P series Model List

＜ R32 type ＞	＜ R410A type ＞
PUZ-ZM35VKA	PUHZ-SHW112VHA(-BS)
PUZ-ZM50VKA	PUHZ-SHW112YHA(-BS)
PUZ-ZM60VHA	PUHZ-SHW140YHA(-BS)
PUZ-ZM71VHA	PUHZ-SHW230YKA2
PUZ-ZM100VKA	
PUZ-ZM100YKA	PUHZ-ZRP35VKA2
PUZ-ZM125VKA	PUHZ-ZRP50VKA2
PUZ-ZM125YKA	PUHZ-ZRP60VHA2
PUZ-ZM140VKA	PUHZ-ZRP71VHA2
PUZ-ZM140YKA	PUHZ-ZRP100VKA3
PUZ-ZM200YKA	PUHZ-ZRP100YKA3
PUZ-ZM250YKA	PUHZ-ZRP125VKA3
	PUHZ-ZRP125YKA3
PUZ-M100VKA	PUHZ-ZRP140VKA3
PUZ-M100YKA	PUHZ-ZRP140YKA3
PUZ-M125VKA	PUHZ-ZRP200YKA3
PUZ-M125YKA	PUHZ-ZRP250YKA3
PUZ-M140VKA	
PUZ-M140YKA	PUHZ-FRP71VHA2
PUZ-M200YKA	
PUZ-M250YKA	PUHZ-P100VKA
	PUHZ-P100YKA
SUZ-SM71VA	PUHZ-P125VKA
	PUHZ-P125YKA
PUZ-SM100VKA	PUHZ-P140VKA
PUZ-SM100YKA	PUHZ-P140YKA
PUZ-SM125VKA	PUHZ-P200YKA3
PUZ-SM125YKA	PUHZ-P250YKA3
PUZ-SM140VKA	
PUZ-SM140YKA	SUZ-SA71VA3
	SUZ-SA100VA2
	PUHZ-SP125VKA
	PUHZ-SP140VKA
	PUHZ-SP100YKA
	PUHZ-SP125YKA
	PUHZ-SP140YKA

P series model Combination Table

Models			Slim Deluxe												Slim Standard													Slim Economy						
Refrigerant			R32																															
Unit		Indoor Unit / Outdoor	PUZ-ZM35VKA	PUZ-ZM50VKA	PUZ-ZM60VHA	PUZ-ZM71VHAR1	PUZ-ZM100VKAR1	PUZ-ZM100YKAR1	PUZ-ZM125VKAR2	PUZ-ZM125YKAR2	PUZ-ZM140VKAR2	PUZ-ZM140YKAR2	PUZ-ZM200YKA	PUZ-ZM250YKA	SUZ-M25VAR2	SUZ-M35VAR2	SUZ-M50VAR2	SUZ-M60VAR2	SUZ-M71VAR1	PUZ-M100VKAR1	PUZ-M100YKAR1	PUZ-M125VKAR1	PUZ-M125YKAR1	PUZ-M140VKAR1	PUZ-M140YKAR1	PUZ-M200YKA	PUZ-M250YKA	SUZ-SM71VA	PUZ-SM100VKA	PUZ-SM100YKA	PUZ-SM125VKA	PUZ-SM125YKA	PUZ-SM140VKA	PUZ-SM140YKA
Ceiling cassette PLA series	PLA-ZM	PLA-ZM35EA	●			×2																												
		PLA-ZM50EA		●			×2	×2			×3	×3	×4																					
		PLA-ZM60EA			●				×2	×2			×3	×4																				
		PLA-ZM71EA				●					×2	×2		×3																				
		PLA-ZM100EA					●	●					×2																					
		PLA-ZM125EA							●	●				×2																				
		PLA-ZM140EA									●	●																						
	PLA-M	PLA-M35EA	●			×2										●																		
		PLA-M50EA		●			×2	×2			×3	×3	×4				●			×2	×2			×3	×3	×4								
		PLA-M60EA			●				×2	×2			×3	×4				●				×2	×2			×3	×4							
		PLA-M71EA				●					×2	×2		×3					●					×2	×2		×3							
		PLA-M100EA					●	●					×2							●	●					×2								
		PLA-M125EA							●	●				×2								●	●				×2							
		PLA-M140EA									●	●												●	●									
	PLA-SM	PLA-SM71EA																										●					×2	×2
		PLA-SM100EA																											●	●				
		PLA-SM125EA																													●	●		
		PLA-SM140EA																															●	●
Wall – mounted	PKA-M	PKA-M35LA(L)	●			×2																												
		PKA-M50LA(L)		●			×2	×2			×3	×3	×4							×2	×2			×3	×3	×4								
		PKA-M60KA(L)			●				×2	×2			×3	×4								×2	×2			×3	×4							
		PKA-M71KA(L)				●					×2	×2		×3										×2	×2		×3							
		PKA-M100KA(L)					●	●					×2							●	●					×2								
Ceiling – suspended PCA series	PCA-M	PCA-M35KA	●			×2										●																		
		PCA-M50KA		●			×2	×2			×3	×3	×4				●			×2	×2			×3	×3	×4								
		PCA-M60KA			●				×2	×2			×3	×4				●				×2	×2			×3	×4							
		PCA-M71KA				●					×2	×2		×3					●					×2	×2		×3							
		PCA-M100KA					●	●					×2							●	●					×2								
		PCA-M125KA							●	●				×2								●	●				×2							
		PCA-M140KA									●	●												●	●									
		PCA-M71HA				●					×2	×2		×3																				
Floor standing PSA	PSA-RP	PSA-RP71KA																																
		PSA-RP100KA																																
		PSA-RP125KA																																
		PSA-RP140KA																																
Ceiling-concealed PEAD/PEA series	PEAD-M	PEAD-M35JA(L)	●			×2										●																		
		PEAD-M50JA(L)		●			×2	×2			×3	×3	×4				●			×2	×2			×3	×3	×4								
		PEAD-M60JA(L)			●				×2	×2			×3	×4				●				×2	×2			×3	×4							
		PEAD-M71JA(L)				●					×2	×2		×3					●					×2	×2		×3							
		PEAD-M100JA(L)					●	●					×2							●	●					×2								
		PEAD-M125JA(L)							●	●				×2								●	●				×2							
		PEAD-M140JA(L)									●	●												●	●									
	PEAD-SM	PEAD-SM71JA(L)																										●					×2	×2
		PEAD-SM100JA(L)																											●	●				
		PEAD-SM125JA(L)																													●	●		
		PEAD-SM140JA(L)																															●	●
	PEA-M	PEA-M200LA											●													●								
		PEA-M250LA												●													●							

Models			ZUBADAN				Slim Deluxe											
Refrigerant			R410A															
Unit		Indoor Unit / Outdoor	PUHZ-SHW112VHA	PUHZ-SHW112YHA	PUHZ-SHW140YHA	PUHZ-SHW230YKA2	PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3	PUHZ-ZRP125VKA3	PUHZ-ZRP125YKA3	PUHZ-ZRP140VKA3	PUHZ-ZRP140YKA3	PUHZ-ZRP200YKA2	PUHZ-ZRP250YKA2
Ceiling cassette PLA series	PLA-ZM	PLA-ZM35EA					●			×2								
		PLA-ZM50EA	×2	×2		×4		●			×2	×2			×3	×3	×4	
		PLA-ZM60EA			×2				●				×2	×2			×3	×4
		PLA-ZM71EA								●					×2	×2		×3
		PLA-ZM100EA	●	●		×2					●	●					×2	
		PLA-ZM125EA			●								●	●				×2
		PLA-ZM140EA													●	●		
	PLA-M	PLA-M35EA					●			×2								
		PLA-M50EA	×2	×2				●			×2	×2			×3	×3	×4	
		PLA-M60EA			×2				●				×2	×2			×3	×4
		PLA-M71EA								●					×2	×2		×3
		PLA-M100EA	●	●							●	●					×2	
		PLA-M125EA			●								●	●				×2
		PLA-M140EA													●	●		
	PLA-SM	PLA-SM71EA																
		PLA-SM100EA																
		PLA-SM125EA																
		PLA-SM140EA																
Wall – mounted	PKA-M	PKA-M35LA(L)					●			×2								
		PKA-M50LA(L)						●			×2	×2			×3	×3	×4	
		PKA-M60KA(L)							●				×2	×2			×3	×4
		PKA-M71KA(L)								●					×2	×2		×3
		PKA-M100KA(L)	●	●							●	●					×2	
Ceiling – suspended PCA series	PCA-M	PCA-M35KA					●			×2								
		PCA-M50KA						●			×2	×2			×3	×3	×4	
		PCA-M60KA							●				×2	×2			×3	×4
		PCA-M71KA								●					×2	×2		×3
		PCA-M100KA									●	●					×2	
		PCA-M125KA											●	●				×2
		PCA-M140KA													●	●		
		PCA-M71HA								●					×2	×2		×3
Floor standing PSA	PSA-RP	PSA-RP71KA								●					×2	×2		×3
		PSA-RP100KA									●	●					×2	
		PSA-RP125KA											●	●				×2
		PSA-RP140KA													●	●		
Ceiling-concealed PEAD/PEA series	PEAD-M	PEAD-M35JA(L)					●			×2								
		PEAD-M50JA(L)	×2	×2				●			×2	×2			×3	×3	×4	
		PEAD-M60JA(L)			×2				●				×2	×2			×3	×4
		PEAD-M71JA(L)								●					×2	×2		×3
		PEAD-M100JA(L)	●	●							●	●					×2	
		PEAD-M125JA(L)			●								●	●				×2
		PEAD-M140JA(L)													●	●		
	PEAD-SM	PEAD-SM71JA(L)																
		PEAD-SM100JA(L)																
		PEAD-SM125JA(L)																
		PEAD-SM140JA(L)																
	PEA-M	PEA-M200LA															●	
		PEA-M250LA																●

Models			Slim Standard													Slim Economy								Mr SLIM+
Refrigerant			R410A																					
Unit		Indoor Unit / Outdoor	SUZ-KA25VA6	SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6	PUHZ-P100VKA	PUHZ-P100YKA	PUHZ-P125VKA	PUHZ-P125YKA	PUHZ-P140VKA	PUHZ-P140YKA	PUHZ-P200YKA2	PUHZ-P250YKA2	SUZ-SA71VA3	SUZ-SA100VA2	PUHZ-SP100VKA	PUHZ-SP100YKA	PUHZ-SP125VKA	PUHZ-SP125YKA	PUHZ-SP140VKA	PUHZ-SP140YKA	PUHZ-FRP71VHA2
Ceiling cassette PLA series	PLA-ZM	PLA-ZM35EA																						
		PLA-ZM50EA																						
		PLA-ZM60EA																						
		PLA-ZM71EA																						●
		PLA-ZM100EA																						
		PLA-ZM125EA																						
		PLA-ZM140EA																						
	PLA-M	PLA-M35EA		●																				
		PLA-M50EA			●			×2	×2			×3	×3	×4										
		PLA-M60EA				●				×2	×2			×3	×4									
		PLA-M71EA					●					×2	×2		×3									
		PLA-M100EA						●	●					×2										
		PLA-M125EA								●	●				×2									
		PLA-M140EA										●	●											
	PLA-SM	PLA-SM71EA														●						×2	×2	
		PLA-SM100EA															●	●	●					
		PLA-SM125EA																		●	●			
		PLA-SM140EA																				●	●	
Wall – mounted	PKA-M	PKA-M35LA(L)																						
		PKA-M50LA(L)						×2	×2			×3	×3	×4										
		PKA-M60KA(L)								×2	×2			×3	×4									
		PKA-M71KA(L)										×2	×2		×3									●
		PKA-M100KA(L)						●	●					×2										
Ceiling – suspended PCA series	PCA-M	PCA-M35KA		●																				
		PCA-M50KA			●			×2	×2			×3	×3	×4										
		PCA-M60KA				●				×2	×2			×3	×4									
		PCA-M71KA					●					×2	×2		×3									●
		PCA-M100KA						●	●					×2										
		PCA-M125KA								●	●				×2									
		PCA-M140KA										●	●											
		PCA-M71HA																						
Floor standing PSA	PSA-RP	PSA-RP71KA										×2	×2		×3									●
		PSA-RP100KA						●	●					×2										
		PSA-RP125KA								●	●				×2									
		PSA-RP140KA										●	●											
Ceiling-concealed PEAD/PEA series	PEAD-M	PEAD-M35JA(L)		●																				
		PEAD-M50JA(L)			●			×2	×2			×3	×3	×4										
		PEAD-M60JA(L)				●				×2	×2			×3	×4									
		PEAD-M71JA(L)					●					×2	×2		×3									●
		PEAD-M100JA(L)						●	●					×2										
		PEAD-M125JA(L)								●	●				×2									
		PEAD-M140JA(L)										●	●											
	PEAD-SM	PEAD-SM71JA(L)														●						×2	×2	
		PEAD-SM100JA(L)															●	●	●					
		PEAD-SM125JA(L)																		●	●			
		PEAD-SM140JA(L)																				●	●	
	PEA-M	PEA-M200LA												●										
		PEA-M250LA													●									

A.1 CEILING CASSETTE (PLA)

A.1.1 SPECIFICATIONS

A.1.1.1 R32 type

1. Power Inverter SERIES

Model Name	Indoor Unit				PLA-ZM35EA	PLA-ZM50EA	PLA-ZM60EA	PLA-ZM71EA
	Outdoor Unit				PUZ-ZM35VKA	PUZ-ZM50VKA	PUZ-ZM60VHA	PUZ-ZM71VHA
Power Supply				Source	Outdoor power supply			
	Out			V	230	230	230	230
				Phase	Single	Single	Single	Single
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R32	R32	R32	R32
Cooling	Capacity	Rated		kW	3.6	5.0	6.1	7.1
		Max.		kW	4.5	5.6	6.5	8.1
		Min.		kW	1.6	2.3	2.7	3.3
	SHF	Rated			0.97	0.81	0.73	0.82
	Total Input	Rated		kW	0.705	1.106	1.452	1.651
	EER				5.10	4.52	4.20	4.30
	Annual Electricity Consumption			kWh/a	168	230	296	327
	SEER				7.5	7.6	7.2	7.6
		Energy efficiency class			A++	A++	A++	A++
Heating	Capacity	Rated		kW	4.1	6.0	7.0	8.0
		Max.		kW	5.2	7.3	8.2	10.2
		Min.		kW	1.6	2.5	2.8	3.5
	Total Input	Rated		kW	0.820	1.363	1.707	1.818
	COP				5.00	4.40	4.10	4.40
	Annual Electricity Consumption			kWh/a	745	1083	1339	1370
	SCOP				4.7	4.9	4.6	4.8
		Energy efficiency class			A++	A++	A++	A++
Operating Current(max)				A	13.2	13.2	19.2	19.3
Indoor Unit	Input	Rated		kW	0.03	0.03	0.03	0.05
	Operating Current(max)			A	0.21	0.22	0.22	0.34
	Dimensions <Panel>		Height	mm	258<40>	258<40>	258<40>	298<40>
			Width	mm	840<950>	840<950>	840<950>	840<950>
			Depth	mm	840<950>	840<950>	840<950>	840<950>
	Weight <Panel>			kg	21<5>	21<5>	21<5>	24<5>
	Air Volume		Low	m³/min.	11.0	12.0	12.0	17.0
			Mid2	m³/min.	13.0	14.0	14.0	19.0
			Mid	m³/min.	15.0	16.0	16.0	21.0
			Hi	m³/min.	16.0	18.0	18.0	23.0
	External Static Pressure			Pa	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	26	27	27	28
			Mid2	dB(A)	28	29	29	30
			Mid	dB(A)	29	31	31	33
			Hi	dB(A)	31	32	32	36
	Sound Level (PWL)	Cooling			51	54	54	57
Outdoor Unit	Dimensions		Height	mm	630	630	943	943
			Width	mm	809	809	950	950
			Depth	mm	300 (+23)	300 (+23)	330 (+25)	330 (+25)
	Weight			kg	46	46	70	70
	Air Volume	Cooling	Rated	m³/min.	45.0	45.0	55.0	55.0
		Heating	Rated	m³/min.	45.0	45.0	55.0	55.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	44	44	47	47
			Silent	dB(A)	41	41	44	44
		Heating	Rated	dB(A)	46	46	49	49
	Sound Level (PWL)	Cooling			65	65	67	67
	Operating Current(max)			A	13.0	13.0	19.0	19.0
	Breaker Size			A	16	16	25	25
Ext. Piping	Diameter	Liquid		mm	6.35	6.35	9.52	9.52
		Gas		mm	12.7	12.7	15.88	15.88
	Max.Length	Out-In		m	50	50	55	55
	Max. Height	Out-In	Below Indoor	m	30	30	30	30
			Above Indoor	m	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21
			Lower Limit.	°C	-11	-11	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PLA-ZM100EA	PLA-ZM100EA
	Outdoor Unit				PUZ-ZM100VKA	PUZ-ZM100YKA
Power Supply				Source	Outdoor power supply	
	Out			V	230	400
				Phase	Single	3
				Hz	50	50
	In			V	-	-
				Phase	-	-
				Hz	-	-
Refrigerant					R32	R32
Cooling	Capacity	Rated		kW	9.5	9.5
		Max.		kW	11.4	11.4
		Min.		kW	4.9	4.9
	SHF	Rated			0.73	0.73
	Total Input	Rated		kW	2.065	2.065
	EER				4.60	4.60
	Annual Electricity Consumption			kWh/a	432	443
	SEER				7.7	7.5
		Energy efficiency class			A++	A++
Heating	Capacity	Rated		kW	11.2	11.2
		Max.		kW	14.0	14.0
		Min.		kW	4.5	4.5
	Total Input	Rated		kW	2.604	2.604
	COP				4.30	4.30
	Annual Electricity Consumption			kWh/a	2277	2277
	SCOP				4.8	4.8
		Energy efficiency class			A++	A++
Operating Current(max)				A	27.0	8.5
Indoor Unit	Input	Rated		kW	0.07	0.07
	Operating Current(max)			A	0.47	0.47
	Dimensions <Panel>		Height	mm	298<40>	298<40>
			Width	mm	840<950>	840<950>
			Depth	mm	840<950>	840<950>
	Weight <Panel>			kg	26<5>	26<5>
	Air Volume		Low	m³/min.	19.0	19.0
			Mid2	m³/min.	22.0	22.0
			Mid	m³/min.	25.0	25.0
			Hi	m³/min.	28.0	28.0
	External Static Pressure			Pa	-	-
	Sound Level (SPL)		Low	dB(A)	31	31
			Mid2	dB(A)	34	34
			Mid	dB(A)	37	37
			Hi	dB(A)	40	40
	Sound Level (PWL)	Cooling			61	61
Outdoor Unit	Dimensions		Height	mm	1338	1338
			Width	mm	1050	1050
			Depth	mm	330 (+40)	330 (+40)
	Weight			kg	116	123
	Air Volume	Cooling	Rated	m³/min.	110.0	110.0
		Heating	Rated	m³/min.	110.0	110.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	49	49
			Silent	dB(A)	46	46
		Heating	Rated	dB(A)	51	51
	Sound Level (PWL)	Cooling			69	69
	Operating Current(max)			A	26.5	8.0
	Breaker Size			A	32	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52
		Gas		mm	15.88	15.88
	Max. Length	Out-In		m	100	100
	Max. Height	Out-In	Below Indoor	m	30	30
			Above Indoor	m	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46
			Lower Limit.	°C	-15*	-15*
		Heating	Upper Limit.	°C	21	21
			Lower Limit.	°C	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PLA-ZM125EA	PLA-ZM125EA	PLA-ZM140EA	PLA-ZM140EA
	Outdoor Unit				PUZ-ZM125VKA	PUZ-ZM125YKA	PUZ-ZM140VKA	PUZ-ZM140YKA
Power Supply				Source	Outdoor power supply			
	Out			V	230	400	230	400
				Phase	Single	3	Single	3
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R32	R32	R32	R32
Cooling	Capacity	Rated		kW	12.5	12.5	13.4	13.4
		Max.		kW	14.0	14.0	15.0	15.0
		Min.		kW	5.5	5.5	6.2	6.2
	SHF	Rated			0.64	0.64	0.67	0.67
	Total Input	Rated		kW	3.378	3.378	3.722	3.722
	EER				3.70	3.70	3.60	3.60
	Annual Electricity Consumption			kWh/a	-	-	-	-
	SEER				-	-	-	-
		Energy efficiency class			-	-	-	-
Heating	Capacity	Rated		kW	14.0	14.0	16.0	16.0
		Max.		kW	16.0	16.0	18.0	18.0
		Min.		kW	5.0	5.0	5.7	5.7
	Total Input	Rated		kW	3.674	3.674	4.312	4.312
	COP				3.81	3.81	3.71	3.71
	Annual Electricity Consumption			kWh/a	-	-	-	-
	SCOP				-	-	-	-
		Energy efficiency class			-	-	-	-
Operating Current(max)				A	27.0	10.0	28.7	13.7
Indoor Unit	Input	Rated		kW	0.08	0.08	0.10	0.10
	Operating Current(max)			A	0.52	0.52	0.66	0.66
	Dimensions <Panel>		Height	mm	298<40>	298<40>	298<40>	298<40>
			Width	mm	840<950>	840<950>	840<950>	840<950>
			Depth	mm	840<950>	840<950>	840<950>	840<950>
	Weight <Panel>			kg	26<5>	26<5>	26<5>	26<5>
	Air Volume		Low	m³/min.	21.0	21.0	24.0	24.0
			Mid2	m³/min.	24.0	24.0	26.0	26.0
			Mid	m³/min.	26.0	26.0	29.0	29.0
			Hi	m³/min.	29.0	29.0	32.0	32.0
	External Static Pressure			Pa	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	33	33	36	36
			Mid2	dB(A)	36	36	39	39
			Mid	dB(A)	39	39	42	42
			Hi	dB(A)	41	41	44	44
	Sound Level (PWL)	Cooling			62	62	65	65
Outdoor Unit	Dimensions		Height	mm	1338	1338	1338	1338
			Width	mm	1050	1050	1050	1050
			Depth	mm	330 (+40)	330 (+40)	330 (+40)	330 (+40)
	Weight			kg	116	125	118	131
	Air Volume	Cooling	Rated	m³/min.	120.0	120.0	120.0	120.0
		Heating	Rated	m³/min.	120.0	120.0	120.0	120.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	50	50	50	50
			Silent	dB(A)	47	47	47	47
		Heating	Rated	dB(A)	52	52	52	52
	Sound Level (PWL)	Cooling			70	70	70	70
	Operating Current(max)			A	26.5	9.5	28.0	13.0
	Breaker Size			A	32	16	40	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88	15.88
	Max. Length	Out-In		m	100	100	100	100
	Max. Height	Out-In	Below Indoor	m	30	30	30	30
			Above Indoor	m	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21
			Lower Limit.	°C	-20	-20	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

2.Standard Inverter SERIES

Model Name	Indoor Unit				PLA-M35EA	PLA-M50EA	PLA-M60EA	PLA-M71EA
	Outdoor Unit				SUZ-M35VA	SUZ-M50VA	SUZ-M60VA	SUZ-M71VA
Power Supply				Source	Outdoor power supply			
	Out			V	230	230	230	230
				Phase	Single	Single	Single	Single
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R32	R32	R32	R32
Cooling	Capacity	Rated		kW	3.6	5.5	6.1	7.1
		Max.		kW	3.9	5.6	6.3	8.1
		Min.		kW	0.8	1.2	1.6	2.2
	SHF	Rated			0.91	0.77	0.79	0.74
	Total Input	Rated		kW	0.90	1.61	1.84	1.91
	EER				4.00	3.40	3.30	3.70
	Annual Electricity Consumption			kWh/a	170	285	320	331
	SEER				7.4	6.7	6.6	7.5
		Energy efficiency class			A^{++}	A^{++}	A^{++}	A^{++}
Heating	Capacity	Rated		kW	4.1	6.0	7.0	8.0
		Max.		kW	5.0	7.2	8.0	10.2
		Min.		kW	1.0	1.5	1.6	2.0
	Total Input	Rated		kW	0.97	1.73	1.84	2.21
	COP				4.2	3.46	3.80	3.61
	Annual Electricity Consumption			kWh/a	774	1456	1458	1796
	SCOP				4.7	4.1	4.4	4.5
		Energy efficiency class			A^{++}	A^{+}	A^{+}	A^{+}
Operating Current(max)				A	8.7	13.7	15.0	15.1
Indoor Unit	Input	Rated		kW	0.03	0.03	0.03	0.04
	Operating Current(max)			A	0.20	0.22	0.24	0.27
	Dimensions <Panel>		Height	mm	258<40>	258<40>	258<40>	258<40>
			Width	mm	840<950>	840<950>	840<950>	840<950>
			Depth	mm	840<950>	840<950>	840<950>	840<950>
	Weight <Panel>			kg	19<5>	19<5>	21<5>	21<5>
	Air Volume		Low	m^3/min.	11.0	12.0	12.0	14.0
			Mid2	m^3/min.	13.0	14.0	14.0	17.0
			Mid	m^3/min.	15.0	16.0	16.0	19.0
			Hi	m^3/min.	16.0	18.0	18.0	21.0
	External Static Pressure			Pa	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	26	27	27	28
			Mid2	dB(A)	28	29	29	30
			Mid	dB(A)	29	31	31	32
			Hi	dB(A)	31	32	32	34
	Sound Level (PWL)	Cooling			51	54	54	56
Outdoor Unit	Dimensions		Height	mm	550	714	880	880
			Width	mm	800	800	840	840
			Depth	mm	285	285	330	330
	Weight			kg	35	41	54	55
	Air Volume	Cooling	Rated	m^3/min.	34.3	45.8	50.1	50.1
		Heating	Rated	m^3/min.	32.7	43.7	50.1	50.1
	Sound Level (SPL)	Cooling	Rated	dB(A)	48	48	49	49
			Silent	dB(A)	-	-	-	-
		Heating	Rated	dB(A)	48	49	51	51
	Sound Level (PWL)	Cooling			59	64	65	66
	Operating Current(max)			A	8.5	13.5	14.8	14.8
	Breaker Size			A	10	20	20	20
Ext. Piping	Diameter	Liquid		mm	6.35	6.35	6.35	9.52
		Gas		mm	9.52	12.7	15.88	15.88
	Max. Length	Out-In		m	20	30	30	30
	Max. Height	Out-In	Below Indoor	m	12	30	30	30
			Above Indoor	m	12	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-10	-15	-15	-15
		Heating	Upper Limit.	°C	24	24	24	24
			Lower Limit.	°C	-10	-10	-10	-10

Model Name	Indoor Unit				PLA-M100EA	PLA-M100EA
	Outdoor Unit				PUZ-M100VKA	PUZ-M100YKA
Power Supply				Source	Outdoor power supply	
	Out			V	230	400
				Phase	Single	3
				Hz	50	50
	In			V	-	-
				Phase	-	-
				Hz	-	-
Refrigerant					R32	R32
Cooling	Capacity	Rated		kW	9.5	9.5
		Max.		kW	10.6	10.6
		Min.		kW	4.0	4.0
	SHF	Rated			0.77	0.77
	Total Input	Rated		kW	2.71	2.71
	EER				3.50	3.50
	Annual Electricity Consumption			kWh/a	474	474
	SEER				7.0	7.0
		Energy efficiency class			A^{++}	A^{++}
Heating	Capacity	Rated		kW	11.2	11.2
		Max.		kW	12.5	12.5
		Min.		kW	2.8	2.8
	Total Input	Rated		kW	3.01	3.01
	COP				3.71	3.71
	Annual Electricity Consumption			kWh/a	2428	2428
	SCOP				4.6	4.6
		Energy efficiency class			A^{++}	A^{++}
Operating Current(max)				A	20.5	12.0
Indoor Unit	Input	Rated		kW	0.07	0.07
	Operating Current(max)			A	0.46	0.46
	Dimensions <Panel>		Height	mm	298<40>	298<40>
			Width	mm	840<950>	840<950>
			Depth	mm	840<950>	840<950>
	Weight <Panel>			kg	24<5>	24<5>
	Air Volume		Low	m^3/min.	19.0	19.0
			Mid2	m^3/min.	23.0	23.0
			Mid	m^3/min.	26.0	26.0
			Hi	m^3/min.	29.0	29.0
	External Static Pressure			Pa	-	-
	Sound Level (SPL)		Low	dB(A)	31	31
			Mid2	dB(A)	34	34
			Mid	dB(A)	37	37
			Hi	dB(A)	40	40
	Sound Level (PWL)	Cooling			61	61
Outdoor Unit	Dimensions		Height	mm	981	981
			Width	mm	1050	1050
			Depth	mm	330 (+40)	330 (+40)
	Weight			kg	76	78
	Air Volume	Cooling	Rated	m^3/min.	79	79
		Heating	Rated	m^3/min.	79	79
	Sound Level (SPL)	Cooling	Rated	dB(A)	51	51
			Silent	dB(A)	46	46
		Heating	Rated	dB(A)	54	54
	Sound Level (PWL)	Cooling			70	70
	Operating Current(max)			A	20	11.5
	Breaker Size			A	32	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52
		Gas		mm	15.88	15.88
	Max. Length	Out-In		m	55	55
	Max. Height	Out-In	Below Indoor	m	30	30
			Above Indoor	m	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46
			Lower Limit.	°C	-15*	-15*
		Heating	Upper Limit.	°C	21	21
			Lower Limit.	°C	-15	-15

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PLA-M125EA	PLA-M125EA	PLA-M140EA	PLA-M140EA
	Outdoor Unit				PUZ-M125VKA	PUZ-M125YKA	PUZ-M140VKA	PUZ-M140YKA
Power Supply				Source	Outdoor power supply			
	Out			V	230	400	230	400
				Phase	Single	3	Single	3
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R32	R32	R32	R32
Cooling	Capacity	Rated		kW	12.1	12.1	13.4	13.4
		Max.		kW	13.0	13.0	14.1	14.1
		Min.		kW	5.8	5.8	5.8	5.8
	SHF	Rated			0.72	0.72	0.70	0.70
	Total Input	Rated		kW	4.01	4.01	4.96	4.96
	EER				3.01	3.01	2.70	2.70
	Annual Electricity Consumption			kWh/a	-	-	-	-
	SEER				-	-	-	-
		Energy efficiency class			-	-	-	-
Heating	Capacity	Rated		kW	13.5	13.5	15.0	15.0
		Max.		kW	15.0	15.0	15.8	15.8
		Min.		kW	4.1	4.1	4.2	4.2
	Total Input	Rated		kW	3.63	3.63	4.39	4.39
	COP				3.71	3.71	3.41	3.41
	Annual Electricity Consumption			kWh/a	-	-	-	-
	SCOP				-	-	-	-
		Energy efficiency class			-	-	-	-
Operating Current(max)				A	27.2	12.2	30.7	12.2
Indoor Unit	Input	Rated		kW	0.10	0.10	0.10	0.10
	Operating Current(max)			A	0.66	0.66	0.66	0.66
	Dimensions <Panel>		Height	mm	298<40>	298<40>	298<40>	298<40>
			Width	mm	840<950>	840<950>	840<950>	840<950>
			Depth	mm	840<950>	840<950>	840<950>	840<950>
	Weight <Panel>			kg	26<5>	26<5>	26<5>	26<5>
	Air Volume		Low	m³/min.	21.0	21.0	24.0	24.0
			Mid2	m³/min.	25.0	25.0	26.0	26.0
			Mid	m³/min.	28.0	28.0	29.0	29.0
			Hi	m³/min.	31.0	31.0	32.0	32.0
	External Static Pressure			Pa	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	33	33	36	36
			Mid2	dB(A)	37	37	39	39
			Mid	dB(A)	41	41	42	42
			Hi	dB(A)	44	44	44	44
	Sound Level (PWL)	Cooling			65	65	65	65
Outdoor Unit	Dimensions		Height	mm	981	981	981	981
			Width	mm	1050	1050	1050	1050
			Depth	mm	330 (+40)	330 (+40)	330 (+40)	330 (+40)
	Weight			kg	84	85	84	85
	Air Volume	Cooling	Rated	m³/min.	86	86	86	86
		Heating	Rated	m³/min.	92	92	92	92
	Sound Level (SPL)	Cooling	Rated	dB(A)	54	54	55	55
			Silent	dB(A)	47	47	47	47
		Heating	Rated	dB(A)	56	56	57	57
	Sound Level (PWL)	Cooling			72	72	73	73
	Operating Current(max)			A	26.5	11.5	30	11.5
	Breaker Size			A	32	16	40	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88	15.88
	Max. Length	Out-In		m	65	65	65	65
	Max. Height	Out-In	Below Indoor	m	30	30	30	30
			Above Indoor	m	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21
			Lower Limit.	°C	-15	-15	-15	-15

* Optional air protection guide is required where ambient temperature is lower than -5°C.

3.Eco Inverter SERIES

Model Name	Indoor Unit				PLA-SM71EA
	Outdoor Unit				SUZ-SM71VA
Power Supply				Source	Outdoor power supply
	Out			V	230
				Phase	Single
				Hz	50
	In			V	-
				Phase	-
				Hz	-
Refrigerant					R32
Cooling	Capacity	Rated		kW	7.1
		Max.		kW	8.1
		Min.		kW	2.2
	SHF	Rated			0.75
	Total Input	Rated		kW	1.97
	EER				3.60
	Annual Electricity Consumption			kWh/a	410
	SEER				6.0
		Energy efficiency class			A^+
Heating	Capacity	Rated		kW	8.0
		Max.		kW	10.2
		Min.		kW	2.0
	Total Input	Rated		kW	2.28
	COP				3.50
	Annual Electricity Consumption			kWh/a	2066
	SCOP				3.9
		Energy efficiency class			A
Operating Current(max)				A	15.1
Indoor Unit	Input	Rated		kW	0.04
	Operating Current(max)			A	0.27
	Dimensions <Panel>		Height	mm	258<40>
			Width	mm	840<950>
			Depth	mm	840<950>
	Weight <Panel>			kg	21<5>
	Air Volume		Low	m^3/min.	14.0
			Mid2	m^3/min.	17.0
			Mid	m^3/min.	19.0
			Hi	m^3/min.	21.0
	External Static Pressure			Pa	-
	Sound Level (SPL)		Low	dB(A)	28
			Mid2	dB(A)	30
			Mid	dB(A)	32
			Hi	dB(A)	34
	Sound Level (PWL)	Cooling			56
Outdoor Unit	Dimensions		Height	mm	880
			Width	mm	840
			Depth	mm	330
	Weight			kg	55
	Air Volume	Cooling	Rated	m^3/min.	50.1
		Heating	Rated	m^3/min.	50.1
	Sound Level (SPL)	Cooling	Rated	dB(A)	49
			Silent	dB(A)	-
		Heating	Rated	dB(A)	51
	Sound Level (PWL)	Cooling			66
	Operating Current(max)			A	14.8
	Breaker Size			A	20
Ext. Piping	Diameter	Liquid		mm	9.52
		Gas		mm	15.88
	Max. Length	Out-In		m	30
	Max. Height	Out-In	Below Indoor	m	30
			Above Indoor	m	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46
			Lower Limit.	°C	-10
		Heating	Upper Limit.	°C	24
			Lower Limit.	°C	-10

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PLA-SM100EA	PLA-SM100EA	PLA-SM125EA	PLA-SM125EA	PLA-SM140EA	PLA-SM140EA
	Outdoor Unit				PUZ-SM100VKA	PUZ-SM100YKA	PUZ-SM125VKA	PUZ-SM125YKA	PUZ-SM140VKA	PUZ-SM140YKA
Power Supply				Source	Outdoor power supply					
	Out			V	230	400	230	400	230	400
				Phase	3	3	Single	3	Single	3
				Hz	50	50	50	50	50	50
	In			V	-	-	-	-	-	-
				Phase	-	-	-	-	-	-
				Hz	-	-	-	-	-	-
Refrigerant					R32	R32	R32	R32	R32	R32
Cooling	Capacity	Rated		kW	9.5	9.5	12.1	12.1	13.4	13.4
		Max.		kW	10.6	10.6	13.0	13.0	14.1	14.1
		Min.		kW	4.0	4.0	5.8	5.8	5.8	5.8
	SHF	Rated			0.77	0.77	0.73	0.73	0.70	0.70
	Total Input	Rated		kW	2.79	2.79	4.17	4.17	5.13	5.13
	EER				3.4	3.4	2.90	2.90	2.61	2.61
	Annual Electricity Consumption			kWh/a	554	554	-	-	-	-
	SEER				6.0	6.0	-	-	-	-
		Energy efficiency class			A^+	A^+	-	-	-	-
Heating	Capacity	Rated		kW	11.2	11.2	13.5	13.5	15.0	15.0
		Max.		kW	12.5	12.5	15.0	15.0	15.8	15.8
		Min.		kW	2.8	2.8	4.1	4.1	4.2	4.2
	Total Input	Rated		kW	3.1	3.1	3.73	3.73	4.54	4.54
	COP				3.61	3.61	3.61	3.61	3.30	3.30
	Annual Electricity Consumption			kWh/a	2482	2482	-	-	-	-
	SCOP				4.5	4.5	-	-	-	-
		Energy efficiency class			A^+	A^+	-	-	-	-
Operating Current(max)				A	20.5	12.0	27.2	12.2	30.7	12.2
Indoor Unit	Input	Rated		kW	0.07	0.07	0.10	0.10	0.10	0.10
	Operating Current(max)			A	0.46	0.46	0.66	0.66	0.66	0.66
	Dimensions <Panel>		Height	mm	298<40>	298<40>	298<40>	298<40>	298<40>	298<40>
			Width	mm	840<950>	840<950>	840<950>	840<950>	840<950>	840<950>
			Depth	mm	840<950>	840<950>	840<950>	840<950>	840<950>	840<950>
	Weight <Panel>			kg	24<5>	24<5>	26<5>	26<5>	26<5>	26<5>
	Air Volume		Low	m^3/min.	19	19	21.0	21.0	24.0	24.0
			Mid2	m^3/min.	23	23	25.0	25.0	26.0	26.0
			Mid	m^3/min.	26	26	28.0	28.0	29.0	29.0
			Hi	m^3/min.	29	29	31.0	31.0	32.0	32.0
	External Static Pressure			Pa	-	-	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	31	31	33	33	36	36
			Mid2	dB(A)	34	34	37	37	39	39
			Mid	dB(A)	37	37	41	41	42	42
			Hi	dB(A)	40	40	44	44	44	44
	Sound Level (PWL)	Cooling			61	61	63	63	70	70
Outdoor Unit	Dimensions		Height	mm	981	981	981	981	981	981
			Width	mm	1050	1050	1050	1050	1050	1050
			Depth	mm	330 (+40)	330 (+40)	330 (+40)	330 (+40)	330 (+40)	330 (+40)
	Weight			kg	76	78	84	85	84	85
	Air Volume	Cooling	Rated	m^3/min.	79	79	86	86	86	86
		Heating	Rated	m^3/min.	79	79	92	92	92	92
	Sound Level (SPL)	Cooling	Rated	dB(A)	51	51	54	54	55	55
			Silent	dB(A)	49	49	52	52	54	54
		Heating	Rated	dB(A)	54	54	56	56	57	57
	Sound Level (PWL)	Cooling			70	70	72	72	73	73
	Operating Current(max)			A	20	11.5	26.5	11.5	30	11.5
	Breaker Size			A	32	16	32	16	40	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88	15.88	15.88	15.88
	Max. Length	Out-In		m	30	30	40	40	40	40
	Max. Height	Out-In	Below Indoor	m	30	30	30	30	30	30
			Above Indoor	m	30	30	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21	21	21
			Lower Limit.	°C	-15	-15	-15	-15	-15	-15

* Optional air protection guide is required where ambient temperature is lower than -5°C.

A.1.1.2 R410A type
1. ZUBADAN SERIES

Model Name	Indoor Unit				PLA-ZM100EA	PLA-ZM100EA	PLA-ZM125EA
	Outdoor Unit				PUHZ-SHW112VHA(-BS)	PUHZ-SHW112YHA(-BS)	PUHZ-SHW140YHA(-BS)
Power Supply				Source	Outdoor power supply		
	Out			V	230	400	400
				Phase	Single	3	3
				Hz	50	50	50
	In			V	-	-	-
				Phase	-	-	-
				Hz	-	-	-
Refrigerant					R410A	R410A	R410A
Cooling	Capacity	Rated		kW	10.0	10.0	12.5
		Max.		kW	11.4	11.4	14.0
		Min.		kW	4.9	4.9	5.5
	SHF	Rated			0.75	0.75	0.67
	Total Input	Rated		kW	2.857	2.857	5.000
	EER				3.50	3.50	2.50
	Annual Electricity Consumption			kWh/a	633	633	856
	SEER				5.5	5.5	-
		Energy efficiency class			A	A	-
Heating	Capacity	Rated		kW	11.2	11.2	14.0
		Max.		kW	14.0	14.0	16.0
		Min.		kW	4.5	4.5	5.0
	Total Input	Rated		kW	2.667	2.667	4.000
	COP				4.20	4.20	3.50
	Annual Electricity Consumption			kWh/a	4420	4420	6213
	SCOP				4.0	4.0	-
		Energy efficiency class			A+	A+	-
Operating Current(max)				A	35.5	13.5	13.5
Indoor Unit	Input	Rated		kW	0.07	0.07	0.08
	Operating Current(max)			A	0.47	0.47	0.52
	Dimensions <Panel>		Height	mm	298<40>	298<40>	298<40>
			Width	mm	840<950>	840<950>	840<950>
			Depth	mm	840<950>	840<950>	840<950>
	Weight <Panel>			kg	26<5>	26<5>	26<5>
	Air Volume		Low	m³/min.	19.0	19.0	21.0
			Mid2	m³/min.	22.0	22.0	24.0
			Mid	m³/min.	25.0	25.0	26.0
			Hi	m³/min.	28.0	28.0	29.0
	External Static Pressure			Pa	-	-	-
	Sound Level (SPL)		Low	dB(A)	31	31	33
			Mid2	dB(A)	34	34	36
			Mid	dB(A)	37	37	39
			Hi	dB(A)	40	40	41
	Sound Level (PWL)	Cooling			61	61	62
Outdoor Unit	Dimensions		Height	mm	1350	1350	1350
			Width	mm	950	950	950
			Depth	mm	330 (+30)	330 (+30)	330 (+30)
	Weight			kg	120	134	134
	Air Volume	Cooling	Rated	m³/min.	100.0	100.0	100.0
		Heating	Rated	m³/min.	100.0	100.0	100.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	51	51	51
			Silent	dB(A)	48	48	48
		Heating	Rated	dB(A)	52	52	52
	Sound Level (PWL)	Cooling			69	69	69
	Operating Current(max)			A	35.0	13.0	13.0
	Breaker Size			A	40	16	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88
	Max. Length	Out-In		m	75	75	75
	Max. Height	Out-In	Below Indoor	m	30	30	30
			Above Indoor	m	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21
			Lower Limit.	°C	-25	-25	-25

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PLA-M100EA	PLA-M100EA	PLA-M125EA
	Outdoor Unit				PUHZ-SHW112VHA(-BS)	PUHZ-SHW112YHA(-BS)	PUHZ-SHW140YHA(-BS)
Power Supply				Source	Outdoor power supply		
	Out			V	230	400	400
				Phase	Single	3	3
				Hz	50	50	50
	In			V	-	-	-
				Phase	-	-	-
				Hz	-	-	-
Refrigerant					R410A	R410A	R410A
Cooling	Capacity	Rated		kW	10.0	10.0	12.5
		Max.		kW	11.4	11.4	14.0
		Min.		kW	4.9	4.9	5.5
	SHF	Rated			0.79	0.79	0.78
	Total Input	Rated		kW	2.940	2.940	5.000
	EER				3.40	3.40	2.50
	Annual Electricity Consumption			kWh/a	661	661	858
	SEER				5.3	5.3	-
		Energy efficiency class			A	A	-
Heating	Capacity	Rated		kW	11.2	11.2	14.0
		Max.		kW	14.0	14.0	16.0
		Min.		kW	4.5	4.5	5.0
	Total Input	Rated		kW	2.793	2.793	4.000
	COP				4.01	4.01	3.50
	Annual Electricity Consumption			kWh/a	4445	4445	6506
	SCOP				4.0	4.0	-
		Energy efficiency class			A+	A+	-
Operating Current(max)				A	35.5	13.5	13.7
Indoor Unit	Input	Rated		kW	0.07	0.07	0.10
	Operating Current(max)			A	0.46	0.46	0.66
	Dimensions <Panel>		Height	mm	298<40>	298<40>	298<40>
			Width	mm	840<950>	840<950>	840<950>
			Depth	mm	840<950>	840<950>	840<950>
	Weight <Panel>			kg	24<5>	24<5>	26<5>
	Air Volume		Low	m³/min.	19.0	19.0	21.0
			Mid2	m³/min.	23.0	23.0	25.0
			Mid	m³/min.	26.0	26.0	28.0
			Hi	m³/min.	29.0	29.0	31.0
	External Static Pressure			Pa	-	-	-
	Sound Level (SPL)		Low	dB(A)	31	31	33
			Mid2	dB(A)	34	34	37
			Mid	dB(A)	37	37	41
			Hi	dB(A)	40	40	44
	Sound Level (PWL)	Cooling			61	61	65
Outdoor Unit	Dimensions		Height	mm	1350	1350	1350
			Width	mm	950	950	950
			Depth	mm	330 (+30)	330 (+30)	330 (+30)
	Weight			kg	120	134	134
	Air Volume	Cooling	Rated	m³/min.	100.0	100.0	100.0
		Heating	Rated	m³/min.	100.0	100.0	100.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	51	51	51
			Silent	dB(A)	48	48	48
		Heating	Rated	dB(A)	52	52	52
	Sound Level (PWL)	Cooling			69	69	69
	Operating Current(max)			A	35.0	13.0	13.0
	Breaker Size			A	40	16	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88
	Max. Length	Out-In		m	75	75	75
	Max. Height	Out-In	Below Indoor	m	30	30	30
			Above Indoor	m	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21
			Lower Limit.	°C	-25	-25	-25

* Optional air protection guide is required where ambient temperature is lower than -5°C.

2. Power Inverter SERIES

Model Name	Indoor Unit				PLA-ZM35EA	PLA-ZM50EA	PLA-ZM60EA	PLA-ZM71EA
	Outdoor Unit				PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2
Power Supply				Source	Outdoor power supply			
	Out			V	230	230	230	230
				Phase	Single	Single	Single	Single
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	3.6	5.0	6.1	7.1
		Max.		kW	4.5	5.6	6.5	8.1
		Min.		kW	1.6	2.3	2.7	3.3
	SHF	Rated			0.92	0.83	0.72	0.81
	Total Input	Rated		kW	0.78	1.33	1.66	1.79
	EER				4.60	3.75	3.66	3.95
	Annual Electricity Consumption			kWh/a	170	253	318	336
	SEER				7.4	6.9	6.7	7.4
		Energy efficiency class			A++	A++	A++	A++
Heating	Capacity	Rated		kW	4.1	6.0	7.0	8.0
		Max.		kW	5.2	7.3	8.2	10.2
		Min.		kW	1.6	2.5	2.8	3.5
	Total Input	Rated		kW	0.85	1.55	1.89	1.90
	COP				4.82	3.85	3.70	4.20
	Annual Electricity Consumption			kWh/a	714	1109	1337	1342
	SCOP				4.9	4.8	4.6	4.9
		Energy efficiency class			A++	A++	A++	A++
Operating Current(max)				A	13.2	13.2	19.2	19.3
Indoor Unit	Input	Rated		kW	0.03	0.03	0.03	0.05
	Operating Current(max)			A	0.21	0.22	0.22	0.34
	Dimensions <Panel>		Height	mm	258<40>	258<40>	258<40>	298<40>
			Width	mm	840<950>	840<950>	840<950>	840<950>
			Depth	mm	840<950>	840<950>	840<950>	840<950>
	Weight <Panel>			kg	21<5>	21<5>	21<5>	24<5>
	Air Volume		Low	m³/min.	11.0	12.0	12.0	17.0
			Mid2	m³/min.	13.0	14.0	14.0	19.0
			Mid	m³/min.	15.0	16.0	16.0	21.0
			Hi	m³/min.	16.0	18.0	18.0	23.0
	External Static Pressure			Pa	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	26	27	27	28
			Mid2	dB(A)	28	29	29	30
			Mid	dB(A)	29	31	31	33
			Hi	dB(A)	31	32	32	36
	Sound Level (PWL)	Cooling			51	54	54	57
Outdoor Unit	Dimensions		Height	mm	630	630	943	943
			Width	mm	809	809	950	950
			Depth	mm	300 (+23)	300 (+23)	330 (+30)	330 (+30)
	Weight			kg	43	46	70	70
	Air Volume	Cooling	Rated	m³/min.	45.0	45.0	55.0	55.0
		Heating	Rated	m³/min.	45.0	45.0	55.0	55.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	44	44	47	47
			Silent	dB(A)	41	41	44	44
		Heating	Rated	dB(A)	46	46	48	48
	Sound Level (PWL)	Cooling			65	65	67	67
	Operating Current(max)			A	13.0	13.0	19.0	19.0
	Breaker Size			A	16	16	25	25
Ext. Piping	Diameter	Liquid		mm	6.35	6.35	9.52	9.52
		Gas		mm	12.7	12.7	15.88	15.88
	Max. Length	Out-In		m	50	50	50	50
	Max. Height	Out-In	Below Indoor	m	30	30	30	30
			Above Indoor	m	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21
			Lower Limit.	°C	-11	-11	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PLA-ZM100EA	PLA-ZM100EA
	Outdoor Unit				PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3
Power Supply				Source	Outdoor power supply	
	Out			V	230	400
				Phase	Single	3
				Hz	50	50
	In			V	-	-
				Phase	-	-
				Hz	-	-
Refrigerant					R410A	R410A
Cooling	Capacity	Rated		kW	9.5	9.5
		Max.		kW	11.4	11.4
		Min.		kW	4.9	4.9
	SHF	Rated			0.75	0.75
	Total Input	Rated		kW	2.20	2.20
	EER				4.30	4.30
	Annual Electricity Consumption			kWh/a	461	472
	SEER				7.2	7.0
		Energy efficiency class			A++	A++
Heating	Capacity	Rated		kW	11.2	11.2
		Max.		kW	14.0	14.0
		Min.		kW	4.5	4.5
	Total Input	Rated		kW	2.60	2.60
	COP				4.30	4.30
	Annual Electricity Consumption			kWh/a	2229	2229
	SCOP				4.9	4.9
		Energy efficiency class			A++	A++
Operating Current(max)				A	27.0	8.5
Indoor Unit	Input	Rated		kW	0.07	0.07
	Operating Current(max)			A	0.47	0.47
	Dimensions <Panel>		Height	mm	298<40>	298<40>
			Width	mm	840<950>	840<950>
			Depth	mm	840<950>	840<950>
	Weight <Panel>			kg	26<5>	26<5>
	Air Volume		Low	m³/min.	19.0	19.0
			Mid2	m³/min.	22.0	22.0
			Mid	m³/min.	25.0	25.0
			Hi	m³/min.	28.0	28.0
	External Static Pressure			Pa	-	-
	Sound Level (SPL)		Low	dB(A)	31	31
			Mid2	dB(A)	34	34
			Mid	dB(A)	37	37
			Hi	dB(A)	40	40
	Sound Level (PWL)	Cooling			61	61
Outdoor Unit	Dimensions		Height	mm	1338	1338
			Width	mm	1050	1050
			Depth	mm	330 (+40)	330 (+40)
	Weight			kg	116	123
	Air Volume	Cooling	Rated	m³/min.	110.0	110.0
		Heating	Rated	m³/min.	110.0	110.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	49	49
			Silent	dB(A)	46	46
		Heating	Rated	dB(A)	51	51
	Sound Level (PWL)	Cooling			69	69
	Operating Current(max)			A	26.5	8.0
	Breaker Size			A	32	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52
		Gas		mm	15.88	15.88
	Max. Length	Out-In		m	75	75
	Max. Height	Out-In	Below Indoor	m	30	30
			Above Indoor	m	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46
			Lower Limit.	°C	-15*	-15*
		Heating	Upper Limit.	°C	21	21
			Lower Limit.	°C	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PLA-ZM125EA	PLA-ZM125EA	PLA-ZM140EA	PLA-ZM140EA
	Outdoor Unit				PUHZ-ZRP125VKA3	PUHZ-ZRP125YKA3	PUHZ-ZRP140VKA3	PUHZ-ZRP140YKA3
Power Supply				Source	Outdoor power supply			
	Out			V	230	400	230	400
				Phase	Single	3	Single	3
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	12.5	12.5	13.4	13.4
		Max.		kW	14.0	14.0	15.0	15.0
		Min.		kW	5.5	5.5	6.2	6.2
	SHF	Rated			0.67	0.67	0.67	0.67
	Total Input	Rated		kW	3.84	3.84	4.36	4.36
	EER				3.25	3.25	3.07	3.07
	Annual Electricity Consumption			kWh/a	-	-	-	-
	SEER				-	-	-	-
		Energy efficiency class			-	-	-	-
Heating	Capacity	Rated		kW	14.0	14.0	16.0	16.0
		Max.		kW	16.0	16.0	18.0	18.0
		Min.		kW	5.0	5.0	5.7	5.7
	Total Input	Rated		kW	3.67	3.67	4.84	4.84
	COP				3.81	3.81	3.30	3.30
	Annual Electricity Consumption			kWh/a	-	-	-	-
	SCOP				-	-	-	-
		Energy efficiency class			-	-	-	-
Operating Current(max)				A	27.0	10.0	28.7	13.7
Indoor Unit	Input	Rated		kW	0.08	0.08	0.10	0.10
	Operating Current(max)			A	0.52	0.52	0.66	0.66
	Dimensions <Panel>		Height	mm	298<40>	298<40>	298<40>	298<40>
			Width	mm	840<950>	840<950>	840<950>	840<950>
			Depth	mm	840<950>	840<950>	840<950>	840<950>
	Weight <Panel>			kg	26<5>	26<5>	26<5>	26<5>
	Air Volume		Low	m³/min.	21.0	21.0	24.0	24.0
			Mid2	m³/min.	24.0	24.0	26.0	26.0
			Mid	m³/min.	26.0	26.0	29.0	29.0
			Hi	m³/min.	29.0	29.0	32.0	32.0
	External Static Pressure			Pa	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	33	33	36	36
			Mid2	dB(A)	36	36	39	39
			Mid	dB(A)	39	39	42	42
			Hi	dB(A)	41	41	44	44
	Sound Level (PWL)	Cooling			62	62	65	65
Outdoor Unit	Dimensions		Height	mm	1338	1338	1338	1338
			Width	mm	1050	1050	1050	1050
			Depth	mm	330 (+40)	330 (+40)	330 (+40)	330 (+40)
	Weight			kg	116	125	118	131
	Air Volume	Cooling	Rated	m³/min.	120.0	120.0	120.0	120.0
		Heating	Rated	m³/min.	120.0	120.0	120.0	120.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	50	50	50	50
			Silent	dB(A)	47	47	47	47
		Heating	Rated	dB(A)	52	52	52	52
	Sound Level (PWL)	Cooling			70	70	70	70
	Operating Current(max)			A	26.5	9.5	28.0	13.0
	Breaker Size			A	32	16	40	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88	15.88
	Max. Length	Out-In		m	75	75	75	75
	Max. Height	Out-In	Below Indoor	m	30	30	30	30
			Above Indoor	m	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21
			Lower Limit.	°C	-20	-20	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PLA-M35EA	PLA-M50EA	PLA-M60EA	PLA-M71EA
	Outdoor Unit				PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2
Power Supply				Source	Outdoor power supply			
	Out			V	230	230	230	230
				Phase	Single	Single	Single	Single
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	3.6	5.0	6.1	7.1
		Max.		kW	4.5	5.6	6.5	8.1
		Min.		kW	1.6	2.3	2.7	3.3
	SHF	Rated			0.84	0.81	0.77	0.73
	Total Input	Rated		kW	0.83	1.42	1.75	1.87
	EER				4.32	3.53	3.49	3.80
	Annual Electricity Consumption			kWh/a	174	258	321	341
	SEER				7.2	6.7	6.6	7.2
		Energy efficiency class			A++	A++	A++	A++
Heating	Capacity	Rated		kW	4.1	6.0	7.0	8.0
		Max.		kW	5.8	7.3	8.2	10.2
		Min.		kW	1.6	2.5	2.8	3.5
	Total Input	Rated		kW	0.92	1.81	2.07	2.11
	COP				4.44	3.32	3.39	3.79
	Annual Electricity Consumption			kWh/a	764	1212	1418	1402
	SCOP				4.5	4.3	4.3	4.6
		Energy efficiency class			A+	A+	A+	A++
Operating Current(max)				A	13.2	13.2	19.2	19.3
Indoor Unit	Input	Rated		kW	0.03	0.03	0.03	0.04
	Operating Current(max)			A	0.20	0.22	0.24	0.27
	Dimensions <Panel>		Height	mm	258<40>	258<40>	258<40>	258<40>
			Width	mm	840<950>	840<950>	840<950>	840<950>
			Depth	mm	840<950>	840<950>	840<950>	840<950>
	Weight <Panel>			kg	19<5>	19<5>	21<5>	21<5>
	Air Volume		Low	m³/min.	11.0	12.0	12.0	14.0
			Mid2	m³/min.	13.0	14.0	14.0	17.0
			Mid	m³/min.	15.0	16.0	16.0	19.0
			Hi	m³/min.	16.0	18.0	18.0	21.0
	External Static Pressure			Pa	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	26	27	27	28
			Mid2	dB(A)	28	29	29	30
			Mid	dB(A)	29	31	31	32
			Hi	dB(A)	31	32	32	34
	Sound Level (PWL)	Cooling			51	54	54	56
Outdoor Unit	Dimensions		Height	mm	630	630	943	943
			Width	mm	809	809	950	950
			Depth	mm	300 (+23)	300 (+23)	330 (+30)	330 (+30)
	Weight			kg	43	46	70	70
	Air Volume	Cooling	Rated	m³/min.	45.0	45.0	55.0	55.0
		Heating	Rated	m³/min.	45.0	45.0	55.0	55.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	44	44	47	47
			Silent	dB(A)	41	41	44	44
		Heating	Rated	dB(A)	46	46	48	48
	Sound Level (PWL)	Cooling			65	65	67	67
	Operating Current(max)			A	13.0	13.0	19.0	19.0
	Breaker Size			A	16	16	25	25
Ext. Piping	Diameter	Liquid		mm	6.35	6.35	9.52	9.52
		Gas		mm	12.7	12.7	15.88	15.88
	Max. Length	Out-In		m	50	50	50	50
	Max. Height	Out-In	Below Indoor	m	30	30	30	30
			Above Indoor	m	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21
			Lower Limit.	°C	-11	-11	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PLA-M100EA	PLA-M100EA
	Outdoor Unit				PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3
Power Supply				Source	Outdoor power supply	
	Out			V	230	400
				Phase	Single	3
				Hz	50	50
	In			V	-	-
				Phase	-	-
				Hz	-	-
Refrigerant					R410A	R410A
Cooling	Capacity	Rated		kW	9.5	9.5
		Max.		kW	11.4	11.4
		Min.		kW	4.9	4.9
	SHF	Rated			0.74	0.74
	Total Input	Rated		kW	2.23	2.23
	EER				4.26	4.26
	Annual Electricity Consumption			kWh/a	465	476
	SEER				7.1	6.9
		Energy efficiency class			A++	A++
Heating	Capacity	Rated		kW	11.2	11.2
		Max.		kW	14.0	14.0
		Min.		kW	4.5	4.5
	Total Input	Rated		kW	2.69	2.69
	COP				4.17	4.17
	Annual Electricity Consumption			kWh/a	2468	2468
	SCOP				4.4	4.4
		Energy efficiency class			A+	A+
Operating Current(max)				A	27.0	8.5
Indoor Unit	Input	Rated		kW	0.07	0.07
	Operating Current(max)			A	0.46	0.46
	Dimensions <Panel>		Height	mm	298<40>	298<40>
			Width	mm	840<950>	840<950>
			Depth	mm	840<950>	840<950>
	Weight <Panel>			kg	24<5>	24<5>
	Air Volume		Low	m³/min.	19.0	19.0
			Mid2	m³/min.	23.0	23.0
			Mid	m³/min.	26.0	26.0
			Hi	m³/min.	29.0	29.0
	External Static Pressure			Pa	-	-
	Sound Level (SPL)		Low	dB(A)	31	31
			Mid2	dB(A)	34	34
			Mid	dB(A)	37	37
			Hi	dB(A)	40	40
	Sound Level (PWL)	Cooling			61	61
Outdoor Unit	Dimensions		Height	mm	1338	1338
			Width	mm	1050	1050
			Depth	mm	330 (+40)	330 (+40)
	Weight			kg	116	123
	Air Volume	Cooling	Rated	m³/min.	110.0	110.0
		Heating	Rated	m³/min.	110.0	110.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	49	49
			Silent	dB(A)	46	46
		Heating	Rated	dB(A)	51	51
	Sound Level (PWL)	Cooling			69	69
	Operating Current(max)			A	26.5	8.0
	Breaker Size			A	32	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52
		Gas		mm	15.88	15.88
	Max. Length	Out-In		m	75	75
	Max. Height	Out-In	Below Indoor	m	30	30
			Above Indoor	m	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46
			Lower Limit.	°C	-15*	-15*
		Heating	Upper Limit.	°C	21	21
			Lower Limit.	°C	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PLA-M125EA	PLA-M125EA	PLA-M140EA	PLA-M140EA
	Outdoor Unit				PUHZ-ZRP125VKA3	PUHZ-ZRP125YKA3	PUHZ-ZRP140VKA3	PUHZ-ZRP140YKA3
Power Supply				Source	Outdoor power supply			
	Out			V	230	400	230	400
				Phase	Single	3	Single	3
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	12.5	12.5	13.4	13.4
		Max.		kW	14.0	14.0	15.0	15.0
		Min.		kW	5.5	5.5	6.2	6.2
	SHF	Rated			0.71	0.71	0.72	0.72
	Total Input	Rated		kW	3.87	3.87	4.39	4.39
	EER				3.23	3.23	3.05	3.05
	Annual Electricity Consumption			kWh/a	-	-	-	-
	SEER				-	-	-	-
		Energy efficiency class			-	-	-	-
Heating	Capacity	Rated		kW	14.0	14.0	16.0	16.0
		Max.		kW	16.0	16.0	18.0	18.0
		Min.		kW	5.0	5.0	5.7	5.7
	Total Input	Rated		kW	3.77	3.77	4.90	4.90
	COP				3.71	3.71	3.26	3.26
	Annual Electricity Consumption			kWh/a	-	-	-	-
	SCOP				-	-	-	-
		Energy efficiency class			-	-	-	-
Operating Current(max)				A	27.2	10.2	28.7	13.7
Indoor Unit	Input	Rated		kW	0.10	0.10	0.10	0.10
	Operating Current(max)			A	0.66	0.66	0.66	0.66
	Dimensions <Panel>		Height	mm	298<40>	298<40>	298<40>	298<40>
			Width	mm	840<950>	840<950>	840<950>	840<950>
			Depth	mm	840<950>	840<950>	840<950>	840<950>
	Weight <Panel>			kg	26<5>	26<5>	26<5>	26<5>
	Air Volume		Low	m³/min.	21.0	21.0	24.0	24.0
			Mid2	m³/min.	25.0	25.0	26.0	26.0
			Mid	m³/min.	28.0	28.0	29.0	29.0
			Hi	m³/min.	31.0	31.0	32.0	32.0
	External Static Pressure			Pa	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	33	33	36	36
			Mid2	dB(A)	37	37	39	39
			Mid	dB(A)	41	41	42	42
			Hi	dB(A)	44	44	44	44
	Sound Level (PWL)	Cooling			65	65	65	65
Outdoor Unit	Dimensions		Height	mm	1338	1338	1338	1338
			Width	mm	1050	1050	1050	1050
			Depth	mm	330 (+40)	330 (+40)	330 (+40)	330 (+40)
	Weight			kg	116	125	118	131
	Air Volume	Cooling	Rated	m³/min.	120.0	120.0	120.0	120.0
		Heating	Rated	m³/min.	120.0	120.0	120.0	120.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	50	50	50	50
			Silent	dB(A)	47	47	47	47
		Heating	Rated	dB(A)	52	52	52	52
	Sound Level (PWL)	Cooling			70	70	70	70
	Operating Current(max)			A	26.5	9.5	28.0	13.0
	Breaker Size			A	32	16	40	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88	15.88
	Max. Length	Out-In		m	75	75	75	75
	Max. Height	Out-In	Below Indoor	m	30	30	30	30
			Above Indoor	m	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21
			Lower Limit.	°C	-20	-20	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

3. Mr.Slim+

Model Name	Indoor Unit				PLA-ZM71EA
	Outdoor Unit				PUHZ-FRP71VHA2
Power Supply				Source	Outdoor power supply
	Out			V	230
				Phase	Single
				Hz	50
	In			V	-
				Phase	-
				Hz	-
Refrigerant					R410A
Cooling	Capacity	Rated		kW	7.1
		Max.		kW	8.1
		Min.		kW	3.3
	SHF	Rated			-
	Total Input	Rated		kW	1.88
	EER				3.77
	Annual Electricity Consumption			kWh/a	376
	SEER				6.6
		Energy efficiency class			A++
Heating	Capacity	Rated		kW	8.0
		Max.		kW	10.2
		Min.		kW	3.5
	Total Input	Rated		kW	2.11
	COP				3.80
	Annual Electricity Consumption			kWh/a	1509
	SCOP				4.3
		Energy efficiency class			A+
Operating Current(max)				A	19.3
Indoor Unit	Input	Rated		kW	0.05
	Operating Current(max)			A	0.34
	Dimensions <Panel>		Height	mm	298<40>
			Width	mm	840<950>
			Depth	mm	840<950>
	Weight <Panel>			kg	24<5>
	Air Volume		Low	m³/min.	17.0
			Mid2	m³/min.	19.0
			Mid	m³/min.	21.0
			Hi	m³/min.	23.0
	External Static Pressure			Pa	-
	Soud Level (SPL)		Low	dB(A)	28
			Mid2	dB(A)	30
			Mid	dB(A)	33
			Hi	dB(A)	36
	Sound Level (PWL)	Cooling			57
Outdoor Unit	Dimensions		Height	mm	943
			Width	mm	950
			Depth	mm	330 (+30)
	Weight			kg	73
	Air Volume	Cooling	Rated	m³/min.	50
		Heating	Rated	m³/min.	50
	Sound Level (SPL)	Cooling	Rated	dB(A)	47
			Silent	dB(A)	-
		Heating	Rated	dB(A)	49
	Sound Level (PWL)	Cooling			67
	Operating Current(max)			A	19.0
	Breaker Size			A	25
Ext. Piping	Diameter	Liquid		mm	9.52
		Gas		mm	15.88
	Max. Length	Out-In		m	60
	Max. Height	Out-In	Below Indoor	m	20
			Above Indoor	m	20
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46
			Lower Limit.	°C	-15*
		Heating	Upper Limit.	°C	21
			Lower Limit.	°C	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

4.Standard Inverter SERIES

Model Name	Indoor Unit				PLA-M35EA	PLA-M50EA	PLA-M60EA	PLA-M71EA
	Outdoor Unit				SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6
Power Supply				Source	Outdoor power supply			
	Out			V	230	230	230	230
				Phase	Single	Single	Single	Single
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	3.6	5.5	5.7	7.1
		Max.		kW	3.9	5.6	6.3	8.1
		Min.		kW	1.4	2.3	2.3	2.8
	SHF	Rated			0.84	0.81	0.76	0.73
	Total Input	Rated		kW	1.02	1.61	1.76	2.10
	EER				3.50	3.40	3.23	3.38
	Annual Electricity Consumption			kWh/a	181	295	307	400
	SEER				6.9	6.5	6.5	6.2
		Energy efficiency class			A++	A++	A++	A++
Heating	Capacity	Rated		kW	4.1	5.8	6.9	8.0
		Max.		kW	5.0	7.2	8.0	10.2
		Min.		kW	1.7	1.7	2.5	2.6
	Total Input	Rated		kW	1.00	1.69	1.97	2.24
	COP				4.10	3.43	3.50	3.56
	Annual Electricity Consumption			kWh/a	826	1505	1498	1888
	SCOP				4.4	4.0	4.3	4.3
		Energy efficiency class			A+	A+	A+	A+
Operating Current(max)				A	8.4	12.2	14.2	16.4
Indoor Unit	Input	Rated		kW	0.03	0.03	0.03	0.04
	Operating Current(max)			A	0.20	0.22	0.24	0.27
	Dimensions <Panel>		Height	mm	258<40>	258<40>	258<40>	258<40>
			Width	mm	840<950>	840<950>	840<950>	840<950>
			Depth	mm	840<950>	840<950>	840<950>	840<950>
	Weight <Panel>			kg	19<5>	19<5>	21<5>	21<5>
	Air Volume		Low	m^3/min.	11.0	12.0	12.0	14.0
			Mid2	m^3/min.	13.0	14.0	14.0	17.0
			Mid	m^3/min.	15.0	16.0	16.0	19.0
			Hi	m^3/min.	16.0	18.0	18.0	21.0
	External Static Pressure			Pa	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	26	27	27	28
			Mid2	dB(A)	28	29	29	30
			Mid	dB(A)	29	31	31	32
			Hi	dB(A)	31	32	32	34
	Sound Level (PWL)	Cooling			51	54	54	56
Outdoor Unit	Dimensions		Height	mm	550	880	880	880
			Width	mm	800	840	840	840
			Depth	mm	285	330	330	330
	Weight			kg	35	54	50	53
	Air Volume	Cooling	Rated	m^3/min.	36.3	44.6	40.9	50.1
		Heating	Rated	m^3/min.	34.8	44.6	49.2	48.2
	Sound Level (SPL)	Cooling	Rated	dB(A)	49	52	55	55
			Silent	dB(A)	-	-	-	-
		Heating	Rated	dB(A)	50	52	55	55
	Sound Level (PWL)	Cooling			62	65	65	69
	Operating Current(max)			A	8.2	12.0	14.0	16.1
	Breaker Size			A	10	20	20	20
Ext. Piping	Diameter	Liquid		mm	6.35	6.35	6.35	9.52
		Gas		mm	9.52	12.7	15.88	15.88
	Max. Length	Out-In		m	20	30	30	30
	Max. Height	Out-In	Below Indoor	m	12	30	30	30
			Above Indoor	m	12	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-10	-15	-15	-15
		Heating	Upper Limit.	°C	24	24	24	24
			Lower Limit.	°C	-10	-10	-10	-10

Model Name	Indoor Unit				PLA-M100EA	PLA-M125EA	PLA-M140EA
	Outdoor Unit				PUHZ-P100VKA	PUHZ-P125VKA	PUHZ-P140VKA
Power Supply				Source	Outdoor power supply		
	Out			V	230	230	230
				Phase	Single	Single	Single
				Hz	50	50	50
	In			V	-	-	-
				Phase	-	-	-
				Hz	-	-	-
Refrigerant					R410A	R410A	R410A
Cooling	Capacity	Rated		kW	9.4	12.1	13.6
		Max.		kW	10.6	13.0	14.1
		Min.		kW	3.7	5.6	5.8
	SHF	Rated			0.77	0.73	0.70
	Total Input	Rated		kW	3.18	4.10	5.41
	EER				2.95	2.95	2.51
	Annual Electricity Consumption			kWh/a	538	-	-
	SEER				6.1	-	-
		Energy efficiency class			A++	-	-
Heating	Capacity	Rated		kW	11.2	13.5	15.0
		Max.		kW	12.5	15.0	15.8
		Min.		kW	2.8	4.8	4.9
	Total Input	Rated		kW	3.26	3.84	4.67
	COP				3.43	3.51	3.21
	Annual Electricity Consumption			kWh/a	2432	-	-
	SCOP				4.6	-	-
		Energy efficiency class			A++	-	-
Operating Current(max)				A	20.5	27.2	30.7
Indoor Unit	Input	Rated		kW	0.07	0.10	0.10
	Operating Current(max)			A	0.46	0.66	0.66
	Dimensions <Panel>		Height	mm	298<40>	298<40>	298<40>
			Width	mm	840<950>	840<950>	840<950>
			Depth	mm	840<950>	840<950>	840<950>
	Weight <Panel>			kg	24<5>	26<5>	26<5>
	Air Volume		Low	m³/min.	19.0	21.0	24.0
			Mid2	m³/min.	23.0	25.0	26.0
			Mid	m³/min.	26.0	28.0	29.0
			Hi	m³/min.	29.0	31.0	32.0
	External Static Pressure			Pa	-	-	-
	Sound Level (SPL)		Low	dB(A)	31	33	36
			Mid2	dB(A)	34	37	39
			Mid	dB(A)	37	41	42
			Hi	dB(A)	40	44	44
	Sound Level (PWL)	Cooling			61	65	65
Outdoor Unit	Dimensions		Height	mm	981	981	981
			Width	mm	1050	1050	1050
			Depth	mm	330(+40)	330(+40)	330(+40)
	Weight			kg	76	84	84
	Air Volume	Cooling	Rated	m³/min.	79	86	86
		Heating	Rated	m³/min.	79	92	92
	Sound Level (SPL)	Cooling	Rated	dB(A)	51	54	56
			Silent	dB(A)	49	52	54
		Heating	Rated	dB(A)	54	56	57
	Sound Level (PWL)	Cooling			70	72	75
	Operating Current(max)			A	20	26.5	30
	Breaker Size			A	32	32	40
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88
	Max. Length	Out-In		m	50	50	50
	Max. Height	Out-In	Below Indoor	m	30	30	30
			Above Indoor	m	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21
			Lower Limit.	°C	-15	-15	-15

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PLA-M100EA	PLA-M125EA	PLA-M140EA
	Outdoor Unit				PUHZ-P100YKA	PUHZ-P125YKA	PUHZ-P140YKA
Power Supply				Source	Outdoor power supply		
	Out			V	400	400	400
				Phase	3	3	3
				Hz	50	50	50
	In			V	-	-	-
				Phase	-	-	-
				Hz	-	-	-
Refrigerant					R410A	R410A	R410A
Cooling	Capacity	Rated		kW	9.4	12.1	13.6
		Max.		kW	10.6	13.0	14.1
		Min.		kW	3.7	5.6	5.8
	SHF	Rated			0.77	0.73	0.70
	Total Input	Rated		kW	3.18	4.10	5.41
	EER				2.95	2.95	2.51
	Annual Electricity Consumption			kWh/a	538	-	-
	SEER				6.1	-	-
		Energy efficiency class			A++	-	-
Heating	Capacity	Rated		kW	11.2	13.5	15.0
		Max.		kW	12.5	15.0	15.8
		Min.		kW	2.8	4.8	4.9
	Total Input	Rated		kW	3.26	3.84	4.67
	COP				3.43	3.51	3.21
	Annual Electricity Consumption			kWh/a	2432	-	-
	SCOP				4.6	-	-
		Energy efficiency class			A++	-	-
Operating Current(max)				A	12.0	12.2	12.2
Indoor Unit	Input	Rated		kW	0.07	0.10	0.10
	Operating Current(max)			A	0.46	0.66	0.66
	Dimensions <Panel>		Height	mm	298<40>	298<40>	298<40>
			Width	mm	840<950>	840<950>	840<950>
			Depth	mm	840<950>	840<950>	840<950>
	Weight <Panel>			kg	24<5>	26<5>	26<5>
	Air Volume		Low	m³/min.	19.0	21.0	24.0
			Mid2	m³/min.	23.0	25.0	26.0
			Mid	m³/min.	26.0	28.0	29.0
			Hi	m³/min.	29.0	31.0	32.0
	External Static Pressure			Pa	-	-	-
	Sound Level (SPL)		Low	dB(A)	31	33	36
			Mid2	dB(A)	34	37	39
			Mid	dB(A)	37	41	42
			Hi	dB(A)	40	44	44
	Sound Level (PWL)	Cooling			61	65	65
Outdoor Unit	Dimensions		Height	mm	981	981	981
			Width	mm	1050	1050	1050
			Depth	mm	330(+40)	330(+40)	330(+40)
	Weight			kg	78	85	85
	Air Volume	Cooling	Rated	m³/min.	79	86	86
		Heating	Rated	m³/min.	79	92	92
	Sound Level (SPL)	Cooling	Rated	dB(A)	51	54	56
			Silent	dB(A)	49	52	54
		Heating	Rated	dB(A)	54	56	57
	Sound Level (PWL)	Cooling			70	72	75
	Operating Current(max)			A	11.5	11.5	11.5
	Breaker Size			A	16	16	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88
	Max. Length	Out-In		m	50	50	50
	Max Height	Out-In	Below Indoor	m	30	30	30
			Above Indoor	m	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21
			Lower Limit.	°C	-15	-15	-15

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PLA-SM71EA	PLA-SM100EA
	Outdoor Unit				SUZ-SA71VA3	SUZ-SA100VA2
Power Supply				Source	Outdoor power supply	
	Out			V	230	230
				Phase	Single	Single
				Hz	50	50
	In			V	-	-
				Phase	-	-
				Hz	-	-
Refrigerant					R410A	R410A
Cooling	Capacity	Rated		kW	7.1	9.4
		Max.		kW	8.1	9.9
		Min.		kW	3.2	5.0
	SHF	Rated			0.77	0.84
	Total Input	Rated		kW	2.218	3.122
	EER				3.20	3.01
	Annual Electricity Consumption			kWh/a	421	576
	SEER				5.9	5.7
		Energy efficiency class			A+	A+
Heating	Capacity	Rated		kW	8.0	11.2
		Max.		kW	8.9	11.5
		Min.		kW	3.5	5.1
	Total Input	Rated		kW	2.49	3.48
	COP				3.21	3.21
	Annual Electricity Consumption			kWh/a	2081	2685
	SCOP				3.9	4.1
		Energy efficiency class			A	A+
Operating Current(max)				A	16.4	16.6
Indoor Unit	Input	Rated		kW	0.04	0.07
	Operating Current(max)			A	0.27	0.46
	Dimensions <Panel>		Height	mm	258<40>	298<40>
			Width	mm	840<950>	840<950>
			Depth	mm	840<950>	840<950>
	Weight <Panel>			kg	21<5>	24<5>
	Air Volume		Low	m³/min.	14.0	19.0
			Mid2	m³/min.	17.0	23.0
			Mid	m³/min.	19.0	26.0
			Hi	m³/min.	21.0	29.0
	External Static Pressure			Pa	-	-
	Sound Level (SPL)		Low	dB(A)	28	31
			Mid2	dB(A)	30	34
			Mid	dB(A)	32	37
			Hi	dB(A)	34	40
	Sound Level (PWL)	Cooling			56	61
Outdoor Unit	Dimensions		Height	mm	880	880
			Width	mm	840	840
			Depth	mm	330	330
	Weight			kg	52	56
	Air Volume	Cooling	Rated	m³/min.	50.1	53.6
		Heating	Rated	m³/min.	48.2	53.7
	Sound Level (SPL)	Cooling	Rated	dB(A)	55	55
			Silent	dB(A)	-	-
		Heating	Rated	dB(A)	55	55
	Sound Level (PWL)	Cooling			69	69
	Operating Current(max)			A	16.1	16.1
	Breaker Size			A	20	20
Ext. Piping	Diameter	Liquid		mm	9.52	9.52
		Gas		mm	15.88	15.88
	Max. Length	Out-In		m	30	30
	Max. Height	Out-In	Below Indoor	m	30	30
			Above Indoor	m	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46
			Lower Limit.	°C	-10	-10
		Heating	Upper Limit.	°C	24	24
			Lower Limit.	°C	-10	-10

* Optional air protection guide is required where ambient temperature is lower than -5°C.

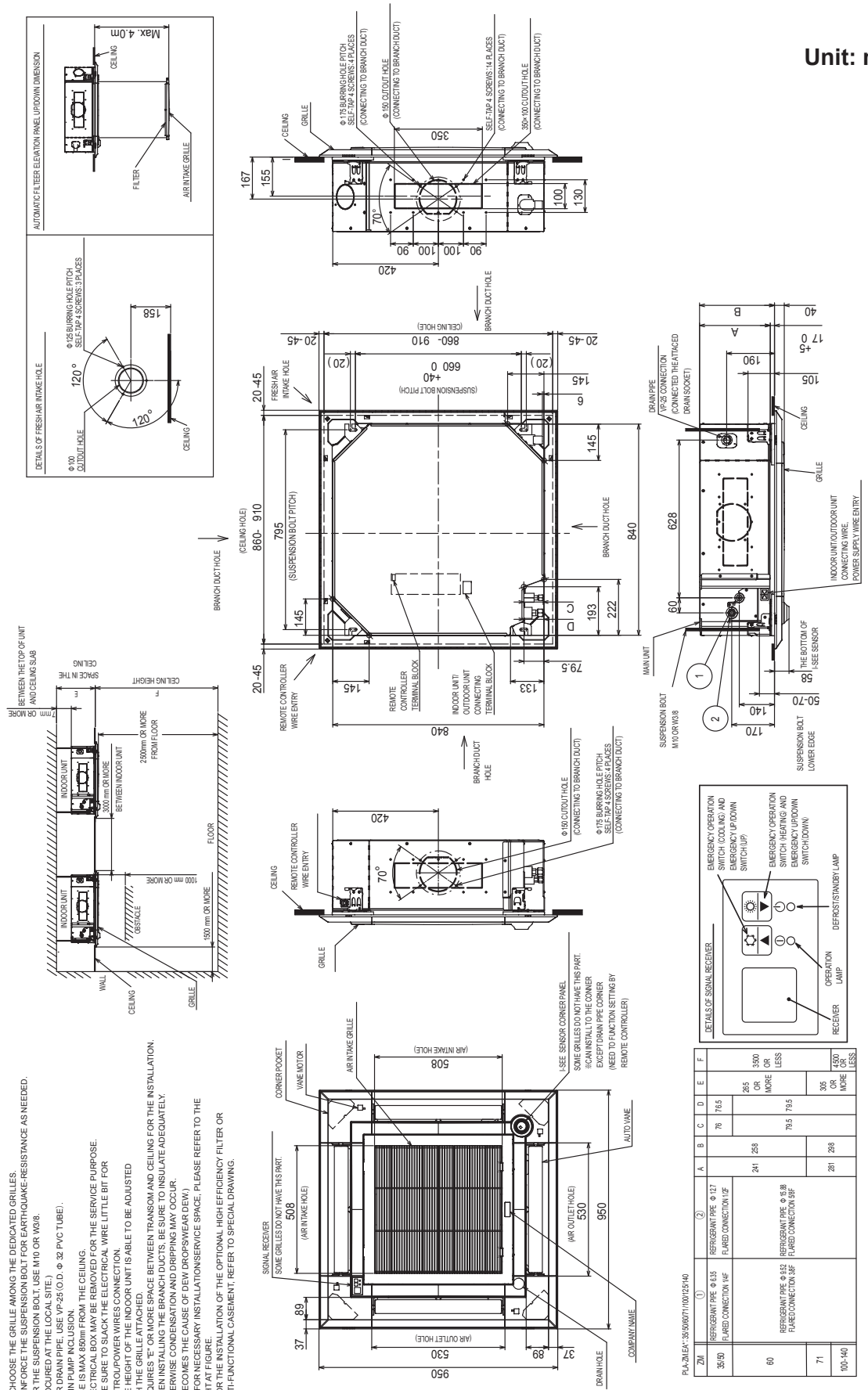
Model Name	Indoor Unit				PLA-SM100EA	PLA-SM125EA	PLA-SM125EA	PLA-SM140EA	PLA-SM140EA
	Outdoor Unit				PUHZ-SP100YKA	PUHZ-SP125VKA	PUHZ-SP125YKA	PUHZ-SP140VKA	PUHZ-SP140YKA
Power Supply				Source	Outdoor power supply				
	Out			V	400	230	400	230	400
				Phase	3	Single	3	Single	3
				Hz	50	50	50	50	50
	In			V	-	-	-	-	-
				Phase	-	-	-	-	-
				Hz	-	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	9.4	12.1	12.1	13.6	13.6
		Max.		kW	10.6	13.0	13.0	14.0	14.0
		Min.		kW	3.7	5.6	5.6	5.8	5.8
	SHF	Rated			0.77	0.73	0.73	0.70	0.70
	Total Input	Rated		kW	3.29	4.24	4.24	5.64	5.64
	EER				2.85	2.85	2.85	2.41	2.41
	Annual Electricity Consumption			kWh/a	576	-	-	-	-
	SEER				5.7	-	-	-	-
		Energy efficiency class			A+	-	-	-	-
Heating	Capacity	Rated		kW	11.2	13.5	13.5	15.0	15.0
		Max.		kW	12.5	15.0	15.0	17.0	17.0
		Min.		kW	2.8	4.8	4.8	5.0	5.0
	Total Input	Rated		kW	3.48	3.95	3.95	4.82	4.82
	COP				3.21	3.41	3.41	3.11	3.11
	Annual Electricity Consumption			kWh/a	2727	-	-	-	-
	SCOP				4.1	-	-	-	-
		Energy efficiency class			A+	-	-	-	-
Operating Current(max)				A	12.0	27.2	12.2	30.7	12.2
Indoor Unit	Input	Rated		kW	0.07	0.10	0.10	0.10	0.10
	Operating Current(max)			A	0.46	0.66	0.66	0.66	0.66
	Dimensions <Panel>		Height	mm	298<40>	298<40>	298<40>	298<40>	298<40>
			Width	mm	840<950>	840<950>	840<950>	840<950>	840<950>
			Depth	mm	840<950>	840<950>	840<950>	840<950>	840<950>
	Weight <Panel>			kg	24<5>	26<5>	26<5>	26<5>	26<5>
	Air Volume		Low	m³/min.	19	21.0	21.0	24.0	24.0
			Mid2	m³/min.	23	25.0	25.0	26.0	26.0
			Mid	m³/min.	26	28.0	28.0	29.0	29.0
			Hi	m³/min.	29	31.0	31.0	32.0	32.0
	External Static Pressure			Pa	-	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	31	33	33	36	36
			Mid2	dB(A)	34	37	37	39	39
			Mid	dB(A)	37	41	41	42	42
			Hi	dB(A)	40	44	44	44	44
	Sound Level (PWL)	Cooling			61	63	63	70	70
Outdoor Unit	Dimensions		Height	mm	981	981	981	981	981
			Width	mm	1050	1050	1050	1050	1050
			Depth	mm	330 (+40)	330 (+40)	330 (+40)	330 (+40)	330 (+40)
	Weight			kg	78	85	85	84	85
	Air Volume	Cooling	Rated	m³/min.	79	86	86	86	86
		Heating	Rated	m³/min.	79	86	86	86	86
	Sound Level (SPL)	Cooling	Rated	dB(A)	51	54	54	56	56
			Silent	dB(A)	49	52	52	54	54
		Heating	Rated	dB(A)	54	56	56	57	57
	Sound Level (PWL)	Cooling			70	72	72	75	75
	Operating Current(max)			A	11.5	26.5	11.5	30	11.5
	Breaker Size			A	16	32	16	40	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88	15.88	15.88
	Max. Length	Out-In		m	30	40	40	40	40
	Max. Height	Out-In	Below Indoor	m	30	30	30	30	30
			Above Indoor	m	30	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21	21
			Lower Limit.	°C	-15	-15	-15	-15	-15

* Optional air protection guide is required where ambient temperature is lower than -5°C.

A.1.2 OUTLINE DIMENSIONS

PLA-ZM35EA PLA-ZM100EA
PLA-ZM50EA PLA-ZM125EA
PLA-ZM60EA PLA-ZM140EA
PLA-ZM71EA

Unit: mm



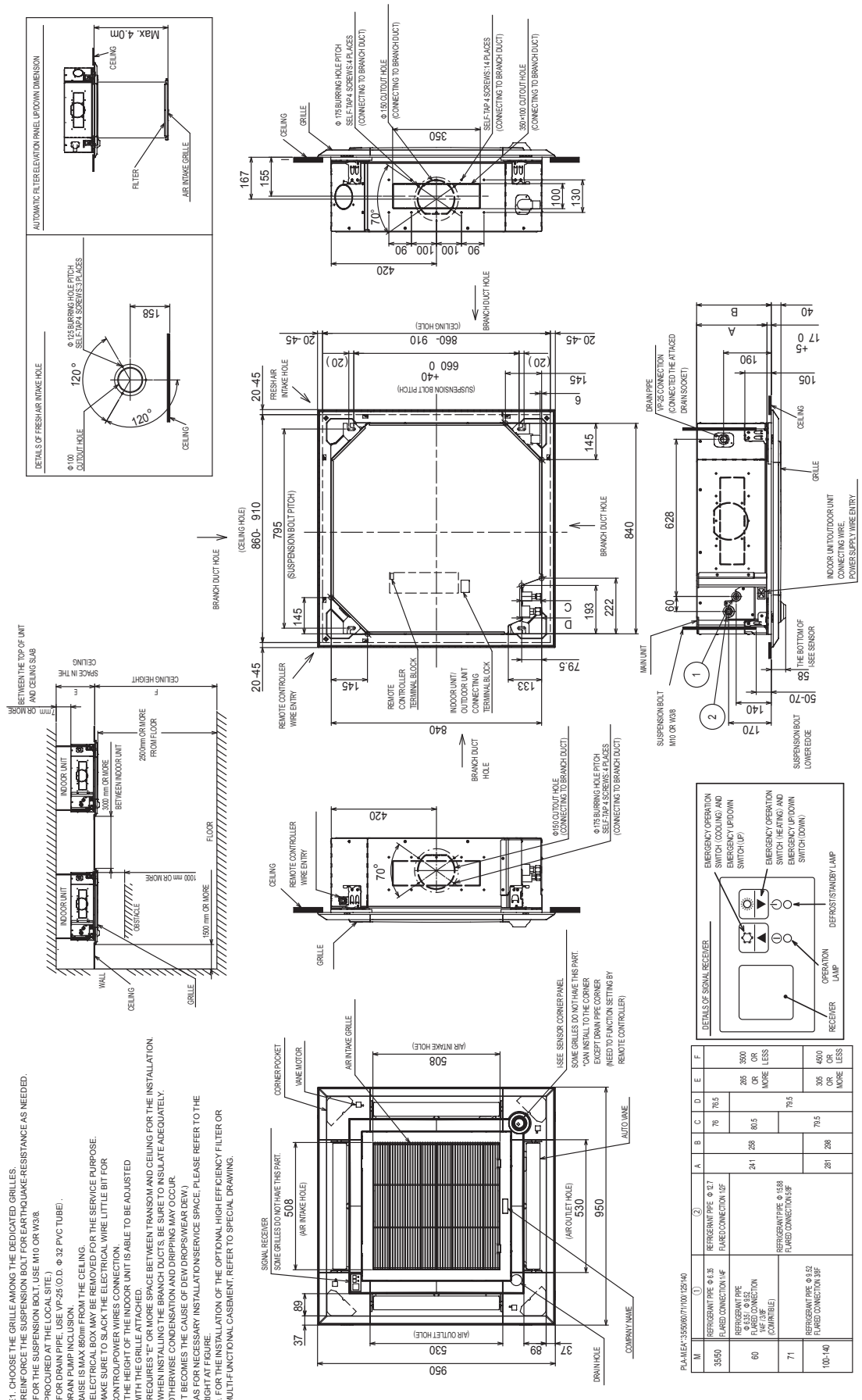
NOTE1. CHOOSE THE GRILLE AMONG THE DEDICATED GRILLES.
2. REINFORCE THE SUSPENSION BOLT FOR EARTHQUAKE-RESISTANCE AS NEEDED.
3. FOR THE SUSPENSION BOLT, USE M10 OR W3/8.
(PROCURED AT THE LOCAL SITE.)
4. FOR DRAIN PIPE, USE VP-25 (O.D. Φ 32 PVC TUBE).
DRAIN PUMP INCLUSION.
RAISE IS MAX 850mm FROM THE CEILING.
5. ELECTRICAL BOX MAY BE REMOVED FOR THE SERVICE PURPOSE.
MAKE SURE TO SLACK THE ELECTRICAL WIRE LITTLE BIT FOR CONTROL/POWER WIRES CONNECTION.
6. THE HEIGHT OF THE INDOOR UNIT IS ABLE TO BE ADJUSTED WITH THE GRILLE ATTACHED.
7. REQUIRES "E" OR MORE SPACE BETWEEN TRANSOM AND CEILING FOR THE INSTALLATION.
8. WHEN INSTALLING THE BRANCH DUCTS, BE SURE TO INSULATE ADEQUATELY. OTHERWISE CONDENSATION AND DRIPPING MAY OCCUR.
(IT BECOMES THE CAUSE OF DEW DROPS/WEAR DEW.)
9. AS FOR NECESSARY INSTALLATION/SERVICE SPACE, PLEASE REFER TO THE RIGHT AT FIGURE.
10. FOR THE INSTALLATION OF THE OPTIONAL HIGH EFFICIENCY FILTER OR MULTI-FUNCTIONAL CASEMENT, REFER TO SPECIAL DRAWING.

PLA-ZM□EA : 35/50/60/71/100/125/140

ZM	(1)	(2)	A	B	C	D	E	F
35/50	REFRIGERANT PIPE Φ 6.35 FLARED CONNECTION 1/4F	REFRIGERANT PIPE Φ 12.7 FLARED CONNECTION 1/2F	241	258	76	76.5	265 OR MORE	3500 OR LESS
60	REFRIGERANT PIPE Φ 9.52 FLARED CONNECTION 3/8F	REFRIGERANT PIPE Φ 15.88 FLARED CONNECTION 5/8F			79.5	79.5	305 OR MORE	4800 OR LESS
71			281	298				
100-140								

PLA-M35EA PLA-M100EA
PLA-M50EA PLA-M125EA
PLA-M60EA PLA-M140EA
PLA-M71EA

Unit: mm

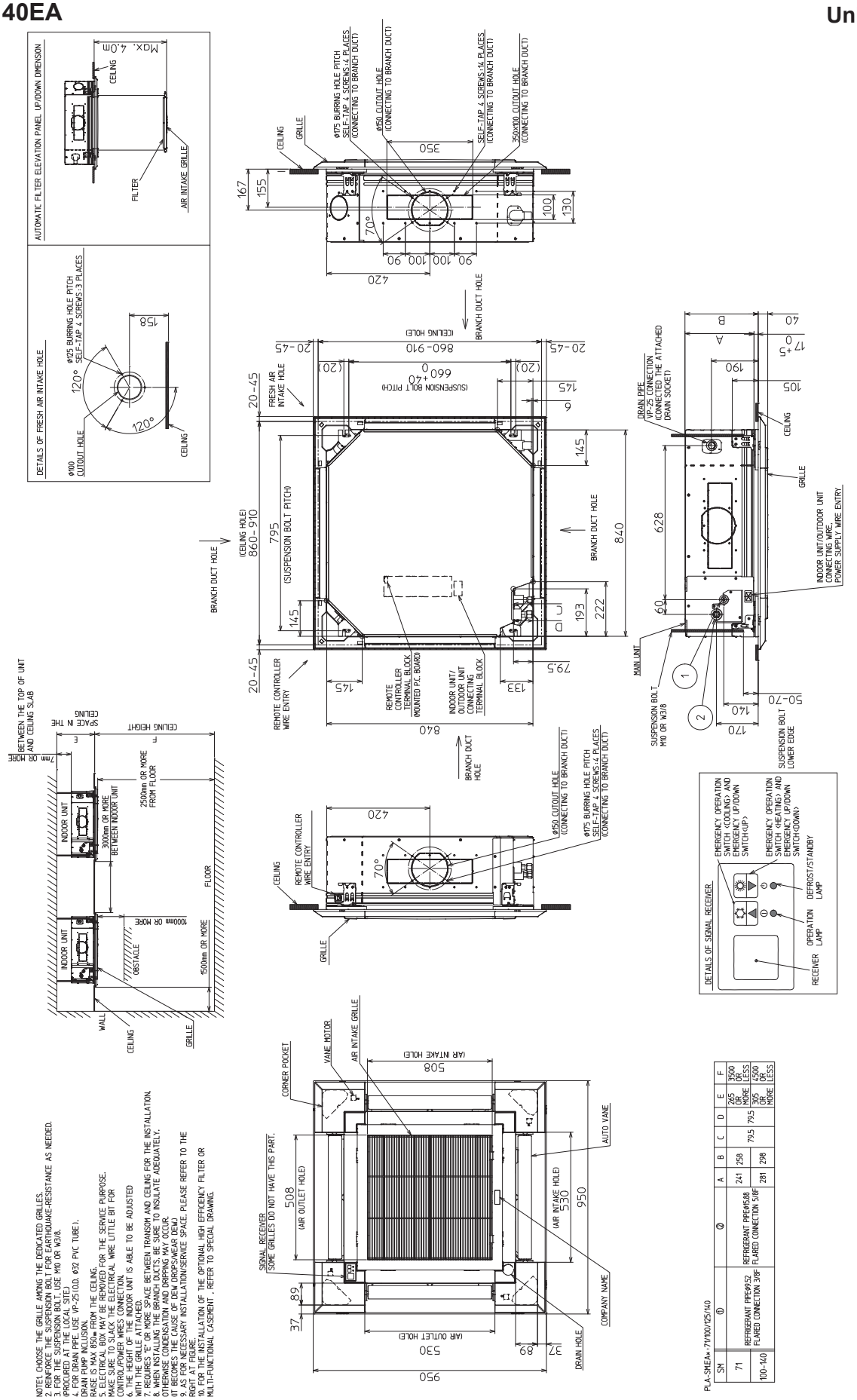


PLA-M*EA	①	②	A	B	C	D	E	F
35/50	REFRIGERANT PIPE Φ6.35 FLARED CONNECTION 1/4F	REFRIGERANT PIPE Φ12.7 FLARED CONNECTION 1/2F	241	258	76	76.5	265 OR MORE	3900 OR LESS
60	REFRIGERANT PIPE Φ 8.35 , Φ 9.52 FLARED CONNECTION 1/4F , 3/8F (COMPATIBLE)	REFRIGERANT PIPE Φ 15.88 FLARED CONNECTION 5/8F			80.5	79.5		
71	REFRIGERANT PIPE Φ 9.52 FLARED CONNECTION 3/8F		261	278	79.5		305 OR MORE	4800 OR LESS
100-140								

NOTE1. CHOOSE THE GRILLE AMONG THE DEDICATED GRILLES.
2. REINFORCE THE SUSPENSION BOLT FOR EARTHQUAKE-RESISTANCE AS NEEDED.
3. FOR THE SUSPENSION BOLT, USE M10 OR W3/8.
(PROCURED AT THE LOCAL SITE.)
4. FOR DRAIN PIPE, USE VP-25 (O.D. Φ 32 PVC TUBE).
DRAIN PUMP INCLUSION.
RAISE IS MAX. 850mm FROM THE CEILING.
5. ELECTRICAL BOX MAY BE REMOVED FOR THE SERVICE PURPOSE.
MAKE SURE TO SLACK THE ELECTRICAL WIRE LITTLE BIT FOR CONTROL/POWER WIRES CONNECTION.
6. THE HEIGHT OF THE INDOOR UNIT IS ABLE TO BE ADJUSTED WITH THE GRILLE ATTACHED.
7. "REQUIRES "E" OR MORE SPACE BETWEEN TRANSOM AND CEILING FOR THE INSTALLATION.
8. WHEN INSTALLING THE BRANCH DUCTS, BE SURE TO INSULATE ADEQUATELY. OTHERWISE CONDENSATION AND DRIPPING MAY OCCUR. (IT BECOMES THE CAUSE OF DEW DROPS/WEAR DEW.)
9. AS FOR NECESSARY INSTALLATION/SERVICE SPACE, PLEASE REFER TO THE RIGHT AT FIGURE.
10. FOR THE INSTALLATION OF THE OPTIONAL HIGH EFFICIENCY FILTER OR MULTI-FUNCTIONAL CASEMENT, REFER TO SPECIAL DRAWING.

PLA-SM71EA
PLA-SM100EA
PLA-SM125EA
PLA-SM140EA

Unit: mm



A.1.3 WIRING DIAGRAM

PLA-ZM35EA PLA-ZM100EA
PLA-ZM50EA PLA-ZM125EA
PLA-ZM60EA PLA-ZM140EA
PLA-ZM71EA

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN2L	CONNECTOR (LOSSNAY)		
CN32	CONNECTOR (REMOTE SWITCH)	TB5,TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
CN41	CONNECTOR (HA TERMINAL-A)		
CN51	CONNECTOR (CENTRALLY CONTROL)	TH1	ROOM TEMP. THERMISTOR (0°C / 15kΩ, 25°C / 5. 4kΩ DETECT)
F1	FUSE (T6.3AL250V)		
LED1	POWER SUPPLY (I.B)	TH2	PIPE TEMP. THERMISTOR/LIQUID (0°C / 15kΩ, 25°C / 5. 4kΩ DETECT)
LED2	POWER SUPPLY (R.B)		
LED3	TRANSMISSION (INDOOR-OUTDOOR)	TH5	COND. / EVA. TEMP. THERMISTOR (0°C / 15kΩ, 25°C / 5. 4kΩ DETECT)
SW1	SWITCH (MODEL SELECTION) Refer to <Table 1>.		
SW2	SWITCH (CAPACITY CODE) Refer to <Table 2>.	R.B	WIRED REMOTE CONTROLLER
SWE	CONNECTOR (EMERGENCY OPERATION)	OPTION PART	
DP	DRAIN PUMP	W.B	PCB OF SIGNAL RECEIVER
FS	DRAIN FLOAT SWITCH	BZ	BUZZER
MF	FAN MOTOR	LED1	LED (OPERATION INDICATION : GREEN)
MV	VANE MOTOR	LED2	LED (PREPARATION FOR HEATING : ORANGE)
		RU	RECEIVING UNIT
		SW1	EMERGENCY OPERATION (HEAT / DOWN)
		SW2	EMERGENCY OPERATION (COOL / UP)
		MT	I-SEE SENSOR MOTOR
		TB2	TERMINAL BLOCK (INDOOR UNIT POWER AND TRANSMISSION LINE)

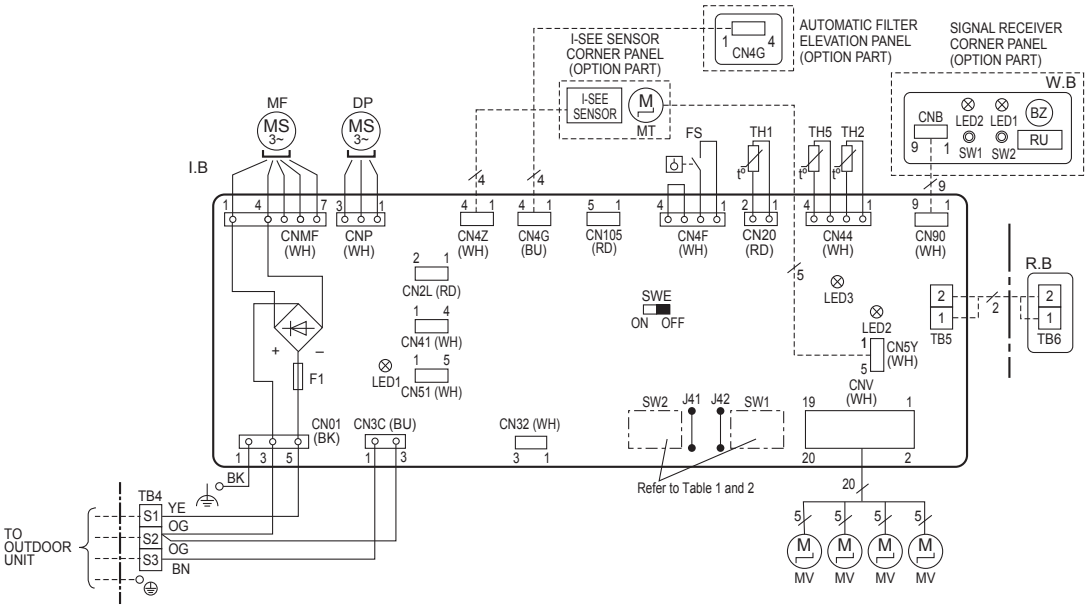
<Table 1> SW1 (MODEL SELECTION)

MODELS	Manufacture/Service
PLA-ZM.EA	1 2 3 4 5 6 ON OFF

<Table 2> SW2 (CAPACITY CODE)

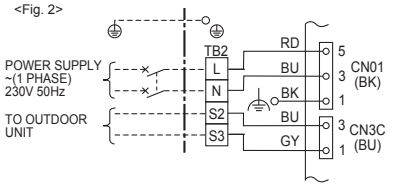
CAPACITY	Manufacture/Service	CAPACITY	Manufacture/Service	CAPACITY	Manufacture/Service
35	1 2 3 4 5 ON OFF	71	1 2 3 4 5 ON OFF	140	1 2 3 4 5 ON OFF
50	1 2 3 4 5 ON OFF	100	1 2 3 4 5 ON OFF		
60	1 2 3 4 5 ON OFF	125	1 2 3 4 5 ON OFF		

The black square (■) indicates a switch position.

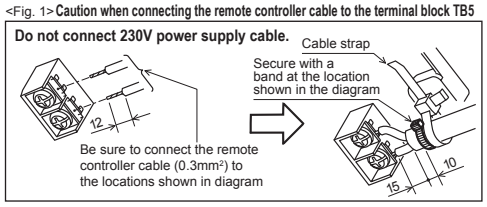


Notes:
1. Symbols used in wiring diagram above are, □□□:Terminal (block), ⊙⊙⊙:Connector.
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires (specification of 230V), adopting superimposed system of power and signal.
   - If the separate indoor/outdoor unit power supplied system is applied, refer to Fig 2.
   - For power supply system of this unit, refer to the caution label located near this diagram.

<Fig. 2>



<Fig. 1> **Caution when connecting the remote controller cable to the terminal block TB5**



[Self-diagnosis]

1. For details on how to operate self-diagnosis with the wireless remote controller,refer to the technical manuals etc.

Check code	Symptom	Check code	Symptom
P1	Abnormality of room temperature thermistor (TH1).	PB(Pb)	Indoor unit fan motor error.
P2	Abnormality of pipe temperature thermistor / Liquid (TH2).	PL	Refrigerant circuit abnormal.
P4	Float switch connector open (FS).	E0~E5	Abnormality of the signal transmission between remote controller and indoor unit.
P5	Malfunction of Drain pump.		
P6	Freezing / overheating protection is working.	E6~EF	Abnormality of the signal transmission between indoor unit and outdoor unit.
P8	Abnormality of pipe temperature.		
P9	Abnormality of pipe temperature thermistor / Cond. /Eva. (TH5).	FB(Fb)	Abnormality of indoor controller board.
		U*, F*	Abnormality in outdoor unit. Refer to outdoor unit wiring diagram.
PA	Leakage error (refrigerant system)		

PLA-M35EA PLA-M100EA
PLA-M50EA PLA-M125EA
PLA-M60EA PLA-M140EA
PLA-M71EA

[LEGEND]

SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD
CN2L	CONNECTOR (LOSSNAY)
CN32	CONNECTOR (REMOTE SWITCH)
CN41	CONNECTOR (HA TERMINAL-A)
CN51	CONNECTOR (CENTRALLY CONTROL)
F1	FUSE (T6.3AL250V)
LED1	POWER SUPPLY (I.B)
LED2	POWER SUPPLY (R.B)
LED3	TRANSMISSION (INDOOR-OUTDOOR)
SW1	SWITCH (MODEL SELECTION) Refer to <Table 1>.
SW2	SWITCH (CAPACITY CODE) Refer to <Table 2>.
SWE	CONNECTOR (EMERGENCY OPERATION)
DP	DRAIN PUMP
FS	DRAIN FLOAT SWITCH
MF	FAN MOTOR
MV	VANE MOTOR

SYMBOL	NAME
TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
TB5, TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
TH1	ROOM TEMP. THERMISTOR (0°C / 15kΩ, 25°C / 5. 4kΩ DETECT)
TH2	PIPE TEMP. THERMISTOR/LIQUID (0°C / 15kΩ, 25°C / 5. 4kΩ DETECT)
TH5	COND. / EVA. TEMP. THERMISTOR (0°C / 15kΩ, 25°C / 5. 4kΩ DETECT)
R.B	WIRED REMOTE CONTROLLER
OPTION PART	
W.B	PCB OF SIGNAL RECEIVER
BZ	BUZZER
LED1	LED (OPERATION INDICATION : GREEN)
LED2	LED (PREPARATION FOR HEATING : ORANGE)
RU	RECEIVING UNIT
SW1	EMERGENCY OPERATION (HEAT / DOWN)
SW2	EMERGENCY OPERATION (COOL / UP)
MT	I-SEE SENSOR MOTOR
TB2	TERMINAL BLOCK (INDOOR UNIT POWER AND TRANSMISSION LINE)

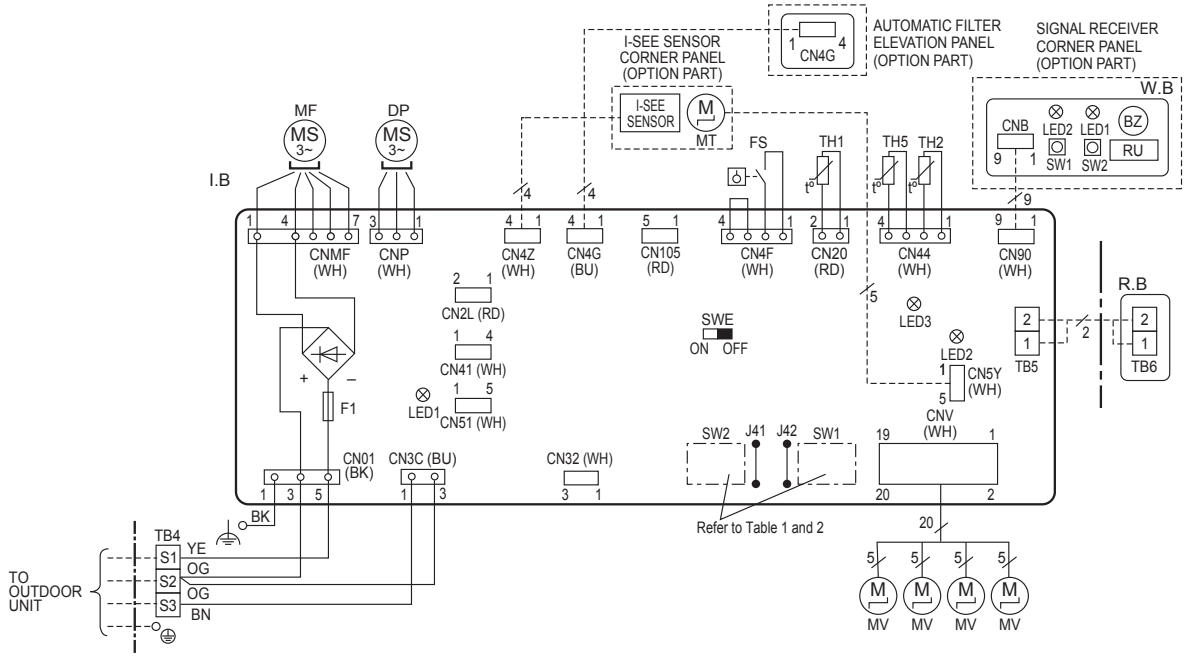
<Table 1> SW1 (MODEL SELECTION)

MODELS	Manufacture/Service
PLA-M.EA	1 2 3 4 5 6 ON OFF

<Table 2> SW2 (CAPACITY CODE)

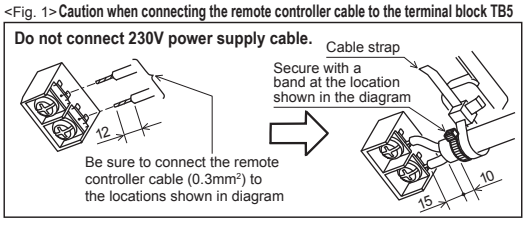
CAPACITY	Manufacture/Service	CAPACITY	Manufacture/Service	CAPACITY	Manufacture/Service
35	1 2 3 4 5 ON OFF	71	1 2 3 4 5 ON OFF	140	1 2 3 4 5 ON OFF
50	1 2 3 4 5 ON OFF	100	1 2 3 4 5 ON OFF		
60	1 2 3 4 5 ON OFF	125	1 2 3 4 5 ON OFF		

The black square (■) indicates a switch position.

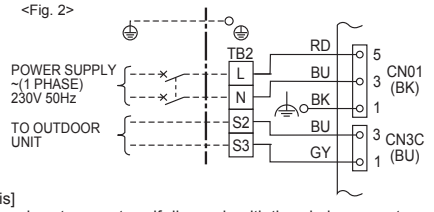


Notes:
1. Symbols used in wiring diagram above are, □□□:Terminal (block), ○○○:Connector.
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires (specification of 230V), adopting superimposed system of power and signal.
   - If the separate indoor/outdoor unit power supplied system is applied, refer to Fig 2.
   - For power supply system of this unit, refer to the caution label located near this diagram.

<Fig. 1> **Caution when connecting the remote controller cable to the terminal block TB5**



<Fig. 2>



[Self-diagnosis]

1. For details on how to operate self-diagnosis with the wireless remote controller,refer to the technical manuals etc.

Check code	Symptom	Check code	Symptom
P1	Abnormality of room temperature thermistor (TH1).	PB(Pb)	Indoor unit fan motor error.
P2	Abnormality of pipe temperature thermistor / Liquid (TH2).	PL	Refrigerant circuit abnormal.
P4	Float switch connector open (FS).	E0~E5	Abnormality of the signal transmission between remote controller and indoor unit.
P5	Malfunction of Drain pump.		
P6	Freezing / overheating protection is working.	E6~EF	Abnormality of the signal transmission between indoor unit and outdoor unit.
P8	Abnormality of pipe temperature.		
P9	Abnormality of pipe temperature thermistor / Cond. /Eva. (TH5).	FB(Fb)	Abnormality of indoor controller board.
		U*, F*	Abnormality in outdoor unit. Refer to outdoor unit wiring diagram.
PA	Leakage error (refrigerant system)		

PLA-SM71EA
PLA-SM100EA
PLA-SM125EA
PLA-SM140EA

[LEGEND]

SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD
CN2L	CONNECTOR (LOSSNAY)
CN32	CONNECTOR (REMOTE SWITCH)
CN41	CONNECTOR (HA TERMINAL-A)
CN51	CONNECTOR (CENTRALLY CONTROL)
F1	FUSE (T6.3AL250V)
LED1	POWER SUPPLY (I.B)
LED2	POWER SUPPLY (R.B)
LED3	TRANSMISSION (INDOOR-OUTDOOR)
SW1	SWITCH (MODEL SELECTION) Refer to <Table 1>.
SW2	SWITCH (CAPACITY CODE) Refer to <Table 2>.
SWE	CONNECTOR (EMERGENCY OPERATION)
DP	DRAIN PUMP
FS	DRAIN FLOAT SWITCH
MF	FAN MOTOR
MV	VANE MOTOR

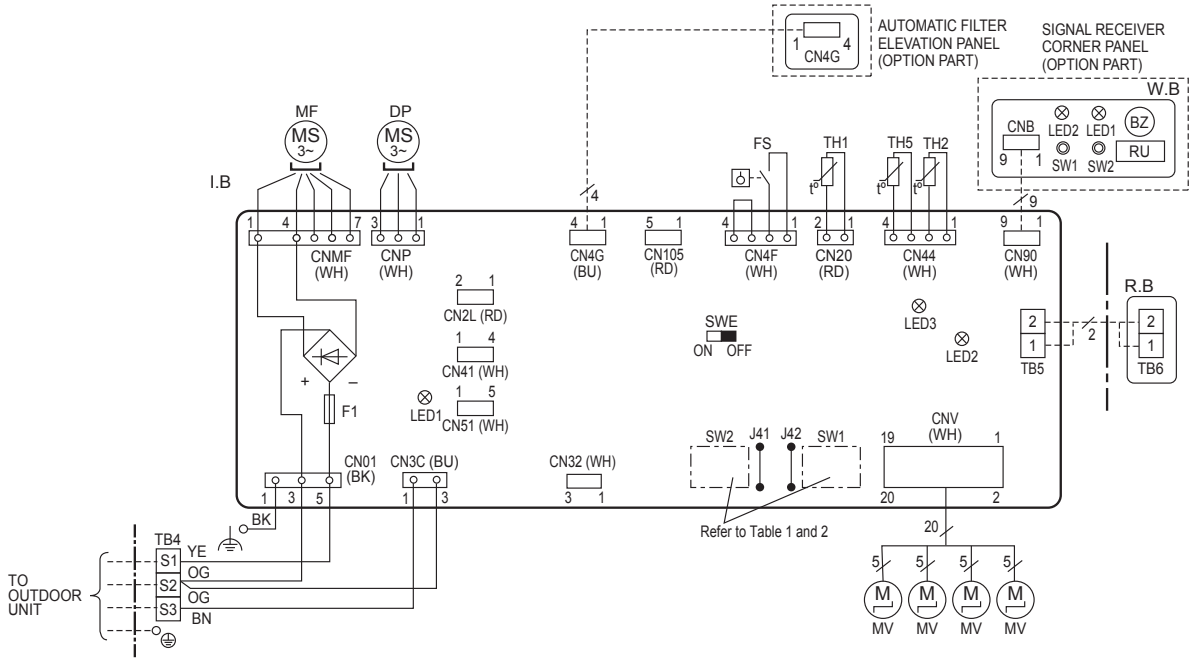
SYMBOL	NAME
TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
TB5,TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
TH1	ROOM TEMP. THERMISTOR (0°C / 15kΩ, 25°C / 5. 4kΩ DETECT)
TH2	PIPE TEMP. THERMISTOR/LIQUID (0°C / 15kΩ, 25°C / 5. 4kΩ DETECT)
TH5	COND. / EVA. TEMP. THERMISTOR (0°C / 15kΩ, 25°C / 5. 4kΩ DETECT)
R.B	WIRED REMOTE CONTROLLER
OPTION PART	
W.B	PCB OF SIGNAL RECEIVER
BZ	BUZZER
LED1	LED (OPERATION INDICATION : GREEN)
LED2	LED (PREPARATION FOR HEATING : ORANGE)
RU	RECEIVING UNIT
SW1	EMERGENCY OPERATION (HEAT / DOWN)
SW2	EMERGENCY OPERATION (COOL / UP)
TB2	TERMINAL BLOCK (INDOOR UNIT POWER AND TRANSMISSION LINE)

<Table 1> SW1 (MODEL SELECTION)

MODELS	Manufacture/Service
PLA-SM.EA	1 2 3 4 5 6 ON OFF

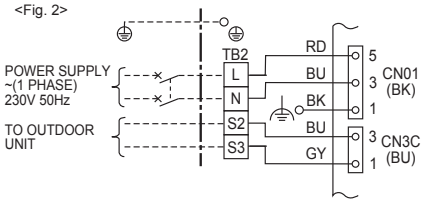
<Table 2> SW2 (CAPACITY CODE)

CAPACITY	Manufacture/Service	CAPACITY	Manufacture/Service
71	1 2 3 4 5 ON OFF	140	1 2 3 4 5 ON OFF
100	1 2 3 4 5 ON OFF	The black square (■) indicates a switch position.	
125	1 2 3 4 5 ON OFF		

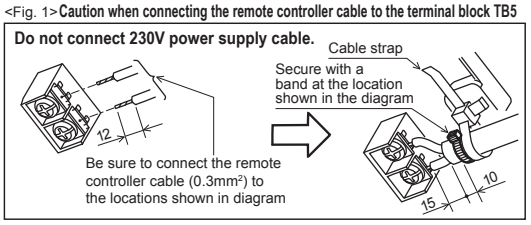


Notes: 1. Symbols used in wiring diagram above are, □□□:Terminal (block), ○○○:Connector.
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires (specification of 230V), adopting superimposed system of power and signal.
- If the separate indoor/outdoor unit power supplied system is applied, refer to Fig 2.
- For power supply system of this unit, refer to the caution label located near this diagram.

<Fig. 2>



<Fig. 1> **Caution when connecting the remote controller cable to the terminal block TB5**



[Self-diagnosis]
1. For details on how to operate self-diagnosis with the wireless remote controller,refer to the technical manuals etc.

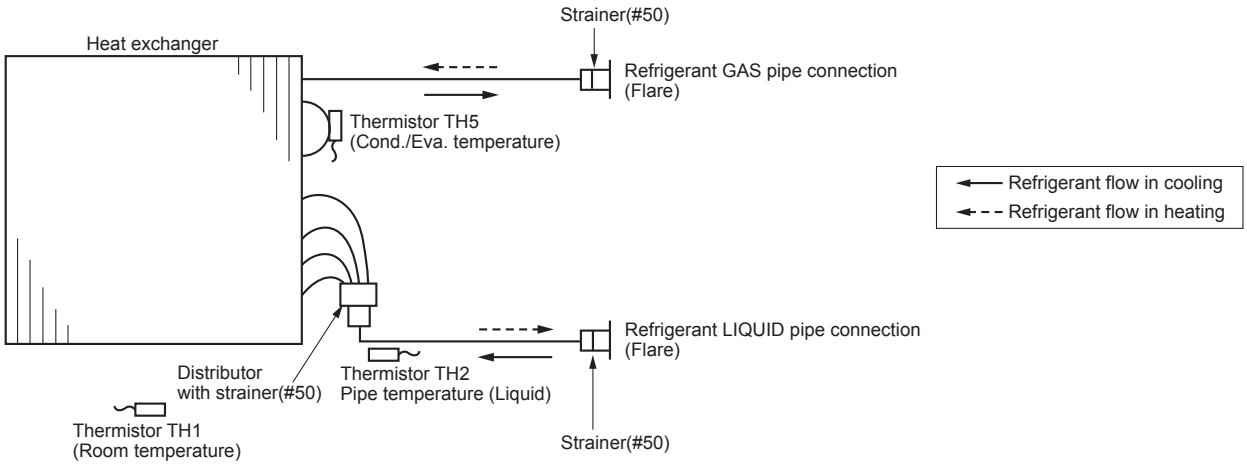
Check code	Symptom	Check code	Symptom
P1	Abnormality of room temperature thermistor (TH1).	PB(Pb)	Indoor unit fan motor error.
P2	Abnormality of pipe temperature thermistor / Liquid (TH2).	PL	Refrigerant circuit abnormal.
P4	Float switch connector open (FS).	E0~E5	Abnormality of the signal transmission between remote controller and indoor unit.
P5	Malfunction of Drain pump.		
P6	Freezing / overheating protection is working.	E6~EF	Abnormality of the signal transmission between indoor unit and outdoor unit.
P8	Abnormality of pipe temperature.		
P9	Abnormality of pipe temperature thermistor / Cond. /Eva. (TH5).	FB(Fb)	Abnormality of indoor controller board.
		U*, F*	Abnormality in outdoor unit. Refer to outdoor unit wiring diagram.
PA	Leakage error (refrigerant system)		

A.1.4 REFRIGERANT SYSTEM DIAGRAM

PLA-ZM35EA
PLA-ZM50EA
PLA-ZM60EA
PLA-ZM71EA
PLA-ZM100EA
PLA-ZM125EA
PLA-ZM140EA

PLA-M35EA
PLA-M50EA
PLA-M60EA
PLA-M71EA
PLA-M100EA
PLA-M125EA
PLA-M140EA

PLA-SM71EA
PLA-SM100EA
PLA-SM125EA
PLA-SM140EA



A.1.5 PERFORMANCE DATA

A.1.5.1 R32 type

COOLING CAPACITY

PLA-ZM35EA / PUZ-ZM35VKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	3,564	3,101	0.87	0.564	3,456	3,007	0.87	0.596	3,348	2,913	0.87	0.631
20	18	3,816	2,862	0.75	0.575	3,708	2,781	0.75	0.606	3,582	2,687	0.75	0.649
20	20	4,104	2,586	0.63	0.592	4,014	2,529	0.63	0.620	3,906	2,461	0.63	0.663
22	16	3,564	3,386	0.95	0.564	3,456	3,283	0.95	0.596	3,348	3,181	0.95	0.631
22	18	3,816	3,167	0.83	0.575	3,708	3,078	0.83	0.606	3,582	2,973	0.83	0.649
22	20	4,104	2,914	0.71	0.592	4,014	2,850	0.71	0.620	3,906	2,773	0.71	0.663
24	16	3,564	3,564	1.00	0.564	3,456	3,456	1.00	0.596	3,348	3,348	1.00	0.631
24	18	3,816	3,473	0.91	0.575	3,708	3,374	0.91	0.606	3,582	3,260	0.91	0.649
24	20	4,104	3,242	0.79	0.592	4,014	3,171	0.79	0.620	3,906	3,086	0.79	0.663
24	22	4,374	2,931	0.67	0.606	4,284	2,870	0.67	0.642	4,176	2,798	0.67	0.684
26	16	3,564	3,564	1.00	0.564	3,456	3,456	1.00	0.596	3,348	3,348	1.00	0.631
26	18	3,816	3,778	0.99	0.575	3,708	3,671	0.99	0.606	3,582	3,546	0.99	0.649
26	20	4,104	3,570	0.87	0.592	4,014	3,492	0.87	0.620	3,906	3,398	0.87	0.663
26	22	4,374	3,281	0.75	0.606	4,284	3,213	0.75	0.642	4,176	3,132	0.75	0.684
27	16	3,564	3,564	1.00	0.564	3,456	3,456	1.00	0.596	3,348	3,348	1.00	0.631
27	18	3,816	3,816	1.00	0.575	3,708	3,708	1.00	0.606	3,582	3,582	1.00	0.649
27	20	4,104	3,735	0.91	0.592	4,014	3,653	0.91	0.620	3,906	3,554	0.91	0.663
27	22	4,374	3,455	0.79	0.606	4,284	3,384	0.79	0.642	4,176	3,299	0.79	0.684
28	16	3,564	3,564	1.00	0.564	3,456	3,456	1.00	0.596	3,348	3,348	1.00	0.631
28	18	3,816	3,816	1.00	0.575	3,708	3,708	1.00	0.606	3,582	3,582	1.00	0.649
28	20	4,104	3,899	0.95	0.592	4,014	3,813	0.95	0.620	3,906	3,711	0.95	0.663
28	22	4,374	3,630	0.83	0.606	4,284	3,556	0.83	0.642	4,176	3,466	0.83	0.684
30	16	3,564	3,564	1.00	0.564	3,456	3,456	1.00	0.596	3,348	3,348	1.00	0.631
30	18	3,816	3,816	1.00	0.575	3,708	3,708	1.00	0.606	3,582	3,582	1.00	0.649
30	20	4,104	4,104	1.00	0.592	4,014	4,014	1.00	0.620	3,906	3,906	1.00	0.663
30	22	4,374	3,980	0.91	0.606	4,284	3,898	0.91	0.642	4,176	3,800	0.91	0.684
32	16	3,564	3,564	1.00	0.564	3,456	3,456	1.00	0.596	3,348	3,348	1.00	0.631
32	18	3,816	3,816	1.00	0.575	3,708	3,708	1.00	0.606	3,582	3,582	1.00	0.649
32	20	4,104	4,104	1.00	0.592	4,014	4,014	1.00	0.620	3,906	3,906	1.00	0.663
32	22	4,374	4,330	0.99	0.606	4,284	4,241	0.99	0.642	4,176	4,134	0.99	0.684
34	16	3,564	3,564	1.00	0.564	3,456	3,456	1.00	0.596	3,348	3,348	1.00	0.631
34	18	3,816	3,816	1.00	0.575	3,708	3,708	1.00	0.606	3,582	3,582	1.00	0.649
34	20	4,104	4,104	1.00	0.592	4,014	4,014	1.00	0.620	3,906	3,906	1.00	0.663
34	22	4,374	4,374	1.00	0.606	4,284	4,284	1.00	0.642	4,176	4,176	1.00	0.684

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	3,204	2,787	0.87	0.677	3,060	2,662	0.87	0.726	2,916	2,537	0.87	0.786
20	18	3,456	2,592	0.75	0.694	3,348	2,511	0.75	0.747	3,132	2,349	0.75	0.804
20	20	3,744	2,359	0.63	0.712	3,600	2,268	0.63	0.761	3,384	2,132	0.63	0.818
22	16	3,204	3,044	0.95	0.677	3,060	2,907	0.95	0.726	2,916	2,770	0.95	0.786
22	18	3,456	2,868	0.83	0.694	3,348	2,779	0.83	0.747	3,132	2,600	0.83	0.804
22	20	3,744	2,658	0.71	0.712	3,600	2,556	0.71	0.761	3,384	2,403	0.71	0.818
24	16	3,204	3,204	1.00	0.677	3,060	3,060	1.00	0.726	2,916	2,916	1.00	0.786
24	18	3,456	3,145	0.91	0.694	3,348	3,047	0.91	0.747	3,132	2,850	0.91	0.804
24	20	3,744	2,958	0.79	0.712	3,600	2,844	0.79	0.761	3,384	2,673	0.79	0.818
24	22	4,032	2,701	0.67	0.726	3,888	2,605	0.67	0.783	3,672	2,460	0.67	0.832
26	16	3,204	3,204	1.00	0.677	3,060	3,060	1.00	0.726	2,916	2,916	1.00	0.786
26	18	3,456	3,421	0.99	0.694	3,348	3,315	0.99	0.747	3,132	3,101	0.99	0.804
26	20	3,744	3,257	0.87	0.712	3,600	3,132	0.87	0.761	3,384	2,944	0.87	0.818
26	22	4,032	3,024	0.75	0.726	3,888	2,916	0.75	0.783	3,672	2,754	0.75	0.832
27	16	3,204	3,204	1.00	0.677	3,060	3,060	1.00	0.726	2,916	2,916	1.00	0.786
27	18	3,456	3,456	1.00	0.694	3,348	3,348	1.00	0.747	3,132	3,132	1.00	0.804
27	20	3,744	3,407	0.91	0.712	3,600	3,276	0.91	0.761	3,384	3,079	0.91	0.818
27	22	4,032	3,185	0.79	0.726	3,888	3,072	0.79	0.783	3,672	2,901	0.79	0.832
28	16	3,204	3,204	1.00	0.677	3,060	3,060	1.00	0.726	2,916	2,916	1.00	0.786
28	18	3,456	3,456	1.00	0.694	3,348	3,348	1.00	0.747	3,132	3,132	1.00	0.804
28	20	3,744	3,557	0.95	0.712	3,600	3,420	0.95	0.761	3,384	3,215	0.95	0.818
28	22	4,032	3,347	0.83	0.726	3,888	3,227	0.83	0.783	3,672	3,048	0.83	0.832
30	16	3,204	3,204	1.00	0.677	3,060	3,060	1.00	0.726	2,916	2,916	1.00	0.786
30	18	3,456	3,456	1.00	0.694	3,348	3,348	1.00	0.747	3,132	3,132	1.00	0.804
30	20	3,744	3,744	1.00	0.712	3,600	3,600	1.00	0.761	3,384	3,384	1.00	0.818
30	22	4,032	3,669	0.91	0.726	3,888	3,538	0.91	0.783	3,672	3,342	0.91	0.832
32	16	3,204	3,204	1.00	0.677	3,060	3,060	1.00	0.726	2,916	2,916	1.00	0.786
32	18	3,456	3,456	1.00	0.694	3,348	3,348	1.00	0.747	3,132	3,132	1.00	0.804
32	20	3,744	3,744	1.00	0.712	3,600	3,600	1.00	0.761	3,384	3,384	1.00	0.818
32	22	4,032	3,992	0.99	0.726	3,888	3,849	0.99	0.783	3,672	3,635	0.99	0.832
34	16	3,204	3,204	1.00	0.677	3,060	3,060	1.00	0.726	2,916	2,916	1.00	0.786
34	18	3,456	3,456	1.00	0.694	3,348	3,348	1.00	0.747	3,132	3,132	1.00	0.804
34	20	3,744	3,744	1.00	0.712	3,600	3,600	1.00	0.761	3,384	3,384	1.00	0.818
34	22	4,032	4,032	1.00	0.726	3,888	3,888	1.00	0.783	3,672	3,672	1.00	0.832

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-ZM50EA / PUZ-ZM50VKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	4,950	3,515	0.71	0.885	4,800	3,408	0.71	0.935	4,650	3,302	0.71	0.990
20	18	5,300	3,127	0.59	0.901	5,150	3,039	0.59	0.951	4,975	2,935	0.59	1.018
20	20	5,700	2,679	0.47	0.929	5,575	2,620	0.47	0.973	5,425	2,550	0.47	1.040
22	16	4,950	3,911	0.79	0.885	4,800	3,792	0.79	0.935	4,650	3,674	0.79	0.990
22	18	5,300	3,551	0.67	0.901	5,150	3,451	0.67	0.951	4,975	3,333	0.67	1.018
22	20	5,700	3,135	0.55	0.929	5,575	3,066	0.55	0.973	5,425	2,984	0.55	1.040
24	16	4,950	4,307	0.87	0.885	4,800	4,176	0.87	0.935	4,650	4,046	0.87	0.990
24	18	5,300	3,975	0.75	0.901	5,150	3,863	0.75	0.951	4,975	3,731	0.75	1.018
24	20	5,700	3,591	0.63	0.929	5,575	3,512	0.63	0.973	5,425	3,418	0.63	1.040
24	22	6,075	3,098	0.51	0.951	5,950	3,035	0.51	1.006	5,800	2,958	0.51	1.073
26	16	4,950	4,703	0.95	0.885	4,800	4,560	0.95	0.935	4,650	4,418	0.95	0.990
26	18	5,300	4,399	0.83	0.901	5,150	4,275	0.83	0.951	4,975	4,129	0.83	1.018
26	20	5,700	4,047	0.71	0.929	5,575	3,958	0.71	0.973	5,425	3,852	0.71	1.040
26	22	6,075	3,584	0.59	0.951	5,950	3,511	0.59	1.006	5,800	3,422	0.59	1.073
27	16	4,950	4,901	0.99	0.885	4,800	4,752	0.99	0.935	4,650	4,604	0.99	0.990
27	18	5,300	4,611	0.87	0.901	5,150	4,481	0.87	0.951	4,975	4,328	0.87	1.018
27	20	5,700	4,275	0.75	0.929	5,575	4,181	0.75	0.973	5,425	4,069	0.75	1.040
27	22	6,075	3,827	0.63	0.951	5,950	3,749	0.63	1.006	5,800	3,654	0.63	1.073
28	16	4,950	4,950	1.00	0.885	4,800	4,800	1.00	0.935	4,650	4,650	1.00	0.990
28	18	5,300	4,823	0.91	0.901	5,150	4,687	0.91	0.951	4,975	4,527	0.91	1.018
28	20	5,700	4,503	0.79	0.929	5,575	4,404	0.79	0.973	5,425	4,286	0.79	1.040
28	22	6,075	4,070	0.67	0.951	5,950	3,987	0.67	1.006	5,800	3,886	0.67	1.073
30	16	4,950	4,950	1.00	0.885	4,800	4,800	1.00	0.935	4,650	4,650	1.00	0.990
30	18	5,300	5,247	0.99	0.901	5,150	5,099	0.99	0.951	4,975	4,925	0.99	1.018
30	20	5,700	4,959	0.87	0.929	5,575	4,850	0.87	0.973	5,425	4,720	0.87	1.040
30	22	6,075	4,556	0.75	0.951	5,950	4,463	0.75	1.006	5,800	4,350	0.75	1.073
32	16	4,950	4,950	1.00	0.885	4,800	4,800	1.00	0.935	4,650	4,650	1.00	0.990
32	18	5,300	5,300	1.00	0.901	5,150	5,150	1.00	0.951	4,975	4,975	1.00	1.018
32	20	5,700	5,415	0.95	0.929	5,575	5,296	0.95	0.973	5,425	5,154	0.95	1.040
32	22	6,075	5,042	0.83	0.951	5,950	4,939	0.83	1.006	5,800	4,814	0.83	1.073
34	16	4,950	4,950	1.00	0.885	4,800	4,800	1.00	0.935	4,650	4,650	1.00	0.990
34	18	5,300	5,300	1.00	0.901	5,150	5,150	1.00	0.951	4,975	4,975	1.00	1.018
34	20	5,700	5,700	1.00	0.929	5,575	5,575	1.00	0.973	5,425	5,425	1.00	1.040
34	22	6,075	5,528	0.91	0.951	5,950	5,415	0.91	1.006	5,800	5,278	0.91	1.073

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	4,450	3,160	0.71	1.062	4,250	3,018	0.71	1.139	4,050	2,876	0.71	1.233
20	18	4,800	2,832	0.59	1.089	4,650	2,744	0.59	1.172	4,350	2,567	0.59	1.261
20	20	5,200	2,444	0.47	1.117	5,000	2,350	0.47	1.194	4,700	2,209	0.47	1.283
22	16	4,450	3,516	0.79	1.062	4,250	3,358	0.79	1.139	4,050	3,200	0.79	1.233
22	18	4,800	3,216	0.67	1.089	4,650	3,116	0.67	1.172	4,350	2,915	0.67	1.261
22	20	5,200	2,860	0.55	1.117	5,000	2,750	0.55	1.194	4,700	2,585	0.55	1.283
24	16	4,450	3,872	0.87	1.062	4,250	3,698	0.87	1.139	4,050	3,524	0.87	1.233
24	18	4,800	3,600	0.75	1.089	4,650	3,488	0.75	1.172	4,350	3,263	0.75	1.261
24	20	5,200	3,276	0.63	1.117	5,000	3,150	0.63	1.194	4,700	2,961	0.63	1.283
24	22	5,600	2,856	0.51	1.139	5,400	2,754	0.51	1.228	5,100	2,601	0.51	1.305
26	16	4,450	4,228	0.95	1.062	4,250	4,038	0.95	1.139	4,050	3,848	0.95	1.233
26	18	4,800	3,984	0.83	1.089	4,650	3,860	0.83	1.172	4,350	3,611	0.83	1.261
26	20	5,200	3,692	0.71	1.117	5,000	3,550	0.71	1.194	4,700	3,337	0.71	1.283
26	22	5,600	3,304	0.59	1.139	5,400	3,186	0.59	1.228	5,100	3,009	0.59	1.305
27	16	4,450	4,406	0.99	1.062	4,250	4,208	0.99	1.139	4,050	4,010	0.99	1.233
27	18	4,800	4,176	0.87	1.089	4,650	4,046	0.87	1.172	4,350	3,785	0.87	1.261
27	20	5,200	3,900	0.75	1.117	5,000	3,750	0.75	1.194	4,700	3,525	0.75	1.283
27	22	5,600	3,528	0.63	1.139	5,400	3,402	0.63	1.228	5,100	3,213	0.63	1.305
28	16	4,450	4,450	1.00	1.062	4,250	4,250	1.00	1.139	4,050	4,050	1.00	1.233
28	18	4,800	4,368	0.91	1.089	4,650	4,232	0.91	1.172	4,350	3,959	0.91	1.261
28	20	5,200	4,108	0.79	1.117	5,000	3,950	0.79	1.194	4,700	3,713	0.79	1.283
28	22	5,600	3,752	0.67	1.139	5,400	3,618	0.67	1.228	5,100	3,417	0.67	1.305
30	16	4,450	4,450	1.00	1.062	4,250	4,250	1.00	1.139	4,050	4,050	1.00	1.233
30	18	4,800	4,752	0.99	1.089	4,650	4,604	0.99	1.172	4,350	4,307	0.99	1.261
30	20	5,200	4,524	0.87	1.117	5,000	4,350	0.87	1.194	4,700	4,089	0.87	1.283
30	22	5,600	4,200	0.75	1.139	5,400	4,050	0.75	1.228	5,100	3,825	0.75	1.305
32	16	4,450	4,450	1.00	1.062	4,250	4,250	1.00	1.139	4,050	4,050	1.00	1.233
32	18	4,800	4,800	1.00	1.089	4,650	4,650	1.00	1.172	4,350	4,350	1.00	1.261
32	20	5,200	4,940	0.95	1.117	5,000	4,750	0.95	1.194	4,700	4,465	0.95	1.283
32	22	5,600	4,648	0.83	1.139	5,400	4,482	0.83	1.228	5,100	4,233	0.83	1.305
34	16	4,450	4,450	1.00	1.062	4,250	4,250	1.00	1.139	4,050	4,050	1.00	1.233
34	18	4,800	4,800	1.00	1.089	4,650	4,650	1.00	1.172	4,350	4,350	1.00	1.261
34	20	5,200	5,200	1.00	1.117	5,000	5,000	1.00	1.194	4,700	4,700	1.00	1.283
34	22	5,600	5,096	0.91	1.139	5,400	4,914	0.91	1.228	5,100	4,641	0.91	1.305

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-ZM60EA / PUZ-ZM60VHA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	SHC (W)	SHF	P.C.	25 CA	SHC (W)	SHF	P.C.	30 CA	SHC (W)	SHF	P.C.
20	16	6,039	3,805	0.63	1.162	5,856	3,689	0.63	1.227	5,673	3,574	0.63	1.300
20	18	6,466	3,298	0.51	1.183	6,283	3,204	0.51	1.249	6,070	3,095	0.51	1.336
20	20	6,954	2,712	0.39	1.220	6,802	2,653	0.39	1.278	6,619	2,581	0.39	1.365
22	16	6,039	4,288	0.71	1.162	5,856	4,158	0.71	1.227	5,673	4,028	0.71	1.300
22	18	6,466	3,815	0.59	1.183	6,283	3,707	0.59	1.249	6,070	3,581	0.59	1.336
22	20	6,954	3,268	0.47	1.220	6,802	3,197	0.47	1.278	6,619	3,111	0.47	1.365
24	16	6,039	4,771	0.79	1.162	5,856	4,626	0.79	1.227	5,673	4,482	0.79	1.300
24	18	6,466	4,332	0.67	1.183	6,283	4,210	0.67	1.249	6,070	4,067	0.67	1.336
24	20	6,954	3,825	0.55	1.220	6,802	3,741	0.55	1.278	6,619	3,640	0.55	1.365
24	22	7,412	3,187	0.43	1.249	7,259	3,121	0.43	1.321	7,076	3,043	0.43	1.408
26	16	6,039	5,254	0.87	1.162	5,856	5,095	0.87	1.227	5,673	4,936	0.87	1.300
26	18	6,466	4,850	0.75	1.183	6,283	4,712	0.75	1.249	6,070	4,552	0.75	1.336
26	20	6,954	4,381	0.63	1.220	6,802	4,285	0.63	1.278	6,619	4,170	0.63	1.365
26	22	7,412	3,780	0.51	1.249	7,259	3,702	0.51	1.321	7,076	3,609	0.51	1.408
27	16	6,039	5,495	0.91	1.162	5,856	5,329	0.91	1.227	5,673	5,162	0.91	1.300
27	18	6,466	5,108	0.79	1.183	6,283	4,964	0.79	1.249	6,070	4,795	0.79	1.336
27	20	6,954	4,659	0.67	1.220	6,802	4,557	0.67	1.278	6,619	4,434	0.67	1.365
27	22	7,412	4,076	0.55	1.249	7,259	3,992	0.55	1.321	7,076	3,892	0.55	1.408
28	16	6,039	5,737	0.95	1.162	5,856	5,563	0.95	1.227	5,673	5,389	0.95	1.300
28	18	6,466	5,367	0.83	1.183	6,283	5,215	0.83	1.249	6,070	5,038	0.83	1.336
28	20	6,954	4,937	0.71	1.220	6,802	4,829	0.71	1.278	6,619	4,699	0.71	1.365
28	22	7,412	4,373	0.59	1.249	7,259	4,283	0.59	1.321	7,076	4,175	0.59	1.408
30	16	6,039	6,039	1.00	1.162	5,856	5,856	1.00	1.227	5,673	5,673	1.00	1.300
30	18	6,466	5,884	0.91	1.183	6,283	5,718	0.91	1.249	6,070	5,523	0.91	1.336
30	20	6,954	5,494	0.79	1.220	6,802	5,373	0.79	1.278	6,619	5,229	0.79	1.365
30	22	7,412	4,966	0.67	1.249	7,259	4,864	0.67	1.321	7,076	4,741	0.67	1.408
32	16	6,039	6,039	1.00	1.162	5,856	5,856	1.00	1.227	5,673	5,673	1.00	1.300
32	18	6,466	6,401	0.99	1.183	6,283	6,220	0.99	1.249	6,070	6,009	0.99	1.336
32	20	6,954	6,050	0.87	1.220	6,802	5,917	0.87	1.278	6,619	5,758	0.87	1.365
32	22	7,412	5,559	0.75	1.249	7,259	5,444	0.75	1.321	7,076	5,307	0.75	1.408
34	16	6,039	6,039	1.00	1.162	5,856	5,856	1.00	1.227	5,673	5,673	1.00	1.300
34	18	6,466	6,466	1.00	1.183	6,283	6,283	1.00	1.249	6,070	6,070	1.00	1.336
34	20	6,954	6,606	0.95	1.220	6,802	6,461	0.95	1.278	6,619	6,288	0.95	1.365
34	22	7,412	6,152	0.83	1.249	7,259	6,025	0.83	1.321	7,076	5,873	0.83	1.408

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	SHC (W)	SHF	P.C.	40 CA	SHC (W)	SHF	P.C.	45 CA	SHC (W)	SHF	P.C.
20	16	5,429	3,420	0.63	1.394	5,185	3,267	0.63	1.496	4,941	3,113	0.63	1.619
20	18	5,856	2,987	0.51	1.430	5,673	2,893	0.51	1.539	5,307	2,707	0.51	1.655
20	20	6,344	2,474	0.39	1.467	6,100	2,379	0.39	1.568	5,734	2,236	0.39	1.684
22	16	5,429	3,855	0.71	1.394	5,185	3,681	0.71	1.496	4,941	3,508	0.71	1.619
22	18	5,856	3,455	0.59	1.430	5,673	3,347	0.59	1.539	5,307	3,131	0.59	1.655
22	20	6,344	2,982	0.47	1.467	6,100	2,867	0.47	1.568	5,734	2,695	0.47	1.684
24	16	5,429	4,289	0.79	1.394	5,185	4,096	0.79	1.496	4,941	3,903	0.79	1.619
24	18	5,856	3,924	0.67	1.430	5,673	3,801	0.67	1.539	5,307	3,556	0.67	1.655
24	20	6,344	3,489	0.55	1.467	6,100	3,355	0.55	1.568	5,734	3,154	0.55	1.684
24	22	6,832	2,938	0.43	1.496	6,588	2,833	0.43	1.612	6,222	2,675	0.43	1.713
26	16	5,429	4,723	0.87	1.394	5,185	4,511	0.87	1.496	4,941	4,299	0.87	1.619
26	18	5,856	4,392	0.75	1.430	5,673	4,255	0.75	1.539	5,307	3,980	0.75	1.655
26	20	6,344	3,997	0.63	1.467	6,100	3,843	0.63	1.568	5,734	3,612	0.63	1.684
26	22	6,832	3,484	0.51	1.496	6,588	3,360	0.51	1.612	6,222	3,173	0.51	1.713
27	16	5,429	4,940	0.91	1.394	5,185	4,718	0.91	1.496	4,941	4,496	0.91	1.619
27	18	5,856	4,626	0.79	1.430	5,673	4,482	0.79	1.539	5,307	4,193	0.79	1.655
27	20	6,344	4,250	0.67	1.467	6,100	4,087	0.67	1.568	5,734	3,842	0.67	1.684
27	22	6,832	3,758	0.55	1.496	6,588	3,623	0.55	1.612	6,222	3,422	0.55	1.713
28	16	5,429	5,158	0.95	1.394	5,185	4,926	0.95	1.496	4,941	4,694	0.95	1.619
28	18	5,856	4,860	0.83	1.430	5,673	4,709	0.83	1.539	5,307	4,405	0.83	1.655
28	20	6,344	4,504	0.71	1.467	6,100	4,331	0.71	1.568	5,734	4,071	0.71	1.684
28	22	6,832	4,031	0.59	1.496	6,588	3,887	0.59	1.612	6,222	3,671	0.59	1.713
30	16	5,429	5,429	1.00	1.394	5,185	5,185	1.00	1.496	4,941	4,941	1.00	1.619
30	18	5,856	5,329	0.91	1.430	5,673	5,162	0.91	1.539	5,307	4,829	0.91	1.655
30	20	6,344	5,012	0.79	1.467	6,100	4,819	0.79	1.568	5,734	4,530	0.79	1.684
30	22	6,832	4,577	0.67	1.496	6,588	4,414	0.67	1.612	6,222	4,169	0.67	1.713
32	16	5,429	5,429	1.00	1.394	5,185	5,185	1.00	1.496	4,941	4,941	1.00	1.619
32	18	5,856	5,797	0.99	1.430	5,673	5,616	0.99	1.539	5,307	5,254	0.99	1.655
32	20	6,344	5,519	0.87	1.467	6,100	5,307	0.87	1.568	5,734	4,989	0.87	1.684
32	22	6,832	5,124	0.75	1.496	6,588	4,941	0.75	1.612	6,222	4,667	0.75	1.713
34	16	5,429	5,429	1.00	1.394	5,185	5,185	1.00	1.496	4,941	4,941	1.00	1.619
34	18	5,856	5,856	1.00	1.430	5,673	5,673	1.00	1.539	5,307	5,307	1.00	1.655
34	20	6,344	6,027	0.95	1.467	6,100	5,795	0.95	1.568	5,734	5,447	0.95	1.684
34	22	6,832	5,671	0.83	1.496	6,588	5,468	0.83	1.612	6,222	5,164	0.83	1.713

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-ZM71EA / PUZ-ZM71VHA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	7,029	5,061	0.72	1.321	6,816	4,908	0.72	1.395	6,603	4,754	0.72	1.478
20	18	7,526	4,516	0.60	1.346	7,313	4,388	0.60	1.420	7,065	4,239	0.60	1.519
20	20	8,094	3,885	0.48	1.387	7,917	3,800	0.48	1.453	7,704	3,698	0.48	1.552
22	16	7,029	5,623	0.80	1.321	6,816	5,453	0.80	1.395	6,603	5,282	0.80	1.478
22	18	7,526	5,118	0.68	1.346	7,313	4,973	0.68	1.420	7,065	4,804	0.68	1.519
22	20	8,094	4,533	0.56	1.387	7,917	4,433	0.56	1.453	7,704	4,314	0.56	1.552
24	16	7,029	6,186	0.88	1.321	6,816	5,998	0.88	1.395	6,603	5,811	0.88	1.478
24	18	7,526	5,720	0.76	1.346	7,313	5,558	0.76	1.420	7,065	5,369	0.76	1.519
24	20	8,094	5,180	0.64	1.387	7,917	5,067	0.64	1.453	7,704	4,930	0.64	1.552
24	22	8,627	4,486	0.52	1.420	8,449	4,393	0.52	1.502	8,236	4,283	0.52	1.601
26	16	7,029	6,748	0.96	1.321	6,816	6,543	0.96	1.395	6,603	6,339	0.96	1.478
26	18	7,526	6,322	0.84	1.346	7,313	6,143	0.84	1.420	7,065	5,934	0.84	1.519
26	20	8,094	5,828	0.72	1.387	7,917	5,700	0.72	1.453	7,704	5,547	0.72	1.552
26	22	8,627	5,176	0.60	1.420	8,449	5,069	0.60	1.502	8,236	4,942	0.60	1.601
27	16	7,029	7,029	1.00	1.321	6,816	6,816	1.00	1.395	6,603	6,603	1.00	1.478
27	18	7,526	6,623	0.88	1.346	7,313	6,435	0.88	1.420	7,065	6,217	0.88	1.519
27	20	8,094	6,151	0.76	1.387	7,917	6,017	0.76	1.453	7,704	5,855	0.76	1.552
27	22	8,627	5,521	0.64	1.420	8,449	5,407	0.64	1.502	8,236	5,271	0.64	1.601
28	16	7,029	7,029	1.00	1.321	6,816	6,816	1.00	1.395	6,603	6,603	1.00	1.478
28	18	7,526	6,924	0.92	1.346	7,313	6,728	0.92	1.420	7,065	6,499	0.92	1.519
28	20	8,094	6,475	0.80	1.387	7,917	6,333	0.80	1.453	7,704	6,163	0.80	1.552
28	22	8,627	5,866	0.68	1.420	8,449	5,745	0.68	1.502	8,236	5,600	0.68	1.601
30	16	7,029	7,029	1.00	1.321	6,816	6,816	1.00	1.395	6,603	6,603	1.00	1.478
30	18	7,526	7,526	1.00	1.346	7,313	7,313	1.00	1.420	7,065	7,065	1.00	1.519
30	20	8,094	7,123	0.88	1.387	7,917	6,967	0.88	1.453	7,704	6,779	0.88	1.552
30	22	8,627	6,556	0.76	1.420	8,449	6,421	0.76	1.502	8,236	6,259	0.76	1.601
32	16	7,029	7,029	1.00	1.321	6,816	6,816	1.00	1.395	6,603	6,603	1.00	1.478
32	18	7,526	7,526	1.00	1.346	7,313	7,313	1.00	1.420	7,065	7,065	1.00	1.519
32	20	8,094	7,770	0.96	1.387	7,917	7,600	0.96	1.453	7,704	7,395	0.96	1.552
32	22	8,627	7,246	0.84	1.420	8,449	7,097	0.84	1.502	8,236	6,918	0.84	1.601
34	16	7,029	7,029	1.00	1.321	6,816	6,816	1.00	1.395	6,603	6,603	1.00	1.478
34	18	7,526	7,526	1.00	1.346	7,313	7,313	1.00	1.420	7,065	7,065	1.00	1.519
34	20	8,094	8,094	1.00	1.387	7,917	7,917	1.00	1.453	7,704	7,704	1.00	1.552
34	22	8,627	7,936	0.92	1.420	8,449	7,773	0.92	1.50	8,236	7,577	0.92	1.601

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	6,319	4,550	0.72	1.585	6,035	4,345	0.72	1.701	5,751	4,141	0.72	1.841
20	18	6,816	4,090	0.60	1.626	6,603	3,962	0.60	1.750	6,177	3,706	0.60	1.882
20	20	7,384	3,544	0.48	1.668	7,100	3,408	0.48	1.783	6,674	3,204	0.48	1.915
22	16	6,319	5,055	0.80	1.585	6,035	4,828	0.80	1.701	5,751	4,601	0.80	1.841
22	18	6,816	4,635	0.68	1.626	6,603	4,490	0.68	1.750	6,177	4,200	0.68	1.882
22	20	7,384	4,135	0.56	1.668	7,100	3,976	0.56	1.783	6,674	3,737	0.56	1.915
24	16	6,319	5,561	0.88	1.585	6,035	5,311	0.88	1.701	5,751	5,061	0.88	1.841
24	18	6,816	5,180	0.76	1.626	6,603	5,018	0.76	1.750	6,177	4,695	0.76	1.882
24	20	7,384	4,726	0.64	1.668	7,100	4,544	0.64	1.783	6,674	4,271	0.64	1.915
24	22	7,952	4,135	0.52	1.701	7,668	3,987	0.52	1.833	7,242	3,766	0.52	1.948
26	16	6,319	6,066	0.96	1.585	6,035	5,794	0.96	1.701	5,751	5,521	0.96	1.841
26	18	6,816	5,725	0.84	1.626	6,603	5,547	0.84	1.750	6,177	5,189	0.84	1.882
26	20	7,384	5,316	0.72	1.668	7,100	5,112	0.72	1.783	6,674	4,805	0.72	1.915
26	22	7,952	4,771	0.60	1.701	7,668	4,601	0.60	1.833	7,242	4,345	0.60	1.948
27	16	6,319	6,319	1.00	1.585	6,035	6,035	1.00	1.701	5,751	5,751	1.00	1.841
27	18	6,816	5,998	0.88	1.626	6,603	5,811	0.88	1.750	6,177	5,436	0.88	1.882
27	20	7,384	5,612	0.76	1.668	7,100	5,396	0.76	1.783	6,674	5,072	0.76	1.915
27	22	7,952	5,089	0.64	1.701	7,668	4,908	0.64	1.833	7,242	4,635	0.64	1.948
28	16	6,319	6,319	1.00	1.585	6,035	6,035	1.00	1.701	5,751	5,751	1.00	1.841
28	18	6,816	6,271	0.92	1.626	6,603	6,075	0.92	1.750	6,177	5,683	0.92	1.882
28	20	7,384	5,907	0.80	1.668	7,100	5,680	0.80	1.783	6,674	5,339	0.80	1.915
28	22	7,952	5,407	0.68	1.701	7,668	5,214	0.68	1.833	7,242	4,925	0.68	1.948
30	16	6,319	6,319	1.00	1.585	6,035	6,035	1.00	1.701	5,751	5,751	1.00	1.841
30	18	6,816	6,816	1.00	1.626	6,603	6,603	1.00	1.750	6,177	6,177	1.00	1.882
30	20	7,384	6,498	0.88	1.668	7,100	6,248	0.88	1.783	6,674	5,873	0.88	1.915
30	22	7,952	6,044	0.76	1.701	7,668	5,828	0.76	1.833	7,242	5,504	0.76	1.948
32	16	6,319	6,319	1.00	1.585	6,035	6,035	1.00	1.701	5,751	5,751	1.00	1.841
32	18	6,816	6,816	1.00	1.626	6,603	6,603	1.00	1.750	6,177	6,177	1.00	1.882
32	20	7,384	7,089	0.96	1.668	7,100	6,816	0.96	1.783	6,674	6,407	0.96	1.915
32	22	7,952	6,680	0.84	1.701	7,668	6,441	0.84	1.833	7,242	6,083	0.84	1.948
34	16	6,319	6,319	1.00	1.585	6,035	6,035	1.00	1.701	5,751	5,751	1.00	1.841
34	18	6,816	6,816	1.00	1.626	6,603	6,603	1.00	1.750	6,177	6,177	1.00	1.882
34	20	7,384	7,384	1.00	1.668	7,100	7,100	1.00	1.783	6,674	6,674	1.00	1.915
34	22	7,952	7,316	0.92	1.701	7,668	7,055	0.92	1.833	7,242	6,663	0.92	1.948

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-ZM100EA / PUZ-ZM100VKA PUZ-ZM100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	5,925	0.63	1.652	9,120	5,746	0.63	1.745	8,835	5,566	0.63	1.848
20	18	10,070	5,136	0.51	1.683	9,785	4,990	0.51	1.776	9,453	4,821	0.51	1.900
20	20	10,830	4,224	0.39	1.735	10,593	4,131	0.39	1.817	10,308	4,020	0.39	1.941
22	16	9,405	6,678	0.71	1.652	9,120	6,475	0.71	1.745	8,835	6,273	0.71	1.848
22	18	10,070	5,941	0.59	1.683	9,785	5,773	0.59	1.776	9,453	5,577	0.59	1.900
22	20	10,830	5,090	0.47	1.735	10,593	4,978	0.47	1.817	10,308	4,845	0.47	1.941
24	16	9,405	7,430	0.79	1.652	9,120	7,205	0.79	1.745	8,835	6,980	0.79	1.848
24	18	10,070	6,747	0.67	1.683	9,785	6,556	0.67	1.776	9,453	6,333	0.67	1.900
24	20	10,830	5,957	0.55	1.735	10,593	5,826	0.55	1.817	10,308	5,669	0.55	1.941
24	22	11,543	4,963	0.43	1.776	11,305	4,861	0.43	1.879	11,020	4,739	0.43	2.003
26	16	9,405	8,182	0.87	1.652	9,120	7,934	0.87	1.745	8,835	7,686	0.87	1.848
26	18	10,070	7,553	0.75	1.683	9,785	7,339	0.75	1.776	9,453	7,089	0.75	1.900
26	20	10,830	6,823	0.63	1.735	10,593	6,673	0.63	1.817	10,308	6,494	0.63	1.941
26	22	11,543	5,887	0.51	1.776	11,305	5,766	0.51	1.879	11,020	5,620	0.51	2.003
27	16	9,405	8,559	0.91	1.652	9,120	8,299	0.91	1.745	8,835	8,040	0.91	1.848
27	18	10,070	7,955	0.79	1.683	9,785	7,730	0.79	1.776	9,453	7,467	0.79	1.900
27	20	10,830	7,256	0.67	1.735	10,593	7,097	0.67	1.817	10,308	6,906	0.67	1.941
27	22	11,543	6,348	0.55	1.776	11,305	6,218	0.55	1.879	11,020	6,061	0.55	2.003
28	16	9,405	8,935	0.95	1.652	9,120	8,664	0.95	1.745	8,835	8,393	0.95	1.848
28	18	10,070	8,358	0.83	1.683	9,785	8,122	0.83	1.776	9,453	7,846	0.83	1.900
28	20	10,830	7,689	0.71	1.735	10,593	7,521	0.71	1.817	10,308	7,318	0.71	1.941
28	22	11,543	6,810	0.59	1.776	11,305	6,670	0.59	1.879	11,020	6,502	0.59	2.003
30	16	9,405	9,405	1.00	1.652	9,120	9,120	1.00	1.745	8,835	8,835	1.00	1.848
30	18	10,070	9,164	0.91	1.683	9,785	8,904	0.91	1.776	9,453	8,602	0.91	1.900
30	20	10,830	8,556	0.79	1.735	10,593	8,368	0.79	1.817	10,308	8,143	0.79	1.941
30	22	11,543	7,733	0.67	1.776	11,305	7,574	0.67	1.879	11,020	7,383	0.67	2.003
32	16	9,405	9,405	1.00	1.652	9,120	9,120	1.00	1.745	8,835	8,835	1.00	1.848
32	18	10,070	9,969	0.99	1.683	9,785	9,687	0.99	1.776	9,453	9,358	0.99	1.900
32	20	10,830	9,422	0.87	1.735	10,593	9,215	0.87	1.817	10,308	8,968	0.87	1.941
32	22	11,543	8,657	0.75	1.776	11,305	8,479	0.75	1.879	11,020	8,265	0.75	2.003
34	16	9,405	9,405	1.00	1.652	9,120	9,120	1.00	1.745	8,835	8,835	1.00	1.848
34	18	10,070	10,070	1.00	1.683	9,785	9,785	1.00	1.776	9,453	9,453	1.00	1.900
34	20	10,830	10,289	0.95	1.735	10,593	10,063	0.95	1.817	10,308	9,792	0.95	1.941
34	22	11,543	9,580	0.83	1.776	11,305	9,383	0.83	1.88	11,020	9,147	0.83	2.003

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	5,327	0.63	1.982	8,075	5,087	0.63	2.127	7,695	4,848	0.63	2.302
20	18	9,120	4,651	0.51	2.034	8,835	4,506	0.51	2.189	8,265	4,215	0.51	2.354
20	20	9,880	3,853	0.39	2.086	9,500	3,705	0.39	2.230	8,930	3,483	0.39	2.395
22	16	8,455	6,003	0.71	1.982	8,075	5,733	0.71	2.127	7,695	5,463	0.71	2.302
22	18	9,120	5,381	0.59	2.034	8,835	5,213	0.59	2.189	8,265	4,876	0.59	2.354
22	20	9,880	4,644	0.47	2.086	9,500	4,465	0.47	2.230	8,930	4,197	0.47	2.395
24	16	8,455	6,679	0.79	1.982	8,075	6,379	0.79	2.127	7,695	6,079	0.79	2.302
24	18	9,120	6,110	0.67	2.034	8,835	5,919	0.67	2.189	8,265	5,538	0.67	2.354
24	20	9,880	5,434	0.55	2.086	9,500	5,225	0.55	2.230	8,930	4,912	0.55	2.395
24	22	10,640	4,575	0.43	2.127	10,260	4,412	0.43	2.292	9,690	4,167	0.43	2.437
26	16	8,455	7,356	0.87	1.982	8,075	7,025	0.87	2.127	7,695	6,695	0.87	2.302
26	18	9,120	6,840	0.75	2.034	8,835	6,626	0.75	2.189	8,265	6,199	0.75	2.354
26	20	9,880	6,224	0.63	2.086	9,500	5,985	0.63	2.230	8,930	5,626	0.63	2.395
26	22	10,640	5,426	0.51	2.127	10,260	5,233	0.51	2.292	9,690	4,942	0.51	2.437
27	16	8,455	7,694	0.91	1.982	8,075	7,348	0.91	2.127	7,695	7,002	0.91	2.302
27	18	9,120	7,205	0.79	2.034	8,835	6,980	0.79	2.189	8,265	6,529	0.79	2.354
27	20	9,880	6,620	0.67	2.086	9,500	6,365	0.67	2.230	8,930	5,983	0.67	2.395
27	22	10,640	5,852	0.55	2.127	10,260	5,643	0.55	2.292	9,690	5,330	0.55	2.437
28	16	8,455	8,032	0.95	1.982	8,075	7,671	0.95	2.127	7,695	7,310	0.95	2.302
28	18	9,120	7,570	0.83	2.034	8,835	7,333	0.83	2.189	8,265	6,860	0.83	2.354
28	20	9,880	7,015	0.71	2.086	9,500	6,745	0.71	2.230	8,930	6,340	0.71	2.395
28	22	10,640	6,278	0.59	2.127	10,260	6,053	0.59	2.292	9,690	5,717	0.59	2.437
30	16	8,455	8,455	1.00	1.982	8,075	8,075	1.00	2.127	7,695	7,695	1.00	2.302
30	18	9,120	8,299	0.91	2.034	8,835	8,040	0.91	2.189	8,265	7,521	0.91	2.354
30	20	9,880	7,805	0.79	2.086	9,500	7,505	0.79	2.230	8,930	7,055	0.79	2.395
30	22	10,640	7,129	0.67	2.127	10,260	6,874	0.67	2.292	9,690	6,492	0.67	2.437
32	16	8,455	8,455	1.00	1.982	8,075	8,075	1.00	2.127	7,695	7,695	1.00	2.302
32	18	9,120	9,029	0.99	2.034	8,835	8,747	0.99	2.189	8,265	8,182	0.99	2.354
32	20	9,880	8,596	0.87	2.086	9,500	8,265	0.87	2.230	8,930	7,769	0.87	2.395
32	22	10,640	7,980	0.75	2.127	10,260	7,695	0.75	2.292	9,690	7,268	0.75	2.437
34	16	8,455	8,455	1.00	1.982	8,075	8,075	1.00	2.127	7,695	7,695	1.00	2.302
34	18	9,120	9,120	1.00	2.034	8,835	8,835	1.00	2.189	8,265	8,265	1.00	2.354
34	20	9,880	9,386	0.95	2.086	9,500	9,025	0.95	2.230	8,930	8,484	0.95	2.395
34	22	10,640	8,831	0.83	2.127	10,260	8,516	0.83	2.292	9,690	8,043	0.83	2.437

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-ZM125EA / PUZ-ZM125VKA PUZ-ZM125YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	12,375	6,683	0.54	2.702	12,000	6,480	0.54	2.854	11,625	6,278	0.54	3.023
20	18	13,250	5,565	0.42	2.753	12,875	5,408	0.42	2.905	12,438	5,224	0.42	3.108
20	20	14,250	4,275	0.30	2.838	13,938	4,181	0.30	2.973	13,563	4,069	0.30	3.175
22	16	12,375	7,673	0.62	2.702	12,000	7,440	0.62	2.854	11,625	7,208	0.62	3.023
22	18	13,250	6,625	0.50	2.753	12,875	6,438	0.50	2.905	12,438	6,219	0.50	3.108
22	20	14,250	5,415	0.38	2.838	13,938	5,296	0.38	2.973	13,563	5,154	0.38	3.175
24	16	12,375	8,663	0.70	2.702	12,000	8,400	0.70	2.854	11,625	8,138	0.70	3.023
24	18	13,250	7,685	0.58	2.753	12,875	7,468	0.58	2.905	12,438	7,214	0.58	3.108
24	20	14,250	6,555	0.46	2.838	13,938	6,411	0.46	2.973	13,563	6,239	0.46	3.175
24	22	15,188	5,164	0.34	2.905	14,875	5,058	0.34	3.074	14,500	4,930	0.34	3.277
26	16	12,375	9,653	0.78	2.702	12,000	9,360	0.78	2.854	11,625	9,068	0.78	3.023
26	18	13,250	8,745	0.66	2.753	12,875	8,498	0.66	2.905	12,438	8,209	0.66	3.108
26	20	14,250	7,695	0.54	2.838	13,938	7,526	0.54	2.973	13,563	7,324	0.54	3.175
26	22	15,188	6,379	0.42	2.905	14,875	6,248	0.42	3.074	14,500	6,090	0.42	3.277
27	16	12,375	10,148	0.82	2.702	12,000	9,840	0.82	2.854	11,625	9,533	0.82	3.023
27	18	13,250	9,275	0.70	2.753	12,875	9,013	0.70	2.905	12,438	8,706	0.70	3.108
27	20	14,250	8,265	0.58	2.838	13,938	8,084	0.58	2.973	13,563	7,866	0.58	3.175
27	22	15,188	6,986	0.46	2.905	14,875	6,843	0.46	3.074	14,500	6,670	0.46	3.277
28	16	12,375	10,643	0.86	2.702	12,000	10,320	0.86	2.854	11,625	9,998	0.86	3.023
28	18	13,250	9,805	0.74	2.753	12,875	9,528	0.74	2.905	12,438	9,204	0.74	3.108
28	20	14,250	8,835	0.62	2.838	13,938	8,641	0.62	2.973	13,563	8,409	0.62	3.175
28	22	15,188	7,594	0.50	2.905	14,875	7,438	0.50	3.074	14,500	7,250	0.50	3.277
30	16	12,375	11,633	0.94	2.702	12,000	11,280	0.94	2.854	11,625	10,928	0.94	3.023
30	18	13,250	10,865	0.82	2.753	12,875	10,558	0.82	2.905	12,438	10,199	0.82	3.108
30	20	14,250	9,975	0.70	2.838	13,938	9,756	0.70	2.973	13,563	9,494	0.70	3.175
30	22	15,188	8,809	0.58	2.905	14,875	8,628	0.58	3.074	14,500	8,410	0.58	3.277
32	16	12,375	12,375	1.00	2.702	12,000	12,000	1.00	2.854	11,625	11,625	1.00	3.023
32	18	13,250	11,925	0.90	2.753	12,875	11,588	0.90	2.905	12,438	11,194	0.90	3.108
32	20	14,250	11,115	0.78	2.838	13,938	10,871	0.78	2.973	13,563	10,579	0.78	3.175
32	22	15,188	10,024	0.66	2.905	14,875	9,818	0.66	3.074	14,500	9,570	0.66	3.277
34	16	12,375	12,375	1.00	2.702	12,000	12,000	1.00	2.854	11,625	11,625	1.00	3.023
34	18	13,250	12,985	0.98	2.753	12,875	12,618	0.98	2.905	12,438	12,189	0.98	3.108
34	20	14,250	12,255	0.86	2.838	13,938	11,986	0.86	2.973	13,563	11,664	0.86	3.175
34	22	15,188	11,239	0.74	2.905	14,875	11,008	0.74	3.07	14,500	10,730	0.74	3.277

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,125	6,008	0.54	3.243	10,625	5,738	0.54	3.479	10,125	5,468	0.54	3.766
20	18	12,000	5,040	0.42	3.327	11,625	4,883	0.42	3.581	10,875	4,568	0.42	3.851
20	20	13,000	3,900	0.30	3.412	12,500	3,750	0.30	3.648	11,750	3,525	0.30	3.918
22	16	11,125	6,898	0.62	3.243	10,625	6,588	0.62	3.479	10,125	6,278	0.62	3.766
22	18	12,000	6,000	0.50	3.327	11,625	5,813	0.50	3.581	10,875	5,438	0.50	3.851
22	20	13,000	4,940	0.38	3.412	12,500	4,750	0.38	3.648	11,750	4,465	0.38	3.918
24	16	11,125	7,788	0.70	3.243	10,625	7,438	0.70	3.479	10,125	7,088	0.70	3.766
24	18	12,000	6,960	0.58	3.327	11,625	6,743	0.58	3.581	10,875	6,308	0.58	3.851
24	20	13,000	5,980	0.46	3.412	12,500	5,750	0.46	3.648	11,750	5,405	0.46	3.918
24	22	14,000	4,760	0.34	3.479	13,500	4,590	0.34	3.750	12,750	4,335	0.34	3.986
26	16	11,125	8,678	0.78	3.243	10,625	8,288	0.78	3.479	10,125	7,898	0.78	3.766
26	18	12,000	7,920	0.66	3.327	11,625	7,673	0.66	3.581	10,875	7,178	0.66	3.851
26	20	13,000	7,020	0.54	3.412	12,500	6,750	0.54	3.648	11,750	6,345	0.54	3.918
26	22	14,000	5,880	0.42	3.479	13,500	5,670	0.42	3.750	12,750	5,355	0.42	3.986
27	16	11,125	9,123	0.82	3.243	10,625	8,713	0.82	3.479	10,125	8,303	0.82	3.766
27	18	12,000	8,400	0.70	3.327	11,625	8,138	0.70	3.581	10,875	7,613	0.70	3.851
27	20	13,000	7,540	0.58	3.412	12,500	7,250	0.58	3.648	11,750	6,815	0.58	3.918
27	22	14,000	6,440	0.46	3.479	13,500	6,210	0.46	3.750	12,750	5,865	0.46	3.986
28	16	11,125	9,568	0.86	3.243	10,625	9,138	0.86	3.479	10,125	8,708	0.86	3.766
28	18	12,000	8,880	0.74	3.327	11,625	8,603	0.74	3.581	10,875	8,048	0.74	3.851
28	20	13,000	8,060	0.62	3.412	12,500	7,750	0.62	3.648	11,750	7,285	0.62	3.918
28	22	14,000	7,000	0.50	3.479	13,500	6,750	0.50	3.750	12,750	6,375	0.50	3.986
30	16	11,125	10,458	0.94	3.243	10,625	9,988	0.94	3.479	10,125	9,518	0.94	3.766
30	18	12,000	9,840	0.82	3.327	11,625	9,533	0.82	3.581	10,875	8,918	0.82	3.851
30	20	13,000	9,100	0.70	3.412	12,500	8,750	0.70	3.648	11,750	8,225	0.70	3.918
30	22	14,000	8,120	0.58	3.479	13,500	7,830	0.58	3.750	12,750	7,395	0.58	3.986
32	16	11,125	11,125	1.00	3.243	10,625	10,625	1.00	3.479	10,125	10,125	1.00	3.766
32	18	12,000	10,800	0.90	3.327	11,625	10,463	0.90	3.581	10,875	9,788	0.90	3.851
32	20	13,000	10,140	0.78	3.412	12,500	9,750	0.78	3.648	11,750	9,165	0.78	3.918
32	22	14,000	9,240	0.66	3.479	13,500	8,910	0.66	3.750	12,750	8,415	0.66	3.986
34	16	11,125	11,125	1.00	3.243	10,625	10,625	1.00	3.479	10,125	10,125	1.00	3.766
34	18	12,000	11,760	0.98	3.327	11,625	11,393	0.98	3.581	10,875	10,658	0.98	3.851
34	20	13,000	11,180	0.86	3.412	12,500	10,750	0.86	3.648	11,750	10,105	0.86	3.918
34	22	14,000	10,360	0.74	3.479	13,500	9,990	0.74	3.750	12,750	9,435	0.74	3.986

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-ZM140EA / PUZ-ZM140VKA PUZ-ZM140YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,266	7,562	0.57	2.978	12,864	7,332	0.57	3.145	12,462	7,103	0.57	3.331
20	18	14,204	6,392	0.45	3.033	13,802	6,211	0.45	3.201	13,333	6,000	0.45	3.424
20	20	15,276	5,041	0.33	3.126	14,941	4,931	0.33	3.275	14,539	4,798	0.33	3.499
22	16	13,266	8,623	0.65	2.978	12,864	8,362	0.65	3.145	12,462	8,100	0.65	3.331
22	18	14,204	7,528	0.53	3.033	13,802	7,315	0.53	3.201	13,333	7,066	0.53	3.424
22	20	15,276	6,263	0.41	3.126	14,941	6,126	0.41	3.275	14,539	5,961	0.41	3.499
24	16	13,266	9,684	0.73	2.978	12,864	9,391	0.73	3.145	12,462	9,097	0.73	3.331
24	18	14,204	8,664	0.61	3.033	13,802	8,419	0.61	3.201	13,333	8,133	0.61	3.424
24	20	15,276	7,485	0.49	3.126	14,941	7,321	0.49	3.275	14,539	7,124	0.49	3.499
24	22	16,281	6,024	0.37	3.201	15,946	5,900	0.37	3.387	15,544	5,751	0.37	3.610
26	16	13,266	10,745	0.81	2.978	12,864	10,420	0.81	3.145	12,462	10,094	0.81	3.331
26	18	14,204	9,801	0.69	3.033	13,802	9,523	0.69	3.201	13,333	9,200	0.69	3.424
26	20	15,276	8,707	0.57	3.126	14,941	8,516	0.57	3.275	14,539	8,287	0.57	3.499
26	22	16,281	7,326	0.45	3.201	15,946	7,176	0.45	3.387	15,544	6,995	0.45	3.610
27	16	13,266	11,276	0.85	2.978	12,864	10,934	0.85	3.145	12,462	10,593	0.85	3.331
27	18	14,204	10,369	0.73	3.033	13,802	10,075	0.73	3.201	13,333	9,733	0.73	3.424
27	20	15,276	9,318	0.61	3.126	14,941	9,114	0.61	3.275	14,539	8,869	0.61	3.499
27	22	16,281	7,978	0.49	3.201	15,946	7,814	0.49	3.387	15,544	7,617	0.49	3.610
28	16	13,266	11,807	0.89	2.978	12,864	11,449	0.89	3.145	12,462	11,091	0.89	3.331
28	18	14,204	10,937	0.77	3.033	13,802	10,628	0.77	3.201	13,333	10,266	0.77	3.424
28	20	15,276	9,929	0.65	3.126	14,941	9,712	0.65	3.275	14,539	9,450	0.65	3.499
28	22	16,281	8,629	0.53	3.201	15,946	8,451	0.53	3.387	15,544	8,238	0.53	3.610
30	16	13,266	12,868	0.97	2.978	12,864	12,478	0.97	3.145	12,462	12,088	0.97	3.331
30	18	14,204	12,073	0.85	3.033	13,802	11,732	0.85	3.201	13,333	11,333	0.85	3.424
30	20	15,276	11,151	0.73	3.126	14,941	10,907	0.73	3.275	14,539	10,613	0.73	3.499
30	22	16,281	9,931	0.61	3.201	15,946	9,727	0.61	3.387	15,544	9,482	0.61	3.610
32	16	13,266	13,266	1.00	2.978	12,864	12,864	1.00	3.145	12,462	12,462	1.00	3.331
32	18	14,204	13,210	0.93	3.033	13,802	12,836	0.93	3.201	13,333	12,400	0.93	3.424
32	20	15,276	12,374	0.81	3.126	14,941	12,102	0.81	3.275	14,539	11,777	0.81	3.499
32	22	16,281	11,234	0.69	3.201	15,946	11,003	0.69	3.387	15,544	10,725	0.69	3.610
34	16	13,266	13,266	1.00	2.978	12,864	12,864	1.00	3.145	12,462	12,462	1.00	3.331
34	18	14,204	14,204	1.00	3.033	13,802	13,802	1.00	3.201	13,333	13,333	1.00	3.424
34	20	15,276	13,596	0.89	3.126	14,941	13,297	0.89	3.275	14,539	12,940	0.89	3.499
34	22	16,281	12,536	0.77	3.201	15,946	12,278	0.77	3.387	15,544	11,969	0.77	3.610

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,926	6,798	0.57	3.573	11,390	6,492	0.57	3.834	10,854	6,187	0.57	4.150
20	18	12,864	5,789	0.45	3.666	12,462	5,608	0.45	3.945	11,658	5,246	0.45	4.243
20	20	13,936	4,599	0.33	3.759	13,400	4,422	0.33	4.020	12,596	4,157	0.33	4.318
22	16	11,926	7,752	0.65	3.573	11,390	7,404	0.65	3.834	10,854	7,055	0.65	4.150
22	18	12,864	6,818	0.53	3.666	12,462	6,605	0.53	3.945	11,658	6,179	0.53	4.243
22	20	13,936	5,714	0.41	3.759	13,400	5,494	0.41	4.020	12,596	5,164	0.41	4.318
24	16	11,926	8,706	0.73	3.573	11,390	8,315	0.73	3.834	10,854	7,923	0.73	4.150
24	18	12,864	7,847	0.61	3.666	12,462	7,602	0.61	3.945	11,658	7,111	0.61	4.243
24	20	13,936	6,829	0.49	3.759	13,400	6,566	0.49	4.020	12,596	6,172	0.49	4.318
24	22	15,008	5,553	0.37	3.834	14,472	5,355	0.37	4.131	13,668	5,057	0.37	4.392
26	16	11,926	9,660	0.81	3.573	11,390	9,226	0.81	3.834	10,854	8,792	0.81	4.150
26	18	12,864	8,876	0.69	3.666	12,462	8,599	0.69	3.945	11,658	8,044	0.69	4.243
26	20	13,936	7,944	0.57	3.759	13,400	7,638	0.57	4.020	12,596	7,180	0.57	4.318
26	22	15,008	6,754	0.45	3.834	14,472	6,512	0.45	4.131	13,668	6,151	0.45	4.392
27	16	11,926	10,137	0.85	3.573	11,390	9,682	0.85	3.834	10,854	9,226	0.85	4.150
27	18	12,864	9,391	0.73	3.666	12,462	9,097	0.73	3.945	11,658	8,510	0.73	4.243
27	20	13,936	8,501	0.61	3.759	13,400	8,174	0.61	4.020	12,596	7,684	0.61	4.318
27	22	15,008	7,354	0.49	3.834	14,472	7,091	0.49	4.131	13,668	6,697	0.49	4.392
28	16	11,926	10,614	0.89	3.573	11,390	10,137	0.89	3.834	10,854	9,660	0.89	4.150
28	18	12,864	9,905	0.77	3.666	12,462	9,596	0.77	3.945	11,658	8,977	0.77	4.243
28	20	13,936	9,058	0.65	3.759	13,400	8,710	0.65	4.020	12,596	8,187	0.65	4.318
28	22	15,008	7,954	0.53	3.834	14,472	7,670	0.53	4.131	13,668	7,244	0.53	4.392
30	16	11,926	11,568	0.97	3.573	11,390	11,048	0.97	3.834	10,854	10,528	0.97	4.150
30	18	12,864	10,934	0.85	3.666	12,462	10,593	0.85	3.945	11,658	9,909	0.85	4.243
30	20	13,936	10,173	0.73	3.759	13,400	9,782	0.73	4.020	12,596	9,195	0.73	4.318
30	22	15,008	9,155	0.61	3.834	14,472	8,828	0.61	4.131	13,668	8,337	0.61	4.392
32	16	11,926	11,926	1.00	3.573	11,390	11,390	1.00	3.834	10,854	10,854	1.00	4.150
32	18	12,864	11,964	0.93	3.666	12,462	11,590	0.93	3.945	11,658	10,842	0.93	4.243
32	20	13,936	11,288	0.81	3.759	13,400	10,854	0.81	4.020	12,596	10,203	0.81	4.318
32	22	15,008	10,356	0.69	3.834	14,472	9,986	0.69	4.131	13,668	9,431	0.69	4.392
34	16	11,926	11,926	1.00	3.573	11,390	11,390	1.00	3.834	10,854	10,854	1.00	4.150
34	18	12,864	12,864	1.00	3.666	12,462	12,462	1.00	3.945	11,658	11,658	1.00	4.243
34	20	13,936	12,403	0.89	3.759	13,400	11,926	0.89	4.020	12,596	11,210	0.89	4.318
34	22	15,008	11,556	0.77	3.834	14,472	11,143	0.77	4.131	13,668	10,524	0.77	4.392

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

HEATING CAPACITY
PLA-ZM·EA / PUZ-ZM·VKA PUZ-ZM·VHA PUZ-ZM·YKA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PLA-ZM35EA	15	2,604	0.484	2,829	0.533	3,157	0.615	4,141	0.738	4,674	0.820	5,207	0.886
	20	2,501	0.525	2,706	0.574	2,993	0.664	3,998	0.795	4,510	0.886	5,023	0.951
	25	2,419	0.558	2,624	0.623	2,870	0.722	3,772	0.845	4,346	0.947	4,838	1.021
PLA-ZM50EA	15	3,810	0.804	4,140	0.886	4,620	1.022	6,060	1.227	6,840	1.363	7,620	1.472
	20	3,660	0.872	3,960	0.954	4,380	1.104	5,850	1.322	6,600	1.472	7,350	1.581
	25	3,540	0.927	3,840	1.036	4,200	1.199	5,520	1.404	6,360	1.574	7,080	1.697
PLA-ZM60EA	15	4,445	1.007	4,830	1.110	5,390	1.280	7,070	1.536	7,980	1.707	8,890	1.844
	20	4,270	1.092	4,620	1.195	5,110	1.383	6,825	1.656	7,700	1.844	8,575	1.980
	25	4,130	1.161	4,480	1.297	4,900	1.502	6,440	1.758	7,420	1.972	8,260	2.125
PLA-ZM71EA	15	5,080	1.073	5,520	1.182	6,160	1.364	8,080	1.636	9,120	1.818	10,160	1.963
	20	4,880	1.164	5,280	1.273	5,840	1.473	7,800	1.763	8,800	1.963	9,800	2.109
	25	4,720	1.236	5,120	1.382	5,600	1.600	7,360	1.873	8,480	2.100	9,440	2.263
PLA-ZM100EA	15	7,112	1.536	7,728	1.693	8,624	1.953	11,312	2.344	12,768	2.604	14,224	2.812
	20	6,832	1.667	7,392	1.823	8,176	2.109	10,920	2.526	12,320	2.812	13,720	3.021
	25	6,608	1.771	7,168	1.979	7,840	2.292	10,304	2.682	11,872	3.008	13,216	3.242
PLA-ZM125EA	15	8,890	2.168	9,660	2.388	10,780	2.756	14,140	3.307	15,960	3.674	17,780	3.968
	20	8,540	2.351	9,240	2.572	10,220	2.976	13,650	3.564	15,400	3.968	17,150	4.262
	25	8,260	2.498	8,960	2.792	9,800	3.233	12,880	3.784	14,840	4.243	16,520	4.574
PLA-ZM140EA	15	10,160	2.544	11,040	2.803	12,320	3.234	16,160	3.881	18,240	4.312	20,320	4.657
	20	9,760	2.760	10,560	3.018	11,680	3.493	15,600	4.183	17,600	4.657	19,600	5.002
	25	9,440	2.932	10,240	3.277	11,200	3.795	14,720	4.441	16,960	4.980	18,880	5.368

COOLING CAPACITY
PLA-M35EA / SUZ-M35VA

Indoor intake air	Indoor intake air	Outdoor intake air DB℃															
		21				25				27				30			
D.B.(℃)	W.B.(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4,230	3,088	0.73	0.720	4,050	2,957	0.73	0.756	3,888	2,838	0.73	0.792	3,744	2,733	0.73	0.828
21	20	4,410	2,690	0.61	0.756	4,230	2,580	0.61	0.801	4,104	2,503	0.61	0.819	3,960	2,416	0.61	0.855
22	18	4,230	3,257	0.77	0.720	4,050	3,119	0.77	0.756	3,888	2,994	0.77	0.792	3,744	2,883	0.77	0.828
22	20	4,410	2,867	0.65	0.756	4,230	2,750	0.65	0.801	4,104	2,668	0.65	0.819	3,960	2,574	0.65	0.855
22	22	4,590	2,433	0.53	0.783	4,428	2,347	0.53	0.833	4,320	2,290	0.53	0.855	4,140	2,194	0.53	0.891
23	18	4,230	3,426	0.81	0.720	4,050	3,281	0.81	0.756	3,888	3,149	0.81	0.792	3,744	3,033	0.81	0.828
23	20	4,410	3,043	0.69	0.756	4,230	2,919	0.69	0.801	4,104	2,832	0.69	0.819	3,960	2,732	0.69	0.855
23	22	4,590	2,616	0.57	0.783	4,428	2,524	0.57	0.833	4,320	2,462	0.57	0.855	4,140	2,360	0.57	0.891
24	18	4,230	3,596	0.85	0.720	4,050	3,443	0.85	0.756	3,888	3,305	0.85	0.792	3,744	3,182	0.85	0.828
24	20	4,410	3,219	0.73	0.756	4,230	3,088	0.73	0.801	4,104	2,996	0.73	0.819	3,960	2,891	0.73	0.855
24	22	4,590	2,800	0.61	0.783	4,428	2,701	0.61	0.833	4,320	2,635	0.61	0.855	4,140	2,525	0.61	0.891
24	24	4,824	2,364	0.49	0.819	4,644	2,276	0.49	0.864	4,536	2,223	0.49	0.891	4,392	2,152	0.49	0.936
25	20	4,410	3,396	0.77	0.756	4,230	3,257	0.77	0.801	4,104	3,160	0.77	0.819	3,960	3,049	0.77	0.855
25	22	4,590	2,984	0.65	0.783	4,428	2,878	0.65	0.833	4,320	2,808	0.65	0.855	4,140	2,691	0.65	0.891
25	24	4,824	2,557	0.53	0.819	4,644	2,461	0.53	0.864	4,536	2,404	0.53	0.891	4,392	2,328	0.53	0.936
26	18	4,230	3,934	0.93	0.720	4,050	3,767	0.93	0.756	3,888	3,616	0.93	0.792	3,744	3,482	0.93	0.828
26	20	4,410	3,572	0.81	0.756	4,230	3,426	0.81	0.801	4,104	3,324	0.81	0.819	3,960	3,208	0.81	0.855
26	22	4,590	3,167	0.69	0.783	4,428	3,055	0.69	0.833	4,320	2,981	0.69	0.855	4,140	2,857	0.69	0.891
26	24	4,824	2,750	0.57	0.819	4,644	2,647	0.57	0.864	4,536	2,586	0.57	0.891	4,392	2,503	0.57	0.936
26	26	4,968	2,236	0.45	0.864	4,824	2,171	0.45	0.909	4,752	2,138	0.45	0.936	4,608	2,074	0.45	0.963
27	18	4,230	4,103	0.97	0.720	4,050	3,929	0.97	0.756	3,888	3,771	0.97	0.792	3,744	3,632	0.97	0.828
27	20	4,410	3,749	0.85	0.756	4,230	3,596	0.85	0.801	4,104	3,488	0.85	0.819	3,960	3,366	0.85	0.855
27	22	4,590	3,351	0.73	0.783	4,428	3,232	0.73	0.833	4,320	3,154	0.73	0.855	4,140	3,022	0.73	0.891
27	24	4,824	2,943	0.61	0.819	4,644	2,833	0.61	0.864	4,536	2,767	0.61	0.891	4,392	2,679	0.61	0.936
27	26	4,968	2,434	0.49	0.864	4,824	2,364	0.49	0.909	4,752	2,328	0.49	0.936	4,608	2,258	0.49	0.963
28	18	4,230	4,272	1.01	0.720	4,050	4,091	1.01	0.756	3,888	3,927	1.01	0.792	3,744	3,781	1.01	0.828
28	20	4,410	3,925	0.89	0.756	4,230	3,765	0.89	0.801	4,104	3,653	0.89	0.819	3,960	3,524	0.89	0.855
28	22	4,590	3,534	0.77	0.783	4,428	3,410	0.77	0.833	4,320	3,326	0.77	0.855	4,140	3,188	0.77	0.891
28	24	4,824	3,136	0.65	0.819	4,644	3,019	0.65	0.864	4,536	2,948	0.65	0.891	4,392	2,855	0.65	0.936
28	26	4,968	2,633	0.53	0.864	4,824	2,557	0.53	0.909	4,752	2,519	0.53	0.936	4,608	2,442	0.53	0.963
29	18	4,230	4,442	1.05	0.720	4,050	4,253	1.05	0.756	3,888	4,082	1.05	0.792	3,744	3,931	1.05	0.828
29	20	4,410	4,101	0.93	0.756	4,230	3,934	0.93	0.801	4,104	3,817	0.93	0.819	3,960	3,683	0.93	0.855
29	22	4,590	3,718	0.81	0.783	4,428	3,587	0.81	0.833	4,320	3,499	0.81	0.855	4,140	3,353	0.81	0.891
29	24	4,824	3,329	0.69	0.819	4,644	3,204	0.69	0.864	4,536	3,130	0.69	0.891	4,392	3,030	0.69	0.936
29	26	4,968	2,832	0.57	0.864	4,824	2,750	0.57	0.909	4,752	2,709	0.57	0.936	4,608	2,627	0.57	0.963
30	18	4,230	4,611	1.09	0.720	4,050	4,415	1.09	0.756	3,888	4,238	1.09	0.792	3,744	4,081	1.09	0.828
30	20	4,410	4,278	0.97	0.756	4,230	4,103	0.97	0.801	4,104	3,981	0.97	0.819	3,960	3,841	0.97	0.855
30	22	4,590	3,902	0.85	0.783	4,428	3,764	0.85	0.833	4,320	3,672	0.85	0.855	4,140	3,519	0.85	0.891
30	24	4,824	3,522	0.73	0.819	4,644	3,390	0.73	0.864	4,536	3,311	0.73	0.891	4,392	3,206	0.73	0.936
30	26	4,968	3,030	0.61	0.864	4,824	2,943	0.61	0.909	4,752	2,899	0.61	0.936	4,608	2,811	0.61	0.963
31	18	4,230	4,780	1.13	0.720	4,050	4,577	1.13	0.756	3,888	4,393	1.13	0.792	3,744	4,231	1.13	0.828
31	20	4,410	4,454	1.01	0.756	4,230	4,272	1.01	0.801	4,104	4,145	1.01	0.819	3,960	4,000	1.01	0.855
31	22	4,590	4,085	0.89	0.783	4,428	3,941	0.89	0.833	4,320	3,845	0.89	0.855	4,140	3,685	0.89	0.891
31	24	4,824	3,714	0.77	0.819	4,644	3,576	0.77	0.864	4,536	3,493	0.77	0.891	4,392	3,382	0.77	0.936
31	26	4,968	3,229	0.65	0.864	4,824	3,136	0.65	0.909	4,752	3,089	0.65	0.936	4,608	2,995	0.65	0.963
32	18	4,230	4,949	1.17	0.720	4,050	4,739	1.17	0.756	3,888	4,549	1.17	0.792	3,744	4,380	1.17	0.828
32	20	4,410	4,631	1.05	0.756	4,230	4,442	1.05	0.801	4,104	4,309	1.05	0.819	3,960	4,158	1.05	0.855
32	22	4,590	4,269	0.93	0.783	4,428	4,118	0.93	0.833	4,320	4,018	0.93	0.855	4,140	3,850	0.93	0.891
32	24	4,824	3,907	0.81	0.819	4,644	3,762	0.81	0.864	4,536	3,674	0.81	0.891	4,392	3,558	0.81	0.936
32	26	4,968	3,428	0.69	0.864	4,824	3,329	0.69	0.909	4,752	3,279	0.69	0.936	4,608	3,180	0.69	0.963

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M35EA / SUZ-M35VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3,528	2,575	0.73	0.882	3,240	2,365	0.73	0.936	2,988	2,181	0.73	0.972
21	20	3,708	2,262	0.61	0.918	3,456	2,108	0.61	0.963	3,204	1,954	0.61	1.017
22	18	3,528	2,717	0.77	0.882	3,240	2,495	0.77	0.936	2,988	2,301	0.77	0.972
22	20	3,708	2,410	0.65	0.918	3,456	2,246	0.65	0.963	3,204	2,083	0.65	1.017
22	22	3,924	2,080	0.53	0.954	3,672	1,946	0.53	1.008	3,420	1,813	0.53	1.044
23	18	3,528	2,858	0.81	0.882	3,240	2,624	0.81	0.936	2,988	2,420	0.81	0.972
23	20	3,708	2,559	0.69	0.918	3,456	2,385	0.69	0.963	3,204	2,211	0.69	1.017
23	22	3,924	2,237	0.57	0.954	3,672	2,093	0.57	1.008	3,420	1,949	0.57	1.044
24	18	3,528	2,999	0.85	0.882	3,240	2,754	0.85	0.936	2,988	2,540	0.85	0.972
24	20	3,708	2,707	0.73	0.918	3,456	2,523	0.73	0.963	3,204	2,339	0.73	1.017
24	22	3,924	2,394	0.61	0.954	3,672	2,240	0.61	1.008	3,420	2,086	0.61	1.044
24	24	4,140	2,029	0.49	0.990	3,888	1,905	0.49	1.035	3,672	1,799	0.49	1.080
25	20	3,708	2,855	0.77	0.918	3,456	2,661	0.77	0.963	3,204	2,467	0.77	1.017
25	22	3,924	2,551	0.65	0.954	3,672	2,387	0.65	1.008	3,420	2,223	0.65	1.044
25	24	4,140	2,194	0.53	0.990	3,888	2,061	0.53	1.035	3,672	1,946	0.53	1.080
26	18	3,528	3,281	0.93	0.882	3,240	3,013	0.93	0.936	2,988	2,779	0.93	0.972
26	20	3,708	3,003	0.81	0.918	3,456	2,799	0.81	0.963	3,204	2,595	0.81	1.017
26	22	3,924	2,708	0.69	0.954	3,672	2,534	0.69	1.008	3,420	2,360	0.69	1.044
26	24	4,140	2,360	0.57	0.990	3,888	2,216	0.57	1.035	3,672	2,093	0.57	1.080
26	26	4,356	1,960	0.45	1.026	4,104	1,847	0.45	1.071	3,852	1,733	0.45	1.116
27	18	3,528	3,422	0.97	0.882	3,240	3,143	0.97	0.936	2,988	2,898	0.97	0.972
27	20	3,708	3,152	0.85	0.918	3,456	2,938	0.85	0.963	3,204	2,723	0.85	1.017
27	22	3,924	2,865	0.73	0.954	3,672	2,681	0.73	1.008	3,420	2,497	0.73	1.044
27	24	4,140	2,525	0.61	0.990	3,888	2,372	0.61	1.035	3,672	2,240	0.61	1.080
27	26	4,356	2,134	0.49	1.026	4,104	2,011	0.49	1.071	3,852	1,887	0.49	1.116
28	18	3,528	3,563	1.01	0.882	3,240	3,272	1.01	0.936	2,988	3,018	1.01	0.972
28	20	3,708	3,300	0.89	0.918	3,456	3,076	0.89	0.963	3,204	2,852	0.89	1.017
28	22	3,924	3,021	0.77	0.954	3,672	2,827	0.77	1.008	3,420	2,633	0.77	1.044
28	24	4,140	2,691	0.65	0.990	3,888	2,527	0.65	1.035	3,672	2,387	0.65	1.080
28	26	4,356	2,309	0.53	1.026	4,104	2,175	0.53	1.071	3,852	2,042	0.53	1.116
29	18	3,528	3,704	1.05	0.882	3,240	3,402	1.05	0.936	2,988	3,137	1.05	0.972
29	20	3,708	3,448	0.93	0.918	3,456	3,214	0.93	0.963	3,204	2,980	0.93	1.017
29	22	3,924	3,178	0.81	0.954	3,672	2,974	0.81	1.008	3,420	2,770	0.81	1.044
29	24	4,140	2,857	0.69	0.990	3,888	2,683	0.69	1.035	3,672	2,534	0.69	1.080
29	26	4,356	2,483	0.57	1.026	4,104	2,339	0.57	1.071	3,852	2,196	0.57	1.116
30	18	3,528	3,846	1.09	0.882	3,240	3,532	1.09	0.936	2,988	3,257	1.09	0.972
30	20	3,708	3,597	0.97	0.918	3,456	3,352	0.97	0.963	3,204	3,108	0.97	1.017
30	22	3,924	3,335	0.85	0.954	3,672	3,121	0.85	1.008	3,420	2,907	0.85	1.044
30	24	4,140	3,022	0.73	0.990	3,888	2,838	0.73	1.035	3,672	2,681	0.73	1.080
30	26	4,356	2,657	0.61	1.026	4,104	2,503	0.61	1.071	3,852	2,350	0.61	1.116
31	18	3,528	3,987	1.13	0.882	3,240	3,661	1.13	0.936	2,988	3,376	1.13	0.972
31	20	3,708	3,745	1.01	0.918	3,456	3,491	1.01	0.963	3,204	3,236	1.01	1.017
31	22	3,924	3,492	0.89	0.954	3,672	3,268	0.89	1.008	3,420	3,044	0.89	1.044
31	24	4,140	3,188	0.77	0.990	3,888	2,994	0.77	1.035	3,672	2,827	0.77	1.080
31	26	4,356	2,831	0.65	1.026	4,104	2,668	0.65	1.071	3,852	2,504	0.65	1.116
32	18	3,528	4,128	1.17	0.882	3,240	3,791	1.17	0.936	2,988	3,496	1.17	0.972
32	20	3,708	3,893	1.05	0.918	3,456	3,629	1.05	0.963	3,204	3,364	1.05	1.017
32	22	3,924	3,649	0.93	0.954	3,672	3,415	0.93	1.008	3,420	3,181	0.93	1.044
32	24	4,140	3,353	0.81	0.990	3,888	3,149	0.81	1.035	3,672	2,974	0.81	1.080
32	26	4,356	3,006	0.69	1.026	4,104	2,832	0.69	1.071	3,852	2,658	0.69	1.116

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M50EA / SUZ-M50VA

Indoor intake air	Indoor intake air	Outdoor intake air DB℃															
		21				25				27				30			
D.B.(℃)	W.B.(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,463	3,813	0.59	1.288	6,188	3,651	0.59	1.352	5,940	3,505	0.59	1.417	5,720	3,375	0.59	1.481
21	20	6,738	3,167	0.47	1.352	6,463	3,037	0.47	1.433	6,270	2,947	0.47	1.465	6,050	2,844	0.47	1.530
22	18	6,463	4,071	0.63	1.288	6,188	3,898	0.63	1.352	5,940	3,742	0.63	1.417	5,720	3,604	0.63	1.481
22	20	6,738	3,436	0.51	1.352	6,463	3,296	0.51	1.433	6,270	3,198	0.51	1.465	6,050	3,086	0.51	1.530
22	22	7,013	2,735	0.39	1.401	6,765	2,638	0.39	1.489	6,600	2,574	0.39	1.530	6,325	2,467	0.39	1.594
23	18	6,463	4,330	0.67	1.288	6,188	4,146	0.67	1.352	5,940	3,980	0.67	1.417	5,720	3,832	0.67	1.481
23	20	6,738	3,706	0.55	1.352	6,463	3,554	0.55	1.433	6,270	3,449	0.55	1.465	6,050	3,328	0.55	1.530
23	22	7,013	3,015	0.43	1.401	6,765	2,909	0.43	1.489	6,600	2,838	0.43	1.530	6,325	2,720	0.43	1.594
24	18	6,463	4,588	0.71	1.288	6,188	4,393	0.71	1.352	5,940	4,217	0.71	1.417	5,720	4,061	0.71	1.481
24	20	6,738	3,975	0.59	1.352	6,463	3,813	0.59	1.433	6,270	3,699	0.59	1.465	6,050	3,570	0.59	1.530
24	22	7,013	3,296	0.47	1.401	6,765	3,180	0.47	1.489	6,600	3,102	0.47	1.530	6,325	2,973	0.47	1.594
24	24	7,370	2,580	0.35	1.465	7,095	2,483	0.35	1.546	6,930	2,426	0.35	1.594	6,710	2,349	0.35	1.674
25	20	6,738	4,245	0.63	1.352	6,463	4,071	0.63	1.433	6,270	3,950	0.63	1.465	6,050	3,812	0.63	1.530
25	22	7,013	3,576	0.51	1.401	6,765	3,450	0.51	1.489	6,600	3,366	0.51	1.530	6,325	3,226	0.51	1.594
25	24	7,370	2,874	0.39	1.465	7,095	2,767	0.39	1.546	6,930	2,703	0.39	1.594	6,710	2,617	0.39	1.674
26	18	6,463	5,105	0.79	1.288	6,188	4,888	0.79	1.352	5,940	4,693	0.79	1.417	5,720	4,519	0.79	1.481
26	20	6,738	4,514	0.67	1.352	6,463	4,330	0.67	1.433	6,270	4,201	0.67	1.465	6,050	4,054	0.67	1.530
26	22	7,013	3,857	0.55	1.401	6,765	3,721	0.55	1.489	6,600	3,630	0.55	1.530	6,325	3,479	0.55	1.594
26	24	7,370	3,169	0.43	1.465	7,095	3,051	0.43	1.546	6,930	2,980	0.43	1.594	6,710	2,885	0.43	1.674
26	26	7,590	2,353	0.31	1.546	7,370	2,285	0.31	1.626	7,260	2,251	0.31	1.674	7,040	2,182	0.31	1.723
27	18	6,463	5,364	0.83	1.288	6,188	5,136	0.83	1.352	5,940	4,930	0.83	1.417	5,720	4,748	0.83	1.481
27	20	6,738	4,784	0.71	1.352	6,463	4,588	0.71	1.433	6,270	4,452	0.71	1.465	6,050	4,296	0.71	1.530
27	22	7,013	4,137	0.59	1.401	6,765	3,991	0.59	1.489	6,600	3,894	0.59	1.530	6,325	3,732	0.59	1.594
27	24	7,370	3,464	0.47	1.465	7,095	3,335	0.47	1.546	6,930	3,257	0.47	1.594	6,710	3,154	0.47	1.674
27	26	7,590	2,657	0.35	1.546	7,370	2,580	0.35	1.626	7,260	2,541	0.35	1.674	7,040	2,464	0.35	1.723
28	18	6,463	5,622	0.87	1.288	6,188	5,383	0.87	1.352	5,940	5,168	0.87	1.417	5,720	4,976	0.87	1.481
28	20	6,738	5,053	0.75	1.352	6,463	4,847	0.75	1.433	6,270	4,703	0.75	1.465	6,050	4,538	0.75	1.530
28	22	7,013	4,418	0.63	1.401	6,765	4,262	0.63	1.489	6,600	4,158	0.63	1.530	6,325	3,985	0.63	1.594
28	24	7,370	3,759	0.51	1.465	7,095	3,618	0.51	1.546	6,930	3,534	0.51	1.594	6,710	3,422	0.51	1.674
28	26	7,590	2,960	0.39	1.546	7,370	2,874	0.39	1.626	7,260	2,831	0.39	1.674	7,040	2,746	0.39	1.723
29	18	6,463	5,881	0.91	1.288	6,188	5,631	0.91	1.352	5,940	5,405	0.91	1.417	5,720	5,205	0.91	1.481
29	20	6,738	5,323	0.79	1.352	6,463	5,105	0.79	1.433	6,270	4,953	0.79	1.465	6,050	4,780	0.79	1.530
29	22	7,013	4,698	0.67	1.401	6,765	4,533	0.67	1.489	6,600	4,422	0.67	1.530	6,325	4,238	0.67	1.594
29	24	7,370	4,054	0.55	1.465	7,095	3,902	0.55	1.546	6,930	3,812	0.55	1.594	6,710	3,691	0.55	1.674
29	26	7,590	3,264	0.43	1.546	7,370	3,169	0.43	1.626	7,260	3,122	0.43	1.674	7,040	3,027	0.43	1.723
30	18	6,463	6,139	0.95	1.288	6,188	5,878	0.95	1.352	5,940	5,643	0.95	1.417	5,720	5,434	0.95	1.481
30	20	6,738	5,592	0.83	1.352	6,463	5,364	0.83	1.433	6,270	5,204	0.83	1.465	6,050	5,022	0.83	1.530
30	22	7,013	4,979	0.71	1.401	6,765	4,803	0.71	1.489	6,600	4,686	0.71	1.530	6,325	4,491	0.71	1.594
30	24	7,370	4,348	0.59	1.465	7,095	4,186	0.59	1.546	6,930	4,089	0.59	1.594	6,710	3,959	0.59	1.674
30	26	7,590	3,567	0.47	1.546	7,370	3,464	0.47	1.626	7,260	3,412	0.47	1.674	7,040	3,309	0.47	1.723
31	18	6,463	6,398	0.99	1.288	6,188	6,126	0.99	1.352	5,940	5,881	0.99	1.417	5,720	5,663	0.99	1.481
31	20	6,738	5,862	0.87	1.352	6,463	5,622	0.87	1.433	6,270	5,455	0.87	1.465	6,050	5,264	0.87	1.530
31	22	7,013	5,259	0.75	1.401	6,765	5,074	0.75	1.489	6,600	4,950	0.75	1.530	6,325	4,744	0.75	1.594
31	24	7,370	4,643	0.63	1.465	7,095	4,470	0.63	1.546	6,930	4,366	0.63	1.594	6,710	4,227	0.63	1.674
31	26	7,590	3,871	0.51	1.546	7,370	3,759	0.51	1.626	7,260	3,703	0.51	1.674	7,040	3,590	0.51	1.723
32	18	6,463	6,656	1.03	1.288	6,188	6,373	1.03	1.352	5,940	6,118	1.03	1.417	5,720	5,892	1.03	1.481
32	20	6,738	6,131	0.91	1.352	6,463	5,881	0.91	1.433	6,270	5,706	0.91	1.465	6,050	5,506	0.91	1.530
32	22	7,013	5,540	0.79	1.401	6,765	5,344	0.79	1.489	6,600	5,214	0.79	1.530	6,325	4,997	0.79	1.594
32	24	7,370	4,938	0.67	1.465	7,095	4,754	0.67	1.546	6,930	4,643	0.67	1.594	6,710	4,496	0.67	1.674
32	26	7,590	4,175	0.55	1.546	7,370	4,054	0.55	1.626	7,260	3,993	0.55	1.674	7,040	3,872	0.55	1.723

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M50EA / SUZ-M50VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5,390	3,180	0.59	1.578	4,950	2,921	0.59	1.674	4,565	2,693	0.59	1.739
21	20	5,665	2,663	0.47	1.642	5,280	2,482	0.47	1.723	4,895	2,301	0.47	1.819
22	18	5,390	3,396	0.63	1.578	4,950	3,119	0.63	1.674	4,565	2,876	0.63	1.739
22	20	5,665	2,889	0.51	1.642	5,280	2,693	0.51	1.723	4,895	2,496	0.51	1.819
22	22	5,995	2,338	0.39	1.707	5,610	2,188	0.39	1.803	5,225	2,038	0.39	1.868
23	18	5,390	3,611	0.67	1.578	4,950	3,317	0.67	1.674	4,565	3,059	0.67	1.739
23	20	5,665	3,116	0.55	1.642	5,280	2,904	0.55	1.723	4,895	2,692	0.55	1.819
23	22	5,995	2,578	0.43	1.707	5,610	2,412	0.43	1.803	5,225	2,247	0.43	1.868
24	18	5,390	3,827	0.71	1.578	4,950	3,515	0.71	1.674	4,565	3,241	0.71	1.739
24	20	5,665	3,342	0.59	1.642	5,280	3,115	0.59	1.723	4,895	2,888	0.59	1.819
24	22	5,995	2,818	0.47	1.707	5,610	2,637	0.47	1.803	5,225	2,456	0.47	1.868
24	24	6,325	2,214	0.35	1.771	5,940	2,079	0.35	1.852	5,610	1,964	0.35	1.932
25	20	5,665	3,569	0.63	1.642	5,280	3,326	0.63	1.723	4,895	3,084	0.63	1.819
25	22	5,995	3,057	0.51	1.707	5,610	2,861	0.51	1.803	5,225	2,665	0.51	1.868
25	24	6,325	2,467	0.39	1.771	5,940	2,317	0.39	1.852	5,610	2,188	0.39	1.932
26	18	5,390	4,258	0.79	1.578	4,950	3,911	0.79	1.674	4,565	3,606	0.79	1.739
26	20	5,665	3,796	0.67	1.642	5,280	3,538	0.67	1.723	4,895	3,280	0.67	1.819
26	22	5,995	3,297	0.55	1.707	5,610	3,086	0.55	1.803	5,225	2,874	0.55	1.868
26	24	6,325	2,720	0.43	1.771	5,940	2,554	0.43	1.852	5,610	2,412	0.43	1.932
26	26	6,655	2,063	0.31	1.835	6,270	1,944	0.31	1.916	5,885	1,824	0.31	1.996
27	18	5,390	4,474	0.83	1.578	4,950	4,109	0.83	1.674	4,565	3,789	0.83	1.739
27	20	5,665	4,022	0.71	1.642	5,280	3,749	0.71	1.723	4,895	3,475	0.71	1.819
27	22	5,995	3,537	0.59	1.707	5,610	3,310	0.59	1.803	5,225	3,083	0.59	1.868
27	24	6,325	2,973	0.47	1.771	5,940	2,792	0.47	1.852	5,610	2,637	0.47	1.932
27	26	6,655	2,329	0.35	1.835	6,270	2,195	0.35	1.916	5,885	2,060	0.35	1.996
28	18	5,390	4,689	0.87	1.578	4,950	4,307	0.87	1.674	4,565	3,972	0.87	1.739
28	20	5,665	4,249	0.75	1.642	5,280	3,960	0.75	1.723	4,895	3,671	0.75	1.819
28	22	5,995	3,777	0.63	1.707	5,610	3,534	0.63	1.803	5,225	3,292	0.63	1.868
28	24	6,325	3,226	0.51	1.771	5,940	3,029	0.51	1.852	5,610	2,861	0.51	1.932
28	26	6,655	2,595	0.39	1.835	6,270	2,445	0.39	1.916	5,885	2,295	0.39	1.996
29	18	5,390	4,905	0.91	1.578	4,950	4,505	0.91	1.674	4,565	4,154	0.91	1.739
29	20	5,665	4,475	0.79	1.642	5,280	4,171	0.79	1.723	4,895	3,867	0.79	1.819
29	22	5,995	4,017	0.67	1.707	5,610	3,759	0.67	1.803	5,225	3,501	0.67	1.868
29	24	6,325	3,479	0.55	1.771	5,940	3,267	0.55	1.852	5,610	3,086	0.55	1.932
29	26	6,655	2,862	0.43	1.835	6,270	2,696	0.43	1.916	5,885	2,531	0.43	1.996
30	18	5,390	5,121	0.95	1.578	4,950	4,703	0.95	1.674	4,565	4,337	0.95	1.739
30	20	5,665	4,702	0.83	1.642	5,280	4,382	0.83	1.723	4,895	4,063	0.83	1.819
30	22	5,995	4,256	0.71	1.707	5,610	3,983	0.71	1.803	5,225	3,710	0.71	1.868
30	24	6,325	3,732	0.59	1.771	5,940	3,505	0.59	1.852	5,610	3,310	0.59	1.932
30	26	6,655	3,128	0.47	1.835	6,270	2,947	0.47	1.916	5,885	2,766	0.47	1.996
31	18	5,390	5,336	0.99	1.578	4,950	4,901	0.99	1.674	4,565	4,519	0.99	1.739
31	20	5,665	4,929	0.87	1.642	5,280	4,594	0.87	1.723	4,895	4,259	0.87	1.819
31	22	5,995	4,496	0.75	1.707	5,610	4,208	0.75	1.803	5,225	3,919	0.75	1.868
31	24	6,325	3,985	0.63	1.771	5,940	3,742	0.63	1.852	5,610	3,534	0.63	1.932
31	26	6,655	3,394	0.51	1.835	6,270	3,198	0.51	1.916	5,885	3,001	0.51	1.996
32	18	5,390	5,552	1.03	1.578	4,950	5,099	1.03	1.674	4,565	4,702	1.03	1.739
32	20	5,665	5,155	0.91	1.642	5,280	4,805	0.91	1.723	4,895	4,454	0.91	1.819
32	22	5,995	4,736	0.79	1.707	5,610	4,432	0.79	1.803	5,225	4,128	0.79	1.868
32	24	6,325	4,238	0.67	1.771	5,940	3,980	0.67	1.852	5,610	3,759	0.67	1.932
32	26	6,655	3,660	0.55	1.835	6,270	3,449	0.55	1.916	5,885	3,237	0.55	1.996

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M60EA / SUZ-M60VA

Indoor intake air	Indoor intake air	Outdoor intake air DB℃															
		21				25				27				30			
D.B.(℃)	W.B.(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	7,168	4,372	0.61	1.472	6,863	4,186	0.61	1.546	6,588	4,019	0.61	1.619	6,344	3,870	0.61	1.693
21	20	7,473	3,662	0.49	1.546	7,168	3,512	0.49	1.638	6,954	3,407	0.49	1.674	6,710	3,288	0.49	1.748
22	18	7,168	4,659	0.65	1.472	6,863	4,461	0.65	1.546	6,588	4,282	0.65	1.619	6,344	4,124	0.65	1.693
22	20	7,473	3,960	0.53	1.546	7,168	3,799	0.53	1.638	6,954	3,686	0.53	1.674	6,710	3,556	0.53	1.748
22	22	7,778	3,189	0.41	1.601	7,503	3,076	0.41	1.702	7,320	3,001	0.41	1.748	7,015	2,876	0.41	1.822
23	18	7,168	4,946	0.69	1.472	6,863	4,735	0.69	1.546	6,588	4,546	0.69	1.619	6,344	4,377	0.69	1.693
23	20	7,473	4,259	0.57	1.546	7,168	4,085	0.57	1.638	6,954	3,964	0.57	1.674	6,710	3,825	0.57	1.748
23	22	7,778	3,500	0.45	1.601	7,503	3,376	0.45	1.702	7,320	3,294	0.45	1.748	7,015	3,157	0.45	1.822
24	18	7,168	5,232	0.73	1.472	6,863	5,010	0.73	1.546	6,588	4,809	0.73	1.619	6,344	4,631	0.73	1.693
24	20	7,473	4,558	0.61	1.546	7,168	4,372	0.61	1.638	6,954	4,242	0.61	1.674	6,710	4,093	0.61	1.748
24	22	7,778	3,811	0.49	1.601	7,503	3,676	0.49	1.702	7,320	3,587	0.49	1.748	7,015	3,437	0.49	1.822
24	24	8,174	3,024	0.37	1.674	7,869	2,912	0.37	1.766	7,686	2,844	0.37	1.822	7,442	2,754	0.37	1.914
25	20	7,473	4,857	0.65	1.546	7,168	4,659	0.65	1.638	6,954	4,520	0.65	1.674	6,710	4,362	0.65	1.748
25	22	7,778	4,122	0.53	1.601	7,503	3,977	0.53	1.702	7,320	3,880	0.53	1.748	7,015	3,718	0.53	1.822
25	24	8,174	3,351	0.41	1.674	7,869	3,226	0.41	1.766	7,686	3,151	0.41	1.822	7,442	3,051	0.41	1.914
26	18	7,168	5,806	0.81	1.472	6,863	5,559	0.81	1.546	6,588	5,336	0.81	1.619	6,344	5,139	0.81	1.693
26	20	7,473	5,156	0.69	1.546	7,168	4,946	0.69	1.638	6,954	4,798	0.69	1.674	6,710	4,630	0.69	1.748
26	22	7,778	4,433	0.57	1.601	7,503	4,277	0.57	1.702	7,320	4,172	0.57	1.748	7,015	3,999	0.57	1.822
26	24	8,174	3,678	0.45	1.674	7,869	3,541	0.45	1.766	7,686	3,459	0.45	1.822	7,442	3,349	0.45	1.914
26	26	8,418	2,778	0.33	1.766	8,174	2,697	0.33	1.858	8,052	2,657	0.33	1.914	7,808	2,577	0.33	1.969
27	18	7,168	6,092	0.85	1.472	6,863	5,833	0.85	1.546	6,588	5,600	0.85	1.619	6,344	5,392	0.85	1.693
27	20	7,473	5,455	0.73	1.546	7,168	5,232	0.73	1.638	6,954	5,076	0.73	1.674	6,710	4,898	0.73	1.748
27	22	7,778	4,744	0.61	1.601	7,503	4,577	0.61	1.702	7,320	4,465	0.61	1.748	7,015	4,279	0.61	1.822
27	24	8,174	4,005	0.49	1.674	7,869	3,856	0.49	1.766	7,686	3,766	0.49	1.822	7,442	3,647	0.49	1.914
27	26	8,418	3,115	0.37	1.766	8,174	3,024	0.37	1.858	8,052	2,979	0.37	1.914	7,808	2,889	0.37	1.969
28	18	7,168	6,379	0.89	1.472	6,863	6,108	0.89	1.546	6,588	5,863	0.89	1.619	6,344	5,646	0.89	1.693
28	20	7,473	5,754	0.77	1.546	7,168	5,519	0.77	1.638	6,954	5,355	0.77	1.674	6,710	5,167	0.77	1.748
28	22	7,778	5,055	0.65	1.601	7,503	4,877	0.65	1.702	7,320	4,758	0.65	1.748	7,015	4,560	0.65	1.822
28	24	8,174	4,332	0.53	1.674	7,869	4,171	0.53	1.766	7,686	4,074	0.53	1.822	7,442	3,944	0.53	1.914
28	26	8,418	3,451	0.41	1.766	8,174	3,351	0.41	1.858	8,052	3,301	0.41	1.914	7,808	3,201	0.41	1.969
29	18	7,168	6,666	0.93	1.472	6,863	6,382	0.93	1.546	6,588	6,127	0.93	1.619	6,344	5,900	0.93	1.693
29	20	7,473	6,053	0.81	1.546	7,168	5,806	0.81	1.638	6,954	5,633	0.81	1.674	6,710	5,435	0.81	1.748
29	22	7,778	5,366	0.69	1.601	7,503	5,177	0.69	1.702	7,320	5,051	0.69	1.748	7,015	4,840	0.69	1.822
29	24	8,174	4,659	0.57	1.674	7,869	4,485	0.57	1.766	7,686	4,381	0.57	1.822	7,442	4,242	0.57	1.914
29	26	8,418	3,788	0.45	1.766	8,174	3,678	0.45	1.858	8,052	3,623	0.45	1.914	7,808	3,514	0.45	1.969
30	18	7,168	6,952	0.97	1.472	6,863	6,657	0.97	1.546	6,588	6,390	0.97	1.619	6,344	6,154	0.97	1.693
30	20	7,473	6,352	0.85	1.546	7,168	6,092	0.85	1.638	6,954	5,911	0.85	1.674	6,710	5,704	0.85	1.748
30	22	7,778	5,678	0.73	1.601	7,503	5,477	0.73	1.702	7,320	5,344	0.73	1.748	7,015	5,121	0.73	1.822
30	24	8,174	4,986	0.61	1.674	7,869	4,800	0.61	1.766	7,686	4,688	0.61	1.822	7,442	4,540	0.61	1.914
30	26	8,418	4,125	0.49	1.766	8,174	4,005	0.49	1.858	8,052	3,945	0.49	1.914	7,808	3,826	0.49	1.969
31	18	7,168	7,239	1.01	1.472	6,863	6,931	1.01	1.546	6,588	6,654	1.01	1.619	6,344	6,407	1.01	1.693
31	20	7,473	6,651	0.89	1.546	7,168	6,379	0.89	1.638	6,954	6,189	0.89	1.674	6,710	5,972	0.89	1.748
31	22	7,778	5,989	0.77	1.601	7,503	5,777	0.77	1.702	7,320	5,636	0.77	1.748	7,015	5,402	0.77	1.822
31	24	8,174	5,313	0.65	1.674	7,869	5,115	0.65	1.766	7,686	4,996	0.65	1.822	7,442	4,837	0.65	1.914
31	26	8,418	4,462	0.53	1.766	8,174	4,332	0.53	1.858	8,052	4,268	0.53	1.914	7,808	4,138	0.53	1.969
32	18	7,168	7,526	1.05	1.472	6,863	7,206	1.05	1.546	6,588	6,917	1.05	1.619	6,344	6,661	1.05	1.693
32	20	7,473	6,949	0.93	1.546	7,168	6,666	0.93	1.638	6,954	6,467	0.93	1.674	6,710	6,240	0.93	1.748
32	22	7,778	6,300	0.81	1.601	7,503	6,077	0.81	1.702	7,320	5,929	0.81	1.748	7,015	5,682	0.81	1.822
32	24	8,174	5,640	0.69	1.674	7,869	5,430	0.69	1.766	7,686	5,303	0.69	1.822	7,442	5,135	0.69	1.914
32	26	8,418	4,798	0.57	1.766	8,174	4,659	0.57	1.858	8,052	4,590	0.57	1.914	7,808	4,451	0.57	1.969

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M60EA / SUZ-M60VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5,978	3,647	0.61	1.803	5,490	3,349	0.61	1.914	5,063	3,088	0.61	1.987
21	20	6,283	3,079	0.49	1.877	5,856	2,869	0.49	1.969	5,429	2,660	0.49	2.079
22	18	5,978	3,886	0.65	1.803	5,490	3,569	0.65	1.914	5,063	3,291	0.65	1.987
22	20	6,283	3,330	0.53	1.877	5,856	3,104	0.53	1.969	5,429	2,877	0.53	2.079
22	22	6,649	2,726	0.41	1.950	6,222	2,551	0.41	2.061	5,795	2,376	0.41	2.134
23	18	5,978	4,125	0.69	1.803	5,490	3,788	0.69	1.914	5,063	3,493	0.69	1.987
23	20	6,283	3,581	0.57	1.877	5,856	3,338	0.57	1.969	5,429	3,095	0.57	2.079
23	22	6,649	2,992	0.45	1.950	6,222	2,800	0.45	2.061	5,795	2,608	0.45	2.134
24	18	5,978	4,364	0.73	1.803	5,490	4,008	0.73	1.914	5,063	3,696	0.73	1.987
24	20	6,283	3,833	0.61	1.877	5,856	3,572	0.61	1.969	5,429	3,312	0.61	2.079
24	22	6,649	3,258	0.49	1.950	6,222	3,049	0.49	2.061	5,795	2,840	0.49	2.134
24	24	7,015	2,596	0.37	2.024	6,588	2,438	0.37	2.116	6,222	2,302	0.37	2.208
25	20	6,283	4,084	0.65	1.877	5,856	3,806	0.65	1.969	5,429	3,529	0.65	2.079
25	22	6,649	3,524	0.53	1.950	6,222	3,298	0.53	2.061	5,795	3,071	0.53	2.134
25	24	7,015	2,876	0.41	2.024	6,588	2,701	0.41	2.116	6,222	2,551	0.41	2.208
26	18	5,978	4,842	0.81	1.803	5,490	4,447	0.81	1.914	5,063	4,101	0.81	1.987
26	20	6,283	4,335	0.69	1.877	5,856	4,041	0.69	1.969	5,429	3,746	0.69	2.079
26	22	6,649	3,790	0.57	1.950	6,222	3,547	0.57	2.061	5,795	3,303	0.57	2.134
26	24	7,015	3,157	0.45	2.024	6,588	2,965	0.45	2.116	6,222	2,800	0.45	2.208
26	26	7,381	2,436	0.33	2.098	6,954	2,295	0.33	2.190	6,527	2,154	0.33	2.282
27	18	5,978	5,081	0.85	1.803	5,490	4,667	0.85	1.914	5,063	4,304	0.85	1.987
27	20	6,283	4,587	0.73	1.877	5,856	4,275	0.73	1.969	5,429	3,963	0.73	2.079
27	22	6,649	4,056	0.61	1.950	6,222	3,795	0.61	2.061	5,795	3,535	0.61	2.134
27	24	7,015	3,437	0.49	2.024	6,588	3,228	0.49	2.116	6,222	3,049	0.49	2.208
27	26	7,381	2,731	0.37	2.098	6,954	2,573	0.37	2.190	6,527	2,415	0.37	2.282
28	18	5,978	5,320	0.89	1.803	5,490	4,886	0.89	1.914	5,063	4,506	0.89	1.987
28	20	6,283	4,838	0.77	1.877	5,856	4,509	0.77	1.969	5,429	4,180	0.77	2.079
28	22	6,649	4,322	0.65	1.950	6,222	4,044	0.65	2.061	5,795	3,767	0.65	2.134
28	24	7,015	3,718	0.53	2.024	6,588	3,492	0.53	2.116	6,222	3,298	0.53	2.208
28	26	7,381	3,026	0.41	2.098	6,954	2,851	0.41	2.190	6,527	2,676	0.41	2.282
29	18	5,978	5,560	0.93	1.803	5,490	5,106	0.93	1.914	5,063	4,709	0.93	1.987
29	20	6,283	5,089	0.81	1.877	5,856	4,743	0.81	1.969	5,429	4,397	0.81	2.079
29	22	6,649	4,588	0.69	1.950	6,222	4,293	0.69	2.061	5,795	3,999	0.69	2.134
29	24	7,015	3,999	0.57	2.024	6,588	3,755	0.57	2.116	6,222	3,547	0.57	2.208
29	26	7,381	3,321	0.45	2.098	6,954	3,129	0.45	2.190	6,527	2,937	0.45	2.282
30	18	5,978	5,799	0.97	1.803	5,490	5,325	0.97	1.914	5,063	4,911	0.97	1.987
30	20	6,283	5,341	0.85	1.877	5,856	4,978	0.85	1.969	5,429	4,615	0.85	2.079
30	22	6,649	4,854	0.73	1.950	6,222	4,542	0.73	2.061	5,795	4,230	0.73	2.134
30	24	7,015	4,279	0.61	2.024	6,588	4,019	0.61	2.116	6,222	3,795	0.61	2.208
30	26	7,381	3,617	0.49	2.098	6,954	3,407	0.49	2.190	6,527	3,198	0.49	2.282
31	18	5,978	6,038	1.01	1.803	5,490	5,545	1.01	1.914	5,063	5,114	1.01	1.987
31	20	6,283	5,592	0.89	1.877	5,856	5,212	0.89	1.969	5,429	4,832	0.89	2.079
31	22	6,649	5,120	0.77	1.950	6,222	4,791	0.77	2.061	5,795	4,462	0.77	2.134
31	24	7,015	4,560	0.65	2.024	6,588	4,282	0.65	2.116	6,222	4,044	0.65	2.208
31	26	7,381	3,912	0.53	2.098	6,954	3,686	0.53	2.190	6,527	3,459	0.53	2.282
32	18	5,978	6,277	1.05	1.803	5,490	5,765	1.05	1.914	5,063	5,316	1.05	1.987
32	20	6,283	5,843	0.93	1.877	5,856	5,446	0.93	1.969	5,429	5,049	0.93	2.079
32	22	6,649	5,386	0.81	1.950	6,222	5,040	0.81	2.061	5,795	4,694	0.81	2.134
32	24	7,015	4,840	0.69	2.024	6,588	4,546	0.69	2.116	6,222	4,293	0.69	2.208
32	26	7,381	4,207	0.57	2.098	6,954	3,964	0.57	2.190	6,527	3,720	0.57	2.282

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M71EA / SUZ-M71VA

Indoor intake air	Indoor intake air	Outdoor intake air DB℃															
		21				25				27				30			
D.B.(℃)	W.B.(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8,343	4,672	0.56	1.528	7,988	4,473	0.56	1.604	7,668	4,294	0.56	1.681	7,384	4,135	0.56	1.757
21	20	8,698	3,827	0.44	1.604	8,343	3,671	0.44	1.700	8,094	3,561	0.44	1.738	7,810	3,436	0.44	1.815
22	18	8,343	5,006	0.60	1.528	7,988	4,793	0.60	1.604	7,668	4,601	0.60	1.681	7,384	4,430	0.60	1.757
22	20	8,698	4,175	0.48	1.604	8,343	4,004	0.48	1.700	8,094	3,885	0.48	1.738	7,810	3,749	0.48	1.815
22	22	9,053	3,259	0.36	1.662	8,733	3,144	0.36	1.767	8,520	3,067	0.36	1.815	8,165	2,939	0.36	1.891
23	18	8,343	5,339	0.64	1.528	7,988	5,112	0.64	1.604	7,668	4,908	0.64	1.681	7,384	4,726	0.64	1.757
23	20	8,698	4,523	0.52	1.604	8,343	4,338	0.52	1.700	8,094	4,209	0.52	1.738	7,810	4,061	0.52	1.815
23	22	9,053	3,621	0.40	1.662	8,733	3,493	0.40	1.767	8,520	3,408	0.40	1.815	8,165	3,266	0.40	1.891
24	18	8,343	5,673	0.68	1.528	7,988	5,432	0.68	1.604	7,668	5,214	0.68	1.681	7,384	5,021	0.68	1.757
24	20	8,698	4,871	0.56	1.604	8,343	4,672	0.56	1.700	8,094	4,533	0.56	1.738	7,810	4,374	0.56	1.815
24	22	9,053	3,983	0.44	1.662	8,733	3,843	0.44	1.767	8,520	3,749	0.44	1.815	8,165	3,593	0.44	1.891
24	24	9,514	3,044	0.32	1.738	9,159	2,931	0.32	1.834	8,946	2,863	0.32	1.891	8,662	2,772	0.32	1.986
25	20	8,698	5,219	0.60	1.604	8,343	5,006	0.60	1.700	8,094	4,856	0.60	1.738	7,810	4,686	0.60	1.815
25	22	9,053	4,345	0.48	1.662	8,733	4,192	0.48	1.767	8,520	4,090	0.48	1.815	8,165	3,919	0.48	1.891
25	24	9,514	3,425	0.36	1.738	9,159	3,297	0.36	1.834	8,946	3,221	0.36	1.891	8,662	3,118	0.36	1.986
26	18	8,343	6,340	0.76	1.528	7,988	6,071	0.76	1.604	7,668	5,828	0.76	1.681	7,384	5,612	0.76	1.757
26	20	8,698	5,566	0.64	1.604	8,343	5,339	0.64	1.700	8,094	5,180	0.64	1.738	7,810	4,998	0.64	1.815
26	22	9,053	4,707	0.52	1.662	8,733	4,541	0.52	1.767	8,520	4,430	0.52	1.815	8,165	4,246	0.52	1.891
26	24	9,514	3,806	0.40	1.738	9,159	3,664	0.40	1.834	8,946	3,578	0.40	1.891	8,662	3,465	0.40	1.986
26	26	9,798	2,743	0.28	1.834	9,514	2,664	0.28	1.929	9,372	2,624	0.28	1.986	9,088	2,545	0.28	2.044
27	18	8,343	6,674	0.80	1.528	7,988	6,390	0.80	1.604	7,668	6,134	0.80	1.681	7,384	5,907	0.80	1.757
27	20	8,698	5,914	0.68	1.604	8,343	5,673	0.68	1.700	8,094	5,504	0.68	1.738	7,810	5,311	0.68	1.815
27	22	9,053	5,069	0.56	1.662	8,733	4,890	0.56	1.767	8,520	4,771	0.56	1.815	8,165	4,572	0.56	1.891
27	24	9,514	4,186	0.44	1.738	9,159	4,030	0.44	1.834	8,946	3,936	0.44	1.891	8,662	3,811	0.44	1.986
27	26	9,798	3,135	0.32	1.834	9,514	3,044	0.32	1.929	9,372	2,999	0.32	1.986	9,088	2,908	0.32	2.044
28	18	8,343	7,008	0.84	1.528	7,988	6,710	0.84	1.604	7,668	6,441	0.84	1.681	7,384	6,203	0.84	1.757
28	20	8,698	6,262	0.72	1.604	8,343	6,007	0.72	1.700	8,094	5,828	0.72	1.738	7,810	5,623	0.72	1.815
28	22	9,053	5,432	0.60	1.662	8,733	5,240	0.60	1.767	8,520	5,112	0.60	1.815	8,165	4,899	0.60	1.891
28	24	9,514	4,567	0.48	1.738	9,159	4,396	0.48	1.834	8,946	4,294	0.48	1.891	8,662	4,158	0.48	1.986
28	26	9,798	3,527	0.36	1.834	9,514	3,425	0.36	1.929	9,372	3,374	0.36	1.986	9,088	3,272	0.36	2.044
29	18	8,343	7,341	0.88	1.528	7,988	7,029	0.88	1.604	7,668	6,748	0.88	1.681	7,384	6,498	0.88	1.757
29	20	8,698	6,610	0.76	1.604	8,343	6,340	0.76	1.700	8,094	6,151	0.76	1.738	7,810	5,936	0.76	1.815
29	22	9,053	5,794	0.64	1.662	8,733	5,589	0.64	1.767	8,520	5,453	0.64	1.815	8,165	5,226	0.64	1.891
29	24	9,514	4,947	0.52	1.738	9,159	4,763	0.52	1.834	8,946	4,652	0.52	1.891	8,662	4,504	0.52	1.986
29	26	9,798	3,919	0.40	1.834	9,514	3,806	0.40	1.929	9,372	3,749	0.40	1.986	9,088	3,635	0.40	2.044
30	18	8,343	7,675	0.92	1.528	7,988	7,349	0.92	1.604	7,668	7,055	0.92	1.681	7,384	6,793	0.92	1.757
30	20	8,698	6,958	0.80	1.604	8,343	6,674	0.80	1.700	8,094	6,475	0.80	1.738	7,810	6,248	0.80	1.815
30	22	9,053	6,156	0.68	1.662	8,733	5,938	0.68	1.767	8,520	5,794	0.68	1.815	8,165	5,552	0.68	1.891
30	24	9,514	5,328	0.56	1.738	9,159	5,129	0.56	1.834	8,946	5,010	0.56	1.891	8,662	4,851	0.56	1.986
30	26	9,798	4,311	0.44	1.834	9,514	4,186	0.44	1.929	9,372	4,124	0.44	1.986	9,088	3,999	0.44	2.044
31	18	8,343	8,009	0.96	1.528	7,988	7,668	0.96	1.604	7,668	7,361	0.96	1.681	7,384	7,089	0.96	1.757
31	20	8,698	7,306	0.84	1.604	8,343	7,008	0.84	1.700	8,094	6,799	0.84	1.738	7,810	6,560	0.84	1.815
31	22	9,053	6,518	0.72	1.662	8,733	6,288	0.72	1.767	8,520	6,134	0.72	1.815	8,165	5,879	0.72	1.891
31	24	9,514	5,708	0.60	1.738	9,159	5,495	0.60	1.834	8,946	5,368	0.60	1.891	8,662	5,197	0.60	1.986
31	26	9,798	4,703	0.48	1.834	9,514	4,567	0.48	1.929	9,372	4,499	0.48	1.986	9,088	4,362	0.48	2.044
32	18	8,343	8,343	1.00	1.528	7,988	7,988	1.00	1.604	7,668	7,668	1.00	1.681	7,384	7,384	1.00	1.757
32	20	8,698	7,654	0.88	1.604	8,343	7,341	0.88	1.700	8,094	7,123	0.88	1.738	7,810	6,873	0.88	1.815
32	22	9,053	6,880	0.76	1.662	8,733	6,637	0.76	1.767	8,520	6,475	0.76	1.815	8,165	6,205	0.76	1.891
32	24	9,514	6,089	0.64	1.738	9,159	5,862	0.64	1.834	8,946	5,725	0.64	1.891	8,662	5,544	0.64	1.986
32	26	9,798	5,095	0.52	1.834	9,514	4,947	0.52	1.929	9,372	4,873	0.52	1.986	9,088	4,726	0.52	2.044

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M71EA / SUZ-M71VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,958	3,896	0.56	1.872	6,390	3,578	0.56	1.986	5,893	3,300	0.56	2.063
21	20	7,313	3,218	0.44	1.948	6,816	2,999	0.44	2.044	6,319	2,780	0.44	2.158
22	18	6,958	4,175	0.60	1.872	6,390	3,834	0.60	1.986	5,893	3,536	0.60	2.063
22	20	7,313	3,510	0.48	1.948	6,816	3,272	0.48	2.044	6,319	3,033	0.48	2.158
22	22	7,739	2,786	0.36	2.025	7,242	2,607	0.36	2.139	6,745	2,428	0.36	2.216
23	18	6,958	4,453	0.64	1.872	6,390	4,090	0.64	1.986	5,893	3,772	0.64	2.063
23	20	7,313	3,803	0.52	1.948	6,816	3,544	0.52	2.044	6,319	3,286	0.52	2.158
23	22	7,739	3,096	0.40	2.025	7,242	2,897	0.40	2.139	6,745	2,698	0.40	2.216
24	18	6,958	4,731	0.68	1.872	6,390	4,345	0.68	1.986	5,893	4,007	0.68	2.063
24	20	7,313	4,095	0.56	1.948	6,816	3,817	0.56	2.044	6,319	3,539	0.56	2.158
24	22	7,739	3,405	0.44	2.025	7,242	3,186	0.44	2.139	6,745	2,968	0.44	2.216
24	24	8,165	2,613	0.32	2.101	7,668	2,454	0.32	2.197	7,242	2,317	0.32	2.292
25	20	7,313	4,388	0.60	1.948	6,816	4,090	0.60	2.044	6,319	3,791	0.60	2.158
25	22	7,739	3,715	0.48	2.025	7,242	3,476	0.48	2.139	6,745	3,238	0.48	2.216
25	24	8,165	2,939	0.36	2.101	7,668	2,760	0.36	2.197	7,242	2,607	0.36	2.292
26	18	6,958	5,288	0.76	1.872	6,390	4,856	0.76	1.986	5,893	4,479	0.76	2.063
26	20	7,313	4,680	0.64	1.948	6,816	4,362	0.64	2.044	6,319	4,044	0.64	2.158
26	22	7,739	4,024	0.52	2.025	7,242	3,766	0.52	2.139	6,745	3,507	0.52	2.216
26	24	8,165	3,266	0.40	2.101	7,668	3,067	0.40	2.197	7,242	2,897	0.40	2.292
26	26	8,591	2,405	0.28	2.177	8,094	2,266	0.28	2.273	7,597	2,127	0.28	2.368
27	18	6,958	5,566	0.80	1.872	6,390	5,112	0.80	1.986	5,893	4,714	0.80	2.063
27	20	7,313	4,973	0.68	1.948	6,816	4,635	0.68	2.044	6,319	4,297	0.68	2.158
27	22	7,739	4,334	0.56	2.025	7,242	4,056	0.56	2.139	6,745	3,777	0.56	2.216
27	24	8,165	3,593	0.44	2.101	7,668	3,374	0.44	2.197	7,242	3,186	0.44	2.292
27	26	8,591	2,749	0.32	2.177	8,094	2,590	0.32	2.273	7,597	2,431	0.32	2.368
28	18	6,958	5,845	0.84	1.872	6,390	5,368	0.84	1.986	5,893	4,950	0.84	2.063
28	20	7,313	5,265	0.72	1.948	6,816	4,908	0.72	2.044	6,319	4,550	0.72	2.158
28	22	7,739	4,643	0.60	2.025	7,242	4,345	0.60	2.139	6,745	4,047	0.60	2.216
28	24	8,165	3,919	0.48	2.101	7,668	3,681	0.48	2.197	7,242	3,476	0.48	2.292
28	26	8,591	3,093	0.36	2.177	8,094	2,914	0.36	2.273	7,597	2,735	0.36	2.368
29	18	6,958	6,123	0.88	1.872	6,390	5,623	0.88	1.986	5,893	5,186	0.88	2.063
29	20	7,313	5,558	0.76	1.948	6,816	5,180	0.76	2.044	6,319	4,802	0.76	2.158
29	22	7,739	4,953	0.64	2.025	7,242	4,635	0.64	2.139	6,745	4,317	0.64	2.216
29	24	8,165	4,246	0.52	2.101	7,668	3,987	0.52	2.197	7,242	3,766	0.52	2.292
29	26	8,591	3,436	0.40	2.177	8,094	3,238	0.40	2.273	7,597	3,039	0.40	2.368
30	18	6,958	6,401	0.92	1.872	6,390	5,879	0.92	1.986	5,893	5,422	0.92	2.063
30	20	7,313	5,850	0.80	1.948	6,816	5,453	0.80	2.044	6,319	5,055	0.80	2.158
30	22	7,739	5,263	0.68	2.025	7,242	4,925	0.68	2.139	6,745	4,587	0.68	2.216
30	24	8,165	4,572	0.56	2.101	7,668	4,294	0.56	2.197	7,242	4,056	0.56	2.292
30	26	8,591	3,780	0.44	2.177	8,094	3,561	0.44	2.273	7,597	3,343	0.44	2.368
31	18	6,958	6,680	0.96	1.872	6,390	6,134	0.96	1.986	5,893	5,657	0.96	2.063
31	20	7,313	6,143	0.84	1.948	6,816	5,725	0.84	2.044	6,319	5,308	0.84	2.158
31	22	7,739	5,572	0.72	2.025	7,242	5,214	0.72	2.139	6,745	4,856	0.72	2.216
31	24	8,165	4,899	0.60	2.101	7,668	4,601	0.60	2.197	7,242	4,345	0.60	2.292
31	26	8,591	4,124	0.48	2.177	8,094	3,885	0.48	2.273	7,597	3,647	0.48	2.368
32	18	6,958	6,958	1.00	1.872	6,390	6,390	1.00	1.986	5,893	5,893	1.00	2.063
32	20	7,313	6,435	0.88	1.948	6,816	5,998	0.88	2.044	6,319	5,561	0.88	2.158
32	22	7,739	5,882	0.76	2.025	7,242	5,504	0.76	2.139	6,745	5,126	0.76	2.216
32	24	8,165	5,226	0.64	2.101	7,668	4,908	0.64	2.197	7,242	4,635	0.64	2.292
32	26	8,591	4,467	0.52	2.177	8,094	4,209	0.52	2.273	7,597	3,950	0.52	2.368

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M100EA / PUZ-M100VKA PUZ-M100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	6,301	0.67	2.17	9,120	6,110	0.67	2.29	8,835	5,919	0.67	2.43
20	18	10,070	5,539	0.55	2.21	9,785	5,382	0.55	2.33	9,453	5,199	0.55	2.49
20	20	10,830	4,657	0.43	2.28	10,593	4,555	0.43	2.38	10,308	4,432	0.43	2.55
22	16	9,405	7,054	0.75	2.17	9,120	6,840	0.75	2.29	8,835	6,626	0.75	2.43
22	18	10,070	6,344	0.63	2.21	9,785	6,165	0.63	2.33	9,453	5,955	0.63	2.49
22	20	10,830	5,523	0.51	2.28	10,593	5,402	0.51	2.38	10,308	5,257	0.51	2.55
24	16	9,405	7,806	0.83	2.17	9,120	7,570	0.83	2.29	8,835	7,333	0.83	2.43
24	18	10,070	7,150	0.71	2.21	9,785	6,947	0.71	2.33	9,453	6,711	0.71	2.49
24	20	10,830	6,390	0.59	2.28	10,593	6,250	0.59	2.38	10,308	6,081	0.59	2.55
24	22	11,543	5,425	0.47	2.33	11,305	5,313	0.47	2.47	11,020	5,179	0.47	2.63
26	16	9,405	8,559	0.91	2.17	9,120	8,299	0.91	2.29	8,835	8,040	0.91	2.43
26	18	10,070	7,955	0.79	2.21	9,785	7,730	0.79	2.33	9,453	7,467	0.79	2.49
26	20	10,830	7,256	0.67	2.28	10,593	7,097	0.67	2.38	10,308	6,906	0.67	2.55
26	22	11,543	6,348	0.55	2.33	11,305	6,218	0.55	2.47	11,020	6,061	0.55	2.63
27	16	9,405	8,935	0.95	2.17	9,120	8,664	0.95	2.29	8,835	8,393	0.95	2.43
27	18	10,070	8,358	0.83	2.21	9,785	8,122	0.83	2.33	9,453	7,846	0.83	2.49
27	20	10,830	7,689	0.71	2.28	10,593	7,521	0.71	2.38	10,308	7,318	0.71	2.55
27	22	11,543	6,810	0.59	2.33	11,305	6,670	0.59	2.47	11,020	6,502	0.59	2.63
28	16	9,405	9,311	0.99	2.17	9,120	9,029	0.99	2.29	8,835	8,747	0.99	2.43
28	18	10,070	8,761	0.87	2.21	9,785	8,513	0.87	2.33	9,453	8,224	0.87	2.49
28	20	10,830	8,123	0.75	2.28	10,593	7,944	0.75	2.38	10,308	7,731	0.75	2.55
28	22	11,543	7,272	0.63	2.33	11,305	7,122	0.63	2.47	11,020	6,943	0.63	2.63
30	16	9,405	9,405	1.00	2.17	9,120	9,120	1.00	2.29	8,835	8,835	1.00	2.43
30	18	10,070	9,567	0.95	2.21	9,785	9,296	0.95	2.33	9,453	8,980	0.95	2.49
30	20	10,830	8,989	0.83	2.28	10,593	8,792	0.83	2.38	10,308	8,555	0.83	2.55
30	22	11,543	8,195	0.71	2.33	11,305	8,027	0.71	2.47	11,020	7,824	0.71	2.63
32	16	9,405	9,405	1.00	2.17	9,120	9,120	1.00	2.29	8,835	8,835	1.00	2.43
32	18	10,070	10,070	1.00	2.21	9,785	9,785	1.00	2.33	9,453	9,453	1.00	2.49
32	20	10,830	9,855	0.91	2.28	10,593	9,639	0.91	2.38	10,308	9,380	0.91	2.55
32	22	11,543	9,119	0.79	2.33	11,305	8,931	0.79	2.47	11,020	8,706	0.79	2.63
34	16	9,405	9,405	1.00	2.17	9,120	9,120	1.00	2.29	8,835	8,835	1.00	2.43
34	18	10,070	10,070	1.00	2.21	9,785	9,785	1.00	2.33	9,453	9,453	1.00	2.49
34	20	10,830	10,722	0.99	2.28	10,593	10,487	0.99	2.38	10,308	10,204	0.99	2.55
34	22	11,543	10,042	0.87	2.33	11,305	9,835	0.87	2.47	11,020	9,587	0.87	2.63

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	5,665	0.67	2.60	8,075	5,410	0.67	2.79	7,695	5,156	0.67	3.02
20	18	9,120	5,016	0.55	2.67	8,835	4,859	0.55	2.87	8,265	4,546	0.55	3.09
20	20	9,880	4,248	0.43	2.74	9,500	4,085	0.43	2.93	8,930	3,840	0.43	3.14
22	16	8,455	6,341	0.75	2.60	8,075	6,056	0.75	2.79	7,695	5,771	0.75	3.02
22	18	9,120	5,746	0.63	2.67	8,835	5,566	0.63	2.87	8,265	5,207	0.63	3.09
22	20	9,880	5,039	0.51	2.74	9,500	4,845	0.51	2.93	8,930	4,554	0.51	3.14
24	16	8,455	7,018	0.83	2.60	8,075	6,702	0.83	2.79	7,695	6,387	0.83	3.02
24	18	9,120	6,475	0.71	2.67	8,835	6,273	0.71	2.87	8,265	5,868	0.71	3.09
24	20	9,880	5,829	0.59	2.74	9,500	5,605	0.59	2.93	8,930	5,269	0.59	3.14
24	22	10,640	5,001	0.47	2.79	10,260	4,822	0.47	3.01	9,690	4,554	0.47	3.20
26	16	8,455	7,694	0.91	2.60	8,075	7,348	0.91	2.79	7,695	7,002	0.91	3.02
26	18	9,120	7,205	0.79	2.67	8,835	6,980	0.79	2.87	8,265	6,529	0.79	3.09
26	20	9,880	6,620	0.67	2.74	9,500	6,365	0.67	2.93	8,930	5,983	0.67	3.14
26	22	10,640	5,852	0.55	2.79	10,260	5,643	0.55	3.01	9,690	5,330	0.55	3.20
27	16	8,455	8,032	0.95	2.60	8,075	7,671	0.95	2.79	7,695	7,310	0.95	3.02
27	18	9,120	7,570	0.83	2.67	8,835	7,333	0.83	2.87	8,265	6,860	0.83	3.09
27	20	9,880	7,015	0.71	2.74	9,500	6,745	0.71	2.93	8,930	6,340	0.71	3.14
27	22	10,640	6,278	0.59	2.79	10,260	6,053	0.59	3.01	9,690	5,717	0.59	3.20
28	16	8,455	8,370	0.99	2.60	8,075	7,994	0.99	2.79	7,695	7,618	0.99	3.02
28	18	9,120	7,934	0.87	2.67	8,835	7,686	0.87	2.87	8,265	7,191	0.87	3.09
28	20	9,880	7,410	0.75	2.74	9,500	7,125	0.75	2.93	8,930	6,698	0.75	3.14
28	22	10,640	6,703	0.63	2.79	10,260	6,464	0.63	3.01	9,690	6,105	0.63	3.20
30	16	8,455	8,455	1.00	2.60	8,075	8,075	1.00	2.79	7,695	7,695	1.00	3.02
30	18	9,120	8,664	0.95	2.67	8,835	8,393	0.95	2.87	8,265	7,852	0.95	3.09
30	20	9,880	8,200	0.83	2.74	9,500	7,885	0.83	2.93	8,930	7,412	0.83	3.14
30	22	10,640	7,554	0.71	2.79	10,260	7,285	0.71	3.01	9,690	6,880	0.71	3.20
32	16	8,455	8,455	1.00	2.60	8,075	8,075	1.00	2.79	7,695	7,695	1.00	3.02
32	18	9,120	9,120	1.00	2.67	8,835	8,835	1.00	2.87	8,265	8,265	1.00	3.09
32	20	9,880	8,991	0.91	2.74	9,500	8,645	0.91	2.93	8,930	8,126	0.91	3.14
32	22	10,640	8,406	0.79	2.79	10,260	8,105	0.79	3.01	9,690	7,655	0.79	3.20
34	16	8,455	8,455	1.00	2.60	8,075	8,075	1.00	2.79	7,695	7,695	1.00	3.02
34	18	9,120	9,120	1.00	2.67	8,835	8,835	1.00	2.87	8,265	8,265	1.00	3.09
34	20	9,880	9,781	0.99	2.74	9,500	9,405	0.99	2.93	8,930	8,841	0.99	3.14
34	22	10,640	9,257	0.87	2.79	10,260	8,926	0.87	3.01	9,690	8,430	0.87	3.20

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M125EA / PUZ-M125VKA PUZ-M125YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	11,979	7,427	0.62	3.21	11,616	7,202	0.62	3.39	11,253	6,977	0.62	3.59
20	18	12,826	6,413	0.50	3.27	12,463	6,232	0.50	3.45	12,040	6,020	0.50	3.69
20	20	13,794	5,242	0.38	3.37	13,492	5,127	0.38	3.53	13,129	4,989	0.38	3.77
22	16	11,979	8,385	0.70	3.21	11,616	8,131	0.70	3.39	11,253	7,877	0.70	3.59
22	18	12,826	7,439	0.58	3.27	12,463	7,229	0.58	3.45	12,040	6,983	0.58	3.69
22	20	13,794	6,345	0.46	3.37	13,492	6,206	0.46	3.53	13,129	6,039	0.46	3.77
24	16	11,979	9,344	0.78	3.21	11,616	9,060	0.78	3.39	11,253	8,777	0.78	3.59
24	18	12,826	8,465	0.66	3.27	12,463	8,226	0.66	3.45	12,040	7,946	0.66	3.69
24	20	13,794	7,449	0.54	3.37	13,492	7,285	0.54	3.53	13,129	7,089	0.54	3.77
24	22	14,702	6,175	0.42	3.45	14,399	6,048	0.42	3.65	14,036	5,895	0.42	3.89
26	16	11,979	10,302	0.86	3.21	11,616	9,990	0.86	3.39	11,253	9,678	0.86	3.59
26	18	12,826	9,491	0.74	3.27	12,463	9,223	0.74	3.45	12,040	8,909	0.74	3.69
26	20	13,794	8,552	0.62	3.37	13,492	8,365	0.62	3.53	13,129	8,140	0.62	3.77
26	22	14,702	7,351	0.50	3.45	14,399	7,200	0.50	3.65	14,036	7,018	0.50	3.89
27	16	11,979	10,781	0.90	3.21	11,616	10,454	0.90	3.39	11,253	10,128	0.90	3.59
27	18	12,826	10,004	0.78	3.27	12,463	9,721	0.78	3.45	12,040	9,391	0.78	3.69
27	20	13,794	9,104	0.66	3.37	13,492	8,904	0.66	3.53	13,129	8,665	0.66	3.77
27	22	14,702	7,939	0.54	3.45	14,399	7,775	0.54	3.65	14,036	7,579	0.54	3.89
28	16	11,979	11,260	0.94	3.21	11,616	10,919	0.94	3.39	11,253	10,578	0.94	3.59
28	18	12,826	10,517	0.82	3.27	12,463	10,220	0.82	3.45	12,040	9,872	0.82	3.69
28	20	13,794	9,656	0.70	3.37	13,492	9,444	0.70	3.53	13,129	9,190	0.70	3.77
28	22	14,702	8,527	0.58	3.45	14,399	8,351	0.58	3.65	14,036	8,141	0.58	3.89
30	16	11,979	11,979	1.00	3.21	11,616	11,616	1.00	3.39	11,253	11,253	1.00	3.59
30	18	12,826	11,543	0.90	3.27	12,463	11,217	0.90	3.45	12,040	10,836	0.90	3.69
30	20	13,794	10,759	0.78	3.37	13,492	10,523	0.78	3.53	13,129	10,240	0.78	3.77
30	22	14,702	9,703	0.66	3.45	14,399	9,503	0.66	3.65	14,036	9,264	0.66	3.89
32	16	11,979	11,979	1.00	3.21	11,616	11,616	1.00	3.39	11,253	11,253	1.00	3.59
32	18	12,826	12,569	0.98	3.27	12,463	12,214	0.98	3.45	12,040	11,799	0.98	3.69
32	20	13,794	11,863	0.86	3.37	13,492	11,603	0.86	3.53	13,129	11,291	0.86	3.77
32	22	14,702	10,879	0.74	3.45	14,399	10,655	0.74	3.65	14,036	10,387	0.74	3.89
34	16	11,979	11,979	1.00	3.21	11,616	11,616	1.00	3.39	11,253	11,253	1.00	3.59
34	18	12,826	12,826	1.00	3.27	12,463	12,463	1.00	3.45	12,040	12,040	1.00	3.69
34	20	13,794	12,966	0.94	3.37	13,492	12,682	0.94	3.53	13,129	12,341	0.94	3.77
34	22	14,702	12,055	0.82	3.45	14,399	11,807	0.82	3.65	14,036	11,510	0.82	3.89

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	10,769	6,677	0.62	3.85	10,285	6,377	0.62	4.13	9,801	6,077	0.62	4.47
20	18	11,616	5,808	0.50	3.95	11,253	5,627	0.50	4.25	10,527	5,264	0.50	4.57
20	20	12,584	4,782	0.38	4.05	12,100	4,598	0.38	4.33	11,374	4,322	0.38	4.65
22	16	10,769	7,538	0.70	3.85	10,285	7,200	0.70	4.13	9,801	6,861	0.70	4.47
22	18	11,616	6,737	0.58	3.95	11,253	6,527	0.58	4.25	10,527	6,106	0.58	4.57
22	20	12,584	5,789	0.46	4.05	12,100	5,566	0.46	4.33	11,374	5,232	0.46	4.65
24	16	10,769	8,400	0.78	3.85	10,285	8,022	0.78	4.13	9,801	7,645	0.78	4.47
24	18	11,616	7,667	0.66	3.95	11,253	7,427	0.66	4.25	10,527	6,948	0.66	4.57
24	20	12,584	6,795	0.54	4.05	12,100	6,534	0.54	4.33	11,374	6,142	0.54	4.65
24	22	13,552	5,692	0.42	4.13	13,068	5,489	0.42	4.45	12,342	5,184	0.42	4.73
26	16	10,769	9,261	0.86	3.85	10,285	8,845	0.86	4.13	9,801	8,429	0.86	4.47
26	18	11,616	8,596	0.74	3.95	11,253	8,327	0.74	4.25	10,527	7,790	0.74	4.57
26	20	12,584	7,802	0.62	4.05	12,100	7,502	0.62	4.33	11,374	7,052	0.62	4.65
26	22	13,552	6,776	0.50	4.13	13,068	6,534	0.50	4.45	12,342	6,171	0.50	4.73
27	16	10,769	9,692	0.90	3.85	10,285	9,257	0.90	4.13	9,801	8,821	0.90	4.47
27	18	11,616	9,060	0.78	3.95	11,253	8,777	0.78	4.25	10,527	8,211	0.78	4.57
27	20	12,584	8,305	0.66	4.05	12,100	7,986	0.66	4.33	11,374	7,507	0.66	4.65
27	22	13,552	7,318	0.54	4.13	13,068	7,057	0.54	4.45	12,342	6,665	0.54	4.73
28	16	10,769	10,123	0.94	3.85	10,285	9,668	0.94	4.13	9,801	9,213	0.94	4.47
28	18	11,616	9,525	0.82	3.95	11,253	9,227	0.82	4.25	10,527	8,632	0.82	4.57
28	20	12,584	8,809	0.70	4.05	12,100	8,470	0.70	4.33	11,374	7,962	0.70	4.65
28	22	13,552	7,860	0.58	4.13	13,068	7,579	0.58	4.45	12,342	7,158	0.58	4.73
30	16	10,769	10,769	1.00	3.85	10,285	10,285	1.00	4.13	9,801	9,801	1.00	4.47
30	18	11,616	10,454	0.90	3.95	11,253	10,128	0.90	4.25	10,527	9,474	0.90	4.57
30	20	12,584	9,816	0.78	4.05	12,100	9,438	0.78	4.33	11,374	8,872	0.78	4.65
30	22	13,552	8,944	0.66	4.13	13,068	8,625	0.66	4.45	12,342	8,146	0.66	4.73
32	16	10,769	10,769	1.00	3.85	10,285	10,285	1.00	4.13	9,801	9,801	1.00	4.47
32	18	11,616	11,384	0.98	3.95	11,253	11,028	0.98	4.25	10,527	10,316	0.98	4.57
32	20	12,584	10,822	0.86	4.05	12,100	10,406	0.86	4.33	11,374	9,782	0.86	4.65
32	22	13,552	10,028	0.74	4.13	13,068	9,670	0.74	4.45	12,342	9,133	0.74	4.73
34	16	10,769	10,769	1.00	3.85	10,285	10,285	1.00	4.13	9,801	9,801	1.00	4.47
34	18	11,616	11,616	1.00	3.95	11,253	11,253	1.00	4.25	10,527	10,527	1.00	4.57
34	20	12,584	11,829	0.94	4.05	12,100	11,374	0.94	4.33	11,374	10,692	0.94	4.65
34	22	13,552	11,113	0.82	4.13	13,068	10,716	0.82	4.45	12,342	10,120	0.82	4.73

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M140EA / PUZ-M140VKA PUZ-M140YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,266	7,960	0.60	3.97	12,864	7,718	0.60	4.19	12,462	7,477	0.60	4.44
20	18	14,204	6,818	0.48	4.04	13,802	6,625	0.48	4.27	13,333	6,400	0.48	4.56
20	20	15,276	5,499	0.36	4.17	14,941	5,379	0.36	4.36	14,539	5,234	0.36	4.66
22	16	13,266	9,021	0.68	3.97	12,864	8,748	0.68	4.19	12,462	8,474	0.68	4.44
22	18	14,204	7,954	0.56	4.04	13,802	7,729	0.56	4.27	13,333	7,466	0.56	4.56
22	20	15,276	6,721	0.44	4.17	14,941	6,574	0.44	4.36	14,539	6,397	0.44	4.66
24	16	13,266	10,082	0.76	3.97	12,864	9,777	0.76	4.19	12,462	9,471	0.76	4.44
24	18	14,204	9,091	0.64	4.04	13,802	8,833	0.64	4.27	13,333	8,533	0.64	4.56
24	20	15,276	7,944	0.52	4.17	14,941	7,769	0.52	4.36	14,539	7,560	0.52	4.66
24	22	16,281	6,512	0.40	4.27	15,946	6,378	0.40	4.51	15,544	6,218	0.40	4.81
26	16	13,266	11,143	0.84	3.97	12,864	10,806	0.84	4.19	12,462	10,468	0.84	4.44
26	18	14,204	10,227	0.72	4.04	13,802	9,937	0.72	4.27	13,333	9,600	0.72	4.56
26	20	15,276	9,166	0.60	4.17	14,941	8,965	0.60	4.36	14,539	8,723	0.60	4.66
26	22	16,281	7,815	0.48	4.27	15,946	7,654	0.48	4.51	15,544	7,461	0.48	4.81
27	16	13,266	11,674	0.88	3.97	12,864	11,320	0.88	4.19	12,462	10,967	0.88	4.44
27	18	14,204	10,795	0.76	4.04	13,802	10,490	0.76	4.27	13,333	10,133	0.76	4.56
27	20	15,276	9,777	0.64	4.17	14,941	9,562	0.64	4.36	14,539	9,305	0.64	4.66
27	22	16,281	8,466	0.52	4.27	15,946	8,292	0.52	4.51	15,544	8,083	0.52	4.81
28	16	13,266	12,205	0.92	3.97	12,864	11,835	0.92	4.19	12,462	11,465	0.92	4.44
28	18	14,204	11,363	0.80	4.04	13,802	11,042	0.80	4.27	13,333	10,666	0.80	4.56
28	20	15,276	10,388	0.68	4.17	14,941	10,160	0.68	4.36	14,539	9,887	0.68	4.66
28	22	16,281	9,117	0.56	4.27	15,946	8,930	0.56	4.51	15,544	8,705	0.56	4.81
30	16	13,266	13,266	1.00	3.97	12,864	12,864	1.00	4.19	12,462	12,462	1.00	4.44
30	18	14,204	12,500	0.88	4.04	13,802	12,146	0.88	4.27	13,333	11,733	0.88	4.56
30	20	15,276	11,610	0.76	4.17	14,941	11,355	0.76	4.36	14,539	11,050	0.76	4.66
30	22	16,281	10,420	0.64	4.27	15,946	10,205	0.64	4.51	15,544	9,948	0.64	4.81
32	16	13,266	13,266	1.00	3.97	12,864	12,864	1.00	4.19	12,462	12,462	1.00	4.44
32	18	14,204	13,636	0.96	4.04	13,802	13,250	0.96	4.27	13,333	12,800	0.96	4.56
32	20	15,276	12,832	0.84	4.17	14,941	12,550	0.84	4.36	14,539	12,213	0.84	4.66
32	22	16,281	11,722	0.72	4.27	15,946	11,481	0.72	4.51	15,544	11,192	0.72	4.81
34	16	13,266	13,266	1.00	3.97	12,864	12,864	1.00	4.19	12,462	12,462	1.00	4.44
34	18	14,204	14,204	1.00	4.04	13,802	13,802	1.00	4.27	13,333	13,333	1.00	4.56
34	20	15,276	14,054	0.92	4.17	14,941	13,746	0.92	4.36	14,539	13,376	0.92	4.66
34	22	16,281	13,025	0.80	4.27	15,946	12,757	0.80	4.51	15,544	12,435	0.80	4.81

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,926	7,156	0.60	4.76	11,390	6,834	0.60	5.11	10,854	6,512	0.60	5.53
20	18	12,864	6,175	0.48	4.89	12,462	5,982	0.48	5.26	11,658	5,596	0.48	5.65
20	20	13,936	5,017	0.36	5.01	13,400	4,824	0.36	5.36	12,596	4,535	0.36	5.75
22	16	11,926	8,110	0.68	4.76	11,390	7,745	0.68	5.11	10,854	7,381	0.68	5.53
22	18	12,864	7,204	0.56	4.89	12,462	6,979	0.56	5.26	11,658	6,528	0.56	5.65
22	20	13,936	6,132	0.44	5.01	13,400	5,896	0.44	5.36	12,596	5,542	0.44	5.75
24	16	11,926	9,064	0.76	4.76	11,390	8,656	0.76	5.11	10,854	8,249	0.76	5.53
24	18	12,864	8,233	0.64	4.89	12,462	7,976	0.64	5.26	11,658	7,461	0.64	5.65
24	20	13,936	7,247	0.52	5.01	13,400	6,968	0.52	5.36	12,596	6,550	0.52	5.75
24	22	15,008	6,003	0.40	5.11	14,472	5,789	0.40	5.51	13,668	5,467	0.40	5.85
26	16	11,926	10,018	0.84	4.76	11,390	9,568	0.84	5.11	10,854	9,117	0.84	5.53
26	18	12,864	9,262	0.72	4.89	12,462	8,973	0.72	5.26	11,658	8,394	0.72	5.65
26	20	13,936	8,362	0.60	5.01	13,400	8,040	0.60	5.36	12,596	7,558	0.60	5.75
26	22	15,008	7,204	0.48	5.11	14,472	6,947	0.48	5.51	13,668	6,561	0.48	5.85
27	16	11,926	10,495	0.88	4.76	11,390	10,023	0.88	5.11	10,854	9,552	0.88	5.53
27	18	12,864	9,777	0.76	4.89	12,462	9,471	0.76	5.26	11,658	8,860	0.76	5.65
27	20	13,936	8,919	0.64	5.01	13,400	8,576	0.64	5.36	12,596	8,061	0.64	5.75
27	22	15,008	7,804	0.52	5.11	14,472	7,525	0.52	5.51	13,668	7,107	0.52	5.85
28	16	11,926	10,972	0.92	4.76	11,390	10,479	0.92	5.11	10,854	9,986	0.92	5.53
28	18	12,864	10,291	0.80	4.89	12,462	9,970	0.80	5.26	11,658	9,326	0.80	5.65
28	20	13,936	9,476	0.68	5.01	13,400	9,112	0.68	5.36	12,596	8,565	0.68	5.75
28	22	15,008	8,404	0.56	5.11	14,472	8,104	0.56	5.51	13,668	7,654	0.56	5.85
30	16	11,926	11,926	1.00	4.76	11,390	11,390	1.00	5.11	10,854	10,854	1.00	5.53
30	18	12,864	11,320	0.88	4.89	12,462	10,967	0.88	5.26	11,658	10,259	0.88	5.65
30	20	13,936	10,591	0.76	5.01	13,400	10,184	0.76	5.36	12,596	9,573	0.76	5.75
30	22	15,008	9,605	0.64	5.11	14,472	9,262	0.64	5.51	13,668	8,748	0.64	5.85
32	16	11,926	11,926	1.00	4.76	11,390	11,390	1.00	5.11	10,854	10,854	1.00	5.53
32	18	12,864	12,349	0.96	4.89	12,462	11,964	0.96	5.26	11,658	11,192	0.96	5.65
32	20	13,936	11,706	0.84	5.01	13,400	11,256	0.84	5.36	12,596	10,581	0.84	5.75
32	22	15,008	10,806	0.72	5.11	14,472	10,420	0.72	5.51	13,668	9,841	0.72	5.85
34	16	11,926	11,926	1.00	4.76	11,390	11,390	1.00	5.11	10,854	10,854	1.00	5.53
34	18	12,864	12,864	1.00	4.89	12,462	12,462	1.00	5.26	11,658	11,658	1.00	5.65
34	20	13,936	12,821	0.92	5.01	13,400	12,328	0.92	5.36	12,596	11,588	0.92	5.75
34	22	15,008	12,006	0.80	5.11	14,472	11,578	0.80	5.51	13,668	10,934	0.80	5.85

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-SM71EA / SUZ-SM71VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8,343	4,755	0.57	1.576	7,988	4,553	0.57	1.655	7,668	4,371	0.57	1.734	7,384	4,209	0.57	1.812
21	20	8,698	3,914	0.45	1.655	8,343	3,754	0.45	1.753	8,094	3,642	0.45	1.793	7,810	3,515	0.45	1.872
22	18	8,343	5,089	0.61	1.576	7,988	4,872	0.61	1.655	7,668	4,677	0.61	1.734	7,384	4,504	0.61	1.812
22	20	8,698	4,262	0.49	1.655	8,343	4,088	0.49	1.753	8,094	3,966	0.49	1.793	7,810	3,827	0.49	1.872
22	22	9,053	3,349	0.37	1.714	8,733	3,231	0.37	1.822	8,520	3,152	0.37	1.872	8,165	3,021	0.37	1.950
23	18	8,343	5,423	0.65	1.576	7,988	5,192	0.65	1.655	7,668	4,984	0.65	1.734	7,384	4,800	0.65	1.812
23	20	8,698	4,610	0.53	1.655	8,343	4,422	0.53	1.753	8,094	4,290	0.53	1.793	7,810	4,139	0.53	1.872
23	22	9,053	3,712	0.41	1.714	8,733	3,581	0.41	1.822	8,520	3,493	0.41	1.872	8,165	3,348	0.41	1.950
24	18	8,343	5,756	0.69	1.576	7,988	5,511	0.69	1.655	7,668	5,291	0.69	1.734	7,384	5,095	0.69	1.812
24	20	8,698	4,958	0.57	1.655	8,343	4,755	0.57	1.753	8,094	4,614	0.57	1.793	7,810	4,452	0.57	1.872
24	22	9,053	4,074	0.45	1.714	8,733	3,930	0.45	1.822	8,520	3,834	0.45	1.872	8,165	3,674	0.45	1.950
24	24	9,514	3,140	0.33	1.793	9,159	3,022	0.33	1.891	8,946	2,952	0.33	1.950	8,662	2,858	0.33	2.049
25	20	8,698	5,305	0.61	1.655	8,343	5,089	0.61	1.753	8,094	4,937	0.61	1.793	7,810	4,764	0.61	1.872
25	22	9,053	4,436	0.49	1.714	8,733	4,279	0.49	1.822	8,520	4,175	0.49	1.872	8,165	4,001	0.49	1.950
25	24	9,514	3,520	0.37	1.793	9,159	3,389	0.37	1.891	8,946	3,310	0.37	1.950	8,662	3,205	0.37	2.049
26	18	8,343	6,424	0.77	1.576	7,988	6,150	0.77	1.655	7,668	5,904	0.77	1.734	7,384	5,686	0.77	1.812
26	20	8,698	5,653	0.65	1.655	8,343	5,423	0.65	1.753	8,094	5,261	0.65	1.793	7,810	5,077	0.65	1.872
26	22	9,053	4,798	0.53	1.714	8,733	4,628	0.53	1.822	8,520	4,516	0.53	1.872	8,165	4,327	0.53	1.950
26	24	9,514	3,901	0.41	1.793	9,159	3,755	0.41	1.891	8,946	3,668	0.41	1.950	8,662	3,551	0.41	2.049
26	26	9,798	2,841	0.29	1.891	9,514	2,759	0.29	1.990	9,372	2,718	0.29	2.049	9,088	2,636	0.29	2.108
27	18	8,343	6,757	0.81	1.576	7,988	6,470	0.81	1.655	7,668	6,211	0.81	1.734	7,384	5,981	0.81	1.812
27	20	8,698	6,001	0.69	1.655	8,343	5,756	0.69	1.753	8,094	5,585	0.69	1.793	7,810	5,389	0.69	1.872
27	22	9,053	5,160	0.57	1.714	8,733	4,978	0.57	1.822	8,520	4,856	0.57	1.872	8,165	4,654	0.57	1.950
27	24	9,514	4,281	0.45	1.793	9,159	4,122	0.45	1.891	8,946	4,026	0.45	1.950	8,662	3,898	0.45	2.049
27	26	9,798	3,233	0.33	1.891	9,514	3,140	0.33	1.990	9,372	3,093	0.33	2.049	9,088	2,999	0.33	2.108
28	18	8,343	7,091	0.85	1.576	7,988	6,789	0.85	1.655	7,668	6,518	0.85	1.734	7,384	6,276	0.85	1.812
28	20	8,698	6,349	0.73	1.655	8,343	6,090	0.73	1.753	8,094	5,909	0.73	1.793	7,810	5,701	0.73	1.872
28	22	9,053	5,522	0.61	1.714	8,733	5,327	0.61	1.822	8,520	5,197	0.61	1.872	8,165	4,981	0.61	1.950
28	24	9,514	4,662	0.49	1.793	9,159	4,488	0.49	1.891	8,946	4,384	0.49	1.950	8,662	4,244	0.49	2.049
28	26	9,798	3,625	0.37	1.891	9,514	3,520	0.37	1.990	9,372	3,468	0.37	2.049	9,088	3,363	0.37	2.108
29	18	8,343	7,425	0.89	1.576	7,988	7,109	0.89	1.655	7,668	6,825	0.89	1.734	7,384	6,572	0.89	1.812
29	20	8,698	6,697	0.77	1.655	8,343	6,424	0.77	1.753	8,094	6,232	0.77	1.793	7,810	6,014	0.77	1.872
29	22	9,053	5,884	0.65	1.714	8,733	5,676	0.65	1.822	8,520	5,538	0.65	1.872	8,165	5,307	0.65	1.950
29	24	9,514	5,042	0.53	1.793	9,159	4,854	0.53	1.891	8,946	4,741	0.53	1.950	8,662	4,591	0.53	2.049
29	26	9,798	4,017	0.41	1.891	9,514	3,901	0.41	1.990	9,372	3,843	0.41	2.049	9,088	3,726	0.41	2.108
30	18	8,343	7,759	0.93	1.576	7,988	7,428	0.93	1.655	7,668	7,131	0.93	1.734	7,384	6,867	0.93	1.812
30	20	8,698	7,045	0.81	1.655	8,343	6,757	0.81	1.753	8,094	6,556	0.81	1.793	7,810	6,326	0.81	1.872
30	22	9,053	6,246	0.69	1.714	8,733	6,026	0.69	1.822	8,520	5,879	0.69	1.872	8,165	5,634	0.69	1.950
30	24	9,514	5,423	0.57	1.793	9,159	5,221	0.57	1.891	8,946	5,099	0.57	1.950	8,662	4,937	0.57	2.049
30	26	9,798	4,409	0.45	1.891	9,514	4,281	0.45	1.990	9,372	4,217	0.45	2.049	9,088	4,090	0.45	2.108
31	18	8,343	8,092	0.97	1.576	7,988	7,748	0.97	1.655	7,668	7,438	0.97	1.734	7,384	7,162	0.97	1.812
31	20	8,698	7,393	0.85	1.655	8,343	7,091	0.85	1.753	8,094	6,880	0.85	1.793	7,810	6,639	0.85	1.872
31	22	9,053	6,608	0.73	1.714	8,733	6,375	0.73	1.822	8,520	6,220	0.73	1.872	8,165	5,960	0.73	1.950
31	24	9,514	5,804	0.61	1.793	9,159	5,587	0.61	1.891	8,946	5,457	0.61	1.950	8,662	5,284	0.61	2.049
31	26	9,798	4,801	0.49	1.891	9,514	4,662	0.49	1.990	9,372	4,592	0.49	2.049	9,088	4,453	0.49	2.108
32	18	8,343	8,426	1.01	1.576	7,988	8,067	1.01	1.655	7,668	7,745	1.01	1.734	7,384	7,458	1.01	1.812
32	20	8,698	7,741	0.89	1.655	8,343	7,425	0.89	1.753	8,094	7,204	0.89	1.793	7,810	6,951	0.89	1.872
32	22	9,053	6,970	0.77	1.714	8,733	6,724	0.77	1.822	8,520	6,560	0.77	1.872	8,165	6,287	0.77	1.950
32	24	9,514	6,184	0.65	1.793	9,159	5,953	0.65	1.891	8,946	5,815	0.65	1.950	8,662	5,630	0.65	2.049
32	26	9,798	5,193	0.53	1.891	9,514	5,042	0.53	1.990	9,372	4,967	0.53	2.049	9,088	4,817	0.53	2.108

COOLING CAPACITY
PLA-SM71EA / SUZ-SM71VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,958	3,966	0.57	1.931	6,390	3,642	0.57	2.049	5,893	3,359	0.57	2.128
21	20	7,313	3,291	0.45	2.009	6,816	3,067	0.45	2.108	6,319	2,844	0.45	2.226
22	18	6,958	4,244	0.61	1.931	6,390	3,898	0.61	2.049	5,893	3,595	0.61	2.128
22	20	7,313	3,583	0.49	2.009	6,816	3,340	0.49	2.108	6,319	3,096	0.49	2.226
22	22	7,739	2,863	0.37	2.088	7,242	2,680	0.37	2.206	6,745	2,496	0.37	2.285
23	18	6,958	4,523	0.65	1.931	6,390	4,154	0.65	2.049	5,893	3,830	0.65	2.128
23	20	7,313	3,876	0.53	2.009	6,816	3,612	0.53	2.108	6,319	3,349	0.53	2.226
23	22	7,739	3,173	0.41	2.088	7,242	2,969	0.41	2.206	6,745	2,765	0.41	2.285
24	18	6,958	4,801	0.69	1.931	6,390	4,409	0.69	2.049	5,893	4,066	0.69	2.128
24	20	7,313	4,168	0.57	2.009	6,816	3,885	0.57	2.108	6,319	3,602	0.57	2.226
24	22	7,739	3,483	0.45	2.088	7,242	3,259	0.45	2.206	6,745	3,035	0.45	2.285
24	24	8,165	2,694	0.33	2.167	7,668	2,530	0.33	2.266	7,242	2,390	0.33	2.364
25	20	7,313	4,461	0.61	2.009	6,816	4,158	0.61	2.108	6,319	3,855	0.61	2.226
25	22	7,739	3,792	0.49	2.088	7,242	3,549	0.49	2.206	6,745	3,305	0.49	2.285
25	24	8,165	3,021	0.37	2.167	7,668	2,837	0.37	2.266	7,242	2,680	0.37	2.364
26	18	6,958	5,358	0.77	1.931	6,390	4,920	0.77	2.049	5,893	4,538	0.77	2.128
26	20	7,313	4,753	0.65	2.009	6,816	4,430	0.65	2.108	6,319	4,107	0.65	2.226
26	22	7,739	4,102	0.53	2.088	7,242	3,838	0.53	2.206	6,745	3,575	0.53	2.285
26	24	8,165	3,348	0.41	2.167	7,668	3,144	0.41	2.266	7,242	2,969	0.41	2.364
26	26	8,591	2,491	0.29	2.246	8,094	2,347	0.29	2.344	7,597	2,203	0.29	2.443
27	18	6,958	5,636	0.81	1.931	6,390	5,176	0.81	2.049	5,893	4,773	0.81	2.128
27	20	7,313	5,046	0.69	2.009	6,816	4,703	0.69	2.108	6,319	4,360	0.69	2.226
27	22	7,739	4,411	0.57	2.088	7,242	4,128	0.57	2.206	6,745	3,845	0.57	2.285
27	24	8,165	3,674	0.45	2.167	7,668	3,451	0.45	2.266	7,242	3,259	0.45	2.364
27	26	8,591	2,835	0.33	2.246	8,094	2,671	0.33	2.344	7,597	2,507	0.33	2.443
28	18	6,958	5,914	0.85	1.931	6,390	5,432	0.85	2.049	5,893	5,009	0.85	2.128
28	20	7,313	5,338	0.73	2.009	6,816	4,976	0.73	2.108	6,319	4,613	0.73	2.226
28	22	7,739	4,721	0.61	2.088	7,242	4,418	0.61	2.206	6,745	4,114	0.61	2.285
28	24	8,165	4,001	0.49	2.167	7,668	3,757	0.49	2.266	7,242	3,549	0.49	2.364
28	26	8,591	3,179	0.37	2.246	8,094	2,995	0.37	2.344	7,597	2,811	0.37	2.443
29	18	6,958	6,193	0.89	1.931	6,390	5,687	0.89	2.049	5,893	5,245	0.89	2.128
29	20	7,313	5,631	0.77	2.009	6,816	5,248	0.77	2.108	6,319	4,866	0.77	2.226
29	22	7,739	5,030	0.65	2.088	7,242	4,707	0.65	2.206	6,745	4,384	0.65	2.285
29	24	8,165	4,327	0.53	2.167	7,668	4,064	0.53	2.266	7,242	3,838	0.53	2.364
29	26	8,591	3,522	0.41	2.246	8,094	3,319	0.41	2.344	7,597	3,115	0.41	2.443
30	18	6,958	6,471	0.93	1.931	6,390	5,943	0.93	2.049	5,893	5,480	0.93	2.128
30	20	7,313	5,924	0.81	2.009	6,816	5,521	0.81	2.108	6,319	5,118	0.81	2.226
30	22	7,739	5,340	0.69	2.088	7,242	4,997	0.69	2.206	6,745	4,654	0.69	2.285
30	24	8,165	4,654	0.57	2.167	7,668	4,371	0.57	2.266	7,242	4,128	0.57	2.364
30	26	8,591	3,866	0.45	2.246	8,094	3,642	0.45	2.344	7,597	3,419	0.45	2.443
31	18	6,958	6,749	0.97	1.931	6,390	6,198	0.97	2.049	5,893	5,716	0.97	2.128
31	20	7,313	6,216	0.85	2.009	6,816	5,794	0.85	2.108	6,319	5,371	0.85	2.226
31	22	7,739	5,649	0.73	2.088	7,242	5,287	0.73	2.206	6,745	4,924	0.73	2.285
31	24	8,165	4,981	0.61	2.167	7,668	4,677	0.61	2.266	7,242	4,418	0.61	2.364
31	26	8,591	4,210	0.49	2.246	8,094	3,966	0.49	2.344	7,597	3,723	0.49	2.443
32	18	6,958	7,028	1.01	1.931	6,390	6,454	1.01	2.049	5,893	5,952	1.01	2.128
32	20	7,313	6,509	0.89	2.009	6,816	6,066	0.89	2.108	6,319	5,624	0.89	2.226
32	22	7,739	5,959	0.77	2.088	7,242	5,576	0.77	2.206	6,745	5,194	0.77	2.285
32	24	8,165	5,307	0.65	2.167	7,668	4,984	0.65	2.266	7,242	4,707	0.65	2.364
32	26	8,591	4,553	0.53	2.246	8,094	4,290	0.53	2.344	7,597	4,026	0.53	2.443

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-SM100EA / PUZ-SM100VKA PUZ-SM100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	6,301	0.67	2.23	9,120	6,110	0.67	2.36	8,835	5,919	0.67	2.50
20	18	10,070	5,539	0.55	2.27	9,785	5,382	0.55	2.40	9,453	5,199	0.55	2.57
20	20	10,830	4,657	0.43	2.34	10,593	4,555	0.43	2.46	10,308	4,432	0.43	2.62
22	16	9,405	7,054	0.75	2.23	9,120	6,840	0.75	2.36	8,835	6,626	0.75	2.50
22	18	10,070	6,344	0.63	2.27	9,785	6,165	0.63	2.40	9,453	5,955	0.63	2.57
22	20	10,830	5,523	0.51	2.34	10,593	5,402	0.51	2.46	10,308	5,257	0.51	2.62
24	16	9,405	7,806	0.83	2.23	9,120	7,570	0.83	2.36	8,835	7,333	0.83	2.50
24	18	10,070	7,150	0.71	2.27	9,785	6,947	0.71	2.40	9,453	6,711	0.71	2.57
24	20	10,830	6,390	0.59	2.34	10,593	6,250	0.59	2.46	10,308	6,081	0.59	2.62
24	22	11,543	5,425	0.47	2.40	11,305	5,313	0.47	2.54	11,020	5,179	0.47	2.71
26	16	9,405	8,559	0.91	2.23	9,120	8,299	0.91	2.36	8,835	8,040	0.91	2.50
26	18	10,070	7,955	0.79	2.27	9,785	7,730	0.79	2.40	9,453	7,467	0.79	2.57
26	20	10,830	7,256	0.67	2.34	10,593	7,097	0.67	2.46	10,308	6,906	0.67	2.62
26	22	11,543	6,348	0.55	2.40	11,305	6,218	0.55	2.54	11,020	6,061	0.55	2.71
27	16	9,405	8,935	0.95	2.23	9,120	8,664	0.95	2.36	8,835	8,393	0.95	2.50
27	18	10,070	8,358	0.83	2.27	9,785	8,122	0.83	2.40	9,453	7,846	0.83	2.57
27	20	10,830	7,689	0.71	2.34	10,593	7,521	0.71	2.46	10,308	7,318	0.71	2.62
27	22	11,543	6,810	0.59	2.40	11,305	6,670	0.59	2.54	11,020	6,502	0.59	2.71
28	16	9,405	9,311	0.99	2.23	9,120	9,029	0.99	2.36	8,835	8,747	0.99	2.50
28	18	10,070	8,761	0.87	2.27	9,785	8,513	0.87	2.40	9,453	8,224	0.87	2.57
28	20	10,830	8,123	0.75	2.34	10,593	7,944	0.75	2.46	10,308	7,731	0.75	2.62
28	22	11,543	7,272	0.63	2.40	11,305	7,122	0.63	2.54	11,020	6,943	0.63	2.71
30	16	9,405	9,405	1.00	2.23	9,120	9,120	1.00	2.36	8,835	8,835	1.00	2.50
30	18	10,070	9,567	0.95	2.27	9,785	9,296	0.95	2.40	9,453	8,980	0.95	2.57
30	20	10,830	8,989	0.83	2.34	10,593	8,792	0.83	2.46	10,308	8,555	0.83	2.62
30	22	11,543	8,195	0.71	2.40	11,305	8,027	0.71	2.54	11,020	7,824	0.71	2.71
32	16	9,405	9,405	1.00	2.23	9,120	9,120	1.00	2.36	8,835	8,835	1.00	2.50
32	18	10,070	10,070	1.00	2.27	9,785	9,785	1.00	2.40	9,453	9,453	1.00	2.57
32	20	10,830	9,855	0.91	2.34	10,593	9,639	0.91	2.46	10,308	9,380	0.91	2.62
32	22	11,543	9,119	0.79	2.40	11,305	8,931	0.79	2.54	11,020	8,706	0.79	2.71
34	16	9,405	9,405	1.00	2.23	9,120	9,120	1.00	2.36	8,835	8,835	1.00	2.50
34	18	10,070	10,070	1.00	2.27	9,785	9,785	1.00	2.40	9,453	9,453	1.00	2.57
34	20	10,830	10,722	0.99	2.34	10,593	10,487	0.99	2.46	10,308	10,204	0.99	2.62
34	22	11,543	10,042	0.87	2.40	11,305	9,835	0.87	2.54	11,020	9,587	0.87	2.71

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	5,665	0.67	2.68	8,075	5,410	0.67	2.87	7,695	5,156	0.67	3.11
20	18	9,120	5,016	0.55	2.75	8,835	4,859	0.55	2.96	8,265	4,546	0.55	3.18
20	20	9,880	4,248	0.43	2.82	9,500	4,085	0.43	3.01	8,930	3,840	0.43	3.24
22	16	8,455	6,341	0.75	2.68	8,075	6,056	0.75	2.87	7,695	5,771	0.75	3.11
22	18	9,120	5,746	0.63	2.75	8,835	5,566	0.63	2.96	8,265	5,207	0.63	3.18
22	20	9,880	5,039	0.51	2.82	9,500	4,845	0.51	3.01	8,930	4,554	0.51	3.24
24	16	8,455	7,018	0.83	2.68	8,075	6,702	0.83	2.87	7,695	6,387	0.83	3.11
24	18	9,120	6,475	0.71	2.75	8,835	6,273	0.71	2.96	8,265	5,868	0.71	3.18
24	20	9,880	5,829	0.59	2.82	9,500	5,605	0.59	3.01	8,930	5,269	0.59	3.24
24	22	10,640	5,001	0.47	2.87	10,260	4,822	0.47	3.10	9,690	4,554	0.47	3.29
26	16	8,455	7,694	0.91	2.68	8,075	7,348	0.91	2.87	7,695	7,002	0.91	3.11
26	18	9,120	7,205	0.79	2.75	8,835	6,980	0.79	2.96	8,265	6,529	0.79	3.18
26	20	9,880	6,620	0.67	2.82	9,500	6,365	0.67	3.01	8,930	5,983	0.67	3.24
26	22	10,640	5,852	0.55	2.87	10,260	5,643	0.55	3.10	9,690	5,330	0.55	3.29
27	16	8,455	8,032	0.95	2.68	8,075	7,671	0.95	2.87	7,695	7,310	0.95	3.11
27	18	9,120	7,570	0.83	2.75	8,835	7,333	0.83	2.96	8,265	6,860	0.83	3.18
27	20	9,880	7,015	0.71	2.82	9,500	6,745	0.71	3.01	8,930	6,340	0.71	3.24
27	22	10,640	6,278	0.59	2.87	10,260	6,053	0.59	3.10	9,690	5,717	0.59	3.29
28	16	8,455	8,370	0.99	2.68	8,075	7,994	0.99	2.87	7,695	7,618	0.99	3.11
28	18	9,120	7,934	0.87	2.75	8,835	7,686	0.87	2.96	8,265	7,191	0.87	3.18
28	20	9,880	7,410	0.75	2.82	9,500	7,125	0.75	3.01	8,930	6,698	0.75	3.24
28	22	10,640	6,703	0.63	2.87	10,260	6,464	0.63	3.10	9,690	6,105	0.63	3.29
30	16	8,455	8,455	1.00	2.68	8,075	8,075	1.00	2.87	7,695	7,695	1.00	3.11
30	18	9,120	8,664	0.95	2.75	8,835	8,393	0.95	2.96	8,265	7,852	0.95	3.18
30	20	9,880	8,200	0.83	2.82	9,500	7,885	0.83	3.01	8,930	7,412	0.83	3.24
30	22	10,640	7,554	0.71	2.87	10,260	7,285	0.71	3.10	9,690	6,880	0.71	3.29
32	16	8,455	8,455	1.00	2.68	8,075	8,075	1.00	2.87	7,695	7,695	1.00	3.11
32	18	9,120	9,120	1.00	2.75	8,835	8,835	1.00	2.96	8,265	8,265	1.00	3.18
32	20	9,880	8,991	0.91	2.82	9,500	8,645	0.91	3.01	8,930	8,126	0.91	3.24
32	22	10,640	8,406	0.79	2.87	10,260	8,105	0.79	3.10	9,690	7,655	0.79	3.29
34	16	8,455	8,455	1.00	2.68	8,075	8,075	1.00	2.87	7,695	7,695	1.00	3.11
34	18	9,120	9,120	1.00	2.75	8,835	8,835	1.00	2.96	8,265	8,265	1.00	3.18
34	20	9,880	9,781	0.99	2.82	9,500	9,405	0.99	3.01	8,930	8,841	0.99	3.24
34	22	10,640	9,257	0.87	2.87	10,260	8,926	0.87	3.10	9,690	8,430	0.87	3.29

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-SM125EA / PUZ-SM125VKA PUZ-SM125YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	11,979	7,547	0.63	3.34	11,616	7,318	0.63	3.52	11,253	7,089	0.63	3.73
20	18	12,826	6,541	0.51	3.40	12,463	6,356	0.51	3.59	12,040	6,140	0.51	3.84
20	20	13,794	5,380	0.39	3.50	13,492	5,262	0.39	3.67	13,129	5,120	0.39	3.92
22	16	11,979	8,505	0.71	3.34	11,616	8,247	0.71	3.52	11,253	7,990	0.71	3.73
22	18	12,826	7,567	0.59	3.40	12,463	7,353	0.59	3.59	12,040	7,103	0.59	3.84
22	20	13,794	6,483	0.47	3.50	13,492	6,341	0.47	3.67	13,129	6,170	0.47	3.92
24	16	11,979	9,463	0.79	3.34	11,616	9,177	0.79	3.52	11,253	8,890	0.79	3.73
24	18	12,826	8,593	0.67	3.40	12,463	8,350	0.67	3.59	12,040	8,066	0.67	3.84
24	20	13,794	7,587	0.55	3.50	13,492	7,420	0.55	3.67	13,129	7,221	0.55	3.92
24	22	14,702	6,322	0.43	3.59	14,399	6,192	0.43	3.79	14,036	6,035	0.43	4.04
26	16	11,979	10,422	0.87	3.34	11,616	10,106	0.87	3.52	11,253	9,790	0.87	3.73
26	18	12,826	9,620	0.75	3.40	12,463	9,347	0.75	3.59	12,040	9,030	0.75	3.84
26	20	13,794	8,690	0.63	3.50	13,492	8,500	0.63	3.67	13,129	8,271	0.63	3.92
26	22	14,702	7,498	0.51	3.59	14,399	7,343	0.51	3.79	14,036	7,158	0.51	4.04
27	16	11,979	10,901	0.91	3.34	11,616	10,571	0.91	3.52	11,253	10,240	0.91	3.73
27	18	12,826	10,133	0.79	3.40	12,463	9,846	0.79	3.59	12,040	9,511	0.79	3.84
27	20	13,794	9,242	0.67	3.50	13,492	9,039	0.67	3.67	13,129	8,796	0.67	3.92
27	22	14,702	8,086	0.55	3.59	14,399	7,919	0.55	3.79	14,036	7,720	0.55	4.04
28	16	11,979	11,380	0.95	3.34	11,616	11,035	0.95	3.52	11,253	10,690	0.95	3.73
28	18	12,826	10,646	0.83	3.40	12,463	10,344	0.83	3.59	12,040	9,993	0.83	3.84
28	20	13,794	9,794	0.71	3.50	13,492	9,579	0.71	3.67	13,129	9,321	0.71	3.92
28	22	14,702	8,674	0.59	3.59	14,399	8,495	0.59	3.79	14,036	8,281	0.59	4.04
30	16	11,979	11,979	1.00	3.34	11,616	11,616	1.00	3.52	11,253	11,253	1.00	3.73
30	18	12,826	11,672	0.91	3.40	12,463	11,341	0.91	3.59	12,040	10,956	0.91	3.84
30	20	13,794	10,897	0.79	3.50	13,492	10,658	0.79	3.67	13,129	10,372	0.79	3.92
30	22	14,702	9,850	0.67	3.59	14,399	9,647	0.67	3.79	14,036	9,404	0.67	4.04
32	16	11,979	11,979	1.00	3.34	11,616	11,616	1.00	3.52	11,253	11,253	1.00	3.73
32	18	12,826	12,698	0.99	3.40	12,463	12,338	0.99	3.59	12,040	11,919	0.99	3.84
32	20	13,794	12,001	0.87	3.50	13,492	11,738	0.87	3.67	13,129	11,422	0.87	3.92
32	22	14,702	11,026	0.75	3.59	14,399	10,799	0.75	3.79	14,036	10,527	0.75	4.04
34	16	11,979	11,979	1.00	3.34	11,616	11,616	1.00	3.52	11,253	11,253	1.00	3.73
34	18	12,826	12,826	1.00	3.40	12,463	12,463	1.00	3.59	12,040	12,040	1.00	3.84
34	20	13,794	13,104	0.95	3.50	13,492	12,817	0.95	3.67	13,129	12,472	0.95	3.92
34	22	14,702	12,202	0.83	3.59	14,399	11,951	0.83	3.79	14,036	11,650	0.83	4.04

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	10,769	6,784	0.63	4.00	10,285	6,480	0.63	4.30	9,801	6,175	0.63	4.65
20	18	11,616	5,924	0.51	4.11	11,253	5,739	0.51	4.42	10,527	5,369	0.51	4.75
20	20	12,584	4,908	0.39	4.21	12,100	4,719	0.39	4.50	11,374	4,436	0.39	4.84
22	16	10,769	7,646	0.71	4.00	10,285	7,302	0.71	4.30	9,801	6,959	0.71	4.65
22	18	11,616	6,853	0.59	4.11	11,253	6,639	0.59	4.42	10,527	6,211	0.59	4.75
22	20	12,584	5,914	0.47	4.21	12,100	5,687	0.47	4.50	11,374	5,346	0.47	4.84
24	16	10,769	8,508	0.79	4.00	10,285	8,125	0.79	4.30	9,801	7,743	0.79	4.65
24	18	11,616	7,783	0.67	4.11	11,253	7,540	0.67	4.42	10,527	7,053	0.67	4.75
24	20	12,584	6,921	0.55	4.21	12,100	6,655	0.55	4.50	11,374	6,256	0.55	4.84
24	22	13,552	5,827	0.43	4.30	13,068	5,619	0.43	4.63	12,342	5,307	0.43	4.92
26	16	10,769	9,369	0.87	4.00	10,285	8,948	0.87	4.30	9,801	8,527	0.87	4.65
26	18	11,616	8,712	0.75	4.11	11,253	8,440	0.75	4.42	10,527	7,895	0.75	4.75
26	20	12,584	7,928	0.63	4.21	12,100	7,623	0.63	4.50	11,374	7,166	0.63	4.84
26	22	13,552	6,912	0.51	4.30	13,068	6,665	0.51	4.63	12,342	6,294	0.51	4.92
27	16	10,769	9,800	0.91	4.00	10,285	9,359	0.91	4.30	9,801	8,919	0.91	4.65
27	18	11,616	9,177	0.79	4.11	11,253	8,890	0.79	4.42	10,527	8,316	0.79	4.75
27	20	12,584	8,431	0.67	4.21	12,100	8,107	0.67	4.50	11,374	7,621	0.67	4.84
27	22	13,552	7,454	0.55	4.30	13,068	7,187	0.55	4.63	12,342	6,788	0.55	4.92
28	16	10,769	10,231	0.95	4.00	10,285	9,771	0.95	4.30	9,801	9,311	0.95	4.65
28	18	11,616	9,641	0.83	4.11	11,253	9,340	0.83	4.42	10,527	8,737	0.83	4.75
28	20	12,584	8,935	0.71	4.21	12,100	8,591	0.71	4.50	11,374	8,076	0.71	4.84
28	22	13,552	7,996	0.59	4.30	13,068	7,710	0.59	4.63	12,342	7,282	0.59	4.92
30	16	10,769	10,769	1.00	4.00	10,285	10,285	1.00	4.30	9,801	9,801	1.00	4.65
30	18	11,616	10,571	0.91	4.11	11,253	10,240	0.91	4.42	10,527	9,580	0.91	4.75
30	20	12,584	9,941	0.79	4.21	12,100	9,559	0.79	4.50	11,374	8,985	0.79	4.84
30	22	13,552	9,080	0.67	4.30	13,068	8,756	0.67	4.63	12,342	8,269	0.67	4.92
32	16	10,769	10,769	1.00	4.00	10,285	10,285	1.00	4.30	9,801	9,801	1.00	4.65
32	18	11,616	11,500	0.99	4.11	11,253	11,140	0.99	4.42	10,527	10,422	0.99	4.75
32	20	12,584	10,948	0.87	4.21	12,100	10,527	0.87	4.50	11,374	9,895	0.87	4.84
32	22	13,552	10,164	0.75	4.30	13,068	9,801	0.75	4.63	12,342	9,257	0.75	4.92
34	16	10,769	10,769	1.00	4.00	10,285	10,285	1.00	4.30	9,801	9,801	1.00	4.65
34	18	11,616	11,616	1.00	4.11	11,253	11,253	1.00	4.42	10,527	10,527	1.00	4.75
34	20	12,584	11,955	0.95	4.21	12,100	11,495	0.95	4.50	11,374	10,805	0.95	4.84
34	22	13,552	11,248	0.83	4.30	13,068	10,846	0.83	4.63	12,342	10,244	0.83	4.92

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-SM140EA / PUZ-SM140VKA PUZ-SM140YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,266	7,960	0.60	4.10	12,864	7,718	0.60	4.33	12,462	7,477	0.60	4.59
20	18	14,204	6,818	0.48	4.18	13,802	6,625	0.48	4.41	13,333	6,400	0.48	4.72
20	20	15,276	5,499	0.36	4.31	14,941	5,379	0.36	4.51	14,539	5,234	0.36	4.82
22	16	13,266	9,021	0.68	4.10	12,864	8,748	0.68	4.33	12,462	8,474	0.68	4.59
22	18	14,204	7,954	0.56	4.18	13,802	7,729	0.56	4.41	13,333	7,466	0.56	4.72
22	20	15,276	6,721	0.44	4.31	14,941	6,574	0.44	4.51	14,539	6,397	0.44	4.82
24	16	13,266	10,082	0.76	4.10	12,864	9,777	0.76	4.33	12,462	9,471	0.76	4.59
24	18	14,204	9,091	0.64	4.18	13,802	8,833	0.64	4.41	13,333	8,533	0.64	4.72
24	20	15,276	7,944	0.52	4.31	14,941	7,769	0.52	4.51	14,539	7,560	0.52	4.82
24	22	16,281	6,512	0.40	4.41	15,946	6,378	0.40	4.67	15,544	6,218	0.40	4.98
26	16	13,266	11,143	0.84	4.10	12,864	10,806	0.84	4.33	12,462	10,468	0.84	4.59
26	18	14,204	10,227	0.72	4.18	13,802	9,937	0.72	4.41	13,333	9,600	0.72	4.72
26	20	15,276	9,166	0.60	4.31	14,941	8,965	0.60	4.51	14,539	8,723	0.60	4.82
26	22	16,281	7,815	0.48	4.41	15,946	7,654	0.48	4.67	15,544	7,461	0.48	4.98
27	16	13,266	11,674	0.88	4.10	12,864	11,320	0.88	4.33	12,462	10,967	0.88	4.59
27	18	14,204	10,795	0.76	4.18	13,802	10,490	0.76	4.41	13,333	10,133	0.76	4.72
27	20	15,276	9,777	0.64	4.31	14,941	9,562	0.64	4.51	14,539	9,305	0.64	4.82
27	22	16,281	8,466	0.52	4.41	15,946	8,292	0.52	4.67	15,544	8,083	0.52	4.98
28	16	13,266	12,205	0.92	4.10	12,864	11,835	0.92	4.33	12,462	11,465	0.92	4.59
28	18	14,204	11,363	0.80	4.18	13,802	11,042	0.80	4.41	13,333	10,666	0.80	4.72
28	20	15,276	10,388	0.68	4.31	14,941	10,160	0.68	4.51	14,539	9,887	0.68	4.82
28	22	16,281	9,117	0.56	4.41	15,946	8,930	0.56	4.67	15,544	8,705	0.56	4.98
30	16	13,266	13,266	1.00	4.10	12,864	12,864	1.00	4.33	12,462	12,462	1.00	4.59
30	18	14,204	12,500	0.88	4.18	13,802	12,146	0.88	4.41	13,333	11,733	0.88	4.72
30	20	15,276	11,610	0.76	4.31	14,941	11,355	0.76	4.51	14,539	11,050	0.76	4.82
30	22	16,281	10,420	0.64	4.41	15,946	10,205	0.64	4.67	15,544	9,948	0.64	4.98
32	16	13,266	13,266	1.00	4.10	12,864	12,864	1.00	4.33	12,462	12,462	1.00	4.59
32	18	14,204	13,636	0.96	4.18	13,802	13,250	0.96	4.41	13,333	12,800	0.96	4.72
32	20	15,276	12,832	0.84	4.31	14,941	12,550	0.84	4.51	14,539	12,213	0.84	4.82
32	22	16,281	11,722	0.72	4.41	15,946	11,481	0.72	4.67	15,544	11,192	0.72	4.98
34	16	13,266	13,266	1.00	4.10	12,864	12,864	1.00	4.33	12,462	12,462	1.00	4.59
34	18	14,204	14,204	1.00	4.18	13,802	13,802	1.00	4.41	13,333	13,333	1.00	4.72
34	20	15,276	14,054	0.92	4.31	14,941	13,746	0.92	4.51	14,539	13,376	0.92	4.82
34	22	16,281	13,025	0.80	4.41	15,946	12,757	0.80	4.67	15,544	12,435	0.80	4.98

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,926	7,156	0.60	4.92	11,390	6,834	0.60	5.28	10,854	6,512	0.60	5.72
20	18	12,864	6,175	0.48	5.05	12,462	5,982	0.48	5.44	11,658	5,596	0.48	5.85
20	20	13,936	5,017	0.36	5.18	13,400	4,824	0.36	5.54	12,596	4,535	0.36	5.95
22	16	11,926	8,110	0.68	4.92	11,390	7,745	0.68	5.28	10,854	7,381	0.68	5.72
22	18	12,864	7,204	0.56	5.05	12,462	6,979	0.56	5.44	11,658	6,528	0.56	5.85
22	20	13,936	6,132	0.44	5.18	13,400	5,896	0.44	5.54	12,596	5,542	0.44	5.95
24	16	11,926	9,064	0.76	4.92	11,390	8,656	0.76	5.28	10,854	8,249	0.76	5.72
24	18	12,864	8,233	0.64	5.05	12,462	7,976	0.64	5.44	11,658	7,461	0.64	5.85
24	20	13,936	7,247	0.52	5.18	13,400	6,968	0.52	5.54	12,596	6,550	0.52	5.95
24	22	15,008	6,003	0.40	5.28	14,472	5,789	0.40	5.69	13,668	5,467	0.40	6.05
26	16	11,926	10,018	0.84	4.92	11,390	9,568	0.84	5.28	10,854	9,117	0.84	5.72
26	18	12,864	9,262	0.72	5.05	12,462	8,973	0.72	5.44	11,658	8,394	0.72	5.85
26	20	13,936	8,362	0.60	5.18	13,400	8,040	0.60	5.54	12,596	7,558	0.60	5.95
26	22	15,008	7,204	0.48	5.28	14,472	6,947	0.48	5.69	13,668	6,561	0.48	6.05
27	16	11,926	10,495	0.88	4.92	11,390	10,023	0.88	5.28	10,854	9,552	0.88	5.72
27	18	12,864	9,777	0.76	5.05	12,462	9,471	0.76	5.44	11,658	8,860	0.76	5.85
27	20	13,936	8,919	0.64	5.18	13,400	8,576	0.64	5.54	12,596	8,061	0.64	5.95
27	22	15,008	7,804	0.52	5.28	14,472	7,525	0.52	5.69	13,668	7,107	0.52	6.05
28	16	11,926	10,972	0.92	4.92	11,390	10,479	0.92	5.28	10,854	9,986	0.92	5.72
28	18	12,864	10,291	0.80	5.05	12,462	9,970	0.80	5.44	11,658	9,326	0.80	5.85
28	20	13,936	9,476	0.68	5.18	13,400	9,112	0.68	5.54	12,596	8,565	0.68	5.95
28	22	15,008	8,404	0.56	5.28	14,472	8,104	0.56	5.69	13,668	7,654	0.56	6.05
30	16	11,926	11,926	1.00	4.92	11,390	11,390	1.00	5.28	10,854	10,854	1.00	5.72
30	18	12,864	11,320	0.88	5.05	12,462	10,967	0.88	5.44	11,658	10,259	0.88	5.85
30	20	13,936	10,591	0.76	5.18	13,400	10,184	0.76	5.54	12,596	9,573	0.76	5.95
30	22	15,008	9,605	0.64	5.28	14,472	9,262	0.64	5.69	13,668	8,748	0.64	6.05
32	16	11,926	11,926	1.00	4.92	11,390	11,390	1.00	5.28	10,854	10,854	1.00	5.72
32	18	12,864	12,349	0.96	5.05	12,462	11,964	0.96	5.44	11,658	11,192	0.96	5.85
32	20	13,936	11,706	0.84	5.18	13,400	11,256	0.84	5.54	12,596	10,581	0.84	5.95
32	22	15,008	10,806	0.72	5.28	14,472	10,420	0.72	5.69	13,668	9,841	0.72	6.05
34	16	11,926	11,926	1.00	4.92	11,390	11,390	1.00	5.28	10,854	10,854	1.00	5.72
34	18	12,864	12,864	1.00	5.05	12,462	12,462	1.00	5.44	11,658	11,658	1.00	5.85
34	20	13,936	12,821	0.92	5.18	13,400	12,328	0.92	5.54	12,596	11,588	0.92	5.95
34	22	15,008	12,006	0.80	5.28	14,472	11,578	0.80	5.69	13,668	10,934	0.80	6.05

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

HEATING CAPACITY
PLA-M·EA / SUZ-M·VA

	Indoor intake air DB°C	Outdoor intake air WB°C															
		-15		-10		-5		0		5		10		15		20	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PLA-M35EA	15	2,050	0.504	2,583	0.631	3,116	0.757	3,649	0.854	4,182	0.922	4,715	0.980	5,207	1.009	5,740	1.028
	21	1,927	0.537	2,460	0.679	2,952	0.805	3,485	0.892	3,977	0.960	4,510	1.009	5,002	1.038	5,515	1.077
	26	1,681	0.582	2,214	0.728	2,747	0.854	3,239	0.941	3,772	1.009	4,305	1.057	4,797	1.086	5,330	1.116
PLA-M50EA	15	3,000	0.900	3,780	1.125	4,560	1.349	5,340	1.522	6,120	1.644	6,900	1.747	7,620	1.799	8,400	1.834
	21	2,820	0.958	3,600	1.211	4,320	1.436	5,100	1.592	5,820	1.713	6,600	1.799	7,320	1.851	8,070	1.920
	26	2,460	1.038	3,240	1.298	4,020	1.522	4,740	1.678	5,520	1.799	6,300	1.886	7,020	1.938	7,800	1.990
PLA-M60EA	15	3,500	0.957	4,410	1.196	5,320	1.435	6,230	1.619	7,140	1.748	8,050	1.858	8,890	1.914	9,800	1.950
	21	3,290	1.019	4,200	1.288	5,040	1.527	5,950	1.693	6,790	1.822	7,700	1.914	8,540	1.969	9,415	2.042
	26	2,870	1.104	3,780	1.380	4,690	1.619	5,530	1.785	6,440	1.914	7,350	2.006	8,190	2.061	9,100	2.116
PLA-M71EA	15	4,000	1.149	5,040	1.437	6,080	1.724	7,120	1.945	8,160	2.100	9,200	2.232	10,160	2.298	11,200	2.343
	21	3,760	1.224	4,800	1.547	5,760	1.834	6,800	2.033	7,760	2.188	8,800	2.298	9,760	2.365	10,760	2.453
	26	3,280	1.326	4,320	1.658	5,360	1.945	6,320	2.144	7,360	2.298	8,400	2.409	9,360	2.475	10,400	2.542

Note: CA : Capacity (W) P.C. : Total power input (kW)

HEATING CAPACITY
PLA-M·EA / PUZ-M·VKA PUZ-M·YKA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PLA-M100EA	15	7,112	1.78	7,728	1.96	8,624	2.26	11,312	2.71	12,768	3.01	14,224	3.25
	20	6,832	1.93	7,392	2.11	8,176	2.44	10,920	2.92	12,320	3.25	13,720	3.49
	25	6,608	2.05	7,168	2.29	7,840	2.65	10,304	3.10	11,872	3.48	13,216	3.75
PLA-M125EA	15	8,573	2.14	9,315	2.36	10,395	2.72	13,635	3.27	15,390	3.63	17,145	3.92
	20	8,235	2.32	8,910	2.54	9,855	2.94	13,163	3.52	14,850	3.92	16,538	4.21
	25	7,965	2.47	8,640	2.76	9,450	3.19	12,420	3.74	14,310	4.19	15,930	4.52
PLA-M140EA	15	9,525	2.59	10,350	2.85	11,550	3.29	15,150	3.95	17,100	4.39	19,050	4.74
	20	9,150	2.81	9,900	3.07	10,950	3.56	14,625	4.26	16,500	4.74	18,375	5.09
	25	8,850	2.99	9,600	3.34	10,500	3.86	13,800	4.52	15,900	5.07	17,700	5.47

HEATING CAPACITY
PLA-SM·EA / SUZ-SM·VA

	Indoor intake air DB°C	Outdoor intake air WB°C															
		-15		-10		-5		0		5		10		15		20	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PLA-SM71EA	15	4,000	1.186	5,040	1.482	6,080	1.778	7,120	2.006	8,160	2.166	9,200	2.303	10,160	2.371	11,200	2.417
	21	3,760	1.263	4,800	1.596	5,760	1.892	6,800	2.098	7,760	2.257	8,800	2.371	9,760	2.440	10,760	2.531
	26	3,280	1.368	4,320	1.710	5,360	2.006	6,320	2.212	7,360	2.371	8,400	2.485	9,360	2.554	10,400	2.622

Note: CA : Capacity (W) P.C. : Total power input (kW)

HEATING CAPACITY
PLA-SM·EA / PUZ-SM·VKA PUZ-SM·YKA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PLA-SM100EA	15	7,112	1.83	7,728	2.02	8,624	2.33	11,312	2.79	12,768	3.10	14,224	3.35
	20	6,832	1.98	7,392	2.17	8,176	2.51	10,920	3.01	12,320	3.35	13,720	3.60
	25	6,608	2.11	7,168	2.36	7,840	2.73	10,304	3.19	11,872	3.58	13,216	3.86
PLA-SM125EA	15	8,573	2.20	9,315	2.42	10,395	2.80	13,635	3.36	15,390	3.73	17,145	4.03
	20	8,235	2.39	8,910	2.61	9,855	3.02	13,163	3.62	14,850	4.03	16,538	4.33
	25	7,965	2.54	8,640	2.83	9,450	3.28	12,420	3.84	14,310	4.31	15,930	4.64
PLA-SM140EA	15	9,525	2.68	10,350	2.95	11,550	3.41	15,150	4.09	17,100	4.54	19,050	4.90
	20	9,150	2.91	9,900	3.18	10,950	3.68	14,625	4.40	16,500	4.90	18,375	5.27
	25	8,850	3.09	9,600	3.45	10,500	4.00	13,800	4.68	15,900	5.24	17,700	5.65

Note: CA : Capacity (W) P.C. : Total power input (kW)

A.1.5.2 R410A type

COOLING CAPACITY
PLA-ZM100EA / PUZ-SHW112VHA(-BS) PUZ-SHW112YHA(-BS)

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,900	6,435	0.65	2.286	9,600	6,240	0.65	2.414	9,300	6,045	0.65	2.557
20	18	10,600	5,618	0.53	2.328	10,300	5,459	0.53	2.457	9,950	5,274	0.53	2.628
20	20	11,400	4,674	0.41	2.400	11,150	4,572	0.41	2.514	10,850	4,449	0.41	2.686
22	16	9,900	7,227	0.73	2.286	9,600	7,008	0.73	2.414	9,300	6,789	0.73	2.557
22	18	10,600	6,466	0.61	2.328	10,300	6,283	0.61	2.457	9,950	6,070	0.61	2.628
22	20	11,400	5,586	0.49	2.400	11,150	5,464	0.49	2.514	10,850	5,317	0.49	2.686
24	16	9,900	8,019	0.81	2.286	9,600	7,776	0.81	2.414	9,300	7,533	0.81	2.557
24	18	10,600	7,314	0.69	2.328	10,300	7,107	0.69	2.457	9,950	6,866	0.69	2.628
24	20	11,400	6,498	0.57	2.400	11,150	6,356	0.57	2.514	10,850	6,185	0.57	2.686
24	22	12,150	5,468	0.45	2.457	11,900	5,355	0.45	2.600	11,600	5,220	0.45	2.771
26	16	9,900	8,811	0.89	2.286	9,600	8,544	0.89	2.414	9,300	8,277	0.89	2.557
26	18	10,600	8,162	0.77	2.328	10,300	7,931	0.77	2.457	9,950	7,662	0.77	2.628
26	20	11,400	7,410	0.65	2.400	11,150	7,248	0.65	2.514	10,850	7,053	0.65	2.686
26	22	12,150	6,440	0.53	2.457	11,900	6,307	0.53	2.600	11,600	6,148	0.53	2.771
27	16	9,900	9,207	0.93	2.286	9,600	8,928	0.93	2.414	9,300	8,649	0.93	2.557
27	18	10,600	8,586	0.81	2.328	10,300	8,343	0.81	2.457	9,950	8,060	0.81	2.628
27	20	11,400	7,866	0.69	2.400	11,150	7,694	0.69	2.514	10,850	7,487	0.69	2.686
27	22	12,150	6,926	0.57	2.457	11,900	6,783	0.57	2.600	11,600	6,612	0.57	2.771
28	16	9,900	9,603	0.97	2.286	9,600	9,312	0.97	2.414	9,300	9,021	0.97	2.557
28	18	10,600	9,010	0.85	2.328	10,300	8,755	0.85	2.457	9,950	8,458	0.85	2.628
28	20	11,400	8,322	0.73	2.400	11,150	8,140	0.73	2.514	10,850	7,921	0.73	2.686
28	22	12,150	7,412	0.61	2.457	11,900	7,259	0.61	2.600	11,600	7,076	0.61	2.771
30	16	9,900	9,900	1.00	2.286	9,600	9,600	1.00	2.414	9,300	9,300	1.00	2.557
30	18	10,600	9,858	0.93	2.328	10,300	9,579	0.93	2.457	9,950	9,254	0.93	2.628
30	20	11,400	9,234	0.81	2.400	11,150	9,032	0.81	2.514	10,850	8,789	0.81	2.686
30	22	12,150	8,384	0.69	2.457	11,900	8,211	0.69	2.600	11,600	8,004	0.69	2.771
32	16	9,900	9,900	1.00	2.286	9,600	9,600	1.00	2.414	9,300	9,300	1.00	2.557
32	18	10,600	10,600	1.00	2.328	10,300	10,300	1.00	2.457	9,950	9,950	1.00	2.628
32	20	11,400	10,146	0.89	2.400	11,150	9,924	0.89	2.514	10,850	9,657	0.89	2.686
32	22	12,150	9,356	0.77	2.457	11,900	9,163	0.77	2.600	11,600	8,932	0.77	2.771
34	16	9,900	9,900	1.00	2.286	9,600	9,600	1.00	2.414	9,300	9,300	1.00	2.557
34	18	10,600	10,600	1.00	2.328	10,300	10,300	1.00	2.457	9,950	9,950	1.00	2.628
34	20	11,400	11,058	0.97	2.400	11,150	10,816	0.97	2.514	10,850	10,525	0.97	2.686
34	22	12,150	10,328	0.85	2.457	11,900	10,115	0.85	2.600	11,600	9,860	0.85	2.771

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,900	5,785	0.65	2.743	8,500	5,525	0.65	2.943	8,100	5,265	0.65	3.186
20	18	9,600	5,088	0.53	2.814	9,300	4,929	0.53	3.028	8,700	4,611	0.53	3.257
20	20	10,400	4,264	0.41	2.886	10,000	4,100	0.41	3.086	9,400	3,854	0.41	3.314
22	16	8,900	6,497	0.73	2.743	8,500	6,205	0.73	2.943	8,100	5,913	0.73	3.186
22	18	9,600	5,856	0.61	2.814	9,300	5,673	0.61	3.028	8,700	5,307	0.61	3.257
22	20	10,400	5,096	0.49	2.886	10,000	4,900	0.49	3.086	9,400	4,606	0.49	3.314
24	16	8,900	7,209	0.81	2.743	8,500	6,885	0.81	2.943	8,100	6,561	0.81	3.186
24	18	9,600	6,624	0.69	2.814	9,300	6,417	0.69	3.028	8,700	6,003	0.69	3.257
24	20	10,400	5,928	0.57	2.886	10,000	5,700	0.57	3.086	9,400	5,358	0.57	3.314
24	22	11,200	5,040	0.45	2.943	10,800	4,860	0.45	3.171	10,200	4,590	0.45	3.371
26	16	8,900	7,921	0.89	2.743	8,500	7,565	0.89	2.943	8,100	7,209	0.89	3.186
26	18	9,600	7,392	0.77	2.814	9,300	7,161	0.77	3.028	8,700	6,699	0.77	3.257
26	20	10,400	6,760	0.65	2.886	10,000	6,500	0.65	3.086	9,400	6,110	0.65	3.314
26	22	11,200	5,936	0.53	2.943	10,800	5,724	0.53	3.171	10,200	5,406	0.53	3.371
27	16	8,900	8,277	0.93	2.743	8,500	7,905	0.93	2.943	8,100	7,533	0.93	3.186
27	18	9,600	7,776	0.81	2.814	9,300	7,533	0.81	3.028	8,700	7,047	0.81	3.257
27	20	10,400	7,176	0.69	2.886	10,000	6,900	0.69	3.086	9,400	6,486	0.69	3.314
27	22	11,200	6,384	0.57	2.943	10,800	6,156	0.57	3.171	10,200	5,814	0.57	3.371
28	16	8,900	8,633	0.97	2.743	8,500	8,245	0.97	2.943	8,100	7,857	0.97	3.186
28	18	9,600	8,160	0.85	2.814	9,300	7,905	0.85	3.028	8,700	7,395	0.85	3.257
28	20	10,400	7,592	0.73	2.886	10,000	7,300	0.73	3.086	9,400	6,862	0.73	3.314
28	22	11,200	6,832	0.61	2.943	10,800	6,588	0.61	3.171	10,200	6,222	0.61	3.371
30	16	8,900	8,900	1.00	2.743	8,500	8,500	1.00	2.943	8,100	8,100	1.00	3.186
30	18	9,600	8,928	0.93	2.814	9,300	8,649	0.93	3.028	8,700	8,091	0.93	3.257
30	20	10,400	8,424	0.81	2.886	10,000	8,100	0.81	3.086	9,400	7,614	0.81	3.314
30	22	11,200	7,728	0.69	2.943	10,800	7,452	0.69	3.171	10,200	7,038	0.69	3.371
32	16	8,900	8,900	1.00	2.743	8,500	8,500	1.00	2.943	8,100	8,100	1.00	3.186
32	18	9,600	9,600	1.00	2.814	9,300	9,300	1.00	3.028	8,700	8,700	1.00	3.257
32	20	10,400	9,256	0.89	2.886	10,000	8,900	0.89	3.086	9,400	8,366	0.89	3.314
32	22	11,200	8,624	0.77	2.943	10,800	8,316	0.77	3.171	10,200	7,854	0.77	3.371
34	16	8,900	8,900	1.00	2.743	8,500	8,500	1.00	2.943	8,100	8,100	1.00	3.186
34	18	9,600	9,600	1.00	2.814	9,300	9,300	1.00	3.028	8,700	8,700	1.00	3.257
34	20	10,400	10,088	0.97	2.886	10,000	9,700	0.97	3.086	9,400	9,118	0.97	3.314
34	22	11,200	9,520	0.85	2.943	10,800	9,180	0.85	3.171	10,200	8,670	0.85	3.371

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-ZM125EA / PUHZ-SHW140YHA(-BS)

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	12,375	7,054	0.57	4.00	12,000	6,840	0.57	4.23	11,625	6,626	0.57	4.48
20	18	13,250	5,963	0.45	4.08	12,875	5,794	0.45	4.30	12,438	5,597	0.45	4.60
20	20	14,250	4,703	0.33	4.20	13,938	4,599	0.33	4.40	13,563	4,476	0.33	4.70
22	16	12,375	8,044	0.65	4.00	12,000	7,800	0.65	4.23	11,625	7,556	0.65	4.48
22	18	13,250	7,023	0.53	4.08	12,875	6,824	0.53	4.30	12,438	6,592	0.53	4.60
22	20	14,250	5,843	0.41	4.20	13,938	5,714	0.41	4.40	13,563	5,561	0.41	4.70
24	16	12,375	9,034	0.73	4.00	12,000	8,760	0.73	4.23	11,625	8,486	0.73	4.48
24	18	13,250	8,083	0.61	4.08	12,875	7,854	0.61	4.30	12,438	7,587	0.61	4.60
24	20	14,250	6,983	0.49	4.20	13,938	6,829	0.49	4.40	13,563	6,646	0.49	4.70
24	22	15,188	5,619	0.37	4.30	14,875	5,504	0.37	4.55	14,500	5,365	0.37	4.85
26	16	12,375	10,024	0.81	4.00	12,000	9,720	0.81	4.23	11,625	9,416	0.81	4.48
26	18	13,250	9,143	0.69	4.08	12,875	8,884	0.69	4.30	12,438	8,582	0.69	4.60
26	20	14,250	8,123	0.57	4.20	13,938	7,944	0.57	4.40	13,563	7,731	0.57	4.70
26	22	15,188	6,834	0.45	4.30	14,875	6,694	0.45	4.55	14,500	6,525	0.45	4.85
27	16	12,375	10,519	0.85	4.00	12,000	10,200	0.85	4.23	11,625	9,881	0.85	4.48
27	18	13,250	9,673	0.73	4.08	12,875	9,399	0.73	4.30	12,438	9,079	0.73	4.60
27	20	14,250	8,693	0.61	4.20	13,938	8,502	0.61	4.40	13,563	8,273	0.61	4.70
27	22	15,188	7,442	0.49	4.30	14,875	7,289	0.49	4.55	14,500	7,105	0.49	4.85
28	16	12,375	11,014	0.89	4.00	12,000	10,680	0.89	4.23	11,625	10,346	0.89	4.48
28	18	13,250	10,203	0.77	4.08	12,875	9,914	0.77	4.30	12,438	9,577	0.77	4.60
28	20	14,250	9,263	0.65	4.20	13,938	9,059	0.65	4.40	13,563	8,816	0.65	4.70
28	22	15,188	8,049	0.53	4.30	14,875	7,884	0.53	4.55	14,500	7,685	0.53	4.85
30	16	12,375	12,004	0.97	4.00	12,000	11,640	0.97	4.23	11,625	11,276	0.97	4.48
30	18	13,250	11,263	0.85	4.08	12,875	10,944	0.85	4.30	12,438	10,572	0.85	4.60
30	20	14,250	10,403	0.73	4.20	13,938	10,174	0.73	4.40	13,563	9,901	0.73	4.70
30	22	15,188	9,264	0.61	4.30	14,875	9,074	0.61	4.55	14,500	8,845	0.61	4.85
32	16	12,375	12,375	1.00	4.00	12,000	12,000	1.00	4.23	11,625	11,625	1.00	4.48
32	18	13,250	12,323	0.93	4.08	12,875	11,974	0.93	4.30	12,438	11,567	0.93	4.60
32	20	14,250	11,543	0.81	4.20	13,938	11,289	0.81	4.40	13,563	10,986	0.81	4.70
32	22	15,188	10,479	0.69	4.30	14,875	10,264	0.69	4.55	14,500	10,005	0.69	4.85
34	16	12,375	12,375	1.00	4.00	12,000	12,000	1.00	4.23	11,625	11,625	1.00	4.48
34	18	13,250	13,250	1.00	4.08	12,875	12,875	1.00	4.30	12,438	12,438	1.00	4.60
34	20	14,250	12,683	0.89	4.20	13,938	12,404	0.89	4.40	13,563	12,071	0.89	4.70
34	22	15,188	11,694	0.77	4.30	14,875	11,454	0.77	4.55	14,500	11,165	0.77	4.85

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,125	6,341	0.57	4.80	10,625	6,056	0.57	5.15	10,125	5,771	0.57	5.58
20	18	12,000	5,400	0.45	4.93	11,625	5,231	0.45	5.30	10,875	4,894	0.45	5.70
20	20	13,000	4,290	0.33	5.05	12,500	4,125	0.33	5.40	11,750	3,878	0.33	5.80
22	16	11,125	7,231	0.65	4.80	10,625	6,906	0.65	5.15	10,125	6,581	0.65	5.58
22	18	12,000	6,360	0.53	4.93	11,625	6,161	0.53	5.30	10,875	5,764	0.53	5.70
22	20	13,000	5,330	0.41	5.05	12,500	5,125	0.41	5.40	11,750	4,818	0.41	5.80
24	16	11,125	8,121	0.73	4.80	10,625	7,756	0.73	5.15	10,125	7,391	0.73	5.58
24	18	12,000	7,320	0.61	4.93	11,625	7,091	0.61	5.30	10,875	6,634	0.61	5.70
24	20	13,000	6,370	0.49	5.05	12,500	6,125	0.49	5.40	11,750	5,758	0.49	5.80
24	22	14,000	5,180	0.37	5.15	13,500	4,995	0.37	5.55	12,750	4,718	0.37	5.90
26	16	11,125	9,011	0.81	4.80	10,625	8,606	0.81	5.15	10,125	8,201	0.81	5.58
26	18	12,000	8,280	0.69	4.93	11,625	8,021	0.69	5.30	10,875	7,504	0.69	5.70
26	20	13,000	7,410	0.57	5.05	12,500	7,125	0.57	5.40	11,750	6,698	0.57	5.80
26	22	14,000	6,300	0.45	5.15	13,500	6,075	0.45	5.55	12,750	5,738	0.45	5.90
27	16	11,125	9,456	0.85	4.80	10,625	9,031	0.85	5.15	10,125	8,606	0.85	5.58
27	18	12,000	8,760	0.73	4.93	11,625	8,486	0.73	5.30	10,875	7,939	0.73	5.70
27	20	13,000	7,930	0.61	5.05	12,500	7,625	0.61	5.40	11,750	7,168	0.61	5.80
27	22	14,000	6,860	0.49	5.15	13,500	6,615	0.49	5.55	12,750	6,248	0.49	5.90
28	16	11,125	9,901	0.89	4.80	10,625	9,456	0.89	5.15	10,125	9,011	0.89	5.58
28	18	12,000	9,240	0.77	4.93	11,625	8,951	0.77	5.30	10,875	8,374	0.77	5.70
28	20	13,000	8,450	0.65	5.05	12,500	8,125	0.65	5.40	11,750	7,638	0.65	5.80
28	22	14,000	7,420	0.53	5.15	13,500	7,155	0.53	5.55	12,750	6,758	0.53	5.90
30	16	11,125	10,791	0.97	4.80	10,625	10,306	0.97	5.15	10,125	9,821	0.97	5.58
30	18	12,000	10,200	0.85	4.93	11,625	9,881	0.85	5.30	10,875	9,244	0.85	5.70
30	20	13,000	9,490	0.73	5.05	12,500	9,125	0.73	5.40	11,750	8,578	0.73	5.80
30	22	14,000	8,540	0.61	5.15	13,500	8,235	0.61	5.55	12,750	7,778	0.61	5.90
32	16	11,125	11,125	1.00	4.80	10,625	10,625	1.00	5.15	10,125	10,125	1.00	5.58
32	18	12,000	11,160	0.93	4.93	11,625	10,811	0.93	5.30	10,875	10,114	0.93	5.70
32	20	13,000	10,530	0.81	5.05	12,500	10,125	0.81	5.40	11,750	9,518	0.81	5.80
32	22	14,000	9,660	0.69	5.15	13,500	9,315	0.69	5.55	12,750	8,798	0.69	5.90
34	16	11,125	11,125	1.00	4.80	10,625	10,625	1.00	5.15	10,125	10,125	1.00	5.58
34	18	12,000	12,000	1.00	4.93	11,625	11,625	1.00	5.30	10,875	10,875	1.00	5.70
34	20	13,000	11,570	0.89	5.05	12,500	11,125	0.89	5.40	11,750	10,458	0.89	5.80
34	22	14,000	10,780	0.77	5.15	13,500	10,395	0.77	5.55	12,750	9,818	0.77	5.90

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PLA-M100EA / PUHZ-SHW112VHA(-BS) PUHZ-SHW112YHA(-BS)

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,900	6,831	0.69	2.352	9,600	6,624	0.69	2.484	9,300	6,417	0.69	2.631
20	18	10,600	6,042	0.57	2.396	10,300	5,871	0.57	2.528	9,950	5,672	0.57	2.705
20	20	11,400	5,130	0.45	2.470	11,150	5,018	0.45	2.587	10,850	4,883	0.45	2.764
22	16	9,900	7,623	0.77	2.352	9,600	7,392	0.77	2.484	9,300	7,161	0.77	2.631
22	18	10,600	6,890	0.65	2.396	10,300	6,695	0.65	2.528	9,950	6,468	0.65	2.705
22	20	11,400	6,042	0.53	2.470	11,150	5,910	0.53	2.587	10,850	5,751	0.53	2.764
24	16	9,900	8,415	0.85	2.352	9,600	8,160	0.85	2.484	9,300	7,905	0.85	2.631
24	18	10,600	7,738	0.73	2.396	10,300	7,519	0.73	2.528	9,950	7,264	0.73	2.705
24	20	11,400	6,954	0.61	2.470	11,150	6,802	0.61	2.587	10,850	6,619	0.61	2.764
24	22	12,150	5,954	0.49	2.528	11,900	5,831	0.49	2.675	11,600	5,684	0.49	2.852
26	16	9,900	9,207	0.93	2.352	9,600	8,928	0.93	2.484	9,300	8,649	0.93	2.631
26	18	10,600	8,586	0.81	2.396	10,300	8,343	0.81	2.528	9,950	8,060	0.81	2.705
26	20	11,400	7,866	0.69	2.470	11,150	7,694	0.69	2.587	10,850	7,487	0.69	2.764
26	22	12,150	6,926	0.57	2.528	11,900	6,783	0.57	2.675	11,600	6,612	0.57	2.852
27	16	9,900	9,603	0.97	2.352	9,600	9,312	0.97	2.484	9,300	9,021	0.97	2.631
27	18	10,600	9,010	0.85	2.396	10,300	8,755	0.85	2.528	9,950	8,458	0.85	2.705
27	20	11,400	8,322	0.73	2.470	11,150	8,140	0.73	2.587	10,850	7,921	0.73	2.764
27	22	12,150	7,412	0.61	2.528	11,900	7,259	0.61	2.675	11,600	7,076	0.61	2.852
28	16	9,900	9,900	1.00	2.352	9,600	9,600	1.00	2.484	9,300	9,300	1.00	2.631
28	18	10,600	9,434	0.89	2.396	10,300	9,167	0.89	2.528	9,950	8,856	0.89	2.705
28	20	11,400	8,778	0.77	2.470	11,150	8,586	0.77	2.587	10,850	8,355	0.77	2.764
28	22	12,150	7,898	0.65	2.528	11,900	7,735	0.65	2.675	11,600	7,540	0.65	2.852
30	16	9,900	9,900	1.00	2.352	9,600	9,600	1.00	2.484	9,300	9,300	1.00	2.631
30	18	10,600	10,282	0.97	2.396	10,300	9,991	0.97	2.528	9,950	9,652	0.97	2.705
30	20	11,400	9,690	0.85	2.470	11,150	9,478	0.85	2.587	10,850	9,223	0.85	2.764
30	22	12,150	8,870	0.73	2.528	11,900	8,687	0.73	2.675	11,600	8,468	0.73	2.852
32	16	9,900	9,900	1.00	2.352	9,600	9,600	1.00	2.484	9,300	9,300	1.00	2.631
32	18	10,600	10,600	1.00	2.396	10,300	10,300	1.00	2.528	9,950	9,950	1.00	2.705
32	20	11,400	10,602	0.93	2.470	11,150	10,370	0.93	2.587	10,850	10,091	0.93	2.764
32	22	12,150	9,842	0.81	2.528	11,900	9,639	0.81	2.675	11,600	9,396	0.81	2.852
34	16	9,900	9,900	1.00	2.352	9,600	9,600	1.00	2.484	9,300	9,300	1.00	2.631
34	18	10,600	10,600	1.00	2.396	10,300	10,300	1.00	2.528	9,950	9,950	1.00	2.705
34	20	11,400	11,400	1.00	2.470	11,150	11,150	1.00	2.587	10,850	10,850	1.00	2.764
34	22	12,150	10,814	0.89	2.528	11,900	10,591	0.89	2.675	11,600	10,324	0.89	2.852

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,900	6,141	0.69	2.822	8,500	5,865	0.69	3.028	8,100	5,589	0.69	3.278
20	18	9,600	5,472	0.57	2.896	9,300	5,301	0.57	3.116	8,700	4,959	0.57	3.352
20	20	10,400	4,680	0.45	2.969	10,000	4,500	0.45	3.175	9,400	4,230	0.45	3.410
22	16	8,900	6,853	0.77	2.822	8,500	6,545	0.77	3.028	8,100	6,237	0.77	3.278
22	18	9,600	6,240	0.65	2.896	9,300	6,045	0.65	3.116	8,700	5,655	0.65	3.352
22	20	10,400	5,512	0.53	2.969	10,000	5,300	0.53	3.175	9,400	4,982	0.53	3.410
24	16	8,900	7,565	0.85	2.822	8,500	7,225	0.85	3.028	8,100	6,885	0.85	3.278
24	18	9,600	7,008	0.73	2.896	9,300	6,789	0.73	3.116	8,700	6,351	0.73	3.352
24	20	10,400	6,344	0.61	2.969	10,000	6,100	0.61	3.175	9,400	5,734	0.61	3.410
24	22	11,200	5,488	0.49	3.028	10,800	5,292	0.49	3.263	10,200	4,998	0.49	3.469
26	16	8,900	8,277	0.93	2.822	8,500	7,905	0.93	3.028	8,100	7,533	0.93	3.278
26	18	9,600	7,776	0.81	2.896	9,300	7,533	0.81	3.116	8,700	7,047	0.81	3.352
26	20	10,400	7,176	0.69	2.969	10,000	6,900	0.69	3.175	9,400	6,486	0.69	3.410
26	22	11,200	6,384	0.57	3.028	10,800	6,156	0.57	3.263	10,200	5,814	0.57	3.469
27	16	8,900	8,633	0.97	2.822	8,500	8,245	0.97	3.028	8,100	7,857	0.97	3.278
27	18	9,600	8,160	0.85	2.896	9,300	7,905	0.85	3.116	8,700	7,395	0.85	3.352
27	20	10,400	7,592	0.73	2.969	10,000	7,300	0.73	3.175	9,400	6,862	0.73	3.410
27	22	11,200	6,832	0.61	3.028	10,800	6,588	0.61	3.263	10,200	6,222	0.61	3.469
28	16	8,900	8,900	1.00	2.822	8,500	8,500	1.00	3.028	8,100	8,100	1.00	3.278
28	18	9,600	8,544	0.89	2.896	9,300	8,277	0.89	3.116	8,700	7,743	0.89	3.352
28	20	10,400	8,008	0.77	2.969	10,000	7,700	0.77	3.175	9,400	7,238	0.77	3.410
28	22	11,200	7,280	0.65	3.028	10,800	7,020	0.65	3.263	10,200	6,630	0.65	3.469
30	16	8,900	8,900	1.00	2.822	8,500	8,500	1.00	3.028	8,100	8,100	1.00	3.278
30	18	9,600	9,312	0.97	2.896	9,300	9,021	0.97	3.116	8,700	8,439	0.97	3.352
30	20	10,400	8,840	0.85	2.969	10,000	8,500	0.85	3.175	9,400	7,990	0.85	3.410
30	22	11,200	8,176	0.73	3.028	10,800	7,884	0.73	3.263	10,200	7,446	0.73	3.469
32	16	8,900	8,900	1.00	2.822	8,500	8,500	1.00	3.028	8,100	8,100	1.00	3.278
32	18	9,600	9,600	1.00	2.896	9,300	9,300	1.00	3.116	8,700	8,700	1.00	3.352
32	20	10,400	9,672	0.93	2.969	10,000	9,300	0.93	3.175	9,400	8,742	0.93	3.410
32	22	11,200	9,072	0.81	3.028	10,800	8,748	0.81	3.263	10,200	8,262	0.81	3.469
34	16	8,900	8,900	1.00	2.822	8,500	8,500	1.00	3.028	8,100	8,100	1.00	3.278
34	18	9,600	9,600	1.00	2.896	9,300	9,300	1.00	3.116	8,700	8,700	1.00	3.352
34	20	10,400	10,400	1.00	2.969	10,000	10,000	1.00	3.175	9,400	9,400	1.00	3.410
34	22	11,200	9,968	0.89	3.028	10,800	9,612	0.89	3.263	10,200	9,078	0.89	3.469

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M125EA / PUHZ-SHW140YHA(-BS)

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	12,375	8,415	0.68	4.000	12,000	8,160	0.68	4.225	11,625	7,905	0.68	4.475
20	18	13,250	7,420	0.56	4.075	12,875	7,210	0.56	4.300	12,438	6,965	0.56	4.600
20	20	14,250	6,270	0.44	4.200	13,938	6,133	0.44	4.400	13,563	5,968	0.44	4.700
22	16	12,375	9,405	0.76	4.000	12,000	9,120	0.76	4.225	11,625	8,835	0.76	4.475
22	18	13,250	8,480	0.64	4.075	12,875	8,240	0.64	4.300	12,438	7,960	0.64	4.600
22	20	14,250	7,410	0.52	4.200	13,938	7,248	0.52	4.400	13,563	7,053	0.52	4.700
24	16	12,375	10,395	0.84	4.000	12,000	10,080	0.84	4.225	11,625	9,765	0.84	4.475
24	18	13,250	9,540	0.72	4.075	12,875	9,270	0.72	4.300	12,438	8,955	0.72	4.600
24	20	14,250	8,550	0.60	4.200	13,938	8,363	0.60	4.400	13,563	8,138	0.60	4.700
24	22	15,188	7,290	0.48	4.300	14,875	7,140	0.48	4.550	14,500	6,960	0.48	4.850
26	16	12,375	11,385	0.92	4.000	12,000	11,040	0.92	4.225	11,625	10,695	0.92	4.475
26	18	13,250	10,600	0.80	4.075	12,875	10,300	0.80	4.300	12,438	9,950	0.80	4.600
26	20	14,250	9,690	0.68	4.200	13,938	9,478	0.68	4.400	13,563	9,223	0.68	4.700
26	22	15,188	8,505	0.56	4.300	14,875	8,330	0.56	4.550	14,500	8,120	0.56	4.850
27	16	12,375	11,880	0.96	4.000	12,000	11,520	0.96	4.225	11,625	11,160	0.96	4.475
27	18	13,250	11,130	0.84	4.075	12,875	10,815	0.84	4.300	12,438	10,448	0.84	4.600
27	20	14,250	10,260	0.72	4.200	13,938	10,035	0.72	4.400	13,563	9,765	0.72	4.700
27	22	15,188	9,113	0.60	4.300	14,875	8,925	0.60	4.550	14,500	8,700	0.60	4.850
28	16	12,375	12,375	1.00	4.000	12,000	12,000	1.00	4.225	11,625	11,625	1.00	4.475
28	18	13,250	11,660	0.88	4.075	12,875	11,330	0.88	4.300	12,438	10,945	0.88	4.600
28	20	14,250	10,830	0.76	4.200	13,938	10,593	0.76	4.400	13,563	10,308	0.76	4.700
28	22	15,188	9,720	0.64	4.300	14,875	9,520	0.64	4.550	14,500	9,280	0.64	4.850
30	16	12,375	12,375	1.00	4.000	12,000	12,000	1.00	4.225	11,625	11,625	1.00	4.475
30	18	13,250	12,720	0.96	4.075	12,875	12,360	0.96	4.300	12,438	11,940	0.96	4.600
30	20	14,250	11,970	0.84	4.200	13,938	11,708	0.84	4.400	13,563	11,393	0.84	4.700
30	22	15,188	10,935	0.72	4.300	14,875	10,710	0.72	4.550	14,500	10,440	0.72	4.850
32	16	12,375	12,375	1.00	4.000	12,000	12,000	1.00	4.225	11,625	11,625	1.00	4.475
32	18	13,250	13,250	1.00	4.075	12,875	12,875	1.00	4.300	12,438	12,438	1.00	4.600
32	20	14,250	13,110	0.92	4.200	13,938	12,823	0.92	4.400	13,563	12,478	0.92	4.700
32	22	15,188	12,150	0.80	4.300	14,875	11,900	0.80	4.550	14,500	11,600	0.80	4.850
34	16	12,375	12,375	1.00	4.000	12,000	12,000	1.00	4.225	11,625	11,625	1.00	4.475
34	18	13,250	13,250	1.00	4.075	12,875	12,875	1.00	4.300	12,438	12,438	1.00	4.600
34	20	14,250	14,250	1.00	4.200	13,938	13,938	1.00	4.400	13,563	13,563	1.00	4.700
34	22	15,188	13,365	0.88	4.300	14,875	13,090	0.88	4.550	14,500	12,760	0.88	4.850

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,125	7,565	0.68	4.800	10,625	7,225	0.68	5.150	10,125	6,885	0.68	5.575
20	18	12,000	6,720	0.56	4.925	11,625	6,510	0.56	5.300	10,875	6,090	0.56	5.700
20	20	13,000	5,720	0.44	5.050	12,500	5,500	0.44	5.400	11,750	5,170	0.44	5.800
22	16	11,125	8,455	0.76	4.800	10,625	8,075	0.76	5.150	10,125	7,695	0.76	5.575
22	18	12,000	7,680	0.64	4.925	11,625	7,440	0.64	5.300	10,875	6,960	0.64	5.700
22	20	13,000	6,760	0.52	5.050	12,500	6,500	0.52	5.400	11,750	6,110	0.52	5.800
24	16	11,125	9,345	0.84	4.800	10,625	8,925	0.84	5.150	10,125	8,505	0.84	5.575
24	18	12,000	8,640	0.72	4.925	11,625	8,370	0.72	5.300	10,875	7,830	0.72	5.700
24	20	13,000	7,800	0.60	5.050	12,500	7,500	0.60	5.400	11,750	7,050	0.60	5.800
24	22	14,000	6,720	0.48	5.150	13,500	6,480	0.48	5.550	12,750	6,120	0.48	5.900
26	16	11,125	10,235	0.92	4.800	10,625	9,775	0.92	5.150	10,125	9,315	0.92	5.575
26	18	12,000	9,600	0.80	4.925	11,625	9,300	0.80	5.300	10,875	8,700	0.80	5.700
26	20	13,000	8,840	0.68	5.050	12,500	8,500	0.68	5.400	11,750	7,990	0.68	5.800
26	22	14,000	7,840	0.56	5.150	13,500	7,560	0.56	5.550	12,750	7,140	0.56	5.900
27	16	11,125	10,680	0.96	4.800	10,625	10,200	0.96	5.150	10,125	9,720	0.96	5.575
27	18	12,000	10,080	0.84	4.925	11,625	9,765	0.84	5.300	10,875	9,135	0.84	5.700
27	20	13,000	9,360	0.72	5.050	12,500	9,000	0.72	5.400	11,750	8,460	0.72	5.800
27	22	14,000	8,400	0.60	5.150	13,500	8,100	0.60	5.550	12,750	7,650	0.60	5.900
28	16	11,125	11,125	1.00	4.800	10,625	10,625	1.00	5.150	10,125	10,125	1.00	5.575
28	18	12,000	10,560	0.88	4.925	11,625	10,230	0.88	5.300	10,875	9,570	0.88	5.700
28	20	13,000	9,880	0.76	5.050	12,500	9,500	0.76	5.400	11,750	8,930	0.76	5.800
28	22	14,000	8,960	0.64	5.150	13,500	8,640	0.64	5.550	12,750	8,160	0.64	5.900
30	16	11,125	11,125	1.00	4.800	10,625	10,625	1.00	5.150	10,125	10,125	1.00	5.575
30	18	12,000	11,520	0.96	4.925	11,625	11,160	0.96	5.300	10,875	10,440	0.96	5.700
30	20	13,000	10,920	0.84	5.050	12,500	10,500	0.84	5.400	11,750	9,870	0.84	5.800
30	22	14,000	10,080	0.72	5.150	13,500	9,720	0.72	5.550	12,750	9,180	0.72	5.900
32	16	11,125	11,125	1.00	4.800	10,625	10,625	1.00	5.150	10,125	10,125	1.00	5.575
32	18	12,000	12,000	1.00	4.925	11,625	11,625	1.00	5.300	10,875	10,875	1.00	5.700
32	20	13,000	11,960	0.92	5.050	12,500	11,500	0.92	5.400	11,750	10,810	0.92	5.800
32	22	14,000	11,200	0.80	5.150	13,500	10,800	0.80	5.550	12,750	10,200	0.80	5.900
34	16	11,125	11,125	1.00	4.800	10,625	10,625	1.00	5.150	10,125	10,125	1.00	5.575
34	18	12,000	12,000	1.00	4.925	11,625	11,625	1.00	5.300	10,875	10,875	1.00	5.700
34	20	13,000	13,000	1.00	5.050	12,500	12,500	1.00	5.400	11,750	11,750	1.00	5.800
34	22	14,000	12,320	0.88	5.150	13,500	11,880	0.88	5.550	12,750	11,220	0.88	5.900

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-ZM35EA / PUHZ-ZRP35VKA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	3,564	2,922	0.82	0.62	3,456	2,834	0.82	0.66	3,348	2,745	0.82	0.70
20	18	3,816	2,671	0.70	0.64	3,708	2,596	0.70	0.67	3,582	2,507	0.70	0.72
20	20	4,104	2,380	0.58	0.66	4,014	2,328	0.58	0.69	3,906	2,265	0.58	0.73
22	16	3,564	3,208	0.90	0.62	3,456	3,110	0.90	0.66	3,348	3,013	0.90	0.70
22	18	3,816	2,976	0.78	0.64	3,708	2,892	0.78	0.67	3,582	2,794	0.78	0.72
22	20	4,104	2,709	0.66	0.66	4,014	2,649	0.66	0.69	3,906	2,578	0.66	0.73
24	16	3,564	3,493	0.98	0.62	3,456	3,387	0.98	0.66	3,348	3,281	0.98	0.70
24	18	3,816	3,282	0.86	0.64	3,708	3,189	0.86	0.67	3,582	3,081	0.86	0.72
24	20	4,104	3,037	0.74	0.66	4,014	2,970	0.74	0.69	3,906	2,890	0.74	0.73
24	22	4,374	2,712	0.62	0.67	4,284	2,656	0.62	0.71	4,176	2,589	0.62	0.76
26	16	3,564	3,564	1.00	0.62	3,456	3,456	1.00	0.66	3,348	3,348	1.00	0.70
26	18	3,816	3,587	0.94	0.64	3,708	3,486	0.94	0.67	3,582	3,367	0.94	0.72
26	20	4,104	3,365	0.82	0.66	4,014	3,291	0.82	0.69	3,906	3,203	0.82	0.73
26	22	4,374	3,062	0.70	0.67	4,284	2,999	0.70	0.71	4,176	2,923	0.70	0.76
27	16	3,564	3,564	1.00	0.62	3,456	3,456	1.00	0.66	3,348	3,348	1.00	0.70
27	18	3,816	3,740	0.98	0.64	3,708	3,634	0.98	0.67	3,582	3,510	0.98	0.72
27	20	4,104	3,529	0.86	0.66	4,014	3,452	0.86	0.69	3,906	3,359	0.86	0.73
27	22	4,374	3,237	0.74	0.67	4,284	3,170	0.74	0.71	4,176	3,090	0.74	0.76
28	16	3,564	3,564	1.00	0.62	3,456	3,456	1.00	0.66	3,348	3,348	1.00	0.70
28	18	3,816	3,816	1.00	0.64	3,708	3,708	1.00	0.67	3,582	3,582	1.00	0.72
28	20	4,104	3,694	0.90	0.66	4,014	3,613	0.90	0.69	3,906	3,515	0.90	0.73
28	22	4,374	3,412	0.78	0.67	4,284	3,342	0.78	0.71	4,176	3,257	0.78	0.76
30	16	3,564	3,564	1.00	0.62	3,456	3,456	1.00	0.66	3,348	3,348	1.00	0.70
30	18	3,816	3,816	1.00	0.64	3,708	3,708	1.00	0.67	3,582	3,582	1.00	0.72
30	20	4,104	4,022	0.98	0.66	4,014	3,934	0.98	0.69	3,906	3,828	0.98	0.73
30	22	4,374	3,762	0.86	0.67	4,284	3,684	0.86	0.71	4,176	3,591	0.86	0.76
32	16	3,564	3,564	1.00	0.62	3,456	3,456	1.00	0.66	3,348	3,348	1.00	0.70
32	18	3,816	3,816	1.00	0.64	3,708	3,708	1.00	0.67	3,582	3,582	1.00	0.72
32	20	4,104	4,104	1.00	0.66	4,014	4,014	1.00	0.69	3,906	3,906	1.00	0.73
32	22	4,374	4,112	0.94	0.67	4,284	4,027	0.94	0.71	4,176	3,925	0.94	0.76
34	16	3,564	3,564	1.00	0.62	3,456	3,456	1.00	0.66	3,348	3,348	1.00	0.70
34	18	3,816	3,816	1.00	0.64	3,708	3,708	1.00	0.67	3,582	3,582	1.00	0.72
34	20	4,104	4,104	1.00	0.66	4,014	4,014	1.00	0.69	3,906	3,906	1.00	0.73
34	22	4,374	4,374	1.00	0.67	4,284	4,284	1.00	0.71	4,176	4,176	1.00	0.76

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	3,204	2,627	0.82	0.75	3,060	2,509	0.82	0.80	2,916	2,391	0.82	0.87
20	18	3,456	2,419	0.70	0.77	3,348	2,344	0.70	0.83	3,132	2,192	0.70	0.89
20	20	3,744	2,172	0.58	0.79	3,600	2,088	0.58	0.84	3,384	1,963	0.58	0.90
22	16	3,204	2,884	0.90	0.75	3,060	2,754	0.90	0.80	2,916	2,624	0.90	0.87
22	18	3,456	2,696	0.78	0.77	3,348	2,611	0.78	0.83	3,132	2,443	0.78	0.89
22	20	3,744	2,471	0.66	0.79	3,600	2,376	0.66	0.84	3,384	2,233	0.66	0.90
24	16	3,204	3,140	0.98	0.75	3,060	2,999	0.98	0.80	2,916	2,858	0.98	0.87
24	18	3,456	2,972	0.86	0.77	3,348	2,879	0.86	0.83	3,132	2,694	0.86	0.89
24	20	3,744	2,771	0.74	0.79	3,600	2,664	0.74	0.84	3,384	2,504	0.74	0.90
24	22	4,032	2,500	0.62	0.80	3,888	2,411	0.62	0.87	3,672	2,277	0.62	0.92
26	16	3,204	3,204	1.00	0.75	3,060	3,060	1.00	0.80	2,916	2,916	1.00	0.87
26	18	3,456	3,249	0.94	0.77	3,348	3,147	0.94	0.83	3,132	2,944	0.94	0.89
26	20	3,744	3,070	0.82	0.79	3,600	2,952	0.82	0.84	3,384	2,775	0.82	0.90
26	22	4,032	2,822	0.70	0.80	3,888	2,722	0.70	0.87	3,672	2,570	0.70	0.92
27	16	3,204	3,204	1.00	0.75	3,060	3,060	1.00	0.80	2,916	2,916	1.00	0.87
27	18	3,456	3,387	0.98	0.77	3,348	3,281	0.98	0.83	3,132	3,069	0.98	0.89
27	20	3,744	3,220	0.86	0.79	3,600	3,096	0.86	0.84	3,384	2,910	0.86	0.90
27	22	4,032	2,984	0.74	0.80	3,888	2,877	0.74	0.87	3,672	2,717	0.74	0.92
28	16	3,204	3,204	1.00	0.75	3,060	3,060	1.00	0.80	2,916	2,916	1.00	0.87
28	18	3,456	3,456	1.00	0.77	3,348	3,348	1.00	0.83	3,132	3,132	1.00	0.89
28	20	3,744	3,370	0.90	0.79	3,600	3,240	0.90	0.84	3,384	3,046	0.90	0.90
28	22	4,032	3,145	0.78	0.80	3,888	3,033	0.78	0.87	3,672	2,864	0.78	0.92
30	16	3,204	3,204	1.00	0.75	3,060	3,060	1.00	0.80	2,916	2,916	1.00	0.87
30	18	3,456	3,456	1.00	0.77	3,348	3,348	1.00	0.83	3,132	3,132	1.00	0.89
30	20	3,744	3,669	0.98	0.79	3,600	3,528	0.98	0.84	3,384	3,316	0.98	0.90
30	22	4,032	3,468	0.86	0.80	3,888	3,344	0.86	0.87	3,672	3,158	0.86	0.92
32	16	3,204	3,204	1.00	0.75	3,060	3,060	1.00	0.80	2,916	2,916	1.00	0.87
32	18	3,456	3,456	1.00	0.77	3,348	3,348	1.00	0.83	3,132	3,132	1.00	0.89
32	20	3,744	3,744	1.00	0.79	3,600	3,600	1.00	0.84	3,384	3,384	1.00	0.90
32	22	4,032	3,790	0.94	0.80	3,888	3,655	0.94	0.87	3,672	3,452	0.94	0.92
34	16	3,204	3,204	1.00	0.75	3,060	3,060	1.00	0.80	2,916	2,916	1.00	0.87
34	18	3,456	3,456	1.00	0.77	3,348	3,348	1.00	0.83	3,132	3,132	1.00	0.89
34	20	3,744	3,744	1.00	0.79	3,600	3,600	1.00	0.84	3,384	3,384	1.00	0.90
34	22	4,032	4,032	1.00	0.80	3,888	3,888	1.00	0.87	3,672	3,672	1.00	0.92

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-ZM50EA / PUHZ-ZRP50VKA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	4,950	3,614	0.73	1.06	4,800	3,504	0.73	1.12	4,650	3,395	0.73	1.19
20	18	5,300	3,233	0.61	1.08	5,150	3,142	0.61	1.14	4,975	3,035	0.61	1.22
20	20	5,700	2,793	0.49	1.12	5,575	2,732	0.49	1.17	5,425	2,658	0.49	1.25
22	16	4,950	4,010	0.81	1.06	4,800	3,888	0.81	1.12	4,650	3,767	0.81	1.19
22	18	5,300	3,657	0.69	1.08	5,150	3,554	0.69	1.14	4,975	3,433	0.69	1.22
22	20	5,700	3,249	0.57	1.12	5,575	3,178	0.57	1.17	5,425	3,092	0.57	1.25
24	16	4,950	4,406	0.89	1.06	4,800	4,272	0.89	1.12	4,650	4,139	0.89	1.19
24	18	5,300	4,081	0.77	1.08	5,150	3,966	0.77	1.14	4,975	3,831	0.77	1.22
24	20	5,700	3,705	0.65	1.12	5,575	3,624	0.65	1.17	5,425	3,526	0.65	1.25
24	22	6,075	3,220	0.53	1.14	5,950	3,154	0.53	1.21	5,800	3,074	0.53	1.29
26	16	4,950	4,802	0.97	1.06	4,800	4,656	0.97	1.12	4,650	4,511	0.97	1.19
26	18	5,300	4,505	0.85	1.08	5,150	4,378	0.85	1.14	4,975	4,229	0.85	1.22
26	20	5,700	4,161	0.73	1.12	5,575	4,070	0.73	1.17	5,425	3,960	0.73	1.25
26	22	6,075	3,706	0.61	1.14	5,950	3,630	0.61	1.21	5,800	3,538	0.61	1.29
27	16	4,950	4,950	1.00	1.06	4,800	4,800	1.00	1.12	4,650	4,650	1.00	1.19
27	18	5,300	4,717	0.89	1.08	5,150	4,584	0.89	1.14	4,975	4,428	0.89	1.22
27	20	5,700	4,389	0.77	1.12	5,575	4,293	0.77	1.17	5,425	4,177	0.77	1.25
27	22	6,075	3,949	0.65	1.14	5,950	3,868	0.65	1.21	5,800	3,770	0.65	1.29
28	16	4,950	4,950	1.00	1.06	4,800	4,800	1.00	1.12	4,650	4,650	1.00	1.19
28	18	5,300	4,929	0.93	1.08	5,150	4,790	0.93	1.14	4,975	4,627	0.93	1.22
28	20	5,700	4,617	0.81	1.12	5,575	4,516	0.81	1.17	5,425	4,394	0.81	1.25
28	22	6,075	4,192	0.69	1.14	5,950	4,106	0.69	1.21	5,800	4,002	0.69	1.29
30	16	4,950	4,950	1.00	1.06	4,800	4,800	1.00	1.12	4,650	4,650	1.00	1.19
30	18	5,300	5,300	1.00	1.08	5,150	5,150	1.00	1.14	4,975	4,975	1.00	1.22
30	20	5,700	5,073	0.89	1.12	5,575	4,962	0.89	1.17	5,425	4,828	0.89	1.25
30	22	6,075	4,678	0.77	1.14	5,950	4,582	0.77	1.21	5,800	4,466	0.77	1.29
32	16	4,950	4,950	1.00	1.06	4,800	4,800	1.00	1.12	4,650	4,650	1.00	1.19
32	18	5,300	5,300	1.00	1.08	5,150	5,150	1.00	1.14	4,975	4,975	1.00	1.22
32	20	5,700	5,529	0.97	1.12	5,575	5,408	0.97	1.17	5,425	5,262	0.97	1.25
32	22	6,075	5,164	0.85	1.14	5,950	5,058	0.85	1.21	5,800	4,930	0.85	1.29
34	16	4,950	4,950	1.00	1.06	4,800	4,800	1.00	1.12	4,650	4,650	1.00	1.19
34	18	5,300	5,300	1.00	1.08	5,150	5,150	1.00	1.14	4,975	4,975	1.00	1.22
34	20	5,700	5,700	1.00	1.12	5,575	5,575	1.00	1.17	5,425	5,425	1.00	1.25
34	22	6,075	5,650	0.93	1.14	5,950	5,534	0.93	1.21	5,800	5,394	0.93	1.29

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	4,450	3,249	0.73	1.28	4,250	3,103	0.73	1.37	4,050	2,957	0.73	1.48
20	18	4,800	2,928	0.61	1.31	4,650	2,837	0.61	1.41	4,350	2,654	0.61	1.52
20	20	5,200	2,548	0.49	1.34	5,000	2,450	0.49	1.44	4,700	2,303	0.49	1.54
22	16	4,450	3,605	0.81	1.28	4,250	3,443	0.81	1.37	4,050	3,281	0.81	1.48
22	18	4,800	3,312	0.69	1.31	4,650	3,209	0.69	1.41	4,350	3,002	0.69	1.52
22	20	5,200	2,964	0.57	1.34	5,000	2,850	0.57	1.44	4,700	2,679	0.57	1.54
24	16	4,450	3,961	0.89	1.28	4,250	3,783	0.89	1.37	4,050	3,605	0.89	1.48
24	18	4,800	3,696	0.77	1.31	4,650	3,581	0.77	1.41	4,350	3,350	0.77	1.52
24	20	5,200	3,380	0.65	1.34	5,000	3,250	0.65	1.44	4,700	3,055	0.65	1.54
24	22	5,600	2,968	0.53	1.37	5,400	2,862	0.53	1.48	5,100	2,703	0.53	1.57
26	16	4,450	4,317	0.97	1.28	4,250	4,123	0.97	1.37	4,050	3,929	0.97	1.48
26	18	4,800	4,080	0.85	1.31	4,650	3,953	0.85	1.41	4,350	3,698	0.85	1.52
26	20	5,200	3,796	0.73	1.34	5,000	3,650	0.73	1.44	4,700	3,431	0.73	1.54
26	22	5,600	3,416	0.61	1.37	5,400	3,294	0.61	1.48	5,100	3,111	0.61	1.57
27	16	4,450	4,450	1.00	1.28	4,250	4,250	1.00	1.37	4,050	4,050	1.00	1.48
27	18	4,800	4,272	0.89	1.31	4,650	4,139	0.89	1.41	4,350	3,872	0.89	1.52
27	20	5,200	4,004	0.77	1.34	5,000	3,850	0.77	1.44	4,700	3,619	0.77	1.54
27	22	5,600	3,640	0.65	1.37	5,400	3,510	0.65	1.48	5,100	3,315	0.65	1.57
28	16	4,450	4,450	1.00	1.28	4,250	4,250	1.00	1.37	4,050	4,050	1.00	1.48
28	18	4,800	4,464	0.93	1.31	4,650	4,325	0.93	1.41	4,350	4,046	0.93	1.52
28	20	5,200	4,212	0.81	1.34	5,000	4,050	0.81	1.44	4,700	3,807	0.81	1.54
28	22	5,600	3,864	0.69	1.37	5,400	3,726	0.69	1.48	5,100	3,519	0.69	1.57
30	16	4,450	4,450	1.00	1.28	4,250	4,250	1.00	1.37	4,050	4,050	1.00	1.48
30	18	4,800	4,800	1.00	1.31	4,650	4,650	1.00	1.41	4,350	4,350	1.00	1.52
30	20	5,200	4,628	0.89	1.34	5,000	4,450	0.89	1.44	4,700	4,183	0.89	1.54
30	22	5,600	4,312	0.77	1.37	5,400	4,158	0.77	1.48	5,100	3,927	0.77	1.57
32	16	4,450	4,450	1.00	1.28	4,250	4,250	1.00	1.37	4,050	4,050	1.00	1.48
32	18	4,800	4,800	1.00	1.31	4,650	4,650	1.00	1.41	4,350	4,350	1.00	1.52
32	20	5,200	5,044	0.97	1.34	5,000	4,850	0.97	1.44	4,700	4,559	0.97	1.54
32	22	5,600	4,760	0.85	1.37	5,400	4,590	0.85	1.48	5,100	4,335	0.85	1.57
34	16	4,450	4,450	1.00	1.28	4,250	4,250	1.00	1.37	4,050	4,050	1.00	1.48
34	18	4,800	4,800	1.00	1.31	4,650	4,650	1.00	1.41	4,350	4,350	1.00	1.52
34	20	5,200	5,200	1.00	1.34	5,000	5,000	1.00	1.44	4,700	4,700	1.00	1.54
34	22	5,600	5,208	0.93	1.37	5,400	5,022	0.93	1.48	5,100	4,743	0.93	1.57

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-ZM60EA / PUHZ-ZRP60VHA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	6,039	3,744	0.62	1.33	5,856	3,631	0.62	1.40	5,673	3,517	0.62	1.49
20	18	6,466	3,233	0.50	1.35	6,283	3,142	0.50	1.43	6,070	3,035	0.50	1.53
20	20	6,954	2,643	0.38	1.39	6,802	2,585	0.38	1.46	6,619	2,515	0.38	1.56
22	16	6,039	4,227	0.70	1.33	5,856	4,099	0.70	1.40	5,673	3,971	0.70	1.49
22	18	6,466	3,750	0.58	1.35	6,283	3,644	0.58	1.43	6,070	3,520	0.58	1.53
22	20	6,954	3,199	0.46	1.39	6,802	3,129	0.46	1.46	6,619	3,045	0.46	1.56
24	16	6,039	4,710	0.78	1.33	5,856	4,568	0.78	1.40	5,673	4,425	0.78	1.49
24	18	6,466	4,268	0.66	1.35	6,283	4,147	0.66	1.43	6,070	4,006	0.66	1.53
24	20	6,954	3,755	0.54	1.39	6,802	3,673	0.54	1.46	6,619	3,574	0.54	1.56
24	22	7,412	3,113	0.42	1.43	7,259	3,049	0.42	1.51	7,076	2,972	0.42	1.61
26	16	6,039	5,194	0.86	1.33	5,856	5,036	0.86	1.40	5,673	4,879	0.86	1.49
26	18	6,466	4,785	0.74	1.35	6,283	4,649	0.74	1.43	6,070	4,491	0.74	1.53
26	20	6,954	4,311	0.62	1.39	6,802	4,217	0.62	1.46	6,619	4,103	0.62	1.56
26	22	7,412	3,706	0.50	1.43	7,259	3,630	0.50	1.51	7,076	3,538	0.50	1.61
27	16	6,039	5,435	0.90	1.33	5,856	5,270	0.90	1.40	5,673	5,106	0.90	1.49
27	18	6,466	5,043	0.78	1.35	6,283	4,901	0.78	1.43	6,070	4,734	0.78	1.53
27	20	6,954	4,590	0.66	1.39	6,802	4,489	0.66	1.46	6,619	4,368	0.66	1.56
27	22	7,412	4,002	0.54	1.43	7,259	3,920	0.54	1.51	7,076	3,821	0.54	1.61
28	16	6,039	5,677	0.94	1.33	5,856	5,505	0.94	1.40	5,673	5,333	0.94	1.49
28	18	6,466	5,302	0.82	1.35	6,283	5,152	0.82	1.43	6,070	4,977	0.82	1.53
28	20	6,954	4,868	0.70	1.39	6,802	4,761	0.70	1.46	6,619	4,633	0.70	1.56
28	22	7,412	4,299	0.58	1.43	7,259	4,210	0.58	1.51	7,076	4,104	0.58	1.61
30	16	6,039	6,039	1.00	1.33	5,856	5,856	1.00	1.40	5,673	5,673	1.00	1.49
30	18	6,466	5,819	0.90	1.35	6,283	5,655	0.90	1.43	6,070	5,463	0.90	1.53
30	20	6,954	5,424	0.78	1.39	6,802	5,305	0.78	1.46	6,619	5,162	0.78	1.56
30	22	7,412	4,892	0.66	1.43	7,259	4,791	0.66	1.51	7,076	4,670	0.66	1.61
32	16	6,039	6,039	1.00	1.33	5,856	5,856	1.00	1.40	5,673	5,673	1.00	1.49
32	18	6,466	6,337	0.98	1.35	6,283	6,157	0.98	1.43	6,070	5,948	0.98	1.53
32	20	6,954	5,980	0.86	1.39	6,802	5,849	0.86	1.46	6,619	5,692	0.86	1.56
32	22	7,412	5,485	0.74	1.43	7,259	5,372	0.74	1.51	7,076	5,236	0.74	1.61
34	16	6,039	6,039	1.00	1.33	5,856	5,856	1.00	1.40	5,673	5,673	1.00	1.49
34	18	6,466	6,466	1.00	1.35	6,283	6,283	1.00	1.43	6,070	6,070	1.00	1.53
34	20	6,954	6,537	0.94	1.39	6,802	6,393	0.94	1.46	6,619	6,221	0.94	1.56
34	22	7,412	6,077	0.82	1.43	7,259	5,952	0.82	1.51	7,076	5,802	0.82	1.61

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	5,429	3,366	0.62	1.59	5,185	3,215	0.62	1.71	4,941	3,063	0.62	1.85
20	18	5,856	2,928	0.50	1.64	5,673	2,837	0.50	1.76	5,307	2,654	0.50	1.89
20	20	6,344	2,411	0.38	1.68	6,100	2,318	0.38	1.79	5,734	2,179	0.38	1.93
22	16	5,429	3,800	0.70	1.59	5,185	3,630	0.70	1.71	4,941	3,459	0.70	1.85
22	18	5,856	3,396	0.58	1.64	5,673	3,290	0.58	1.76	5,307	3,078	0.58	1.89
22	20	6,344	2,918	0.46	1.68	6,100	2,806	0.46	1.79	5,734	2,638	0.46	1.93
24	16	5,429	4,235	0.78	1.59	5,185	4,044	0.78	1.71	4,941	3,854	0.78	1.85
24	18	5,856	3,865	0.66	1.64	5,673	3,744	0.66	1.76	5,307	3,503	0.66	1.89
24	20	6,344	3,426	0.54	1.68	6,100	3,294	0.54	1.79	5,734	3,096	0.54	1.93
24	22	6,832	2,869	0.42	1.71	6,588	2,767	0.42	1.84	6,222	2,613	0.42	1.96
26	16	5,429	4,669	0.86	1.59	5,185	4,459	0.86	1.71	4,941	4,249	0.86	1.85
26	18	5,856	4,333	0.74	1.64	5,673	4,198	0.74	1.76	5,307	3,927	0.74	1.89
26	20	6,344	3,933	0.62	1.68	6,100	3,782	0.62	1.79	5,734	3,555	0.62	1.93
26	22	6,832	3,416	0.50	1.71	6,588	3,294	0.50	1.84	6,222	3,111	0.50	1.96
27	16	5,429	4,886	0.90	1.59	5,185	4,667	0.90	1.71	4,941	4,447	0.90	1.85
27	18	5,856	4,568	0.78	1.64	5,673	4,425	0.78	1.76	5,307	4,139	0.78	1.89
27	20	6,344	4,187	0.66	1.68	6,100	4,026	0.66	1.79	5,734	3,784	0.66	1.93
27	22	6,832	3,689	0.54	1.71	6,588	3,558	0.54	1.84	6,222	3,360	0.54	1.96
28	16	5,429	5,103	0.94	1.59	5,185	4,874	0.94	1.71	4,941	4,645	0.94	1.85
28	18	5,856	4,802	0.82	1.64	5,673	4,652	0.82	1.76	5,307	4,352	0.82	1.89
28	20	6,344	4,441	0.70	1.68	6,100	4,270	0.70	1.79	5,734	4,014	0.70	1.93
28	22	6,832	3,963	0.58	1.71	6,588	3,821	0.58	1.84	6,222	3,609	0.58	1.96
30	16	5,429	5,429	1.00	1.59	5,185	5,185	1.00	1.71	4,941	4,941	1.00	1.85
30	18	5,856	5,270	0.90	1.64	5,673	5,106	0.90	1.76	5,307	4,776	0.90	1.89
30	20	6,344	4,948	0.78	1.68	6,100	4,758	0.78	1.79	5,734	4,473	0.78	1.93
30	22	6,832	4,509	0.66	1.71	6,588	4,348	0.66	1.84	6,222	4,107	0.66	1.96
32	16	5,429	5,429	1.00	1.59	5,185	5,185	1.00	1.71	4,941	4,941	1.00	1.85
32	18	5,856	5,739	0.98	1.64	5,673	5,560	0.98	1.76	5,307	5,201	0.98	1.89
32	20	6,344	5,456	0.86	1.68	6,100	5,246	0.86	1.79	5,734	4,931	0.86	1.93
32	22	6,832	5,056	0.74	1.71	6,588	4,875	0.74	1.84	6,222	4,604	0.74	1.96
34	16	5,429	5,429	1.00	1.59	5,185	5,185	1.00	1.71	4,941	4,941	1.00	1.85
34	18	5,856	5,856	1.00	1.64	5,673	5,673	1.00	1.76	5,307	5,307	1.00	1.89
34	20	6,344	5,963	0.94	1.68	6,100	5,734	0.94	1.79	5,734	5,390	0.94	1.93
34	22	6,832	5,602	0.82	1.71	6,588	5,402	0.82	1.84	6,222	5,102	0.82	1.96

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-ZM71EA / PUHZ-ZRP71VHA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	7,029	4,991	0.71	1.43	6,816	4,839	0.71	1.51	6,603	4,688	0.71	1.60
20	18	7,526	4,440	0.59	1.46	7,313	4,315	0.59	1.54	7,065	4,168	0.59	1.65
20	20	8,094	3,804	0.47	1.50	7,917	3,721	0.47	1.58	7,704	3,621	0.47	1.68
22	16	7,029	5,553	0.79	1.43	6,816	5,385	0.79	1.51	6,603	5,216	0.79	1.60
22	18	7,526	5,042	0.67	1.46	7,313	4,900	0.67	1.54	7,065	4,733	0.67	1.65
22	20	8,094	4,452	0.55	1.50	7,917	4,354	0.55	1.58	7,704	4,237	0.55	1.68
24	16	7,029	6,115	0.87	1.43	6,816	5,930	0.87	1.51	6,603	5,745	0.87	1.60
24	18	7,526	5,645	0.75	1.46	7,313	5,485	0.75	1.54	7,065	5,298	0.75	1.65
24	20	8,094	5,099	0.63	1.50	7,917	4,987	0.63	1.58	7,704	4,853	0.63	1.68
24	22	8,627	4,400	0.51	1.54	8,449	4,309	0.51	1.63	8,236	4,200	0.51	1.74
26	16	7,029	6,678	0.95	1.43	6,816	6,475	0.95	1.51	6,603	6,273	0.95	1.60
26	18	7,526	6,247	0.83	1.46	7,313	6,070	0.83	1.54	7,065	5,864	0.83	1.65
26	20	8,094	5,747	0.71	1.50	7,917	5,621	0.71	1.58	7,704	5,469	0.71	1.68
26	22	8,627	5,090	0.59	1.54	8,449	4,985	0.59	1.63	8,236	4,859	0.59	1.74
27	16	7,029	6,959	0.99	1.43	6,816	6,748	0.99	1.51	6,603	6,537	0.99	1.60
27	18	7,526	6,548	0.87	1.46	7,313	6,362	0.87	1.54	7,065	6,146	0.87	1.65
27	20	8,094	6,071	0.75	1.50	7,917	5,937	0.75	1.58	7,704	5,778	0.75	1.68
27	22	8,627	5,435	0.63	1.54	8,449	5,323	0.63	1.63	8,236	5,189	0.63	1.74
28	16	7,029	7,029	1.00	1.43	6,816	6,816	1.00	1.51	6,603	6,603	1.00	1.60
28	18	7,526	6,849	0.91	1.46	7,313	6,655	0.91	1.54	7,065	6,429	0.91	1.65
28	20	8,094	6,394	0.79	1.50	7,917	6,254	0.79	1.58	7,704	6,086	0.79	1.68
28	22	8,627	5,780	0.67	1.54	8,449	5,661	0.67	1.63	8,236	5,518	0.67	1.74
30	16	7,029	7,029	1.00	1.43	6,816	6,816	1.00	1.51	6,603	6,603	1.00	1.60
30	18	7,526	7,451	0.99	1.46	7,313	7,240	0.99	1.54	7,065	6,994	0.99	1.65
30	20	8,094	7,042	0.87	1.50	7,917	6,887	0.87	1.58	7,704	6,702	0.87	1.68
30	22	8,627	6,470	0.75	1.54	8,449	6,337	0.75	1.63	8,236	6,177	0.75	1.74
32	16	7,029	7,029	1.00	1.43	6,816	6,816	1.00	1.51	6,603	6,603	1.00	1.60
32	18	7,526	7,526	1.00	1.46	7,313	7,313	1.00	1.54	7,065	7,065	1.00	1.65
32	20	8,094	7,689	0.95	1.50	7,917	7,521	0.95	1.58	7,704	7,318	0.95	1.68
32	22	8,627	7,160	0.83	1.54	8,449	7,013	0.83	1.63	8,236	6,836	0.83	1.74
34	16	7,029	7,029	1.00	1.43	6,816	6,816	1.00	1.51	6,603	6,603	1.00	1.60
34	18	7,526	7,526	1.00	1.46	7,313	7,313	1.00	1.54	7,065	7,065	1.00	1.65
34	20	8,094	8,094	1.00	1.50	7,917	7,917	1.00	1.58	7,704	7,704	1.00	1.68
34	22	8,627	7,850	0.91	1.54	8,449	7,689	0.91	1.63	8,236	7,495	0.91	1.74

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	6,319	4,486	0.71	1.72	6,035	4,285	0.71	1.84	5,751	4,083	0.71	2.00
20	18	6,816	4,021	0.59	1.76	6,603	3,896	0.59	1.90	6,177	3,644	0.59	2.04
20	20	7,384	3,470	0.47	1.81	7,100	3,337	0.47	1.93	6,674	3,137	0.47	2.08
22	16	6,319	4,992	0.79	1.72	6,035	4,768	0.79	1.84	5,751	4,543	0.79	2.00
22	18	6,816	4,567	0.67	1.76	6,603	4,424	0.67	1.90	6,177	4,139	0.67	2.04
22	20	7,384	4,061	0.55	1.81	7,100	3,905	0.55	1.93	6,674	3,671	0.55	2.08
24	16	6,319	5,498	0.87	1.72	6,035	5,250	0.87	1.84	5,751	5,003	0.87	2.00
24	18	6,816	5,112	0.75	1.76	6,603	4,952	0.75	1.90	6,177	4,633	0.75	2.04
24	20	7,384	4,652	0.63	1.81	7,100	4,473	0.63	1.93	6,674	4,205	0.63	2.08
24	22	7,952	4,056	0.51	1.84	7,668	3,911	0.51	1.99	7,242	3,693	0.51	2.11
26	16	6,319	6,003	0.95	1.72	6,035	5,733	0.95	1.84	5,751	5,463	0.95	2.00
26	18	6,816	5,657	0.83	1.76	6,603	5,480	0.83	1.90	6,177	5,127	0.83	2.04
26	20	7,384	5,243	0.71	1.81	7,100	5,041	0.71	1.93	6,674	4,739	0.71	2.08
26	22	7,952	4,692	0.59	1.84	7,668	4,524	0.59	1.99	7,242	4,273	0.59	2.11
27	16	6,319	6,256	0.99	1.72	6,035	5,975	0.99	1.84	5,751	5,693	0.99	2.00
27	18	6,816	5,930	0.87	1.76	6,603	5,745	0.87	1.90	6,177	5,374	0.87	2.04
27	20	7,384	5,538	0.75	1.81	7,100	5,325	0.75	1.93	6,674	5,006	0.75	2.08
27	22	7,952	5,010	0.63	1.84	7,668	4,831	0.63	1.99	7,242	4,562	0.63	2.11
28	16	6,319	6,319	1.00	1.72	6,035	6,035	1.00	1.84	5,751	5,751	1.00	2.00
28	18	6,816	6,203	0.91	1.76	6,603	6,009	0.91	1.90	6,177	5,621	0.91	2.04
28	20	7,384	5,833	0.79	1.81	7,100	5,609	0.79	1.93	6,674	5,272	0.79	2.08
28	22	7,952	5,328	0.67	1.84	7,668	5,138	0.67	1.99	7,242	4,852	0.67	2.11
30	16	6,319	6,319	1.00	1.72	6,035	6,035	1.00	1.84	5,751	5,751	1.00	2.00
30	18	6,816	6,748	0.99	1.76	6,603	6,537	0.99	1.90	6,177	6,115	0.99	2.04
30	20	7,384	6,424	0.87	1.81	7,100	6,177	0.87	1.93	6,674	5,806	0.87	2.08
30	22	7,952	5,964	0.75	1.84	7,668	5,751	0.75	1.99	7,242	5,432	0.75	2.11
32	16	6,319	6,319	1.00	1.72	6,035	6,035	1.00	1.84	5,751	5,751	1.00	2.00
32	18	6,816	6,816	1.00	1.76	6,603	6,603	1.00	1.90	6,177	6,177	1.00	2.04
32	20	7,384	7,015	0.95	1.81	7,100	6,745	0.95	1.93	6,674	6,340	0.95	2.08
32	22	7,952	6,600	0.83	1.84	7,668	6,364	0.83	1.99	7,242	6,011	0.83	2.11
34	16	6,319	6,319	1.00	1.72	6,035	6,035	1.00	1.84	5,751	5,751	1.00	2.00
34	18	6,816	6,816	1.00	1.76	6,603	6,603	1.00	1.90	6,177	6,177	1.00	2.04
34	20	7,384	7,384	1.00	1.81	7,100	7,100	1.00	1.93	6,674	6,674	1.00	2.08
34	22	7,952	7,236	0.91	1.84	7,668	6,978	0.91	1.99	7,242	6,590	0.91	2.11

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-ZM100EA / PUHZ-ZRP100VKA3 PUHZ-ZRP100YKA3

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		20				25				30			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	9,405	6,113	0.65	1.76	9,120	5,928	0.65	1.86	8,835	5,743	0.65	1.97
20	18	10,070	5,337	0.53	1.79	9,785	5,186	0.53	1.89	9,453	5,010	0.53	2.02
20	20	10,830	4,440	0.41	1.85	10,593	4,343	0.41	1.94	10,308	4,226	0.41	2.07
22	16	9,405	6,866	0.73	1.76	9,120	6,658	0.73	1.86	8,835	6,450	0.73	1.97
22	18	10,070	6,143	0.61	1.79	9,785	5,969	0.61	1.89	9,453	5,766	0.61	2.02
22	20	10,830	5,307	0.49	1.85	10,593	5,190	0.49	1.94	10,308	5,051	0.49	2.07
24	16	9,405	7,618	0.81	1.76	9,120	7,387	0.81	1.86	8,835	7,156	0.81	1.97
24	18	10,070	6,948	0.69	1.79	9,785	6,752	0.69	1.89	9,453	6,522	0.69	2.02
24	20	10,830	6,173	0.57	1.85	10,593	6,038	0.57	1.94	10,308	5,875	0.57	2.07
24	22	11,543	5,194	0.45	1.89	11,305	5,087	0.45	2.00	11,020	4,959	0.45	2.13
26	16	9,405	8,370	0.89	1.76	9,120	8,117	0.89	1.86	8,835	7,863	0.89	1.97
26	18	10,070	7,754	0.77	1.79	9,785	7,534	0.77	1.89	9,453	7,278	0.77	2.02
26	20	10,830	7,040	0.65	1.85	10,593	6,885	0.65	1.94	10,308	6,700	0.65	2.07
26	22	11,543	6,118	0.53	1.89	11,305	5,992	0.53	2.00	11,020	5,841	0.53	2.13
27	16	9,405	8,747	0.93	1.76	9,120	8,482	0.93	1.86	8,835	8,217	0.93	1.97
27	18	10,070	8,157	0.81	1.79	9,785	7,926	0.81	1.89	9,453	7,657	0.81	2.02
27	20	10,830	7,473	0.69	1.85	10,593	7,309	0.69	1.94	10,308	7,112	0.69	2.07
27	22	11,543	6,579	0.57	1.89	11,305	6,444	0.57	2.00	11,020	6,281	0.57	2.13
28	16	9,405	9,123	0.97	1.76	9,120	8,846	0.97	1.86	8,835	8,570	0.97	1.97
28	18	10,070	8,560	0.85	1.79	9,785	8,317	0.85	1.89	9,453	8,035	0.85	2.02
28	20	10,830	7,906	0.73	1.85	10,593	7,733	0.73	1.94	10,308	7,524	0.73	2.07
28	22	11,543	7,041	0.61	1.89	11,305	6,896	0.61	2.00	11,020	6,722	0.61	2.13
30	16	9,405	9,405	1.00	1.76	9,120	9,120	1.00	1.86	8,835	8,835	1.00	1.97
30	18	10,070	9,365	0.93	1.79	9,785	9,100	0.93	1.89	9,453	8,791	0.93	2.02
30	20	10,830	8,772	0.81	1.85	10,593	8,580	0.81	1.94	10,308	8,349	0.81	2.07
30	22	11,543	7,964	0.69	1.89	11,305	7,800	0.69	2.00	11,020	7,604	0.69	2.13
32	16	9,405	9,405	1.00	1.76	9,120	9,120	1.00	1.86	8,835	8,835	1.00	1.97
32	18	10,070	10,070	1.00	1.79	9,785	9,785	1.00	1.89	9,453	9,453	1.00	2.02
32	20	10,830	9,639	0.89	1.85	10,593	9,427	0.89	1.94	10,308	9,174	0.89	2.07
32	22	11,543	8,888	0.77	1.89	11,305	8,705	0.77	2.00	11,020	8,485	0.77	2.13
34	16	9,405	9,405	1.00	1.76	9,120	9,120	1.00	1.86	8,835	8,835	1.00	1.97
34	18	10,070	10,070	1.00	1.79	9,785	9,785	1.00	1.89	9,453	9,453	1.00	2.02
34	20	10,830	10,505	0.97	1.85	10,593	10,275	0.97	1.94	10,308	9,998	0.97	2.07
34	22	11,543	9,811	0.85	1.89	11,305	9,609	0.85	2.00	11,020	9,367	0.85	2.13

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		35				40				45			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	8,455	5,496	0.65	2.11	8,075	5,249	0.65	2.27	7,695	5,002	0.65	2.45
20	18	9,120	4,834	0.53	2.17	8,835	4,683	0.53	2.33	8,265	4,380	0.53	2.51
20	20	9,880	4,051	0.41	2.22	9,500	3,895	0.41	2.38	8,930	3,661	0.41	2.55
22	16	8,455	6,172	0.73	2.11	8,075	5,895	0.73	2.27	7,695	5,617	0.73	2.45
22	18	9,120	5,563	0.61	2.17	8,835	5,389	0.61	2.33	8,265	5,042	0.61	2.51
22	20	9,880	4,841	0.49	2.22	9,500	4,655	0.49	2.38	8,930	4,376	0.49	2.55
24	16	8,455	6,849	0.81	2.11	8,075	6,541	0.81	2.27	7,695	6,233	0.81	2.45
24	18	9,120	6,293	0.69	2.17	8,835	6,096	0.69	2.33	8,265	5,703	0.69	2.51
24	20	9,880	5,632	0.57	2.22	9,500	5,415	0.57	2.38	8,930	5,090	0.57	2.55
24	22	10,640	4,788	0.45	2.27	10,260	4,617	0.45	2.44	9,690	4,361	0.45	2.60
26	16	8,455	7,525	0.89	2.11	8,075	7,187	0.89	2.27	7,695	6,849	0.89	2.45
26	18	9,120	7,022	0.77	2.17	8,835	6,803	0.77	2.33	8,265	6,364	0.77	2.51
26	20	9,880	6,422	0.65	2.22	9,500	6,175	0.65	2.38	8,930	5,805	0.65	2.55
26	22	10,640	5,639	0.53	2.27	10,260	5,438	0.53	2.44	9,690	5,136	0.53	2.60
27	16	8,455	7,863	0.93	2.11	8,075	7,510	0.93	2.27	7,695	7,156	0.93	2.45
27	18	9,120	7,387	0.81	2.17	8,835	7,156	0.81	2.33	8,265	6,695	0.81	2.51
27	20	9,880	6,817	0.69	2.22	9,500	6,555	0.69	2.38	8,930	6,162	0.69	2.55
27	22	10,640	6,065	0.57	2.27	10,260	5,848	0.57	2.44	9,690	5,523	0.57	2.60
28	16	8,455	8,201	0.97	2.11	8,075	7,833	0.97	2.27	7,695	7,464	0.97	2.45
28	18	9,120	7,752	0.85	2.17	8,835	7,510	0.85	2.33	8,265	7,025	0.85	2.51
28	20	9,880	7,212	0.73	2.22	9,500	6,935	0.73	2.38	8,930	6,519	0.73	2.55
28	22	10,640	6,490	0.61	2.27	10,260	6,259	0.61	2.44	9,690	5,911	0.61	2.60
30	16	8,455	8,455	1.00	2.11	8,075	8,075	1.00	2.27	7,695	7,695	1.00	2.45
30	18	9,120	8,482	0.93	2.17	8,835	8,217	0.93	2.33	8,265	7,686	0.93	2.51
30	20	9,880	8,003	0.81	2.22	9,500	7,695	0.81	2.38	8,930	7,233	0.81	2.55
30	22	10,640	7,342	0.69	2.27	10,260	7,079	0.69	2.44	9,690	6,686	0.69	2.60
32	16	8,455	8,455	1.00	2.11	8,075	8,075	1.00	2.27	7,695	7,695	1.00	2.45
32	18	9,120	9,120	1.00	2.17	8,835	8,835	1.00	2.33	8,265	8,265	1.00	2.51
32	20	9,880	8,793	0.89	2.22	9,500	8,455	0.89	2.38	8,930	7,948	0.89	2.55
32	22	10,640	8,193	0.77	2.27	10,260	7,900	0.77	2.44	9,690	7,461	0.77	2.60
34	16	8,455	8,455	1.00	2.11	8,075	8,075	1.00	2.27	7,695	7,695	1.00	2.45
34	18	9,120	9,120	1.00	2.17	8,835	8,835	1.00	2.33	8,265	8,265	1.00	2.51
34	20	9,880	9,584	0.97	2.22	9,500	9,215	0.97	2.38	8,930	8,662	0.97	2.55
34	22	10,640	9,044	0.85	2.27	10,260	8,721	0.85	2.44	9,690	8,237	0.85	2.60

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-ZM125EA / PUHZ-ZRP125VKA3 PUHZ-ZRP125YKA3

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		20				25				30			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	12,375	7,054	0.57	3.07	12,000	6,840	0.57	3.24	11,625	6,626	0.57	3.44
20	18	13,250	5,963	0.45	3.13	12,875	5,794	0.45	3.30	12,438	5,597	0.45	3.53
20	20	14,250	4,703	0.33	3.23	13,938	4,599	0.33	3.38	13,563	4,476	0.33	3.61
22	16	12,375	8,044	0.65	3.07	12,000	7,800	0.65	3.24	11,625	7,556	0.65	3.44
22	18	13,250	7,023	0.53	3.13	12,875	6,824	0.53	3.30	12,438	6,592	0.53	3.53
22	20	14,250	5,843	0.41	3.23	13,938	5,714	0.41	3.38	13,563	5,561	0.41	3.61
24	16	12,375	9,034	0.73	3.07	12,000	8,760	0.73	3.24	11,625	8,486	0.73	3.44
24	18	13,250	8,083	0.61	3.13	12,875	7,854	0.61	3.30	12,438	7,587	0.61	3.53
24	20	14,250	6,983	0.49	3.23	13,938	6,829	0.49	3.38	13,563	6,646	0.49	3.61
24	22	15,188	5,619	0.37	3.30	14,875	5,504	0.37	3.49	14,500	5,365	0.37	3.72
26	16	12,375	10,024	0.81	3.07	12,000	9,720	0.81	3.24	11,625	9,416	0.81	3.44
26	18	13,250	9,143	0.69	3.13	12,875	8,884	0.69	3.30	12,438	8,582	0.69	3.53
26	20	14,250	8,123	0.57	3.23	13,938	7,944	0.57	3.38	13,563	7,731	0.57	3.61
26	22	15,188	6,834	0.45	3.30	14,875	6,694	0.45	3.49	14,500	6,525	0.45	3.72
27	16	12,375	10,519	0.85	3.07	12,000	10,200	0.85	3.24	11,625	9,881	0.85	3.44
27	18	13,250	9,673	0.73	3.13	12,875	9,399	0.73	3.30	12,438	9,079	0.73	3.53
27	20	14,250	8,693	0.61	3.23	13,938	8,502	0.61	3.38	13,563	8,273	0.61	3.61
27	22	15,188	7,442	0.49	3.30	14,875	7,289	0.49	3.49	14,500	7,105	0.49	3.72
28	16	12,375	11,014	0.89	3.07	12,000	10,680	0.89	3.24	11,625	10,346	0.89	3.44
28	18	13,250	10,203	0.77	3.13	12,875	9,914	0.77	3.30	12,438	9,577	0.77	3.53
28	20	14,250	9,263	0.65	3.23	13,938	9,059	0.65	3.38	13,563	8,816	0.65	3.61
28	22	15,188	8,049	0.53	3.30	14,875	7,884	0.53	3.49	14,500	7,685	0.53	3.72
30	16	12,375	12,004	0.97	3.07	12,000	11,640	0.97	3.24	11,625	11,276	0.97	3.44
30	18	13,250	11,263	0.85	3.13	12,875	10,944	0.85	3.30	12,438	10,572	0.85	3.53
30	20	14,250	10,403	0.73	3.23	13,938	10,174	0.73	3.38	13,563	9,901	0.73	3.61
30	22	15,188	9,264	0.61	3.30	14,875	9,074	0.61	3.49	14,500	8,845	0.61	3.72
32	16	12,375	12,375	1.00	3.07	12,000	12,000	1.00	3.24	11,625	11,625	1.00	3.44
32	18	13,250	12,323	0.93	3.13	12,875	11,974	0.93	3.30	12,438	11,567	0.93	3.53
32	20	14,250	11,543	0.81	3.23	13,938	11,289	0.81	3.38	13,563	10,986	0.81	3.61
32	22	15,188	10,479	0.69	3.30	14,875	10,264	0.69	3.49	14,500	10,005	0.69	3.72
34	16	12,375	12,375	1.00	3.07	12,000	12,000	1.00	3.24	11,625	11,625	1.00	3.44
34	18	13,250	13,250	1.00	3.13	12,875	12,875	1.00	3.30	12,438	12,438	1.00	3.53
34	20	14,250	12,683	0.89	3.23	13,938	12,404	0.89	3.38	13,563	12,071	0.89	3.61
34	22	15,188	11,694	0.77	3.30	14,875	11,454	0.77	3.49	14,500	11,165	0.77	3.72

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		35				40				45			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	11,125	6,341	0.57	3.69	10,625	6,056	0.57	3.96	10,125	5,771	0.57	4.28
20	18	12,000	5,400	0.45	3.78	11,625	5,231	0.45	4.07	10,875	4,894	0.45	4.38
20	20	13,000	4,290	0.33	3.88	12,500	4,125	0.33	4.15	11,750	3,878	0.33	4.45
22	16	11,125	7,231	0.65	3.69	10,625	6,906	0.65	3.96	10,125	6,581	0.65	4.28
22	18	12,000	6,360	0.53	3.78	11,625	6,161	0.53	4.07	10,875	5,764	0.53	4.38
22	20	13,000	5,330	0.41	3.88	12,500	5,125	0.41	4.15	11,750	4,818	0.41	4.45
24	16	11,125	8,121	0.73	3.69	10,625	7,756	0.73	3.96	10,125	7,391	0.73	4.28
24	18	12,000	7,320	0.61	3.78	11,625	7,091	0.61	4.07	10,875	6,634	0.61	4.38
24	20	13,000	6,370	0.49	3.88	12,500	6,125	0.49	4.15	11,750	5,758	0.49	4.45
24	22	14,000	5,180	0.37	3.96	13,500	4,995	0.37	4.26	12,750	4,718	0.37	4.53
26	16	11,125	9,011	0.81	3.69	10,625	8,606	0.81	3.96	10,125	8,201	0.81	4.28
26	18	12,000	8,280	0.69	3.78	11,625	8,021	0.69	4.07	10,875	7,504	0.69	4.38
26	20	13,000	7,410	0.57	3.88	12,500	7,125	0.57	4.15	11,750	6,698	0.57	4.45
26	22	14,000	6,300	0.45	3.96	13,500	6,075	0.45	4.26	12,750	5,738	0.45	4.53
27	16	11,125	9,456	0.85	3.69	10,625	9,031	0.85	3.96	10,125	8,606	0.85	4.28
27	18	12,000	8,760	0.73	3.78	11,625	8,486	0.73	4.07	10,875	7,939	0.73	4.38
27	20	13,000	7,930	0.61	3.88	12,500	7,625	0.61	4.15	11,750	7,168	0.61	4.45
27	22	14,000	6,860	0.49	3.96	13,500	6,615	0.49	4.26	12,750	6,248	0.49	4.53
28	16	11,125	9,901	0.89	3.69	10,625	9,456	0.89	3.96	10,125	9,011	0.89	4.28
28	18	12,000	9,240	0.77	3.78	11,625	8,951	0.77	4.07	10,875	8,374	0.77	4.38
28	20	13,000	8,450	0.65	3.88	12,500	8,125	0.65	4.15	11,750	7,638	0.65	4.45
28	22	14,000	7,420	0.53	3.96	13,500	7,155	0.53	4.26	12,750	6,758	0.53	4.53
30	16	11,125	10,791	0.97	3.69	10,625	10,306	0.97	3.96	10,125	9,821	0.97	4.28
30	18	12,000	10,200	0.85	3.78	11,625	9,881	0.85	4.07	10,875	9,244	0.85	4.38
30	20	13,000	9,490	0.73	3.88	12,500	9,125	0.73	4.15	11,750	8,578	0.73	4.45
30	22	14,000	8,540	0.61	3.96	13,500	8,235	0.61	4.26	12,750	7,778	0.61	4.53
32	16	11,125	11,125	1.00	3.69	10,625	10,625	1.00	3.96	10,125	10,125	1.00	4.28
32	18	12,000	11,160	0.93	3.78	11,625	10,811	0.93	4.07	10,875	10,114	0.93	4.38
32	20	13,000	10,530	0.81	3.88	12,500	10,125	0.81	4.15	11,750	9,518	0.81	4.45
32	22	14,000	9,660	0.69	3.96	13,500	9,315	0.69	4.26	12,750	8,798	0.69	4.53
34	16	11,125	11,125	1.00	3.69	10,625	10,625	1.00	3.96	10,125	10,125	1.00	4.28
34	18	12,000	12,000	1.00	3.78	11,625	11,625	1.00	4.07	10,875	10,875	1.00	4.38
34	20	13,000	11,570	0.89	3.88	12,500	11,125	0.89	4.15	11,750	10,458	0.89	4.45
34	22	14,000	10,780	0.77	3.96	13,500	10,395	0.77	4.26	12,750	9,818	0.77	4.53

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PLA-ZM140EA / PUHZ-ZRP140VKA3 PUHZ-ZRP140YKA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,266	7,562	0.57	3.49	12,864	7,332	0.57	3.68	12,462	7,103	0.57	3.90
20	18	14,204	6,392	0.45	3.55	13,802	6,211	0.45	3.75	13,333	6,000	0.45	4.01
20	20	15,276	5,041	0.33	3.66	14,941	4,931	0.33	3.84	14,539	4,798	0.33	4.10
22	16	13,266	8,623	0.65	3.49	12,864	8,362	0.65	3.68	12,462	8,100	0.65	3.90
22	18	14,204	7,528	0.53	3.55	13,802	7,315	0.53	3.75	13,333	7,066	0.53	4.01
22	20	15,276	6,263	0.41	3.66	14,941	6,126	0.41	3.84	14,539	5,961	0.41	4.10
24	16	13,266	9,684	0.73	3.49	12,864	9,391	0.73	3.68	12,462	9,097	0.73	3.90
24	18	14,204	8,664	0.61	3.55	13,802	8,419	0.61	3.75	13,333	8,133	0.61	4.01
24	20	15,276	7,485	0.49	3.66	14,941	7,321	0.49	3.84	14,539	7,124	0.49	4.10
24	22	16,281	6,024	0.37	3.75	15,946	5,900	0.37	3.97	15,544	5,751	0.37	4.23
26	16	13,266	10,745	0.81	3.49	12,864	10,420	0.81	3.68	12,462	10,094	0.81	3.90
26	18	14,204	9,801	0.69	3.55	13,802	9,523	0.69	3.75	13,333	9,200	0.69	4.01
26	20	15,276	8,707	0.57	3.66	14,941	8,516	0.57	3.84	14,539	8,287	0.57	4.10
26	22	16,281	7,326	0.45	3.75	15,946	7,176	0.45	3.97	15,544	6,995	0.45	4.23
27	16	13,266	11,276	0.85	3.49	12,864	10,934	0.85	3.68	12,462	10,593	0.85	3.90
27	18	14,204	10,369	0.73	3.55	13,802	10,075	0.73	3.75	13,333	9,733	0.73	4.01
27	20	15,276	9,318	0.61	3.66	14,941	9,114	0.61	3.84	14,539	8,869	0.61	4.10
27	22	16,281	7,978	0.49	3.75	15,946	7,814	0.49	3.97	15,544	7,617	0.49	4.23
28	16	13,266	11,807	0.89	3.49	12,864	11,449	0.89	3.68	12,462	11,091	0.89	3.90
28	18	14,204	10,937	0.77	3.55	13,802	10,628	0.77	3.75	13,333	10,266	0.77	4.01
28	20	15,276	9,929	0.65	3.66	14,941	9,712	0.65	3.84	14,539	9,450	0.65	4.10
28	22	16,281	8,629	0.53	3.75	15,946	8,451	0.53	3.97	15,544	8,238	0.53	4.23
30	16	13,266	12,868	0.97	3.49	12,864	12,478	0.97	3.68	12,462	12,088	0.97	3.90
30	18	14,204	12,073	0.85	3.55	13,802	11,732	0.85	3.75	13,333	11,333	0.85	4.01
30	20	15,276	11,151	0.73	3.66	14,941	10,907	0.73	3.84	14,539	10,613	0.73	4.10
30	22	16,281	9,931	0.61	3.75	15,946	9,727	0.61	3.97	15,544	9,482	0.61	4.23
32	16	13,266	13,266	1.00	3.49	12,864	12,864	1.00	3.68	12,462	12,462	1.00	3.90
32	18	14,204	13,210	0.93	3.55	13,802	12,836	0.93	3.75	13,333	12,400	0.93	4.01
32	20	15,276	12,374	0.81	3.66	14,941	12,102	0.81	3.84	14,539	11,777	0.81	4.10
32	22	16,281	11,234	0.69	3.75	15,946	11,003	0.69	3.97	15,544	10,725	0.69	4.23
34	16	13,266	13,266	1.00	3.49	12,864	12,864	1.00	3.68	12,462	12,462	1.00	3.90
34	18	14,204	14,204	1.00	3.55	13,802	13,802	1.00	3.75	13,333	13,333	1.00	4.01
34	20	15,276	13,596	0.89	3.66	14,941	13,297	0.89	3.84	14,539	12,940	0.89	4.10
34	22	16,281	12,536	0.77	3.75	15,946	12,278	0.77	3.97	15,544	11,969	0.77	4.23

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,926	6,798	0.57	4.19	11,390	6,492	0.57	4.49	10,854	6,187	0.57	4.86
20	18	12,864	5,789	0.45	4.29	12,462	5,608	0.45	4.62	11,658	5,246	0.45	4.97
20	20	13,936	4,599	0.33	4.40	13,400	4,422	0.33	4.71	12,596	4,157	0.33	5.06
22	16	11,926	7,752	0.65	4.19	11,390	7,404	0.65	4.49	10,854	7,055	0.65	4.86
22	18	12,864	6,818	0.53	4.29	12,462	6,605	0.53	4.62	11,658	6,179	0.53	4.97
22	20	13,936	5,714	0.41	4.40	13,400	5,494	0.41	4.71	12,596	5,164	0.41	5.06
24	16	11,926	8,706	0.73	4.19	11,390	8,315	0.73	4.49	10,854	7,923	0.73	4.86
24	18	12,864	7,847	0.61	4.29	12,462	7,602	0.61	4.62	11,658	7,111	0.61	4.97
24	20	13,936	6,829	0.49	4.40	13,400	6,566	0.49	4.71	12,596	6,172	0.49	5.06
24	22	15,008	5,553	0.37	4.49	14,472	5,355	0.37	4.84	13,668	5,057	0.37	5.14
26	16	11,926	9,660	0.81	4.19	11,390	9,226	0.81	4.49	10,854	8,792	0.81	4.86
26	18	12,864	8,876	0.69	4.29	12,462	8,599	0.69	4.62	11,658	8,044	0.69	4.97
26	20	13,936	7,944	0.57	4.40	13,400	7,638	0.57	4.71	12,596	7,180	0.57	5.06
26	22	15,008	6,754	0.45	4.49	14,472	6,512	0.45	4.84	13,668	6,151	0.45	5.14
27	16	11,926	10,137	0.85	4.19	11,390	9,682	0.85	4.49	10,854	9,226	0.85	4.86
27	18	12,864	9,391	0.73	4.29	12,462	9,097	0.73	4.62	11,658	8,510	0.73	4.97
27	20	13,936	8,501	0.61	4.40	13,400	8,174	0.61	4.71	12,596	7,684	0.61	5.06
27	22	15,008	7,354	0.49	4.49	14,472	7,091	0.49	4.84	13,668	6,697	0.49	5.14
28	16	11,926	10,614	0.89	4.19	11,390	10,137	0.89	4.49	10,854	9,660	0.89	4.86
28	18	12,864	9,905	0.77	4.29	12,462	9,596	0.77	4.62	11,658	8,977	0.77	4.97
28	20	13,936	9,058	0.65	4.40	13,400	8,710	0.65	4.71	12,596	8,187	0.65	5.06
28	22	15,008	7,954	0.53	4.49	14,472	7,670	0.53	4.84	13,668	7,244	0.53	5.14
30	16	11,926	11,568	0.97	4.19	11,390	11,048	0.97	4.49	10,854	10,528	0.97	4.86
30	18	12,864	10,934	0.85	4.29	12,462	10,593	0.85	4.62	11,658	9,909	0.85	4.97
30	20	13,936	10,173	0.73	4.40	13,400	9,782	0.73	4.71	12,596	9,195	0.73	5.06
30	22	15,008	9,155	0.61	4.49	14,472	8,828	0.61	4.84	13,668	8,337	0.61	5.14
32	16	11,926	11,926	1.00	4.19	11,390	11,390	1.00	4.49	10,854	10,854	1.00	4.86
32	18	12,864	11,964	0.93	4.29	12,462	11,590	0.93	4.62	11,658	10,842	0.93	4.97
32	20	13,936	11,288	0.81	4.40	13,400	10,854	0.81	4.71	12,596	10,203	0.81	5.06
32	22	15,008	10,356	0.69	4.49	14,472	9,986	0.69	4.84	13,668	9,431	0.69	5.14
34	16	11,926	11,926	1.00	4.19	11,390	11,390	1.00	4.49	10,854	10,854	1.00	4.86
34	18	12,864	12,864	1.00	4.29	12,462	12,462	1.00	4.62	11,658	11,658	1.00	4.97
34	20	13,936	12,403	0.89	4.40	13,400	11,926	0.89	4.71	12,596	11,210	0.89	5.06
34	22	15,008	11,556	0.77	4.49	14,472	11,143	0.77	4.84	13,668	10,524	0.77	5.14

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M35EA / PUHZ-ZRP35VKA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	3,564	2,637	0.74	0.66	3,456	2,557	0.74	0.70	3,348	2,478	0.74	0.74
20	18	3,816	2,366	0.62	0.68	3,708	2,299	0.62	0.71	3,582	2,221	0.62	0.76
20	20	4,104	2,052	0.50	0.70	4,014	2,007	0.50	0.73	3,906	1,953	0.50	0.78
22	16	3,564	2,922	0.82	0.66	3,456	2,834	0.82	0.70	3,348	2,745	0.82	0.74
22	18	3,816	2,671	0.70	0.68	3,708	2,596	0.70	0.71	3,582	2,507	0.70	0.76
22	20	4,104	2,380	0.58	0.70	4,014	2,328	0.58	0.73	3,906	2,265	0.58	0.78
24	16	3,564	3,208	0.90	0.66	3,456	3,110	0.90	0.70	3,348	3,013	0.90	0.74
24	18	3,816	2,976	0.78	0.68	3,708	2,892	0.78	0.71	3,582	2,794	0.78	0.76
24	20	4,104	2,709	0.66	0.70	4,014	2,649	0.66	0.73	3,906	2,578	0.66	0.78
24	22	4,374	2,362	0.54	0.71	4,284	2,313	0.54	0.76	4,176	2,255	0.54	0.81
26	16	3,564	3,493	0.98	0.66	3,456	3,387	0.98	0.70	3,348	3,281	0.98	0.74
26	18	3,816	3,282	0.86	0.68	3,708	3,189	0.86	0.71	3,582	3,081	0.86	0.76
26	20	4,104	3,037	0.74	0.70	4,014	2,970	0.74	0.73	3,906	2,890	0.74	0.78
26	22	4,374	2,712	0.62	0.71	4,284	2,656	0.62	0.76	4,176	2,589	0.62	0.81
27	16	3,564	3,564	1.00	0.66	3,456	3,456	1.00	0.70	3,348	3,348	1.00	0.74
27	18	3,816	3,434	0.90	0.68	3,708	3,337	0.90	0.71	3,582	3,224	0.90	0.76
27	20	4,104	3,201	0.78	0.70	4,014	3,131	0.78	0.73	3,906	3,047	0.78	0.78
27	22	4,374	2,887	0.66	0.71	4,284	2,827	0.66	0.76	4,176	2,756	0.66	0.81
28	16	3,564	3,564	1.00	0.66	3,456	3,456	1.00	0.70	3,348	3,348	1.00	0.74
28	18	3,816	3,587	0.94	0.68	3,708	3,486	0.94	0.71	3,582	3,367	0.94	0.76
28	20	4,104	3,365	0.82	0.70	4,014	3,291	0.82	0.73	3,906	3,203	0.82	0.78
28	22	4,374	3,062	0.70	0.71	4,284	2,999	0.70	0.76	4,176	2,923	0.70	0.81
30	16	3,564	3,564	1.00	0.66	3,456	3,456	1.00	0.70	3,348	3,348	1.00	0.74
30	18	3,816	3,816	1.00	0.68	3,708	3,708	1.00	0.71	3,582	3,582	1.00	0.76
30	20	4,104	3,694	0.90	0.70	4,014	3,613	0.90	0.73	3,906	3,515	0.90	0.78
30	22	4,374	3,412	0.78	0.71	4,284	3,342	0.78	0.76	4,176	3,257	0.78	0.81
32	16	3,564	3,564	1.00	0.66	3,456	3,456	1.00	0.70	3,348	3,348	1.00	0.74
32	18	3,816	3,816	1.00	0.68	3,708	3,708	1.00	0.71	3,582	3,582	1.00	0.76
32	20	4,104	4,022	0.98	0.70	4,014	3,934	0.98	0.73	3,906	3,828	0.98	0.78
32	22	4,374	3,762	0.86	0.71	4,284	3,684	0.86	0.76	4,176	3,591	0.86	0.81
34	16	3,564	3,564	1.00	0.66	3,456	3,456	1.00	0.70	3,348	3,348	1.00	0.74
34	18	3,816	3,816	1.00	0.68	3,708	3,708	1.00	0.71	3,582	3,582	1.00	0.76
34	20	4,104	4,104	1.00	0.70	4,014	4,014	1.00	0.73	3,906	3,906	1.00	0.78
34	22	4,374	4,112	0.94	0.71	4,284	4,027	0.94	0.76	4,176	3,925	0.94	0.81

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	3,204	2,371	0.74	0.80	3,060	2,264	0.74	0.85	2,916	2,158	0.74	0.93
20	18	3,456	2,143	0.62	0.82	3,348	2,076	0.62	0.88	3,132	1,942	0.62	0.95
20	20	3,744	1,872	0.50	0.84	3,600	1,800	0.50	0.90	3,384	1,692	0.50	0.96
22	16	3,204	2,627	0.82	0.80	3,060	2,509	0.82	0.85	2,916	2,391	0.82	0.93
22	18	3,456	2,419	0.70	0.82	3,348	2,344	0.70	0.88	3,132	2,192	0.70	0.95
22	20	3,744	2,172	0.58	0.84	3,600	2,088	0.58	0.90	3,384	1,963	0.58	0.96
24	16	3,204	2,884	0.90	0.80	3,060	2,754	0.90	0.85	2,916	2,624	0.90	0.93
24	18	3,456	2,696	0.78	0.82	3,348	2,611	0.78	0.88	3,132	2,443	0.78	0.95
24	20	3,744	2,471	0.66	0.84	3,600	2,376	0.66	0.90	3,384	2,233	0.66	0.96
24	22	4,032	2,177	0.54	0.85	3,888	2,100	0.54	0.92	3,672	1,983	0.54	0.98
26	16	3,204	3,140	0.98	0.80	3,060	2,999	0.98	0.85	2,916	2,858	0.98	0.93
26	18	3,456	2,972	0.86	0.82	3,348	2,879	0.86	0.88	3,132	2,694	0.86	0.95
26	20	3,744	2,771	0.74	0.84	3,600	2,664	0.74	0.90	3,384	2,504	0.74	0.96
26	22	4,032	2,500	0.62	0.85	3,888	2,411	0.62	0.92	3,672	2,277	0.62	0.98
27	16	3,204	3,204	1.00	0.80	3,060	3,060	1.00	0.85	2,916	2,916	1.00	0.93
27	18	3,456	3,110	0.90	0.82	3,348	3,013	0.90	0.88	3,132	2,819	0.90	0.95
27	20	3,744	2,920	0.78	0.84	3,600	2,808	0.78	0.90	3,384	2,640	0.78	0.96
27	22	4,032	2,661	0.66	0.85	3,888	2,566	0.66	0.92	3,672	2,424	0.66	0.98
28	16	3,204	3,204	1.00	0.80	3,060	3,060	1.00	0.85	2,916	2,916	1.00	0.93
28	18	3,456	3,249	0.94	0.82	3,348	3,147	0.94	0.88	3,132	2,944	0.94	0.95
28	20	3,744	3,070	0.82	0.84	3,600	2,952	0.82	0.90	3,384	2,775	0.82	0.96
28	22	4,032	2,822	0.70	0.85	3,888	2,722	0.70	0.92	3,672	2,570	0.70	0.98
30	16	3,204	3,204	1.00	0.80	3,060	3,060	1.00	0.85	2,916	2,916	1.00	0.93
30	18	3,456	3,456	1.00	0.82	3,348	3,348	1.00	0.88	3,132	3,132	1.00	0.95
30	20	3,744	3,370	0.90	0.84	3,600	3,240	0.90	0.90	3,384	3,046	0.90	0.96
30	22	4,032	3,145	0.78	0.85	3,888	3,033	0.78	0.92	3,672	2,864	0.78	0.98
32	16	3,204	3,204	1.00	0.80	3,060	3,060	1.00	0.85	2,916	2,916	1.00	0.93
32	18	3,456	3,456	1.00	0.82	3,348	3,348	1.00	0.88	3,132	3,132	1.00	0.95
32	20	3,744	3,669	0.98	0.84	3,600	3,528	0.98	0.90	3,384	3,316	0.98	0.96
32	22	4,032	3,468	0.86	0.85	3,888	3,344	0.86	0.92	3,672	3,158	0.86	0.98
34	16	3,204	3,204	1.00	0.80	3,060	3,060	1.00	0.85	2,916	2,916	1.00	0.93
34	18	3,456	3,456	1.00	0.82	3,348	3,348	1.00	0.88	3,132	3,132	1.00	0.95
34	20	3,744	3,744	1.00	0.84	3,600	3,600	1.00	0.90	3,384	3,384	1.00	0.96
34	22	4,032	3,790	0.94	0.85	3,888	3,655	0.94	0.92	3,672	3,452	0.94	0.98

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M50EA / PUHZ-ZRP50VKA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	4,950	3,515	0.71	1.14	4,800	3,408	0.71	1.20	4,650	3,302	0.71	1.27
20	18	5,300	3,127	0.59	1.16	5,150	3,039	0.59	1.22	4,975	2,935	0.59	1.31
20	20	5,700	2,679	0.47	1.19	5,575	2,620	0.47	1.25	5,425	2,550	0.47	1.33
22	16	4,950	3,911	0.79	1.14	4,800	3,792	0.79	1.20	4,650	3,674	0.79	1.27
22	18	5,300	3,551	0.67	1.16	5,150	3,451	0.67	1.22	4,975	3,333	0.67	1.31
22	20	5,700	3,135	0.55	1.19	5,575	3,066	0.55	1.25	5,425	2,984	0.55	1.33
24	16	4,950	4,307	0.87	1.14	4,800	4,176	0.87	1.20	4,650	4,046	0.87	1.27
24	18	5,300	3,975	0.75	1.16	5,150	3,863	0.75	1.22	4,975	3,731	0.75	1.31
24	20	5,700	3,591	0.63	1.19	5,575	3,512	0.63	1.25	5,425	3,418	0.63	1.33
24	22	6,075	3,098	0.51	1.22	5,950	3,035	0.51	1.29	5,800	2,958	0.51	1.38
26	16	4,950	4,703	0.95	1.14	4,800	4,560	0.95	1.20	4,650	4,418	0.95	1.27
26	18	5,300	4,399	0.83	1.16	5,150	4,275	0.83	1.22	4,975	4,129	0.83	1.31
26	20	5,700	4,047	0.71	1.19	5,575	3,958	0.71	1.25	5,425	3,852	0.71	1.33
26	22	6,075	3,584	0.59	1.22	5,950	3,511	0.59	1.29	5,800	3,422	0.59	1.38
27	16	4,950	4,901	0.99	1.14	4,800	4,752	0.99	1.20	4,650	4,604	0.99	1.27
27	18	5,300	4,611	0.87	1.16	5,150	4,481	0.87	1.22	4,975	4,328	0.87	1.31
27	20	5,700	4,275	0.75	1.19	5,575	4,181	0.75	1.25	5,425	4,069	0.75	1.33
27	22	6,075	3,827	0.63	1.22	5,950	3,749	0.63	1.29	5,800	3,654	0.63	1.38
28	16	4,950	4,950	1.00	1.14	4,800	4,800	1.00	1.20	4,650	4,650	1.00	1.27
28	18	5,300	4,823	0.91	1.16	5,150	4,687	0.91	1.22	4,975	4,527	0.91	1.31
28	20	5,700	4,503	0.79	1.19	5,575	4,404	0.79	1.25	5,425	4,286	0.79	1.33
28	22	6,075	4,070	0.67	1.22	5,950	3,987	0.67	1.29	5,800	3,886	0.67	1.38
30	16	4,950	4,950	1.00	1.14	4,800	4,800	1.00	1.20	4,650	4,650	1.00	1.27
30	18	5,300	5,247	0.99	1.16	5,150	5,099	0.99	1.22	4,975	4,925	0.99	1.31
30	20	5,700	4,959	0.87	1.19	5,575	4,850	0.87	1.25	5,425	4,720	0.87	1.33
30	22	6,075	4,556	0.75	1.22	5,950	4,463	0.75	1.29	5,800	4,350	0.75	1.38
32	16	4,950	4,950	1.00	1.14	4,800	4,800	1.00	1.20	4,650	4,650	1.00	1.27
32	18	5,300	5,300	1.00	1.16	5,150	5,150	1.00	1.22	4,975	4,975	1.00	1.31
32	20	5,700	5,415	0.95	1.19	5,575	5,296	0.95	1.25	5,425	5,154	0.95	1.33
32	22	6,075	5,042	0.83	1.22	5,950	4,939	0.83	1.29	5,800	4,814	0.83	1.38
34	16	4,950	4,950	1.00	1.14	4,800	4,800	1.00	1.20	4,650	4,650	1.00	1.27
34	18	5,300	5,300	1.00	1.16	5,150	5,150	1.00	1.22	4,975	4,975	1.00	1.31
34	20	5,700	5,700	1.00	1.19	5,575	5,575	1.00	1.25	5,425	5,425	1.00	1.33
34	22	6,075	5,528	0.91	1.22	5,950	5,415	0.91	1.29	5,800	5,278	0.91	1.38

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	4,450	3,160	0.71	1.36	4,250	3,018	0.71	1.46	4,050	2,876	0.71	1.58
20	18	4,800	2,832	0.59	1.40	4,650	2,744	0.59	1.51	4,350	2,567	0.59	1.62
20	20	5,200	2,444	0.47	1.43	5,000	2,350	0.47	1.53	4,700	2,209	0.47	1.65
22	16	4,450	3,516	0.79	1.36	4,250	3,358	0.79	1.46	4,050	3,200	0.79	1.58
22	18	4,800	3,216	0.67	1.40	4,650	3,116	0.67	1.51	4,350	2,915	0.67	1.62
22	20	5,200	2,860	0.55	1.43	5,000	2,750	0.55	1.53	4,700	2,585	0.55	1.65
24	16	4,450	3,872	0.87	1.36	4,250	3,698	0.87	1.46	4,050	3,524	0.87	1.58
24	18	4,800	3,600	0.75	1.40	4,650	3,488	0.75	1.51	4,350	3,263	0.75	1.62
24	20	5,200	3,276	0.63	1.43	5,000	3,150	0.63	1.53	4,700	2,961	0.63	1.65
24	22	5,600	2,856	0.51	1.46	5,400	2,754	0.51	1.58	5,100	2,601	0.51	1.68
26	16	4,450	4,228	0.95	1.36	4,250	4,038	0.95	1.46	4,050	3,848	0.95	1.58
26	18	4,800	3,984	0.83	1.40	4,650	3,860	0.83	1.51	4,350	3,611	0.83	1.62
26	20	5,200	3,692	0.71	1.43	5,000	3,550	0.71	1.53	4,700	3,337	0.71	1.65
26	22	5,600	3,304	0.59	1.46	5,400	3,186	0.59	1.58	5,100	3,009	0.59	1.68
27	16	4,450	4,406	0.99	1.36	4,250	4,208	0.99	1.46	4,050	4,010	0.99	1.58
27	18	4,800	4,176	0.87	1.40	4,650	4,046	0.87	1.51	4,350	3,785	0.87	1.62
27	20	5,200	3,900	0.75	1.43	5,000	3,750	0.75	1.53	4,700	3,525	0.75	1.65
27	22	5,600	3,528	0.63	1.46	5,400	3,402	0.63	1.58	5,100	3,213	0.63	1.68
28	16	4,450	4,450	1.00	1.36	4,250	4,250	1.00	1.46	4,050	4,050	1.00	1.58
28	18	4,800	4,368	0.91	1.40	4,650	4,232	0.91	1.51	4,350	3,959	0.91	1.62
28	20	5,200	4,108	0.79	1.43	5,000	3,950	0.79	1.53	4,700	3,713	0.79	1.65
28	22	5,600	3,752	0.67	1.46	5,400	3,618	0.67	1.58	5,100	3,417	0.67	1.68
30	16	4,450	4,450	1.00	1.36	4,250	4,250	1.00	1.46	4,050	4,050	1.00	1.58
30	18	4,800	4,752	0.99	1.40	4,650	4,604	0.99	1.51	4,350	4,307	0.99	1.62
30	20	5,200	4,524	0.87	1.43	5,000	4,350	0.87	1.53	4,700	4,089	0.87	1.65
30	22	5,600	4,200	0.75	1.46	5,400	4,050	0.75	1.58	5,100	3,825	0.75	1.68
32	16	4,450	4,450	1.00	1.36	4,250	4,250	1.00	1.46	4,050	4,050	1.00	1.58
32	18	4,800	4,800	1.00	1.40	4,650	4,650	1.00	1.51	4,350	4,350	1.00	1.62
32	20	5,200	4,940	0.95	1.43	5,000	4,750	0.95	1.53	4,700	4,465	0.95	1.65
32	22	5,600	4,648	0.83	1.46	5,400	4,482	0.83	1.58	5,100	4,233	0.83	1.68
34	16	4,450	4,450	1.00	1.36	4,250	4,250	1.00	1.46	4,050	4,050	1.00	1.58
34	18	4,800	4,800	1.00	1.40	4,650	4,650	1.00	1.51	4,350	4,350	1.00	1.62
34	20	5,200	5,200	1.00	1.43	5,000	5,000	1.00	1.53	4,700	4,700	1.00	1.65
34	22	5,600	5,096	0.91	1.46	5,400	4,914	0.91	1.58	5,100	4,641	0.91	1.68

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M60EA / PUHZ-ZRP60VHA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	SHC (W)	SHF	P.C.	25 CA	SHC (W)	SHF	P.C.	30 CA	SHC (W)	SHF	P.C.
20	16	6,039	4,046	0.67	1.40	5,856	3,924	0.67	1.48	5,673	3,801	0.67	1.57
20	18	6,466	3,556	0.55	1.43	6,283	3,456	0.55	1.51	6,070	3,338	0.55	1.61
20	20	6,954	2,990	0.43	1.47	6,802	2,925	0.43	1.54	6,619	2,846	0.43	1.65
22	16	6,039	4,529	0.75	1.40	5,856	4,392	0.75	1.48	5,673	4,255	0.75	1.57
22	18	6,466	4,074	0.63	1.43	6,283	3,958	0.63	1.51	6,070	3,824	0.63	1.61
22	20	6,954	3,547	0.51	1.47	6,802	3,469	0.51	1.54	6,619	3,375	0.51	1.65
24	16	6,039	5,012	0.83	1.40	5,856	4,860	0.83	1.48	5,673	4,709	0.83	1.57
24	18	6,466	4,591	0.71	1.43	6,283	4,461	0.71	1.51	6,070	4,309	0.71	1.61
24	20	6,954	4,103	0.59	1.47	6,802	4,013	0.59	1.54	6,619	3,905	0.59	1.65
24	22	7,412	3,483	0.47	1.51	7,259	3,412	0.47	1.59	7,076	3,326	0.47	1.70
26	16	6,039	5,495	0.91	1.40	5,856	5,329	0.91	1.48	5,673	5,162	0.91	1.57
26	18	6,466	5,108	0.79	1.43	6,283	4,964	0.79	1.51	6,070	4,795	0.79	1.61
26	20	6,954	4,659	0.67	1.47	6,802	4,557	0.67	1.54	6,619	4,434	0.67	1.65
26	22	7,412	4,076	0.55	1.51	7,259	3,992	0.55	1.59	7,076	3,892	0.55	1.70
27	16	6,039	5,737	0.95	1.40	5,856	5,563	0.95	1.48	5,673	5,389	0.95	1.57
27	18	6,466	5,367	0.83	1.43	6,283	5,215	0.83	1.51	6,070	5,038	0.83	1.61
27	20	6,954	4,937	0.71	1.47	6,802	4,829	0.71	1.54	6,619	4,699	0.71	1.65
27	22	7,412	4,373	0.59	1.51	7,259	4,283	0.59	1.59	7,076	4,175	0.59	1.70
28	16	6,039	5,979	0.99	1.40	5,856	5,797	0.99	1.48	5,673	5,616	0.99	1.57
28	18	6,466	5,625	0.87	1.43	6,283	5,466	0.87	1.51	6,070	5,280	0.87	1.61
28	20	6,954	5,216	0.75	1.47	6,802	5,101	0.75	1.54	6,619	4,964	0.75	1.65
28	22	7,412	4,669	0.63	1.51	7,259	4,573	0.63	1.59	7,076	4,458	0.63	1.70
30	16	6,039	6,039	1.00	1.40	5,856	5,856	1.00	1.48	5,673	5,673	1.00	1.57
30	18	6,466	6,143	0.95	1.43	6,283	5,969	0.95	1.51	6,070	5,766	0.95	1.61
30	20	6,954	5,772	0.83	1.47	6,802	5,645	0.83	1.54	6,619	5,493	0.83	1.65
30	22	7,412	5,262	0.71	1.51	7,259	5,154	0.71	1.59	7,076	5,024	0.71	1.70
32	16	6,039	6,039	1.00	1.40	5,856	5,856	1.00	1.48	5,673	5,673	1.00	1.57
32	18	6,466	6,466	1.00	1.43	6,283	6,283	1.00	1.51	6,070	6,070	1.00	1.61
32	20	6,954	6,328	0.91	1.47	6,802	6,189	0.91	1.54	6,619	6,023	0.91	1.65
32	22	7,412	5,855	0.79	1.51	7,259	5,735	0.79	1.59	7,076	5,590	0.79	1.70
34	16	6,039	6,039	1.00	1.40	5,856	5,856	1.00	1.48	5,673	5,673	1.00	1.57
34	18	6,466	6,466	1.00	1.43	6,283	6,283	1.00	1.51	6,070	6,070	1.00	1.61
34	20	6,954	6,884	0.99	1.47	6,802	6,733	0.99	1.54	6,619	6,552	0.99	1.65
34	22	7,412	6,448	0.87	1.51	7,259	6,315	0.87	1.59	7,076	6,156	0.87	1.70

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	SHC (W)	SHF	P.C.	40 CA	SHC (W)	SHF	P.C.	45 CA	SHC (W)	SHF	P.C.
20	16	5,429	3,637	0.67	1.68	5,185	3,474	0.67	1.80	4,941	3,310	0.67	1.95
20	18	5,856	3,221	0.55	1.72	5,673	3,120	0.55	1.86	5,307	2,919	0.55	2.00
20	20	6,344	2,728	0.43	1.77	6,100	2,623	0.43	1.89	5,734	2,466	0.43	2.03
22	16	5,429	4,072	0.75	1.68	5,185	3,889	0.75	1.80	4,941	3,706	0.75	1.95
22	18	5,856	3,689	0.63	1.72	5,673	3,574	0.63	1.86	5,307	3,343	0.63	2.00
22	20	6,344	3,235	0.51	1.77	6,100	3,111	0.51	1.89	5,734	2,924	0.51	2.03
24	16	5,429	4,506	0.83	1.68	5,185	4,304	0.83	1.80	4,941	4,101	0.83	1.95
24	18	5,856	4,158	0.71	1.72	5,673	4,028	0.71	1.86	5,307	3,768	0.71	2.00
24	20	6,344	3,743	0.59	1.77	6,100	3,599	0.59	1.89	5,734	3,383	0.59	2.03
24	22	6,832	3,211	0.47	1.80	6,588	3,096	0.47	1.94	6,222	2,924	0.47	2.07
26	16	5,429	4,940	0.91	1.68	5,185	4,718	0.91	1.80	4,941	4,496	0.91	1.95
26	18	5,856	4,626	0.79	1.72	5,673	4,482	0.79	1.86	5,307	4,193	0.79	2.00
26	20	6,344	4,250	0.67	1.77	6,100	4,087	0.67	1.89	5,734	3,842	0.67	2.03
26	22	6,832	3,758	0.55	1.80	6,588	3,623	0.55	1.94	6,222	3,422	0.55	2.07
27	16	5,429	5,158	0.95	1.68	5,185	4,926	0.95	1.80	4,941	4,694	0.95	1.95
27	18	5,856	4,860	0.83	1.72	5,673	4,709	0.83	1.86	5,307	4,405	0.83	2.00
27	20	6,344	4,504	0.71	1.77	6,100	4,331	0.71	1.89	5,734	4,071	0.71	2.03
27	22	6,832	4,031	0.59	1.80	6,588	3,887	0.59	1.94	6,222	3,671	0.59	2.07
28	16	5,429	5,375	0.99	1.68	5,185	5,133	0.99	1.80	4,941	4,892	0.99	1.95
28	18	5,856	5,095	0.87	1.72	5,673	4,936	0.87	1.86	5,307	4,617	0.87	2.00
28	20	6,344	4,758	0.75	1.77	6,100	4,575	0.75	1.89	5,734	4,301	0.75	2.03
28	22	6,832	4,304	0.63	1.80	6,588	4,150	0.63	1.94	6,222	3,920	0.63	2.07
30	16	5,429	5,429	1.00	1.68	5,185	5,185	1.00	1.80	4,941	4,941	1.00	1.95
30	18	5,856	5,563	0.95	1.72	5,673	5,389	0.95	1.86	5,307	5,042	0.95	2.00
30	20	6,344	5,266	0.83	1.77	6,100	5,063	0.83	1.89	5,734	4,759	0.83	2.03
30	22	6,832	4,851	0.71	1.80	6,588	4,677	0.71	1.94	6,222	4,418	0.71	2.07
32	16	5,429	5,429	1.00	1.68	5,185	5,185	1.00	1.80	4,941	4,941	1.00	1.95
32	18	5,856	5,856	1.00	1.72	5,673	5,673	1.00	1.86	5,307	5,307	1.00	2.00
32	20	6,344	5,773	0.91	1.77	6,100	5,551	0.91	1.89	5,734	5,218	0.91	2.03
32	22	6,832	5,397	0.79	1.80	6,588	5,205	0.79	1.94	6,222	4,915	0.79	2.07
34	16	5,429	5,429	1.00	1.68	5,185	5,185	1.00	1.80	4,941	4,941	1.00	1.95
34	18	5,856	5,856	1.00	1.72	5,673	5,673	1.00	1.86	5,307	5,307	1.00	2.00
34	20	6,344	6,281	0.99	1.77	6,100	6,039	0.99	1.89	5,734	5,677	0.99	2.03
34	22	6,832	5,944	0.87	1.80	6,588	5,732	0.87	1.94	6,222	5,413	0.87	2.07

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M71EA / PUHZ-ZRP71VHA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	7,029	4,428	0.63	1.50	6,816	4,294	0.63	1.58	6,603	4,160	0.63	1.67
20	18	7,526	3,838	0.51	1.52	7,313	3,730	0.51	1.61	7,065	3,603	0.51	1.72
20	20	8,094	3,157	0.39	1.57	7,917	3,087	0.39	1.65	7,704	3,004	0.39	1.76
22	16	7,029	4,991	0.71	1.50	6,816	4,839	0.71	1.58	6,603	4,688	0.71	1.67
22	18	7,526	4,440	0.59	1.52	7,313	4,315	0.59	1.61	7,065	4,168	0.59	1.72
22	20	8,094	3,804	0.47	1.57	7,917	3,721	0.47	1.65	7,704	3,621	0.47	1.76
24	16	7,029	5,553	0.79	1.50	6,816	5,385	0.79	1.58	6,603	5,216	0.79	1.67
24	18	7,526	5,042	0.67	1.52	7,313	4,900	0.67	1.61	7,065	4,733	0.67	1.72
24	20	8,094	4,452	0.55	1.57	7,917	4,354	0.55	1.65	7,704	4,237	0.55	1.76
24	22	8,627	3,709	0.43	1.61	8,449	3,633	0.43	1.70	8,236	3,541	0.43	1.81
26	16	7,029	6,115	0.87	1.50	6,816	5,930	0.87	1.58	6,603	5,745	0.87	1.67
26	18	7,526	5,645	0.75	1.52	7,313	5,485	0.75	1.61	7,065	5,298	0.75	1.72
26	20	8,094	5,099	0.63	1.57	7,917	4,987	0.63	1.65	7,704	4,853	0.63	1.76
26	22	8,627	4,400	0.51	1.61	8,449	4,309	0.51	1.70	8,236	4,200	0.51	1.81
27	16	7,029	6,396	0.91	1.50	6,816	6,203	0.91	1.58	6,603	6,009	0.91	1.67
27	18	7,526	5,946	0.79	1.52	7,313	5,777	0.79	1.61	7,065	5,581	0.79	1.72
27	20	8,094	5,423	0.67	1.57	7,917	5,304	0.67	1.65	7,704	5,161	0.67	1.76
27	22	8,627	4,745	0.55	1.61	8,449	4,647	0.55	1.70	8,236	4,530	0.55	1.81
28	16	7,029	6,678	0.95	1.50	6,816	6,475	0.95	1.58	6,603	6,273	0.95	1.67
28	18	7,526	6,247	0.83	1.52	7,313	6,070	0.83	1.61	7,065	5,864	0.83	1.72
28	20	8,094	5,747	0.71	1.57	7,917	5,621	0.71	1.65	7,704	5,469	0.71	1.76
28	22	8,627	5,090	0.59	1.61	8,449	4,985	0.59	1.70	8,236	4,859	0.59	1.81
30	16	7,029	7,029	1.00	1.50	6,816	6,816	1.00	1.58	6,603	6,603	1.00	1.67
30	18	7,526	6,849	0.91	1.52	7,313	6,655	0.91	1.61	7,065	6,429	0.91	1.72
30	20	8,094	6,394	0.79	1.57	7,917	6,254	0.79	1.65	7,704	6,086	0.79	1.76
30	22	8,627	5,780	0.67	1.61	8,449	5,661	0.67	1.70	8,236	5,518	0.67	1.81
32	16	7,029	7,029	1.00	1.50	6,816	6,816	1.00	1.58	6,603	6,603	1.00	1.67
32	18	7,526	7,451	0.99	1.52	7,313	7,240	0.99	1.61	7,065	6,994	0.99	1.72
32	20	8,094	7,042	0.87	1.57	7,917	6,887	0.87	1.65	7,704	6,702	0.87	1.76
32	22	8,627	6,470	0.75	1.61	8,449	6,337	0.75	1.70	8,236	6,177	0.75	1.81
34	16	7,029	7,029	1.00	1.50	6,816	6,816	1.00	1.58	6,603	6,603	1.00	1.67
34	18	7,526	7,526	1.00	1.52	7,313	7,313	1.00	1.61	7,065	7,065	1.00	1.72
34	20	8,094	7,689	0.95	1.57	7,917	7,521	0.95	1.65	7,704	7,318	0.95	1.76
34	22	8,627	7,160	0.83	1.61	8,449	7,013	0.83	1.70	8,236	6,836	0.83	1.81

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	6,319	3,981	0.63	1.80	6,035	3,802	0.63	1.93	5,751	3,623	0.63	2.09
20	18	6,816	3,476	0.51	1.84	6,603	3,368	0.51	1.98	6,177	3,150	0.51	2.13
20	20	7,384	2,880	0.39	1.89	7,100	2,769	0.39	2.02	6,674	2,603	0.39	2.17
22	16	6,319	4,486	0.71	1.80	6,035	4,285	0.71	1.93	5,751	4,083	0.71	2.09
22	18	6,816	4,021	0.59	1.84	6,603	3,896	0.59	1.98	6,177	3,644	0.59	2.13
22	20	7,384	3,470	0.47	1.89	7,100	3,337	0.47	2.02	6,674	3,137	0.47	2.17
24	16	6,319	4,992	0.79	1.80	6,035	4,768	0.79	1.93	5,751	4,543	0.79	2.09
24	18	6,816	4,567	0.67	1.84	6,603	4,424	0.67	1.98	6,177	4,139	0.67	2.13
24	20	7,384	4,061	0.55	1.89	7,100	3,905	0.55	2.02	6,674	3,671	0.55	2.17
24	22	7,952	3,419	0.43	1.93	7,668	3,297	0.43	2.08	7,242	3,114	0.43	2.21
26	16	6,319	5,498	0.87	1.80	6,035	5,250	0.87	1.93	5,751	5,003	0.87	2.09
26	18	6,816	5,112	0.75	1.84	6,603	4,952	0.75	1.98	6,177	4,633	0.75	2.13
26	20	7,384	4,652	0.63	1.89	7,100	4,473	0.63	2.02	6,674	4,205	0.63	2.17
26	22	7,952	4,056	0.51	1.93	7,668	3,911	0.51	2.08	7,242	3,693	0.51	2.21
27	16	6,319	5,750	0.91	1.80	6,035	5,492	0.91	1.93	5,751	5,233	0.91	2.09
27	18	6,816	5,385	0.79	1.84	6,603	5,216	0.79	1.98	6,177	4,880	0.79	2.13
27	20	7,384	4,947	0.67	1.89	7,100	4,757	0.67	2.02	6,674	4,472	0.67	2.17
27	22	7,952	4,374	0.55	1.93	7,668	4,217	0.55	2.08	7,242	3,983	0.55	2.21
28	16	6,319	6,003	0.95	1.80	6,035	5,733	0.95	1.93	5,751	5,463	0.95	2.09
28	18	6,816	5,657	0.83	1.84	6,603	5,480	0.83	1.98	6,177	5,127	0.83	2.13
28	20	7,384	5,243	0.71	1.89	7,100	5,041	0.71	2.02	6,674	4,739	0.71	2.17
28	22	7,952	4,692	0.59	1.93	7,668	4,524	0.59	2.08	7,242	4,273	0.59	2.21
30	16	6,319	6,319	1.00	1.80	6,035	6,035	1.00	1.93	5,751	5,751	1.00	2.09
30	18	6,816	6,203	0.91	1.84	6,603	6,009	0.91	1.98	6,177	5,621	0.91	2.13
30	20	7,384	5,833	0.79	1.89	7,100	5,609	0.79	2.02	6,674	5,272	0.79	2.17
30	22	7,952	5,328	0.67	1.93	7,668	5,138	0.67	2.08	7,242	4,852	0.67	2.21
32	16	6,319	6,319	1.00	1.80	6,035	6,035	1.00	1.93	5,751	5,751	1.00	2.09
32	18	6,816	6,748	0.99	1.84	6,603	6,537	0.99	1.98	6,177	6,115	0.99	2.13
32	20	7,384	6,424	0.87	1.89	7,100	6,177	0.87	2.02	6,674	5,806	0.87	2.17
32	22	7,952	5,964	0.75	1.93	7,668	5,751	0.75	2.08	7,242	5,432	0.75	2.21
34	16	6,319	6,319	1.00	1.80	6,035	6,035	1.00	1.93	5,751	5,751	1.00	2.09
34	18	6,816	6,816	1.00	1.84	6,603	6,603	1.00	1.98	6,177	6,177	1.00	2.13
34	20	7,384	7,015	0.95	1.89	7,100	6,745	0.95	2.02	6,674	6,340	0.95	2.17
34	22	7,952	6,600	0.83	1.93	7,668	6,364	0.83	2.08	7,242	6,011	0.83	2.21

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M100EA / PUHZ-ZRP100VKA3 PUHZ-ZRP100YKA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	6,019	0.64	1.78	9,120	5,837	0.64	1.88	8,835	5,654	0.64	2.00
20	18	10,070	5,236	0.52	1.82	9,785	5,088	0.52	1.92	9,453	4,915	0.52	2.05
20	20	10,830	4,332	0.40	1.87	10,593	4,237	0.40	1.96	10,308	4,123	0.40	2.10
22	16	9,405	6,772	0.72	1.78	9,120	6,566	0.72	1.88	8,835	6,361	0.72	2.00
22	18	10,070	6,042	0.60	1.82	9,785	5,871	0.60	1.92	9,453	5,672	0.60	2.05
22	20	10,830	5,198	0.48	1.87	10,593	5,084	0.48	1.96	10,308	4,948	0.48	2.10
24	16	9,405	7,524	0.80	1.78	9,120	7,296	0.80	1.88	8,835	7,068	0.80	2.00
24	18	10,070	6,848	0.68	1.82	9,785	6,654	0.68	1.92	9,453	6,428	0.68	2.05
24	20	10,830	6,065	0.56	1.87	10,593	5,932	0.56	1.96	10,308	5,772	0.56	2.10
24	22	11,543	5,079	0.44	1.92	11,305	4,974	0.44	2.03	11,020	4,849	0.44	2.16
26	16	9,405	8,276	0.88	1.78	9,120	8,026	0.88	1.88	8,835	7,775	0.88	2.00
26	18	10,070	7,653	0.76	1.82	9,785	7,437	0.76	1.92	9,453	7,184	0.76	2.05
26	20	10,830	6,931	0.64	1.87	10,593	6,779	0.64	1.96	10,308	6,597	0.64	2.10
26	22	11,543	6,002	0.52	1.92	11,305	5,879	0.52	2.03	11,020	5,730	0.52	2.16
27	16	9,405	8,653	0.92	1.78	9,120	8,390	0.92	1.88	8,835	8,128	0.92	2.00
27	18	10,070	8,056	0.80	1.82	9,785	7,828	0.80	1.92	9,453	7,562	0.80	2.05
27	20	10,830	7,364	0.68	1.87	10,593	7,203	0.68	1.96	10,308	7,009	0.68	2.10
27	22	11,543	6,464	0.56	1.92	11,305	6,331	0.56	2.03	11,020	6,171	0.56	2.16
28	16	9,405	9,029	0.96	1.78	9,120	8,755	0.96	1.88	8,835	8,482	0.96	2.00
28	18	10,070	8,459	0.84	1.82	9,785	8,219	0.84	1.92	9,453	7,940	0.84	2.05
28	20	10,830	7,798	0.72	1.87	10,593	7,627	0.72	1.96	10,308	7,421	0.72	2.10
28	22	11,543	6,926	0.60	1.92	11,305	6,783	0.60	2.03	11,020	6,612	0.60	2.16
30	16	9,405	9,405	1.00	1.78	9,120	9,120	1.00	1.88	8,835	8,835	1.00	2.00
30	18	10,070	9,264	0.92	1.82	9,785	9,002	0.92	1.92	9,453	8,696	0.92	2.05
30	20	10,830	8,664	0.80	1.87	10,593	8,474	0.80	1.96	10,308	8,246	0.80	2.10
30	22	11,543	7,849	0.68	1.92	11,305	7,687	0.68	2.03	11,020	7,494	0.68	2.16
32	16	9,405	9,405	1.00	1.78	9,120	9,120	1.00	1.88	8,835	8,835	1.00	2.00
32	18	10,070	10,070	1.00	1.82	9,785	9,785	1.00	1.92	9,453	9,453	1.00	2.05
32	20	10,830	9,530	0.88	1.87	10,593	9,321	0.88	1.96	10,308	9,071	0.88	2.10
32	22	11,543	8,772	0.76	1.92	11,305	8,592	0.76	2.03	11,020	8,375	0.76	2.16
34	16	9,405	9,405	1.00	1.78	9,120	9,120	1.00	1.88	8,835	8,835	1.00	2.00
34	18	10,070	10,070	1.00	1.82	9,785	9,785	1.00	1.92	9,453	9,453	1.00	2.05
34	20	10,830	10,397	0.96	1.87	10,593	10,169	0.96	1.96	10,308	9,895	0.96	2.10
34	22	11,543	9,696	0.84	1.92	11,305	9,496	0.84	2.03	11,020	9,257	0.84	2.16

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	5,411	0.64	2.14	8,075	5,168	0.64	2.30	7,695	4,925	0.64	2.49
20	18	9,120	4,742	0.52	2.20	8,835	4,594	0.52	2.36	8,265	4,298	0.52	2.54
20	20	9,880	3,952	0.40	2.25	9,500	3,800	0.40	2.41	8,930	3,572	0.40	2.59
22	16	8,455	6,088	0.72	2.14	8,075	5,814	0.72	2.30	7,695	5,540	0.72	2.49
22	18	9,120	5,472	0.60	2.20	8,835	5,301	0.60	2.36	8,265	4,959	0.60	2.54
22	20	9,880	4,742	0.48	2.25	9,500	4,560	0.48	2.41	8,930	4,286	0.48	2.59
24	16	8,455	6,764	0.80	2.14	8,075	6,460	0.80	2.30	7,695	6,156	0.80	2.49
24	18	9,120	6,202	0.68	2.20	8,835	6,008	0.68	2.36	8,265	5,620	0.68	2.54
24	20	9,880	5,533	0.56	2.25	9,500	5,320	0.56	2.41	8,930	5,001	0.56	2.59
24	22	10,640	4,682	0.44	2.30	10,260	4,514	0.44	2.48	9,690	4,264	0.44	2.63
26	16	8,455	7,440	0.88	2.14	8,075	7,106	0.88	2.30	7,695	6,772	0.88	2.49
26	18	9,120	6,931	0.76	2.20	8,835	6,715	0.76	2.36	8,265	6,281	0.76	2.54
26	20	9,880	6,323	0.64	2.25	9,500	6,080	0.64	2.41	8,930	5,715	0.64	2.59
26	22	10,640	5,533	0.52	2.30	10,260	5,335	0.52	2.48	9,690	5,039	0.52	2.63
27	16	8,455	7,779	0.92	2.14	8,075	7,429	0.92	2.30	7,695	7,079	0.92	2.49
27	18	9,120	7,296	0.80	2.20	8,835	7,068	0.80	2.36	8,265	6,612	0.80	2.54
27	20	9,880	6,718	0.68	2.25	9,500	6,460	0.68	2.41	8,930	6,072	0.68	2.59
27	22	10,640	5,958	0.56	2.30	10,260	5,746	0.56	2.48	9,690	5,426	0.56	2.63
28	16	8,455	8,117	0.96	2.14	8,075	7,752	0.96	2.30	7,695	7,387	0.96	2.49
28	18	9,120	7,661	0.84	2.20	8,835	7,421	0.84	2.36	8,265	6,943	0.84	2.54
28	20	9,880	7,114	0.72	2.25	9,500	6,840	0.72	2.41	8,930	6,430	0.72	2.59
28	22	10,640	6,384	0.60	2.30	10,260	6,156	0.60	2.48	9,690	5,814	0.60	2.63
30	16	8,455	8,455	1.00	2.14	8,075	8,075	1.00	2.30	7,695	7,695	1.00	2.49
30	18	9,120	8,390	0.92	2.20	8,835	8,128	0.92	2.36	8,265	7,604	0.92	2.54
30	20	9,880	7,904	0.80	2.25	9,500	7,600	0.80	2.41	8,930	7,144	0.80	2.59
30	22	10,640	7,235	0.68	2.30	10,260	6,977	0.68	2.48	9,690	6,589	0.68	2.63
32	16	8,455	8,455	1.00	2.14	8,075	8,075	1.00	2.30	7,695	7,695	1.00	2.49
32	18	9,120	9,120	1.00	2.20	8,835	8,835	1.00	2.36	8,265	8,265	1.00	2.54
32	20	9,880	8,694	0.88	2.25	9,500	8,360	0.88	2.41	8,930	7,858	0.88	2.59
32	22	10,640	8,086	0.76	2.30	10,260	7,798	0.76	2.48	9,690	7,364	0.76	2.63
34	16	8,455	8,455	1.00	2.14	8,075	8,075	1.00	2.30	7,695	7,695	1.00	2.49
34	18	9,120	9,120	1.00	2.20	8,835	8,835	1.00	2.36	8,265	8,265	1.00	2.54
34	20	9,880	9,485	0.96	2.25	9,500	9,120	0.96	2.41	8,930	8,573	0.96	2.59
34	22	10,640	8,938	0.84	2.30	10,260	8,618	0.84	2.48	9,690	8,140	0.84	2.63

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PLA-M125EA / PUHZ-ZRP125VKA3 PUHZ-ZRP125YKA3

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		20				25				30			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	12,375	7,549	0.61	3.10	12,000	7,320	0.61	3.27	11,625	7,091	0.61	3.46
20	18	13,250	6,493	0.49	3.15	12,875	6,309	0.49	3.33	12,438	6,094	0.49	3.56
20	20	14,250	5,273	0.37	3.25	13,938	5,157	0.37	3.41	13,563	5,018	0.37	3.64
22	16	12,375	8,539	0.69	3.10	12,000	8,280	0.69	3.27	11,625	8,021	0.69	3.46
22	18	13,250	7,553	0.57	3.15	12,875	7,339	0.57	3.33	12,438	7,089	0.57	3.56
22	20	14,250	6,413	0.45	3.25	13,938	6,272	0.45	3.41	13,563	6,103	0.45	3.64
24	16	12,375	9,529	0.77	3.10	12,000	9,240	0.77	3.27	11,625	8,951	0.77	3.46
24	18	13,250	8,613	0.65	3.15	12,875	8,369	0.65	3.33	12,438	8,084	0.65	3.56
24	20	14,250	7,553	0.53	3.25	13,938	7,387	0.53	3.41	13,563	7,188	0.53	3.64
24	22	15,188	6,227	0.41	3.33	14,875	6,099	0.41	3.52	14,500	5,945	0.41	3.75
26	16	12,375	10,519	0.85	3.10	12,000	10,200	0.85	3.27	11,625	9,881	0.85	3.46
26	18	13,250	9,673	0.73	3.15	12,875	9,399	0.73	3.33	12,438	9,079	0.73	3.56
26	20	14,250	8,693	0.61	3.25	13,938	8,502	0.61	3.41	13,563	8,273	0.61	3.64
26	22	15,188	7,442	0.49	3.33	14,875	7,289	0.49	3.52	14,500	7,105	0.49	3.75
27	16	12,375	11,014	0.89	3.10	12,000	10,680	0.89	3.27	11,625	10,346	0.89	3.46
27	18	13,250	10,203	0.77	3.15	12,875	9,914	0.77	3.33	12,438	9,577	0.77	3.56
27	20	14,250	9,263	0.65	3.25	13,938	9,059	0.65	3.41	13,563	8,816	0.65	3.64
27	22	15,188	8,049	0.53	3.33	14,875	7,884	0.53	3.52	14,500	7,685	0.53	3.75
28	16	12,375	11,509	0.93	3.10	12,000	11,160	0.93	3.27	11,625	10,811	0.93	3.46
28	18	13,250	10,733	0.81	3.15	12,875	10,429	0.81	3.33	12,438	10,074	0.81	3.56
28	20	14,250	9,833	0.69	3.25	13,938	9,617	0.69	3.41	13,563	9,358	0.69	3.64
28	22	15,188	8,657	0.57	3.33	14,875	8,479	0.57	3.52	14,500	8,265	0.57	3.75
30	16	12,375	12,375	1.00	3.10	12,000	12,000	1.00	3.27	11,625	11,625	1.00	3.46
30	18	13,250	11,793	0.89	3.15	12,875	11,459	0.89	3.33	12,438	11,069	0.89	3.56
30	20	14,250	10,973	0.77	3.25	13,938	10,732	0.77	3.41	13,563	10,443	0.77	3.64
30	22	15,188	9,872	0.65	3.33	14,875	9,669	0.65	3.52	14,500	9,425	0.65	3.75
32	16	12,375	12,375	1.00	3.10	12,000	12,000	1.00	3.27	11,625	11,625	1.00	3.46
32	18	13,250	12,853	0.97	3.15	12,875	12,489	0.97	3.33	12,438	12,064	0.97	3.56
32	20	14,250	12,113	0.85	3.25	13,938	11,847	0.85	3.41	13,563	11,528	0.85	3.64
32	22	15,188	11,087	0.73	3.33	14,875	10,859	0.73	3.52	14,500	10,585	0.73	3.75
34	16	12,375	12,375	1.00	3.10	12,000	12,000	1.00	3.27	11,625	11,625	1.00	3.46
34	18	13,250	13,250	1.00	3.15	12,875	12,875	1.00	3.33	12,438	12,438	1.00	3.56
34	20	14,250	13,253	0.93	3.25	13,938	12,962	0.93	3.41	13,563	12,613	0.93	3.64
34	22	15,188	12,302	0.81	3.33	14,875	12,049	0.81	3.52	14,500	11,745	0.81	3.75

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		35				40				45			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	11,125	6,786	0.61	3.72	10,625	6,481	0.61	3.99	10,125	6,176	0.61	4.32
20	18	12,000	5,880	0.49	3.81	11,625	5,696	0.49	4.10	10,875	5,329	0.49	4.41
20	20	13,000	4,810	0.37	3.91	12,500	4,625	0.37	4.18	11,750	4,348	0.37	4.49
22	16	11,125	7,676	0.69	3.72	10,625	7,331	0.69	3.99	10,125	6,986	0.69	4.32
22	18	12,000	6,840	0.57	3.81	11,625	6,626	0.57	4.10	10,875	6,199	0.57	4.41
22	20	13,000	5,850	0.45	3.91	12,500	5,625	0.45	4.18	11,750	5,288	0.45	4.49
24	16	11,125	8,566	0.77	3.72	10,625	8,181	0.77	3.99	10,125	7,796	0.77	4.32
24	18	12,000	7,800	0.65	3.81	11,625	7,556	0.65	4.10	10,875	7,069	0.65	4.41
24	20	13,000	6,890	0.53	3.91	12,500	6,625	0.53	4.18	11,750	6,228	0.53	4.49
24	22	14,000	5,740	0.41	3.99	13,500	5,535	0.41	4.30	12,750	5,228	0.41	4.57
26	16	11,125	9,456	0.85	3.72	10,625	9,031	0.85	3.99	10,125	8,606	0.85	4.32
26	18	12,000	8,760	0.73	3.81	11,625	8,486	0.73	4.10	10,875	7,939	0.73	4.41
26	20	13,000	7,930	0.61	3.91	12,500	7,625	0.61	4.18	11,750	7,168	0.61	4.49
26	22	14,000	6,860	0.49	3.99	13,500	6,615	0.49	4.30	12,750	6,248	0.49	4.57
27	16	11,125	9,901	0.89	3.72	10,625	9,456	0.89	3.99	10,125	9,011	0.89	4.32
27	18	12,000	9,240	0.77	3.81	11,625	8,951	0.77	4.10	10,875	8,374	0.77	4.41
27	20	13,000	8,450	0.65	3.91	12,500	8,125	0.65	4.18	11,750	7,638	0.65	4.49
27	22	14,000	7,420	0.53	3.99	13,500	7,155	0.53	4.30	12,750	6,758	0.53	4.57
28	16	11,125	10,346	0.93	3.72	10,625	9,881	0.93	3.99	10,125	9,416	0.93	4.32
28	18	12,000	9,720	0.81	3.81	11,625	9,416	0.81	4.10	10,875	8,809	0.81	4.41
28	20	13,000	8,970	0.69	3.91	12,500	8,625	0.69	4.18	11,750	8,108	0.69	4.49
28	22	14,000	7,980	0.57	3.99	13,500	7,695	0.57	4.30	12,750	7,268	0.57	4.57
30	16	11,125	11,125	1.00	3.72	10,625	10,625	1.00	3.99	10,125	10,125	1.00	4.32
30	18	12,000	10,680	0.89	3.81	11,625	10,346	0.89	4.10	10,875	9,679	0.89	4.41
30	20	13,000	10,010	0.77	3.91	12,500	9,625	0.77	4.18	11,750	9,048	0.77	4.49
30	22	14,000	9,100	0.65	3.99	13,500	8,775	0.65	4.30	12,750	8,288	0.65	4.57
32	16	11,125	11,125	1.00	3.72	10,625	10,625	1.00	3.99	10,125	10,125	1.00	4.32
32	18	12,000	11,640	0.97	3.81	11,625	11,276	0.97	4.10	10,875	10,549	0.97	4.41
32	20	13,000	11,050	0.85	3.91	12,500	10,625	0.85	4.18	11,750	9,988	0.85	4.49
32	22	14,000	10,220	0.73	3.99	13,500	9,855	0.73	4.30	12,750	9,308	0.73	4.57
34	16	11,125	11,125	1.00	3.72	10,625	10,625	1.00	3.99	10,125	10,125	1.00	4.32
34	18	12,000	12,000	1.00	3.81	11,625	11,625	1.00	4.10	10,875	10,875	1.00	4.41
34	20	13,000	12,090	0.93	3.91	12,500	11,625	0.93	4.18	11,750	10,928	0.93	4.49
34	22	14,000	11,340	0.81	3.99	13,500	10,935	0.81	4.30	12,750	10,328	0.81	4.57

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M140EA / PUHZ-ZRP140VKA3 PUHZ-ZRP140YKA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,266	8,225	0.62	3.51	12,864	7,976	0.62	3.71	12,462	7,726	0.62	3.93
20	18	14,204	7,102	0.50	3.58	13,802	6,901	0.50	3.78	13,333	6,667	0.50	4.04
20	20	15,276	5,805	0.38	3.69	14,941	5,678	0.38	3.86	14,539	5,525	0.38	4.13
22	16	13,266	9,286	0.70	3.51	12,864	9,005	0.70	3.71	12,462	8,723	0.70	3.93
22	18	14,204	8,238	0.58	3.58	13,802	8,005	0.58	3.78	13,333	7,733	0.58	4.04
22	20	15,276	7,027	0.46	3.69	14,941	6,873	0.46	3.86	14,539	6,688	0.46	4.13
24	16	13,266	10,347	0.78	3.51	12,864	10,034	0.78	3.71	12,462	9,720	0.78	3.93
24	18	14,204	9,375	0.66	3.58	13,802	9,109	0.66	3.78	13,333	8,800	0.66	4.04
24	20	15,276	8,249	0.54	3.69	14,941	8,068	0.54	3.86	14,539	7,851	0.54	4.13
24	22	16,281	6,838	0.42	3.78	15,946	6,697	0.42	3.99	15,544	6,528	0.42	4.26
26	16	13,266	11,409	0.86	3.51	12,864	11,063	0.86	3.71	12,462	10,717	0.86	3.93
26	18	14,204	10,511	0.74	3.58	13,802	10,213	0.74	3.78	13,333	9,866	0.74	4.04
26	20	15,276	9,471	0.62	3.69	14,941	9,263	0.62	3.86	14,539	9,014	0.62	4.13
26	22	16,281	8,141	0.50	3.78	15,946	7,973	0.50	3.99	15,544	7,772	0.50	4.26
27	16	13,266	11,939	0.90	3.51	12,864	11,578	0.90	3.71	12,462	11,216	0.90	3.93
27	18	14,204	11,079	0.78	3.58	13,802	10,766	0.78	3.78	13,333	10,400	0.78	4.04
27	20	15,276	10,082	0.66	3.69	14,941	9,861	0.66	3.86	14,539	9,596	0.66	4.13
27	22	16,281	8,792	0.54	3.78	15,946	8,611	0.54	3.99	15,544	8,394	0.54	4.26
28	16	13,266	12,470	0.94	3.51	12,864	12,092	0.94	3.71	12,462	11,714	0.94	3.93
28	18	14,204	11,647	0.82	3.58	13,802	11,318	0.82	3.78	13,333	10,933	0.82	4.04
28	20	15,276	10,693	0.70	3.69	14,941	10,459	0.70	3.86	14,539	10,177	0.70	4.13
28	22	16,281	9,443	0.58	3.78	15,946	9,249	0.58	3.99	15,544	9,016	0.58	4.26
30	16	13,266	13,266	1.00	3.51	12,864	12,864	1.00	3.71	12,462	12,462	1.00	3.93
30	18	14,204	12,784	0.90	3.58	13,802	12,422	0.90	3.78	13,333	12,000	0.90	4.04
30	20	15,276	11,915	0.78	3.69	14,941	11,654	0.78	3.86	14,539	11,340	0.78	4.13
30	22	16,281	10,745	0.66	3.78	15,946	10,524	0.66	3.99	15,544	10,259	0.66	4.26
32	16	13,266	13,266	1.00	3.51	12,864	12,864	1.00	3.71	12,462	12,462	1.00	3.93
32	18	14,204	13,920	0.98	3.58	13,802	13,526	0.98	3.78	13,333	13,066	0.98	4.04
32	20	15,276	13,137	0.86	3.69	14,941	12,849	0.86	3.86	14,539	12,504	0.86	4.13
32	22	16,281	12,048	0.74	3.78	15,946	11,800	0.74	3.99	15,544	11,503	0.74	4.26
34	16	13,266	13,266	1.00	3.51	12,864	12,864	1.00	3.71	12,462	12,462	1.00	3.93
34	18	14,204	14,204	1.00	3.58	13,802	13,802	1.00	3.78	13,333	13,333	1.00	4.04
34	20	15,276	14,359	0.94	3.69	14,941	14,045	0.94	3.86	14,539	13,667	0.94	4.13
34	22	16,281	13,350	0.82	3.78	15,946	13,076	0.82	3.99	15,544	12,746	0.82	4.26

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,926	7,394	0.62	4.21	11,390	7,062	0.62	4.52	10,854	6,729	0.62	4.89
20	18	12,864	6,432	0.50	4.32	12,462	6,231	0.50	4.65	11,658	5,829	0.50	5.00
20	20	13,936	5,296	0.38	4.43	13,400	5,092	0.38	4.74	12,596	4,786	0.38	5.09
22	16	11,926	8,348	0.70	4.21	11,390	7,973	0.70	4.52	10,854	7,598	0.70	4.89
22	18	12,864	7,461	0.58	4.32	12,462	7,228	0.58	4.65	11,658	6,762	0.58	5.00
22	20	13,936	6,411	0.46	4.43	13,400	6,164	0.46	4.74	12,596	5,794	0.46	5.09
24	16	11,926	9,302	0.78	4.21	11,390	8,884	0.78	4.52	10,854	8,466	0.78	4.89
24	18	12,864	8,490	0.66	4.32	12,462	8,225	0.66	4.65	11,658	7,694	0.66	5.00
24	20	13,936	7,525	0.54	4.43	13,400	7,236	0.54	4.74	12,596	6,802	0.54	5.09
24	22	15,008	6,303	0.42	4.52	14,472	6,078	0.42	4.87	13,668	5,741	0.42	5.18
26	16	11,926	10,256	0.86	4.21	11,390	9,795	0.86	4.52	10,854	9,334	0.86	4.89
26	18	12,864	9,519	0.74	4.32	12,462	9,222	0.74	4.65	11,658	8,627	0.74	5.00
26	20	13,936	8,640	0.62	4.43	13,400	8,308	0.62	4.74	12,596	7,810	0.62	5.09
26	22	15,008	7,504	0.50	4.52	14,472	7,236	0.50	4.87	13,668	6,834	0.50	5.18
27	16	11,926	10,733	0.90	4.21	11,390	10,251	0.90	4.52	10,854	9,769	0.90	4.89
27	18	12,864	10,034	0.78	4.32	12,462	9,720	0.78	4.65	11,658	9,093	0.78	5.00
27	20	13,936	9,198	0.66	4.43	13,400	8,844	0.66	4.74	12,596	8,313	0.66	5.09
27	22	15,008	8,104	0.54	4.52	14,472	7,815	0.54	4.87	13,668	7,381	0.54	5.18
28	16	11,926	11,210	0.94	4.21	11,390	10,707	0.94	4.52	10,854	10,203	0.94	4.89
28	18	12,864	10,548	0.82	4.32	12,462	10,219	0.82	4.65	11,658	9,560	0.82	5.00
28	20	13,936	9,755	0.70	4.43	13,400	9,380	0.70	4.74	12,596	8,817	0.70	5.09
28	22	15,008	8,705	0.58	4.52	14,472	8,394	0.58	4.87	13,668	7,927	0.58	5.18
30	16	11,926	11,926	1.00	4.21	11,390	11,390	1.00	4.52	10,854	10,854	1.00	4.89
30	18	12,864	11,578	0.90	4.32	12,462	11,216	0.90	4.65	11,658	10,492	0.90	5.00
30	20	13,936	10,870	0.78	4.43	13,400	10,452	0.78	4.74	12,596	9,825	0.78	5.09
30	22	15,008	9,905	0.66	4.52	14,472	9,552	0.66	4.87	13,668	9,021	0.66	5.18
32	16	11,926	11,926	1.00	4.21	11,390	11,390	1.00	4.52	10,854	10,854	1.00	4.89
32	18	12,864	12,607	0.98	4.32	12,462	12,213	0.98	4.65	11,658	11,425	0.98	5.00
32	20	13,936	11,985	0.86	4.43	13,400	11,524	0.86	4.74	12,596	10,833	0.86	5.09
32	22	15,008	11,106	0.74	4.52	14,472	10,709	0.74	4.87	13,668	10,114	0.74	5.18
34	16	11,926	11,926	1.00	4.21	11,390	11,390	1.00	4.52	10,854	10,854	1.00	4.89
34	18	12,864	12,864	1.00	4.32	12,462	12,462	1.00	4.65	11,658	11,658	1.00	5.00
34	20	13,936	13,100	0.94	4.43	13,400	12,596	0.94	4.74	12,596	11,840	0.94	5.09
34	22	15,008	12,307	0.82	4.52	14,472	11,867	0.82	4.87	13,668	11,208	0.82	5.18

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-ZM71EA / PUHZ-FRP71VHA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	7,029	4,428	0.63	1.50	6,816	4,294	0.63	1.59	6,603	4,160	0.63	1.68
20	18	7,526	3,838	0.51	1.53	7,313	3,730	0.51	1.62	7,065	3,603	0.51	1.73
20	20	8,094	3,157	0.39	1.58	7,917	3,087	0.39	1.65	7,704	3,004	0.39	1.77
22	16	7,029	4,991	0.71	1.50	6,816	4,839	0.71	1.59	6,603	4,688	0.71	1.68
22	18	7,526	4,440	0.59	1.53	7,313	4,315	0.59	1.62	7,065	4,168	0.59	1.73
22	20	8,094	3,804	0.47	1.58	7,917	3,721	0.47	1.65	7,704	3,621	0.47	1.77
24	16	7,029	5,553	0.79	1.50	6,816	5,385	0.79	1.59	6,603	5,216	0.79	1.68
24	18	7,526	5,042	0.67	1.53	7,313	4,900	0.67	1.62	7,065	4,733	0.67	1.73
24	20	8,094	4,452	0.55	1.58	7,917	4,354	0.55	1.65	7,704	4,237	0.55	1.77
24	22	8,627	3,709	0.43	1.62	8,449	3,633	0.43	1.71	8,236	3,541	0.43	1.82
26	16	7,029	6,115	0.87	1.50	6,816	5,930	0.87	1.59	6,603	5,745	0.87	1.68
26	18	7,526	5,645	0.75	1.53	7,313	5,485	0.75	1.62	7,065	5,298	0.75	1.73
26	20	8,094	5,099	0.63	1.58	7,917	4,987	0.63	1.65	7,704	4,853	0.63	1.77
26	22	8,627	4,400	0.51	1.62	8,449	4,309	0.51	1.71	8,236	4,200	0.51	1.82
27	16	7,029	6,396	0.91	1.50	6,816	6,203	0.91	1.59	6,603	6,009	0.91	1.68
27	18	7,526	5,946	0.79	1.53	7,313	5,777	0.79	1.62	7,065	5,581	0.79	1.73
27	20	8,094	5,423	0.67	1.58	7,917	5,304	0.67	1.65	7,704	5,161	0.67	1.77
27	22	8,627	4,745	0.55	1.62	8,449	4,647	0.55	1.71	8,236	4,530	0.55	1.82
28	16	7,029	6,678	0.95	1.50	6,816	6,475	0.95	1.59	6,603	6,273	0.95	1.68
28	18	7,526	6,247	0.83	1.53	7,313	6,070	0.83	1.62	7,065	5,864	0.83	1.73
28	20	8,094	5,747	0.71	1.58	7,917	5,621	0.71	1.65	7,704	5,469	0.71	1.77
28	22	8,627	5,090	0.59	1.62	8,449	4,985	0.59	1.71	8,236	4,859	0.59	1.82
30	16	7,029	7,029	1.00	1.50	6,816	6,816	1.00	1.59	6,603	6,603	1.00	1.68
30	18	7,526	6,849	0.91	1.53	7,313	6,655	0.91	1.62	7,065	6,429	0.91	1.73
30	20	8,094	6,394	0.79	1.58	7,917	6,254	0.79	1.65	7,704	6,086	0.79	1.77
30	22	8,627	5,780	0.67	1.62	8,449	5,661	0.67	1.71	8,236	5,518	0.67	1.82
32	16	7,029	7,029	1.00	1.50	6,816	6,816	1.00	1.59	6,603	6,603	1.00	1.68
32	18	7,526	7,451	0.99	1.53	7,313	7,240	0.99	1.62	7,065	6,994	0.99	1.73
32	20	8,094	7,042	0.87	1.58	7,917	6,887	0.87	1.65	7,704	6,702	0.87	1.77
32	22	8,627	6,470	0.75	1.62	8,449	6,337	0.75	1.71	8,236	6,177	0.75	1.82
34	16	7,029	7,029	1.00	1.50	6,816	6,816	1.00	1.59	6,603	6,603	1.00	1.68
34	18	7,526	7,526	1.00	1.53	7,313	7,313	1.00	1.62	7,065	7,065	1.00	1.73
34	20	8,094	7,689	0.95	1.58	7,917	7,521	0.95	1.65	7,704	7,318	0.95	1.77
34	22	8,627	7,160	0.83	1.62	8,449	7,013	0.83	1.71	8,236	6,836	0.83	1.82

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	6,319	3,981	0.63	1.80	6,035	3,802	0.63	1.94	5,751	3,623	0.63	2.10
20	18	6,816	3,476	0.51	1.85	6,603	3,368	0.51	1.99	6,177	3,150	0.51	2.14
20	20	7,384	2,880	0.39	1.90	7,100	2,769	0.39	2.03	6,674	2,603	0.39	2.18
22	16	6,319	4,486	0.71	1.80	6,035	4,285	0.71	1.94	5,751	4,083	0.71	2.10
22	18	6,816	4,021	0.59	1.85	6,603	3,896	0.59	1.99	6,177	3,644	0.59	2.14
22	20	7,384	3,470	0.47	1.90	7,100	3,337	0.47	2.03	6,674	3,137	0.47	2.18
24	16	6,319	4,992	0.79	1.80	6,035	4,768	0.79	1.94	5,751	4,543	0.79	2.10
24	18	6,816	4,567	0.67	1.85	6,603	4,424	0.67	1.99	6,177	4,139	0.67	2.14
24	20	7,384	4,061	0.55	1.90	7,100	3,905	0.55	2.03	6,674	3,671	0.55	2.18
24	22	7,952	3,419	0.43	1.94	7,668	3,297	0.43	2.09	7,242	3,114	0.43	2.22
26	16	6,319	5,498	0.87	1.80	6,035	5,250	0.87	1.94	5,751	5,003	0.87	2.10
26	18	6,816	5,112	0.75	1.85	6,603	4,952	0.75	1.99	6,177	4,633	0.75	2.14
26	20	7,384	4,652	0.63	1.90	7,100	4,473	0.63	2.03	6,674	4,205	0.63	2.18
26	22	7,952	4,056	0.51	1.94	7,668	3,911	0.51	2.09	7,242	3,693	0.51	2.22
27	16	6,319	5,750	0.91	1.80	6,035	5,492	0.91	1.94	5,751	5,233	0.91	2.10
27	18	6,816	5,385	0.79	1.85	6,603	5,216	0.79	1.99	6,177	4,880	0.79	2.14
27	20	7,384	4,947	0.67	1.90	7,100	4,757	0.67	2.03	6,674	4,472	0.67	2.18
27	22	7,952	4,374	0.55	1.94	7,668	4,217	0.55	2.09	7,242	3,983	0.55	2.22
28	16	6,319	6,003	0.95	1.80	6,035	5,733	0.95	1.94	5,751	5,463	0.95	2.10
28	18	6,816	5,657	0.83	1.85	6,603	5,480	0.83	1.99	6,177	5,127	0.83	2.14
28	20	7,384	5,243	0.71	1.90	7,100	5,041	0.71	2.03	6,674	4,739	0.71	2.18
28	22	7,952	4,692	0.59	1.94	7,668	4,524	0.59	2.09	7,242	4,273	0.59	2.22
30	16	6,319	6,319	1.00	1.80	6,035	6,035	1.00	1.94	5,751	5,751	1.00	2.10
30	18	6,816	6,203	0.91	1.85	6,603	6,009	0.91	1.99	6,177	5,621	0.91	2.14
30	20	7,384	5,833	0.79	1.90	7,100	5,609	0.79	2.03	6,674	5,272	0.79	2.18
30	22	7,952	5,328	0.67	1.94	7,668	5,138	0.67	2.09	7,242	4,852	0.67	2.22
32	16	6,319	6,319	1.00	1.80	6,035	6,035	1.00	1.94	5,751	5,751	1.00	2.10
32	18	6,816	6,748	0.99	1.85	6,603	6,537	0.99	1.99	6,177	6,115	0.99	2.14
32	20	7,384	6,424	0.87	1.90	7,100	6,177	0.87	2.03	6,674	5,806	0.87	2.18
32	22	7,952	5,964	0.75	1.94	7,668	5,751	0.75	2.09	7,242	5,432	0.75	2.22
34	16	6,319	6,319	1.00	1.80	6,035	6,035	1.00	1.94	5,751	5,751	1.00	2.10
34	18	6,816	6,816	1.00	1.85	6,603	6,603	1.00	1.99	6,177	6,177	1.00	2.14
34	20	7,384	7,015	0.95	1.90	7,100	6,745	0.95	2.03	6,674	6,340	0.95	2.18
34	22	7,952	6,600	0.83	1.94	7,668	6,364	0.83	2.09	7,242	6,011	0.83	2.22

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M35EA / SUZ-KA35VA6

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4,230	2,792	0.66	0.816	4,050	2,673	0.66	0.857	3,888	2,566	0.66	0.898	3,744	2,471	0.66	0.938
21	20	4,410	2,381	0.54	0.857	4,230	2,284	0.54	0.908	4,104	2,216	0.54	0.928	3,960	2,138	0.54	0.969
22	18	4,230	2,961	0.70	0.816	4,050	2,835	0.70	0.857	3,888	2,722	0.70	0.898	3,744	2,621	0.70	0.938
22	20	4,410	2,558	0.58	0.857	4,230	2,453	0.58	0.908	4,104	2,380	0.58	0.928	3,960	2,297	0.58	0.969
22	22	4,590	2,111	0.46	0.887	4,428	2,037	0.46	0.944	4,320	1,987	0.46	0.969	4,140	1,904	0.46	1.010
23	18	4,230	3,130	0.74	0.816	4,050	2,997	0.74	0.857	3,888	2,877	0.74	0.898	3,744	2,771	0.74	0.938
23	20	4,410	2,734	0.62	0.857	4,230	2,623	0.62	0.908	4,104	2,544	0.62	0.928	3,960	2,455	0.62	0.969
23	22	4,590	2,295	0.50	0.887	4,428	2,214	0.50	0.944	4,320	2,160	0.50	0.969	4,140	2,070	0.50	1.010
24	18	4,230	3,299	0.78	0.816	4,050	3,159	0.78	0.857	3,888	3,033	0.78	0.898	3,744	2,920	0.78	0.938
24	20	4,410	2,911	0.66	0.857	4,230	2,792	0.66	0.908	4,104	2,709	0.66	0.928	3,960	2,614	0.66	0.969
24	22	4,590	2,479	0.54	0.887	4,428	2,391	0.54	0.944	4,320	2,333	0.54	0.969	4,140	2,236	0.54	1.010
24	24	4,824	2,026	0.42	0.928	4,644	1,950	0.42	0.979	4,536	1,905	0.42	1.010	4,392	1,845	0.42	1.061
25	20	4,410	3,087	0.70	0.857	4,230	2,961	0.70	0.908	4,104	2,873	0.70	0.928	3,960	2,772	0.70	0.969
25	22	4,590	2,662	0.58	0.887	4,428	2,568	0.58	0.944	4,320	2,506	0.58	0.969	4,140	2,401	0.58	1.010
25	24	4,824	2,219	0.46	0.928	4,644	2,136	0.46	0.979	4,536	2,087	0.46	1.010	4,392	2,020	0.46	1.061
26	18	4,230	3,638	0.86	0.816	4,050	3,483	0.86	0.857	3,888	3,344	0.86	0.898	3,744	3,220	0.86	0.938
26	20	4,410	3,263	0.74	0.857	4,230	3,130	0.74	0.908	4,104	3,037	0.74	0.928	3,960	2,930	0.74	0.969
26	22	4,590	2,846	0.62	0.887	4,428	2,745	0.62	0.944	4,320	2,678	0.62	0.969	4,140	2,567	0.62	1.010
26	24	4,824	2,412	0.50	0.928	4,644	2,322	0.50	0.979	4,536	2,268	0.50	1.010	4,392	2,196	0.50	1.061
26	26	4,968	1,888	0.38	0.979	4,824	1,833	0.38	1.030	4,752	1,806	0.38	1.061	4,608	1,751	0.38	1.091
27	18	4,230	3,807	0.90	0.816	4,050	3,645	0.90	0.857	3,888	3,499	0.90	0.898	3,744	3,370	0.90	0.938
27	20	4,410	3,440	0.78	0.857	4,230	3,299	0.78	0.908	4,104	3,201	0.78	0.928	3,960	3,089	0.78	0.969
27	22	4,590	3,029	0.66	0.887	4,428	2,922	0.66	0.944	4,320	2,851	0.66	0.969	4,140	2,732	0.66	1.010
27	24	4,824	2,605	0.54	0.928	4,644	2,508	0.54	0.979	4,536	2,449	0.54	1.010	4,392	2,372	0.54	1.061
27	26	4,968	2,087	0.42	0.979	4,824	2,026	0.42	1.030	4,752	1,996	0.42	1.061	4,608	1,935	0.42	1.091
28	18	4,230	3,976	0.94	0.816	4,050	3,807	0.94	0.857	3,888	3,655	0.94	0.898	3,744	3,519	0.94	0.938
28	20	4,410	3,616	0.82	0.857	4,230	3,469	0.82	0.908	4,104	3,365	0.82	0.928	3,960	3,247	0.82	0.969
28	22	4,590	3,213	0.70	0.887	4,428	3,100	0.70	0.944	4,320	3,024	0.70	0.969	4,140	2,898	0.70	1.010
28	24	4,824	2,798	0.58	0.928	4,644	2,694	0.58	0.979	4,536	2,631	0.58	1.010	4,392	2,547	0.58	1.061
28	26	4,968	2,285	0.46	0.979	4,824	2,219	0.46	1.030	4,752	2,186	0.46	1.061	4,608	2,120	0.46	1.091
29	18	4,230	4,145	0.98	0.816	4,050	3,969	0.98	0.857	3,888	3,810	0.98	0.898	3,744	3,669	0.98	0.938
29	20	4,410	3,793	0.86	0.857	4,230	3,638	0.86	0.908	4,104	3,529	0.86	0.928	3,960	3,406	0.86	0.969
29	22	4,590	3,397	0.74	0.887	4,428	3,277	0.74	0.944	4,320	3,197	0.74	0.969	4,140	3,064	0.74	1.010
29	24	4,824	2,991	0.62	0.928	4,644	2,879	0.62	0.979	4,536	2,812	0.62	1.010	4,392	2,723	0.62	1.061
29	26	4,968	2,484	0.50	0.979	4,824	2,412	0.50	1.030	4,752	2,376	0.50	1.061	4,608	2,304	0.50	1.091
30	18	4,230	4,315	1.02	0.816	4,050	4,131	1.02	0.857	3,888	3,966	1.02	0.898	3,744	3,819	1.02	0.938
30	20	4,410	3,969	0.90	0.857	4,230	3,807	0.90	0.908	4,104	3,694	0.90	0.928	3,960	3,564	0.90	0.969
30	22	4,590	3,580	0.78	0.887	4,428	3,454	0.78	0.944	4,320	3,370	0.78	0.969	4,140	3,229	0.78	1.010
30	24	4,824	3,184	0.66	0.928	4,644	3,065	0.66	0.979	4,536	2,994	0.66	1.010	4,392	2,899	0.66	1.061
30	26	4,968	2,683	0.54	0.979	4,824	2,605	0.54	1.030	4,752	2,566	0.54	1.061	4,608	2,488	0.54	1.091
31	18	4,230	4,484	1.06	0.816	4,050	4,293	1.06	0.857	3,888	4,121	1.06	0.898	3,744	3,969	1.06	0.938
31	20	4,410	4,145	0.94	0.857	4,230	3,976	0.94	0.908	4,104	3,858	0.94	0.928	3,960	3,722	0.94	0.969
31	22	4,590	3,764	0.82	0.887	4,428	3,631	0.82	0.944	4,320	3,542	0.82	0.969	4,140	3,395	0.82	1.010
31	24	4,824	3,377	0.70	0.928	4,644	3,251	0.70	0.979	4,536	3,175	0.70	1.010	4,392	3,074	0.70	1.061
31	26	4,968	2,881	0.58	0.979	4,824	2,798	0.58	1.030	4,752	2,756	0.58	1.061	4,608	2,673	0.58	1.091
32	18	4,230	4,653	1.10	0.816	4,050	4,455	1.10	0.857	3,888	4,277	1.10	0.898	3,744	4,118	1.10	0.938
32	20	4,410	4,322	0.98	0.857	4,230	4,145	0.98	0.908	4,104	4,022	0.98	0.928	3,960	3,881	0.98	0.969
32	22	4,590	3,947	0.86	0.887	4,428	3,808	0.86	0.944	4,320	3,715	0.86	0.969	4,140	3,560	0.86	1.010
32	24	4,824	3,570	0.74	0.928	4,644	3,437	0.74	0.979	4,536	3,357	0.74	1.010	4,392	3,250	0.74	1.061
32	26	4,968	3,080	0.62	0.979	4,824	2,991	0.62	1.030	4,752	2,946	0.62	1.061	4,608	2,857	0.62	1.091

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M35EA / SUZ-KA35VA6

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3,528	2,328	0.66	1.000	3,240	2,138	0.66	1.061	2,988	1,972	0.66	1.102
21	20	3,708	2,002	0.54	1.040	3,456	1,866	0.54	1.091	3,204	1,730	0.54	1.153
22	18	3,528	2,470	0.70	1.000	3,240	2,268	0.70	1.061	2,988	2,092	0.70	1.102
22	20	3,708	2,151	0.58	1.040	3,456	2,004	0.58	1.091	3,204	1,858	0.58	1.153
22	22	3,924	1,805	0.46	1.081	3,672	1,689	0.46	1.142	3,420	1,573	0.46	1.183
23	18	3,528	2,611	0.74	1.000	3,240	2,398	0.74	1.061	2,988	2,211	0.74	1.102
23	20	3,708	2,299	0.62	1.040	3,456	2,143	0.62	1.091	3,204	1,986	0.62	1.153
23	22	3,924	1,962	0.50	1.081	3,672	1,836	0.50	1.142	3,420	1,710	0.50	1.183
24	18	3,528	2,752	0.78	1.000	3,240	2,527	0.78	1.061	2,988	2,331	0.78	1.102
24	20	3,708	2,447	0.66	1.040	3,456	2,281	0.66	1.091	3,204	2,115	0.66	1.153
24	22	3,924	2,119	0.54	1.081	3,672	1,983	0.54	1.142	3,420	1,847	0.54	1.183
24	24	4,140	1,739	0.42	1.122	3,888	1,633	0.42	1.173	3,672	1,542	0.42	1.224
25	20	3,708	2,596	0.70	1.040	3,456	2,419	0.70	1.091	3,204	2,243	0.70	1.153
25	22	3,924	2,276	0.58	1.081	3,672	2,130	0.58	1.142	3,420	1,984	0.58	1.183
25	24	4,140	1,904	0.46	1.122	3,888	1,788	0.46	1.173	3,672	1,689	0.46	1.224
26	18	3,528	3,034	0.86	1.000	3,240	2,786	0.86	1.061	2,988	2,570	0.86	1.102
26	20	3,708	2,744	0.74	1.040	3,456	2,557	0.74	1.091	3,204	2,371	0.74	1.153
26	22	3,924	2,433	0.62	1.081	3,672	2,277	0.62	1.142	3,420	2,120	0.62	1.183
26	24	4,140	2,070	0.50	1.122	3,888	1,944	0.50	1.173	3,672	1,836	0.50	1.224
26	26	4,356	1,655	0.38	1.163	4,104	1,560	0.38	1.214	3,852	1,464	0.38	1.265
27	18	3,528	3,175	0.90	1.000	3,240	2,916	0.90	1.061	2,988	2,689	0.90	1.102
27	20	3,708	2,892	0.78	1.040	3,456	2,696	0.78	1.091	3,204	2,499	0.78	1.153
27	22	3,924	2,590	0.66	1.081	3,672	2,424	0.66	1.142	3,420	2,257	0.66	1.183
27	24	4,140	2,236	0.54	1.122	3,888	2,100	0.54	1.173	3,672	1,983	0.54	1.224
27	26	4,356	1,830	0.42	1.163	4,104	1,724	0.42	1.214	3,852	1,618	0.42	1.265
28	18	3,528	3,316	0.94	1.000	3,240	3,046	0.94	1.061	2,988	2,809	0.94	1.102
28	20	3,708	3,041	0.82	1.040	3,456	2,834	0.82	1.091	3,204	2,627	0.82	1.153
28	22	3,924	2,747	0.70	1.081	3,672	2,570	0.70	1.142	3,420	2,394	0.70	1.183
28	24	4,140	2,401	0.58	1.122	3,888	2,255	0.58	1.173	3,672	2,130	0.58	1.224
28	26	4,356	2,004	0.46	1.163	4,104	1,888	0.46	1.214	3,852	1,772	0.46	1.265
29	18	3,528	3,457	0.98	1.000	3,240	3,175	0.98	1.061	2,988	2,928	0.98	1.102
29	20	3,708	3,189	0.86	1.040	3,456	2,972	0.86	1.091	3,204	2,755	0.86	1.153
29	22	3,924	2,904	0.74	1.081	3,672	2,717	0.74	1.142	3,420	2,531	0.74	1.183
29	24	4,140	2,567	0.62	1.122	3,888	2,411	0.62	1.173	3,672	2,277	0.62	1.224
29	26	4,356	2,178	0.50	1.163	4,104	2,052	0.50	1.214	3,852	1,926	0.50	1.265
30	18	3,528	3,599	1.02	1.000	3,240	3,305	1.02	1.061	2,988	3,048	1.02	1.102
30	20	3,708	3,337	0.90	1.040	3,456	3,110	0.90	1.091	3,204	2,884	0.90	1.153
30	22	3,924	3,061	0.78	1.081	3,672	2,864	0.78	1.142	3,420	2,668	0.78	1.183
30	24	4,140	2,732	0.66	1.122	3,888	2,566	0.66	1.173	3,672	2,424	0.66	1.224
30	26	4,356	2,352	0.54	1.163	4,104	2,216	0.54	1.214	3,852	2,080	0.54	1.265
31	18	3,528	3,740	1.06	1.000	3,240	3,434	1.06	1.061	2,988	3,167	1.06	1.102
31	20	3,708	3,486	0.94	1.040	3,456	3,249	0.94	1.091	3,204	3,012	0.94	1.153
31	22	3,924	3,218	0.82	1.081	3,672	3,011	0.82	1.142	3,420	2,804	0.82	1.183
31	24	4,140	2,898	0.70	1.122	3,888	2,722	0.70	1.173	3,672	2,570	0.70	1.224
31	26	4,356	2,526	0.58	1.163	4,104	2,380	0.58	1.214	3,852	2,234	0.58	1.265
32	18	3,528	3,881	1.10	1.000	3,240	3,564	1.10	1.061	2,988	3,287	1.10	1.102
32	20	3,708	3,634	0.98	1.040	3,456	3,387	0.98	1.091	3,204	3,140	0.98	1.153
32	22	3,924	3,375	0.86	1.081	3,672	3,158	0.86	1.142	3,420	2,941	0.86	1.183
32	24	4,140	3,064	0.74	1.122	3,888	2,877	0.74	1.173	3,672	2,717	0.74	1.224
32	26	4,356	2,701	0.62	1.163	4,104	2,544	0.62	1.214	3,852	2,388	0.62	1.265

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M50EA / SUZ-KA50VA6

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,463	4,071	0.63	1.288	6,188	3,898	0.63	1.352	5,940	3,742	0.63	1.417	5,720	3,604	0.63	1.481
21	20	6,738	3,436	0.51	1.352	6,463	3,296	0.51	1.433	6,270	3,198	0.51	1.465	6,050	3,086	0.51	1.530
22	18	6,463	4,330	0.67	1.288	6,188	4,146	0.67	1.352	5,940	3,980	0.67	1.417	5,720	3,832	0.67	1.481
22	20	6,738	3,706	0.55	1.352	6,463	3,554	0.55	1.433	6,270	3,449	0.55	1.465	6,050	3,328	0.55	1.530
22	22	7,013	3,015	0.43	1.401	6,765	2,909	0.43	1.489	6,600	2,838	0.43	1.530	6,325	2,720	0.43	1.594
23	18	6,463	4,588	0.71	1.288	6,188	4,393	0.71	1.352	5,940	4,217	0.71	1.417	5,720	4,061	0.71	1.481
23	20	6,738	3,975	0.59	1.352	6,463	3,813	0.59	1.433	6,270	3,699	0.59	1.465	6,050	3,570	0.59	1.530
23	22	7,013	3,296	0.47	1.401	6,765	3,180	0.47	1.489	6,600	3,102	0.47	1.530	6,325	2,973	0.47	1.594
24	18	6,463	4,847	0.75	1.288	6,188	4,641	0.75	1.352	5,940	4,455	0.75	1.417	5,720	4,290	0.75	1.481
24	20	6,738	4,245	0.63	1.352	6,463	4,071	0.63	1.433	6,270	3,950	0.63	1.465	6,050	3,812	0.63	1.530
24	22	7,013	3,576	0.51	1.401	6,765	3,450	0.51	1.489	6,600	3,366	0.51	1.530	6,325	3,226	0.51	1.594
24	24	7,370	2,874	0.39	1.465	7,095	2,767	0.39	1.546	6,930	2,703	0.39	1.594	6,710	2,617	0.39	1.674
25	20	6,738	4,514	0.67	1.352	6,463	4,330	0.67	1.433	6,270	4,201	0.67	1.465	6,050	4,054	0.67	1.530
25	22	7,013	3,857	0.55	1.401	6,765	3,721	0.55	1.489	6,600	3,630	0.55	1.530	6,325	3,479	0.55	1.594
25	24	7,370	3,169	0.43	1.465	7,095	3,051	0.43	1.546	6,930	2,980	0.43	1.594	6,710	2,885	0.43	1.674
26	18	6,463	5,364	0.83	1.288	6,188	5,136	0.83	1.352	5,940	4,930	0.83	1.417	5,720	4,748	0.83	1.481
26	20	6,738	4,784	0.71	1.352	6,463	4,588	0.71	1.433	6,270	4,452	0.71	1.465	6,050	4,296	0.71	1.530
26	22	7,013	4,137	0.59	1.401	6,765	3,991	0.59	1.489	6,600	3,894	0.59	1.530	6,325	3,732	0.59	1.594
26	24	7,370	3,464	0.47	1.465	7,095	3,335	0.47	1.546	6,930	3,257	0.47	1.594	6,710	3,154	0.47	1.674
26	26	7,590	2,657	0.35	1.546	7,370	2,580	0.35	1.626	7,260	2,541	0.35	1.674	7,040	2,464	0.35	1.723
27	18	6,463	5,622	0.87	1.288	6,188	5,383	0.87	1.352	5,940	5,168	0.87	1.417	5,720	4,976	0.87	1.481
27	20	6,738	5,053	0.75	1.352	6,463	4,847	0.75	1.433	6,270	4,703	0.75	1.465	6,050	4,538	0.75	1.530
27	22	7,013	4,418	0.63	1.401	6,765	4,262	0.63	1.489	6,600	4,158	0.63	1.530	6,325	3,985	0.63	1.594
27	24	7,370	3,759	0.51	1.465	7,095	3,618	0.51	1.546	6,930	3,534	0.51	1.594	6,710	3,422	0.51	1.674
27	26	7,590	2,960	0.39	1.546	7,370	2,874	0.39	1.626	7,260	2,831	0.39	1.674	7,040	2,746	0.39	1.723
28	18	6,463	5,881	0.91	1.288	6,188	5,631	0.91	1.352	5,940	5,405	0.91	1.417	5,720	5,205	0.91	1.481
28	20	6,738	5,323	0.79	1.352	6,463	5,105	0.79	1.433	6,270	4,953	0.79	1.465	6,050	4,780	0.79	1.530
28	22	7,013	4,698	0.67	1.401	6,765	4,533	0.67	1.489	6,600	4,422	0.67	1.530	6,325	4,238	0.67	1.594
28	24	7,370	4,054	0.55	1.465	7,095	3,902	0.55	1.546	6,930	3,812	0.55	1.594	6,710	3,691	0.55	1.674
28	26	7,590	3,264	0.43	1.546	7,370	3,169	0.43	1.626	7,260	3,122	0.43	1.674	7,040	3,027	0.43	1.723
29	18	6,463	6,139	0.95	1.288	6,188	5,878	0.95	1.352	5,940	5,643	0.95	1.417	5,720	5,434	0.95	1.481
29	20	6,738	5,592	0.83	1.352	6,463	5,364	0.83	1.433	6,270	5,204	0.83	1.465	6,050	5,022	0.83	1.530
29	22	7,013	4,979	0.71	1.401	6,765	4,803	0.71	1.489	6,600	4,686	0.71	1.530	6,325	4,491	0.71	1.594
29	24	7,370	4,348	0.59	1.465	7,095	4,186	0.59	1.546	6,930	4,089	0.59	1.594	6,710	3,959	0.59	1.674
29	26	7,590	3,567	0.47	1.546	7,370	3,464	0.47	1.626	7,260	3,412	0.47	1.674	7,040	3,309	0.47	1.723
30	18	6,463	6,398	0.99	1.288	6,188	6,126	0.99	1.352	5,940	5,881	0.99	1.417	5,720	5,663	0.99	1.481
30	20	6,738	5,862	0.87	1.352	6,463	5,622	0.87	1.433	6,270	5,455	0.87	1.465	6,050	5,264	0.87	1.530
30	22	7,013	5,259	0.75	1.401	6,765	5,074	0.75	1.489	6,600	4,950	0.75	1.530	6,325	4,744	0.75	1.594
30	24	7,370	4,643	0.63	1.465	7,095	4,470	0.63	1.546	6,930	4,366	0.63	1.594	6,710	4,227	0.63	1.674
30	26	7,590	3,871	0.51	1.546	7,370	3,759	0.51	1.626	7,260	3,703	0.51	1.674	7,040	3,590	0.51	1.723
31	18	6,463	6,656	1.03	1.288	6,188	6,373	1.03	1.352	5,940	6,118	1.03	1.417	5,720	5,892	1.03	1.481
31	20	6,738	6,131	0.91	1.352	6,463	5,881	0.91	1.433	6,270	5,706	0.91	1.465	6,050	5,506	0.91	1.530
31	22	7,013	5,540	0.79	1.401	6,765	5,344	0.79	1.489	6,600	5,214	0.79	1.530	6,325	4,997	0.79	1.594
31	24	7,370	4,938	0.67	1.465	7,095	4,754	0.67	1.546	6,930	4,643	0.67	1.594	6,710	4,496	0.67	1.674
31	26	7,590	4,175	0.55	1.546	7,370	4,054	0.55	1.626	7,260	3,993	0.55	1.674	7,040	3,872	0.55	1.723
32	18	6,463	6,915	1.07	1.288	6,188	6,621	1.07	1.352	5,940	6,356	1.07	1.417	5,720	6,120	1.07	1.481
32	20	6,738	6,401	0.95	1.352	6,463	6,139	0.95	1.433	6,270	5,957	0.95	1.465	6,050	5,748	0.95	1.530
32	22	7,013	5,820	0.83	1.401	6,765	5,615	0.83	1.489	6,600	5,478	0.83	1.530	6,325	5,250	0.83	1.594
32	24	7,370	5,233	0.71	1.465	7,095	5,037	0.71	1.546	6,930	4,920	0.71	1.594	6,710	4,764	0.71	1.674
32	26	7,590	4,478	0.59	1.546	7,370	4,348	0.59	1.626	7,260	4,283	0.59	1.674	7,040	4,154	0.59	1.723

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M50EA / SUZ-KA50VA6

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5,390	3,396	0.63	1.578	4,950	3,119	0.63	1.674	4,565	2,876	0.63	1.739
21	20	5,665	2,889	0.51	1.642	5,280	2,693	0.51	1.723	4,895	2,496	0.51	1.819
22	18	5,390	3,611	0.67	1.578	4,950	3,317	0.67	1.674	4,565	3,059	0.67	1.739
22	20	5,665	3,116	0.55	1.642	5,280	2,904	0.55	1.723	4,895	2,692	0.55	1.819
22	22	5,995	2,578	0.43	1.707	5,610	2,412	0.43	1.803	5,225	2,247	0.43	1.868
23	18	5,390	3,827	0.71	1.578	4,950	3,515	0.71	1.674	4,565	3,241	0.71	1.739
23	20	5,665	3,342	0.59	1.642	5,280	3,115	0.59	1.723	4,895	2,888	0.59	1.819
23	22	5,995	2,818	0.47	1.707	5,610	2,637	0.47	1.803	5,225	2,456	0.47	1.868
24	18	5,390	4,043	0.75	1.578	4,950	3,713	0.75	1.674	4,565	3,424	0.75	1.739
24	20	5,665	3,569	0.63	1.642	5,280	3,326	0.63	1.723	4,895	3,084	0.63	1.819
24	22	5,995	3,057	0.51	1.707	5,610	2,861	0.51	1.803	5,225	2,665	0.51	1.868
24	24	6,325	2,467	0.39	1.771	5,940	2,317	0.39	1.852	5,610	2,188	0.39	1.932
25	20	5,665	3,796	0.67	1.642	5,280	3,538	0.67	1.723	4,895	3,280	0.67	1.819
25	22	5,995	3,297	0.55	1.707	5,610	3,086	0.55	1.803	5,225	2,874	0.55	1.868
25	24	6,325	2,720	0.43	1.771	5,940	2,554	0.43	1.852	5,610	2,412	0.43	1.932
26	18	5,390	4,474	0.83	1.578	4,950	4,109	0.83	1.674	4,565	3,789	0.83	1.739
26	20	5,665	4,022	0.71	1.642	5,280	3,749	0.71	1.723	4,895	3,475	0.71	1.819
26	22	5,995	3,537	0.59	1.707	5,610	3,310	0.59	1.803	5,225	3,083	0.59	1.868
26	24	6,325	2,973	0.47	1.771	5,940	2,792	0.47	1.852	5,610	2,637	0.47	1.932
26	26	6,655	2,329	0.35	1.835	6,270	2,195	0.35	1.916	5,885	2,060	0.35	1.996
27	18	5,390	4,689	0.87	1.578	4,950	4,307	0.87	1.674	4,565	3,972	0.87	1.739
27	20	5,665	4,249	0.75	1.642	5,280	3,960	0.75	1.723	4,895	3,671	0.75	1.819
27	22	5,995	3,777	0.63	1.707	5,610	3,534	0.63	1.803	5,225	3,292	0.63	1.868
27	24	6,325	3,226	0.51	1.771	5,940	3,029	0.51	1.852	5,610	2,861	0.51	1.932
27	26	6,655	2,595	0.39	1.835	6,270	2,445	0.39	1.916	5,885	2,295	0.39	1.996
28	18	5,390	4,905	0.91	1.578	4,950	4,505	0.91	1.674	4,565	4,154	0.91	1.739
28	20	5,665	4,475	0.79	1.642	5,280	4,171	0.79	1.723	4,895	3,867	0.79	1.819
28	22	5,995	4,017	0.67	1.707	5,610	3,759	0.67	1.803	5,225	3,501	0.67	1.868
28	24	6,325	3,479	0.55	1.771	5,940	3,267	0.55	1.852	5,610	3,086	0.55	1.932
28	26	6,655	2,862	0.43	1.835	6,270	2,696	0.43	1.916	5,885	2,531	0.43	1.996
29	18	5,390	5,121	0.95	1.578	4,950	4,703	0.95	1.674	4,565	4,337	0.95	1.739
29	20	5,665	4,702	0.83	1.642	5,280	4,382	0.83	1.723	4,895	4,063	0.83	1.819
29	22	5,995	4,256	0.71	1.707	5,610	3,983	0.71	1.803	5,225	3,710	0.71	1.868
29	24	6,325	3,732	0.59	1.771	5,940	3,505	0.59	1.852	5,610	3,310	0.59	1.932
29	26	6,655	3,128	0.47	1.835	6,270	2,947	0.47	1.916	5,885	2,766	0.47	1.996
30	18	5,390	5,336	0.99	1.578	4,950	4,901	0.99	1.674	4,565	4,519	0.99	1.739
30	20	5,665	4,929	0.87	1.642	5,280	4,594	0.87	1.723	4,895	4,259	0.87	1.819
30	22	5,995	4,496	0.75	1.707	5,610	4,208	0.75	1.803	5,225	3,919	0.75	1.868
30	24	6,325	3,985	0.63	1.771	5,940	3,742	0.63	1.852	5,610	3,534	0.63	1.932
30	26	6,655	3,394	0.51	1.835	6,270	3,198	0.51	1.916	5,885	3,001	0.51	1.996
31	18	5,390	5,552	1.03	1.578	4,950	5,099	1.03	1.674	4,565	4,702	1.03	1.739
31	20	5,665	5,155	0.91	1.642	5,280	4,805	0.91	1.723	4,895	4,454	0.91	1.819
31	22	5,995	4,736	0.79	1.707	5,610	4,432	0.79	1.803	5,225	4,128	0.79	1.868
31	24	6,325	4,238	0.67	1.771	5,940	3,980	0.67	1.852	5,610	3,759	0.67	1.932
31	26	6,655	3,660	0.55	1.835	6,270	3,449	0.55	1.916	5,885	3,237	0.55	1.996
32	18	5,390	5,767	1.07	1.578	4,950	5,297	1.07	1.674	4,565	4,885	1.07	1.739
32	20	5,665	5,382	0.95	1.642	5,280	5,016	0.95	1.723	4,895	4,650	0.95	1.819
32	22	5,995	4,976	0.83	1.707	5,610	4,656	0.83	1.803	5,225	4,337	0.83	1.868
32	24	6,325	4,491	0.71	1.771	5,940	4,217	0.71	1.852	5,610	3,983	0.71	1.932
32	26	6,655	3,926	0.59	1.835	6,270	3,699	0.59	1.916	5,885	3,472	0.59	1.996

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M60EA / SUZ-KA60VA6

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,698	3,885	0.58	1.408	6,413	3,719	0.58	1.478	6,156	3,570	0.58	1.549	5,928	3,438	0.58	1.619
21	20	6,983	3,212	0.46	1.478	6,698	3,081	0.46	1.566	6,498	2,989	0.46	1.602	6,270	2,884	0.46	1.672
22	18	6,698	4,152	0.62	1.408	6,413	3,976	0.62	1.478	6,156	3,817	0.62	1.549	5,928	3,675	0.62	1.619
22	20	6,983	3,491	0.50	1.478	6,698	3,349	0.50	1.566	6,498	3,249	0.50	1.602	6,270	3,135	0.50	1.672
22	22	7,268	2,762	0.38	1.531	7,011	2,664	0.38	1.628	6,840	2,599	0.38	1.672	6,555	2,491	0.38	1.742
23	18	6,698	4,420	0.66	1.408	6,413	4,232	0.66	1.478	6,156	4,063	0.66	1.549	5,928	3,912	0.66	1.619
23	20	6,983	3,771	0.54	1.478	6,698	3,617	0.54	1.566	6,498	3,509	0.54	1.602	6,270	3,386	0.54	1.672
23	22	7,268	3,052	0.42	1.531	7,011	2,945	0.42	1.628	6,840	2,873	0.42	1.672	6,555	2,753	0.42	1.742
24	18	6,698	4,688	0.70	1.408	6,413	4,489	0.70	1.478	6,156	4,309	0.70	1.549	5,928	4,150	0.70	1.619
24	20	6,983	4,050	0.58	1.478	6,698	3,885	0.58	1.566	6,498	3,769	0.58	1.602	6,270	3,637	0.58	1.672
24	22	7,268	3,343	0.46	1.531	7,011	3,225	0.46	1.628	6,840	3,146	0.46	1.672	6,555	3,015	0.46	1.742
24	24	7,638	2,597	0.34	1.602	7,353	2,500	0.34	1.690	7,182	2,442	0.34	1.742	6,954	2,364	0.34	1.830
25	20	6,983	4,329	0.62	1.478	6,698	4,152	0.62	1.566	6,498	4,029	0.62	1.602	6,270	3,887	0.62	1.672
25	22	7,268	3,634	0.50	1.531	7,011	3,506	0.50	1.628	6,840	3,420	0.50	1.672	6,555	3,278	0.50	1.742
25	24	7,638	2,902	0.38	1.602	7,353	2,794	0.38	1.690	7,182	2,729	0.38	1.742	6,954	2,643	0.38	1.830
26	18	6,698	5,224	0.78	1.408	6,413	5,002	0.78	1.478	6,156	4,802	0.78	1.549	5,928	4,624	0.78	1.619
26	20	6,983	4,608	0.66	1.478	6,698	4,420	0.66	1.566	6,498	4,289	0.66	1.602	6,270	4,138	0.66	1.672
26	22	7,268	3,924	0.54	1.531	7,011	3,786	0.54	1.628	6,840	3,694	0.54	1.672	6,555	3,540	0.54	1.742
26	24	7,638	3,208	0.42	1.602	7,353	3,088	0.42	1.690	7,182	3,016	0.42	1.742	6,954	2,921	0.42	1.830
26	26	7,866	2,360	0.30	1.690	7,638	2,291	0.30	1.778	7,524	2,257	0.30	1.830	7,296	2,189	0.30	1.883
27	18	6,698	5,492	0.82	1.408	6,413	5,258	0.82	1.478	6,156	5,048	0.82	1.549	5,928	4,861	0.82	1.619
27	20	6,983	4,888	0.70	1.478	6,698	4,688	0.70	1.566	6,498	4,549	0.70	1.602	6,270	4,389	0.70	1.672
27	22	7,268	4,215	0.58	1.531	7,011	4,066	0.58	1.628	6,840	3,967	0.58	1.672	6,555	3,802	0.58	1.742
27	24	7,638	3,513	0.46	1.602	7,353	3,382	0.46	1.690	7,182	3,304	0.46	1.742	6,954	3,199	0.46	1.830
27	26	7,866	2,674	0.34	1.690	7,638	2,597	0.34	1.778	7,524	2,558	0.34	1.830	7,296	2,481	0.34	1.883
28	18	6,698	5,760	0.86	1.408	6,413	5,515	0.86	1.478	6,156	5,294	0.86	1.549	5,928	5,098	0.86	1.619
28	20	6,983	5,167	0.74	1.478	6,698	4,956	0.74	1.566	6,498	4,809	0.74	1.602	6,270	4,640	0.74	1.672
28	22	7,268	4,506	0.62	1.531	7,011	4,347	0.62	1.628	6,840	4,241	0.62	1.672	6,555	4,064	0.62	1.742
28	24	7,638	3,819	0.50	1.602	7,353	3,677	0.50	1.690	7,182	3,591	0.50	1.742	6,954	3,477	0.50	1.830
28	26	7,866	2,989	0.38	1.690	7,638	2,902	0.38	1.778	7,524	2,859	0.38	1.830	7,296	2,772	0.38	1.883
29	18	6,698	6,028	0.90	1.408	6,413	5,771	0.90	1.478	6,156	5,540	0.90	1.549	5,928	5,335	0.90	1.619
29	20	6,983	5,446	0.78	1.478	6,698	5,224	0.78	1.566	6,498	5,068	0.78	1.602	6,270	4,891	0.78	1.672
29	22	7,268	4,797	0.66	1.531	7,011	4,627	0.66	1.628	6,840	4,514	0.66	1.672	6,555	4,326	0.66	1.742
29	24	7,638	4,125	0.54	1.602	7,353	3,971	0.54	1.690	7,182	3,878	0.54	1.742	6,954	3,755	0.54	1.830
29	26	7,866	3,304	0.42	1.690	7,638	3,208	0.42	1.778	7,524	3,160	0.42	1.830	7,296	3,064	0.42	1.883
30	18	6,698	6,296	0.94	1.408	6,413	6,028	0.94	1.478	6,156	5,787	0.94	1.549	5,928	5,572	0.94	1.619
30	20	6,983	5,726	0.82	1.478	6,698	5,492	0.82	1.566	6,498	5,328	0.82	1.602	6,270	5,141	0.82	1.672
30	22	7,268	5,087	0.70	1.531	7,011	4,908	0.70	1.628	6,840	4,788	0.70	1.672	6,555	4,589	0.70	1.742
30	24	7,638	4,430	0.58	1.602	7,353	4,265	0.58	1.690	7,182	4,166	0.58	1.742	6,954	4,033	0.58	1.830
30	26	7,866	3,618	0.46	1.690	7,638	3,513	0.46	1.778	7,524	3,461	0.46	1.830	7,296	3,356	0.46	1.883
31	18	6,698	6,564	0.98	1.408	6,413	6,284	0.98	1.478	6,156	6,033	0.98	1.549	5,928	5,809	0.98	1.619
31	20	6,983	6,005	0.86	1.478	6,698	5,760	0.86	1.566	6,498	5,588	0.86	1.602	6,270	5,392	0.86	1.672
31	22	7,268	5,378	0.74	1.531	7,011	5,188	0.74	1.628	6,840	5,062	0.74	1.672	6,555	4,851	0.74	1.742
31	24	7,638	4,736	0.62	1.602	7,353	4,559	0.62	1.690	7,182	4,453	0.62	1.742	6,954	4,311	0.62	1.830
31	26	7,866	3,933	0.50	1.690	7,638	3,819	0.50	1.778	7,524	3,762	0.50	1.830	7,296	3,648	0.50	1.883
32	18	6,698	6,831	1.02	1.408	6,413	6,541	1.02	1.478	6,156	6,279	1.02	1.549	5,928	6,047	1.02	1.619
32	20	6,983	6,284	0.90	1.478	6,698	6,028	0.90	1.566	6,498	5,848	0.90	1.602	6,270	5,643	0.90	1.672
32	22	7,268	5,669	0.78	1.531	7,011	5,469	0.78	1.628	6,840	5,335	0.78	1.672	6,555	5,113	0.78	1.742
32	24	7,638	5,041	0.66	1.602	7,353	4,853	0.66	1.690	7,182	4,740	0.66	1.742	6,954	4,590	0.66	1.830
32	26	7,866	4,248	0.54	1.690	7,638	4,125	0.54	1.778	7,524	4,063	0.54	1.830	7,296	3,940	0.54	1.883

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M60EA / SUZ-KA60VA6

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5,586	3,240	0.58	1.725	5,130	2,975	0.58	1.830	4,731	2,744	0.58	1.901
21	20	5,871	2,701	0.46	1.795	5,472	2,517	0.46	1.883	5,073	2,334	0.46	1.989
22	18	5,586	3,463	0.62	1.725	5,130	3,181	0.62	1.830	4,731	2,933	0.62	1.901
22	20	5,871	2,936	0.50	1.795	5,472	2,736	0.50	1.883	5,073	2,537	0.50	1.989
22	22	6,213	2,361	0.38	1.866	5,814	2,209	0.38	1.971	5,415	2,058	0.38	2.042
23	18	5,586	3,687	0.66	1.725	5,130	3,386	0.66	1.830	4,731	3,122	0.66	1.901
23	20	5,871	3,170	0.54	1.795	5,472	2,955	0.54	1.883	5,073	2,739	0.54	1.989
23	22	6,213	2,609	0.42	1.866	5,814	2,442	0.42	1.971	5,415	2,274	0.42	2.042
24	18	5,586	3,910	0.70	1.725	5,130	3,591	0.70	1.830	4,731	3,312	0.70	1.901
24	20	5,871	3,405	0.58	1.795	5,472	3,174	0.58	1.883	5,073	2,942	0.58	1.989
24	22	6,213	2,858	0.46	1.866	5,814	2,674	0.46	1.971	5,415	2,491	0.46	2.042
24	24	6,555	2,229	0.34	1.936	6,156	2,093	0.34	2.024	5,814	1,977	0.34	2.112
25	20	5,871	3,640	0.62	1.795	5,472	3,393	0.62	1.883	5,073	3,145	0.62	1.989
25	22	6,213	3,107	0.50	1.866	5,814	2,907	0.50	1.971	5,415	2,708	0.50	2.042
25	24	6,555	2,491	0.38	1.936	6,156	2,339	0.38	2.024	5,814	2,209	0.38	2.112
26	18	5,586	4,357	0.78	1.725	5,130	4,001	0.78	1.830	4,731	3,690	0.78	1.901
26	20	5,871	3,875	0.66	1.795	5,472	3,612	0.66	1.883	5,073	3,348	0.66	1.989
26	22	6,213	3,355	0.54	1.866	5,814	3,140	0.54	1.971	5,415	2,924	0.54	2.042
26	24	6,555	2,753	0.42	1.936	6,156	2,586	0.42	2.024	5,814	2,442	0.42	2.112
26	26	6,897	2,069	0.30	2.006	6,498	1,949	0.30	2.094	6,099	1,830	0.30	2.182
27	18	5,586	4,581	0.82	1.725	5,130	4,207	0.82	1.830	4,731	3,879	0.82	1.901
27	20	5,871	4,110	0.70	1.795	5,472	3,830	0.70	1.883	5,073	3,551	0.70	1.989
27	22	6,213	3,604	0.58	1.866	5,814	3,372	0.58	1.971	5,415	3,141	0.58	2.042
27	24	6,555	3,015	0.46	1.936	6,156	2,832	0.46	2.024	5,814	2,674	0.46	2.112
27	26	6,897	2,345	0.34	2.006	6,498	2,209	0.34	2.094	6,099	2,074	0.34	2.182
28	18	5,586	4,804	0.86	1.725	5,130	4,412	0.86	1.830	4,731	4,069	0.86	1.901
28	20	5,871	4,345	0.74	1.795	5,472	4,049	0.74	1.883	5,073	3,754	0.74	1.989
28	22	6,213	3,852	0.62	1.866	5,814	3,605	0.62	1.971	5,415	3,357	0.62	2.042
28	24	6,555	3,278	0.50	1.936	6,156	3,078	0.50	2.024	5,814	2,907	0.50	2.112
28	26	6,897	2,621	0.38	2.006	6,498	2,469	0.38	2.094	6,099	2,318	0.38	2.182
29	18	5,586	5,027	0.90	1.725	5,130	4,617	0.90	1.830	4,731	4,258	0.90	1.901
29	20	5,871	4,579	0.78	1.795	5,472	4,268	0.78	1.883	5,073	3,957	0.78	1.989
29	22	6,213	4,101	0.66	1.866	5,814	3,837	0.66	1.971	5,415	3,574	0.66	2.042
29	24	6,555	3,540	0.54	1.936	6,156	3,324	0.54	2.024	5,814	3,140	0.54	2.112
29	26	6,897	2,897	0.42	2.006	6,498	2,729	0.42	2.094	6,099	2,562	0.42	2.182
30	18	5,586	5,251	0.94	1.725	5,130	4,822	0.94	1.830	4,731	4,447	0.94	1.901
30	20	5,871	4,814	0.82	1.795	5,472	4,487	0.82	1.883	5,073	4,160	0.82	1.989
30	22	6,213	4,349	0.70	1.866	5,814	4,070	0.70	1.971	5,415	3,791	0.70	2.042
30	24	6,555	3,802	0.58	1.936	6,156	3,570	0.58	2.024	5,814	3,372	0.58	2.112
30	26	6,897	3,173	0.46	2.006	6,498	2,989	0.46	2.094	6,099	2,806	0.46	2.182
31	18	5,586	5,474	0.98	1.725	5,130	5,027	0.98	1.830	4,731	4,636	0.98	1.901
31	20	5,871	5,049	0.86	1.795	5,472	4,706	0.86	1.883	5,073	4,363	0.86	1.989
31	22	6,213	4,598	0.74	1.866	5,814	4,302	0.74	1.971	5,415	4,007	0.74	2.042
31	24	6,555	4,064	0.62	1.936	6,156	3,817	0.62	2.024	5,814	3,605	0.62	2.112
31	26	6,897	3,449	0.50	2.006	6,498	3,249	0.50	2.094	6,099	3,050	0.50	2.182
32	18	5,586	5,698	1.02	1.725	5,130	5,233	1.02	1.830	4,731	4,826	1.02	1.901
32	20	5,871	5,284	0.90	1.795	5,472	4,925	0.90	1.883	5,073	4,566	0.90	1.989
32	22	6,213	4,846	0.78	1.866	5,814	4,535	0.78	1.971	5,415	4,224	0.78	2.042
32	24	6,555	4,326	0.66	1.936	6,156	4,063	0.66	2.024	5,814	3,837	0.66	2.112
32	26	6,897	3,724	0.54	2.006	6,498	3,509	0.54	2.094	6,099	3,293	0.54	2.182

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M71EA / SUZ-KA71VA6

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8,343	4,588	0.55	1.680	7,988	4,393	0.55	1.764	7,668	4,217	0.55	1.848	7,384	4,061	0.55	1.932
21	20	8,698	3,740	0.43	1.764	8,343	3,587	0.43	1.869	8,094	3,480	0.43	1.911	7,810	3,358	0.43	1.995
22	18	8,343	4,922	0.59	1.680	7,988	4,713	0.59	1.764	7,668	4,524	0.59	1.848	7,384	4,357	0.59	1.932
22	20	8,698	4,088	0.47	1.764	8,343	3,921	0.47	1.869	8,094	3,804	0.47	1.911	7,810	3,671	0.47	1.995
22	22	9,053	3,168	0.35	1.827	8,733	3,057	0.35	1.943	8,520	2,982	0.35	1.995	8,165	2,858	0.35	2.079
23	18	8,343	5,256	0.63	1.680	7,988	5,032	0.63	1.764	7,668	4,831	0.63	1.848	7,384	4,652	0.63	1.932
23	20	8,698	4,436	0.51	1.764	8,343	4,255	0.51	1.869	8,094	4,128	0.51	1.911	7,810	3,983	0.51	1.995
23	22	9,053	3,530	0.39	1.827	8,733	3,406	0.39	1.943	8,520	3,323	0.39	1.995	8,165	3,184	0.39	2.079
24	18	8,343	5,589	0.67	1.680	7,988	5,352	0.67	1.764	7,668	5,138	0.67	1.848	7,384	4,947	0.67	1.932
24	20	8,698	4,784	0.55	1.764	8,343	4,588	0.55	1.869	8,094	4,452	0.55	1.911	7,810	4,296	0.55	1.995
24	22	9,053	3,893	0.43	1.827	8,733	3,755	0.43	1.943	8,520	3,664	0.43	1.995	8,165	3,511	0.43	2.079
24	24	9,514	2,949	0.31	1.911	9,159	2,839	0.31	2.016	8,946	2,773	0.31	2.079	8,662	2,685	0.31	2.184
25	20	8,698	5,132	0.59	1.764	8,343	4,922	0.59	1.869	8,094	4,775	0.59	1.911	7,810	4,608	0.59	1.995
25	22	9,053	4,255	0.47	1.827	8,733	4,105	0.47	1.943	8,520	4,004	0.47	1.995	8,165	3,838	0.47	2.079
25	24	9,514	3,330	0.35	1.911	9,159	3,206	0.35	2.016	8,946	3,131	0.35	2.079	8,662	3,032	0.35	2.184
26	18	8,343	6,257	0.75	1.680	7,988	5,991	0.75	1.764	7,668	5,751	0.75	1.848	7,384	5,538	0.75	1.932
26	20	8,698	5,479	0.63	1.764	8,343	5,256	0.63	1.869	8,094	5,099	0.63	1.911	7,810	4,920	0.63	1.995
26	22	9,053	4,617	0.51	1.827	8,733	4,454	0.51	1.943	8,520	4,345	0.51	1.995	8,165	4,164	0.51	2.079
26	24	9,514	3,710	0.39	1.911	9,159	3,572	0.39	2.016	8,946	3,489	0.39	2.079	8,662	3,378	0.39	2.184
26	26	9,798	2,645	0.27	2.016	9,514	2,569	0.27	2.121	9,372	2,530	0.27	2.184	9,088	2,454	0.27	2.247
27	18	8,343	6,591	0.79	1.680	7,988	6,310	0.79	1.764	7,668	6,058	0.79	1.848	7,384	5,833	0.79	1.932
27	20	8,698	5,827	0.67	1.764	8,343	5,589	0.67	1.869	8,094	5,423	0.67	1.911	7,810	5,233	0.67	1.995
27	22	9,053	4,979	0.55	1.827	8,733	4,803	0.55	1.943	8,520	4,686	0.55	1.995	8,165	4,491	0.55	2.079
27	24	9,514	4,091	0.43	1.911	9,159	3,938	0.43	2.016	8,946	3,847	0.43	2.079	8,662	3,725	0.43	2.184
27	26	9,798	3,037	0.31	2.016	9,514	2,949	0.31	2.121	9,372	2,905	0.31	2.184	9,088	2,817	0.31	2.247
28	18	8,343	6,924	0.83	1.680	7,988	6,630	0.83	1.764	7,668	6,364	0.83	1.848	7,384	6,129	0.83	1.932
28	20	8,698	6,175	0.71	1.764	8,343	5,923	0.71	1.869	8,094	5,747	0.71	1.911	7,810	5,545	0.71	1.995
28	22	9,053	5,341	0.59	1.827	8,733	5,152	0.59	1.943	8,520	5,027	0.59	1.995	8,165	4,817	0.59	2.079
28	24	9,514	4,472	0.47	1.911	9,159	4,305	0.47	2.016	8,946	4,205	0.47	2.079	8,662	4,071	0.47	2.184
28	26	9,798	3,429	0.35	2.016	9,514	3,330	0.35	2.121	9,372	3,280	0.35	2.184	9,088	3,181	0.35	2.247
29	18	8,343	7,258	0.87	1.680	7,988	6,949	0.87	1.764	7,668	6,671	0.87	1.848	7,384	6,424	0.87	1.932
29	20	8,698	6,523	0.75	1.764	8,343	6,257	0.75	1.869	8,094	6,071	0.75	1.911	7,810	5,858	0.75	1.995
29	22	9,053	5,703	0.63	1.827	8,733	5,502	0.63	1.943	8,520	5,368	0.63	1.995	8,165	5,144	0.63	2.079
29	24	9,514	4,852	0.51	1.911	9,159	4,671	0.51	2.016	8,946	4,562	0.51	2.079	8,662	4,418	0.51	2.184
29	26	9,798	3,821	0.39	2.016	9,514	3,710	0.39	2.121	9,372	3,655	0.39	2.184	9,088	3,544	0.39	2.247
30	18	8,343	7,592	0.91	1.680	7,988	7,269	0.91	1.764	7,668	6,978	0.91	1.848	7,384	6,719	0.91	1.932
30	20	8,698	6,871	0.79	1.764	8,343	6,591	0.79	1.869	8,094	6,394	0.79	1.911	7,810	6,170	0.79	1.995
30	22	9,053	6,065	0.67	1.827	8,733	5,851	0.67	1.943	8,520	5,708	0.67	1.995	8,165	5,471	0.67	2.079
30	24	9,514	5,233	0.55	1.911	9,159	5,037	0.55	2.016	8,946	4,920	0.55	2.079	8,662	4,764	0.55	2.184
30	26	9,798	4,213	0.43	2.016	9,514	4,091	0.43	2.121	9,372	4,030	0.43	2.184	9,088	3,908	0.43	2.247
31	18	8,343	7,925	0.95	1.680	7,988	7,588	0.95	1.764	7,668	7,285	0.95	1.848	7,384	7,015	0.95	1.932
31	20	8,698	7,219	0.83	1.764	8,343	6,924	0.83	1.869	8,094	6,718	0.83	1.911	7,810	6,482	0.83	1.995
31	22	9,053	6,427	0.71	1.827	8,733	6,200	0.71	1.943	8,520	6,049	0.71	1.995	8,165	5,797	0.71	2.079
31	24	9,514	5,613	0.59	1.911	9,159	5,404	0.59	2.016	8,946	5,278	0.59	2.079	8,662	5,111	0.59	2.184
31	26	9,798	4,605	0.47	2.016	9,514	4,472	0.47	2.121	9,372	4,405	0.47	2.184	9,088	4,271	0.47	2.247
32	18	8,343	8,259	0.99	1.680	7,988	7,908	0.99	1.764	7,668	7,591	0.99	1.848	7,384	7,310	0.99	1.932
32	20	8,698	7,567	0.87	1.764	8,343	7,258	0.87	1.869	8,094	7,042	0.87	1.911	7,810	6,795	0.87	1.995
32	22	9,053	6,789	0.75	1.827	8,733	6,550	0.75	1.943	8,520	6,390	0.75	1.995	8,165	6,124	0.75	2.079
32	24	9,514	5,994	0.63	1.911	9,159	5,770	0.63	2.016	8,946	5,636	0.63	2.079	8,662	5,457	0.63	2.184
32	26	9,798	4,997	0.51	2.016	9,514	4,852	0.51	2.121	9,372	4,780	0.51	2.184	9,088	4,635	0.51	2.247

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M71EA / SUZ-KA71VA6

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,958	3,827	0.55	2.058	6,390	3,515	0.55	2.184	5,893	3,241	0.55	2.268
21	20	7,313	3,145	0.43	2.142	6,816	2,931	0.43	2.247	6,319	2,717	0.43	2.373
22	18	6,958	4,105	0.59	2.058	6,390	3,770	0.59	2.184	5,893	3,477	0.59	2.268
22	20	7,313	3,437	0.47	2.142	6,816	3,204	0.47	2.247	6,319	2,970	0.47	2.373
22	22	7,739	2,709	0.35	2.226	7,242	2,535	0.35	2.352	6,745	2,361	0.35	2.436
23	18	6,958	4,384	0.63	2.058	6,390	4,026	0.63	2.184	5,893	3,713	0.63	2.268
23	20	7,313	3,730	0.51	2.142	6,816	3,476	0.51	2.247	6,319	3,223	0.51	2.373
23	22	7,739	3,018	0.39	2.226	7,242	2,824	0.39	2.352	6,745	2,631	0.39	2.436
24	18	6,958	4,662	0.67	2.058	6,390	4,281	0.67	2.184	5,893	3,948	0.67	2.268
24	20	7,313	4,022	0.55	2.142	6,816	3,749	0.55	2.247	6,319	3,475	0.55	2.373
24	22	7,739	3,328	0.43	2.226	7,242	3,114	0.43	2.352	6,745	2,900	0.43	2.436
24	24	8,165	2,531	0.31	2.310	7,668	2,377	0.31	2.415	7,242	2,245	0.31	2.520
25	20	7,313	4,315	0.59	2.142	6,816	4,021	0.59	2.247	6,319	3,728	0.59	2.373
25	22	7,739	3,637	0.47	2.226	7,242	3,404	0.47	2.352	6,745	3,170	0.47	2.436
25	24	8,165	2,858	0.35	2.310	7,668	2,684	0.35	2.415	7,242	2,535	0.35	2.520
26	18	6,958	5,219	0.75	2.058	6,390	4,793	0.75	2.184	5,893	4,420	0.75	2.268
26	20	7,313	4,607	0.63	2.142	6,816	4,294	0.63	2.247	6,319	3,981	0.63	2.373
26	22	7,739	3,947	0.51	2.226	7,242	3,693	0.51	2.352	6,745	3,440	0.51	2.436
26	24	8,165	3,184	0.39	2.310	7,668	2,991	0.39	2.415	7,242	2,824	0.39	2.520
26	26	8,591	2,320	0.27	2.394	8,094	2,185	0.27	2.499	7,597	2,051	0.27	2.604
27	18	6,958	5,497	0.79	2.058	6,390	5,048	0.79	2.184	5,893	4,655	0.79	2.268
27	20	7,313	4,900	0.67	2.142	6,816	4,567	0.67	2.247	6,319	4,234	0.67	2.373
27	22	7,739	4,256	0.55	2.226	7,242	3,983	0.55	2.352	6,745	3,710	0.55	2.436
27	24	8,165	3,511	0.43	2.310	7,668	3,297	0.43	2.415	7,242	3,114	0.43	2.520
27	26	8,591	2,663	0.31	2.394	8,094	2,509	0.31	2.499	7,597	2,355	0.31	2.604
28	18	6,958	5,775	0.83	2.058	6,390	5,304	0.83	2.184	5,893	4,891	0.83	2.268
28	20	7,313	5,192	0.71	2.142	6,816	4,839	0.71	2.247	6,319	4,486	0.71	2.373
28	22	7,739	4,566	0.59	2.226	7,242	4,273	0.59	2.352	6,745	3,980	0.59	2.436
28	24	8,165	3,838	0.47	2.310	7,668	3,604	0.47	2.415	7,242	3,404	0.47	2.520
28	26	8,591	3,007	0.35	2.394	8,094	2,833	0.35	2.499	7,597	2,659	0.35	2.604
29	18	6,958	6,053	0.87	2.058	6,390	5,559	0.87	2.184	5,893	5,127	0.87	2.268
29	20	7,313	5,485	0.75	2.142	6,816	5,112	0.75	2.247	6,319	4,739	0.75	2.373
29	22	7,739	4,876	0.63	2.226	7,242	4,562	0.63	2.352	6,745	4,249	0.63	2.436
29	24	8,165	4,164	0.51	2.310	7,668	3,911	0.51	2.415	7,242	3,693	0.51	2.520
29	26	8,591	3,350	0.39	2.394	8,094	3,157	0.39	2.499	7,597	2,963	0.39	2.604
30	18	6,958	6,332	0.91	2.058	6,390	5,815	0.91	2.184	5,893	5,363	0.91	2.268
30	20	7,313	5,777	0.79	2.142	6,816	5,385	0.79	2.247	6,319	4,992	0.79	2.373
30	22	7,739	5,185	0.67	2.226	7,242	4,852	0.67	2.352	6,745	4,519	0.67	2.436
30	24	8,165	4,491	0.55	2.310	7,668	4,217	0.55	2.415	7,242	3,983	0.55	2.520
30	26	8,591	3,694	0.43	2.394	8,094	3,480	0.43	2.499	7,597	3,267	0.43	2.604
31	18	6,958	6,610	0.95	2.058	6,390	6,071	0.95	2.184	5,893	5,598	0.95	2.268
31	20	7,313	6,070	0.83	2.142	6,816	5,657	0.83	2.247	6,319	5,245	0.83	2.373
31	22	7,739	5,495	0.71	2.226	7,242	5,142	0.71	2.352	6,745	4,789	0.71	2.436
31	24	8,165	4,817	0.59	2.310	7,668	4,524	0.59	2.415	7,242	4,273	0.59	2.520
31	26	8,591	4,038	0.47	2.394	8,094	3,804	0.47	2.499	7,597	3,571	0.47	2.604
32	18	6,958	6,888	0.99	2.058	6,390	6,326	0.99	2.184	5,893	5,834	0.99	2.268
32	20	7,313	6,362	0.87	2.142	6,816	5,930	0.87	2.247	6,319	5,498	0.87	2.373
32	22	7,739	5,804	0.75	2.226	7,242	5,432	0.75	2.352	6,745	5,059	0.75	2.436
32	24	8,165	5,144	0.63	2.310	7,668	4,831	0.63	2.415	7,242	4,562	0.63	2.520
32	26	8,591	4,381	0.51	2.394	8,094	4,128	0.51	2.499	7,597	3,874	0.51	2.604

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M100EA / PUHZ-P100VKA PUHZ-P100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,306	6,235	0.67	2.54	9,024	6,046	0.67	2.69	8,742	5,857	0.67	2.85
20	18	9,964	5,480	0.55	2.59	9,682	5,325	0.55	2.73	9,353	5,144	0.55	2.93
20	20	10,716	4,608	0.43	2.67	10,481	4,507	0.43	2.80	10,199	4,386	0.43	2.99
22	16	9,306	6,980	0.75	2.54	9,024	6,768	0.75	2.69	8,742	6,557	0.75	2.85
22	18	9,964	6,277	0.63	2.59	9,682	6,100	0.63	2.73	9,353	5,892	0.63	2.93
22	20	10,716	5,465	0.51	2.67	10,481	5,345	0.51	2.80	10,199	5,201	0.51	2.99
24	16	9,306	7,724	0.83	2.54	9,024	7,490	0.83	2.69	8,742	7,256	0.83	2.85
24	18	9,964	7,074	0.71	2.59	9,682	6,874	0.71	2.73	9,353	6,641	0.71	2.93
24	20	10,716	6,322	0.59	2.67	10,481	6,184	0.59	2.80	10,199	6,017	0.59	2.99
24	22	11,421	5,368	0.47	2.73	11,186	5,257	0.47	2.89	10,904	5,125	0.47	3.08
26	16	9,306	8,468	0.91	2.54	9,024	8,212	0.91	2.69	8,742	7,955	0.91	2.85
26	18	9,964	7,872	0.79	2.59	9,682	7,649	0.79	2.73	9,353	7,389	0.79	2.93
26	20	10,716	7,180	0.67	2.67	10,481	7,022	0.67	2.80	10,199	6,833	0.67	2.99
26	22	11,421	6,282	0.55	2.73	11,186	6,152	0.55	2.89	10,904	5,997	0.55	3.08
27	16	9,306	8,841	0.95	2.54	9,024	8,573	0.95	2.69	8,742	8,305	0.95	2.85
27	18	9,964	8,270	0.83	2.59	9,682	8,036	0.83	2.73	9,353	7,763	0.83	2.93
27	20	10,716	7,608	0.71	2.67	10,481	7,442	0.71	2.80	10,199	7,241	0.71	2.99
27	22	11,421	6,738	0.59	2.73	11,186	6,600	0.59	2.89	10,904	6,433	0.59	3.08
28	16	9,306	9,213	0.99	2.54	9,024	8,934	0.99	2.69	8,742	8,655	0.99	2.85
28	18	9,964	8,669	0.87	2.59	9,682	8,423	0.87	2.73	9,353	8,137	0.87	2.93
28	20	10,716	8,037	0.75	2.67	10,481	7,861	0.75	2.80	10,199	7,649	0.75	2.99
28	22	11,421	7,195	0.63	2.73	11,186	7,047	0.63	2.89	10,904	6,870	0.63	3.08
30	16	9,306	9,306	1.00	2.54	9,024	9,024	1.00	2.69	8,742	8,742	1.00	2.85
30	18	9,964	9,466	0.95	2.59	9,682	9,198	0.95	2.73	9,353	8,885	0.95	2.93
30	20	10,716	8,894	0.83	2.67	10,481	8,699	0.83	2.80	10,199	8,465	0.83	2.99
30	22	11,421	8,109	0.71	2.73	11,186	7,942	0.71	2.89	10,904	7,742	0.71	3.08
32	16	9,306	9,306	1.00	2.54	9,024	9,024	1.00	2.69	8,742	8,742	1.00	2.85
32	18	9,964	9,964	1.00	2.59	9,682	9,682	1.00	2.73	9,353	9,353	1.00	2.93
32	20	10,716	9,752	0.91	2.67	10,481	9,538	0.91	2.80	10,199	9,281	0.91	2.99
32	22	11,421	9,023	0.79	2.73	11,186	8,837	0.79	2.89	10,904	8,614	0.79	3.08
34	16	9,306	9,306	1.00	2.54	9,024	9,024	1.00	2.69	8,742	8,742	1.00	2.85
34	18	9,964	9,964	1.00	2.59	9,682	9,682	1.00	2.73	9,353	9,353	1.00	2.93
34	20	10,716	10,609	0.99	2.67	10,481	10,376	0.99	2.80	10,199	10,097	0.99	2.99
34	22	11,421	9,936	0.87	2.73	11,186	9,732	0.87	2.89	10,904	9,486	0.87	3.08

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,366	5,605	0.67	3.05	7,990	5,353	0.67	3.28	7,614	5,101	0.67	3.55
20	18	9,024	4,963	0.55	3.13	8,742	4,808	0.55	3.37	8,178	4,498	0.55	3.63
20	20	9,776	4,204	0.43	3.21	9,400	4,042	0.43	3.43	8,836	3,799	0.43	3.69
22	16	8,366	6,275	0.75	3.05	7,990	5,993	0.75	3.28	7,614	5,711	0.75	3.55
22	18	9,024	5,685	0.63	3.13	8,742	5,507	0.63	3.37	8,178	5,152	0.63	3.63
22	20	9,776	4,986	0.51	3.21	9,400	4,794	0.51	3.43	8,836	4,506	0.51	3.69
24	16	8,366	6,944	0.83	3.05	7,990	6,632	0.83	3.28	7,614	6,320	0.83	3.55
24	18	9,024	6,407	0.71	3.13	8,742	6,207	0.71	3.37	8,178	5,806	0.71	3.63
24	20	9,776	5,768	0.59	3.21	9,400	5,546	0.59	3.43	8,836	5,213	0.59	3.69
24	22	10,528	4,948	0.47	3.28	10,152	4,771	0.47	3.53	9,588	4,506	0.47	3.75
26	16	8,366	7,613	0.91	3.05	7,990	7,271	0.91	3.28	7,614	6,929	0.91	3.55
26	18	9,024	7,129	0.79	3.13	8,742	6,906	0.79	3.37	8,178	6,461	0.79	3.63
26	20	9,776	6,550	0.67	3.21	9,400	6,298	0.67	3.43	8,836	5,920	0.67	3.69
26	22	10,528	5,790	0.55	3.28	10,152	5,584	0.55	3.53	9,588	5,273	0.55	3.75
27	16	8,366	7,948	0.95	3.05	7,990	7,591	0.95	3.28	7,614	7,233	0.95	3.55
27	18	9,024	7,490	0.83	3.13	8,742	7,256	0.83	3.37	8,178	6,788	0.83	3.63
27	20	9,776	6,941	0.71	3.21	9,400	6,674	0.71	3.43	8,836	6,274	0.71	3.69
27	22	10,528	6,212	0.59	3.28	10,152	5,990	0.59	3.53	9,588	5,657	0.59	3.75
28	16	8,366	8,282	0.99	3.05	7,990	7,910	0.99	3.28	7,614	7,538	0.99	3.55
28	18	9,024	7,851	0.87	3.13	8,742	7,606	0.87	3.37	8,178	7,115	0.87	3.63
28	20	9,776	7,332	0.75	3.21	9,400	7,050	0.75	3.43	8,836	6,627	0.75	3.69
28	22	10,528	6,633	0.63	3.28	10,152	6,396	0.63	3.53	9,588	6,040	0.63	3.75
30	16	8,366	8,366	1.00	3.05	7,990	7,990	1.00	3.28	7,614	7,614	1.00	3.55
30	18	9,024	8,573	0.95	3.13	8,742	8,305	0.95	3.37	8,178	7,769	0.95	3.63
30	20	9,776	8,114	0.83	3.21	9,400	7,802	0.83	3.43	8,836	7,334	0.83	3.69
30	22	10,528	7,475	0.71	3.28	10,152	7,208	0.71	3.53	9,588	6,807	0.71	3.75
32	16	8,366	8,366	1.00	3.05	7,990	7,990	1.00	3.28	7,614	7,614	1.00	3.55
32	18	9,024	9,024	1.00	3.13	8,742	8,742	1.00	3.37	8,178	8,178	1.00	3.63
32	20	9,776	8,896	0.91	3.21	9,400	8,554	0.91	3.43	8,836	8,041	0.91	3.69
32	22	10,528	8,317	0.79	3.28	10,152	8,020	0.79	3.53	9,588	7,575	0.79	3.75
34	16	8,366	8,366	1.00	3.05	7,990	7,990	1.00	3.28	7,614	7,614	1.00	3.55
34	18	9,024	9,024	1.00	3.13	8,742	8,742	1.00	3.37	8,178	8,178	1.00	3.63
34	20	9,776	9,678	0.99	3.21	9,400	9,306	0.99	3.43	8,836	8,748	0.99	3.69
34	22	10,528	9,159	0.87	3.28	10,152	8,832	0.87	3.53	9,588	8,342	0.87	3.75

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M125EA / PUHZ-P125VKA PUHZ-P125YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	11,979	7,547	0.63	3.28	11,616	7,318	0.63	3.46	11,253	7,089	0.63	3.67
20	18	12,826	6,541	0.51	3.34	12,463	6,356	0.51	3.53	12,040	6,140	0.51	3.77
20	20	13,794	5,380	0.39	3.44	13,492	5,262	0.39	3.61	13,129	5,120	0.39	3.85
22	16	11,979	8,505	0.71	3.28	11,616	8,247	0.71	3.46	11,253	7,990	0.71	3.67
22	18	12,826	7,567	0.59	3.34	12,463	7,353	0.59	3.53	12,040	7,103	0.59	3.77
22	20	13,794	6,483	0.47	3.44	13,492	6,341	0.47	3.61	13,129	6,170	0.47	3.85
24	16	11,979	9,463	0.79	3.28	11,616	9,177	0.79	3.46	11,253	8,890	0.79	3.67
24	18	12,826	8,593	0.67	3.34	12,463	8,350	0.67	3.53	12,040	8,066	0.67	3.77
24	20	13,794	7,587	0.55	3.44	13,492	7,420	0.55	3.61	13,129	7,221	0.55	3.85
24	22	14,702	6,322	0.43	3.53	14,399	6,192	0.43	3.73	14,036	6,035	0.43	3.98
26	16	11,979	10,422	0.87	3.28	11,616	10,106	0.87	3.46	11,253	9,790	0.87	3.67
26	18	12,826	9,620	0.75	3.34	12,463	9,347	0.75	3.53	12,040	9,030	0.75	3.77
26	20	13,794	8,690	0.63	3.44	13,492	8,500	0.63	3.61	13,129	8,271	0.63	3.85
26	22	14,702	7,498	0.51	3.53	14,399	7,343	0.51	3.73	14,036	7,158	0.51	3.98
27	16	11,979	10,901	0.91	3.28	11,616	10,571	0.91	3.46	11,253	10,240	0.91	3.67
27	18	12,826	10,133	0.79	3.34	12,463	9,846	0.79	3.53	12,040	9,511	0.79	3.77
27	20	13,794	9,242	0.67	3.44	13,492	9,039	0.67	3.61	13,129	8,796	0.67	3.85
27	22	14,702	8,086	0.55	3.53	14,399	7,919	0.55	3.73	14,036	7,720	0.55	3.98
28	16	11,979	11,380	0.95	3.28	11,616	11,035	0.95	3.46	11,253	10,690	0.95	3.67
28	18	12,826	10,646	0.83	3.34	12,463	10,344	0.83	3.53	12,040	9,993	0.83	3.77
28	20	13,794	9,794	0.71	3.44	13,492	9,579	0.71	3.61	13,129	9,321	0.71	3.85
28	22	14,702	8,674	0.59	3.53	14,399	8,495	0.59	3.73	14,036	8,281	0.59	3.98
30	16	11,979	11,979	1.00	3.28	11,616	11,616	1.00	3.46	11,253	11,253	1.00	3.67
30	18	12,826	11,672	0.91	3.34	12,463	11,341	0.91	3.53	12,040	10,956	0.91	3.77
30	20	13,794	10,897	0.79	3.44	13,492	10,658	0.79	3.61	13,129	10,372	0.79	3.85
30	22	14,702	9,850	0.67	3.53	14,399	9,647	0.67	3.73	14,036	9,404	0.67	3.98
32	16	11,979	11,979	1.00	3.28	11,616	11,616	1.00	3.46	11,253	11,253	1.00	3.67
32	18	12,826	12,698	0.99	3.34	12,463	12,338	0.99	3.53	12,040	11,919	0.99	3.77
32	20	13,794	12,001	0.87	3.44	13,492	11,738	0.87	3.61	13,129	11,422	0.87	3.85
32	22	14,702	11,026	0.75	3.53	14,399	10,799	0.75	3.73	14,036	10,527	0.75	3.98
34	16	11,979	11,979	1.00	3.28	11,616	11,616	1.00	3.46	11,253	11,253	1.00	3.67
34	18	12,826	12,826	1.00	3.34	12,463	12,463	1.00	3.53	12,040	12,040	1.00	3.77
34	20	13,794	13,104	0.95	3.44	13,492	12,817	0.95	3.61	13,129	12,472	0.95	3.85
34	22	14,702	12,202	0.83	3.53	14,399	11,951	0.83	3.73	14,036	11,650	0.83	3.98

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	10,769	6,784	0.63	3.94	10,285	6,480	0.63	4.22	9,801	6,175	0.63	4.57
20	18	11,616	5,924	0.51	4.04	11,253	5,739	0.51	4.35	10,527	5,369	0.51	4.67
20	20	12,584	4,908	0.39	4.14	12,100	4,719	0.39	4.43	11,374	4,436	0.39	4.76
22	16	10,769	7,646	0.71	3.94	10,285	7,302	0.71	4.22	9,801	6,959	0.71	4.57
22	18	11,616	6,853	0.59	4.04	11,253	6,639	0.59	4.35	10,527	6,211	0.59	4.67
22	20	12,584	5,914	0.47	4.14	12,100	5,687	0.47	4.43	11,374	5,346	0.47	4.76
24	16	10,769	8,508	0.79	3.94	10,285	8,125	0.79	4.22	9,801	7,743	0.79	4.57
24	18	11,616	7,783	0.67	4.04	11,253	7,540	0.67	4.35	10,527	7,053	0.67	4.67
24	20	12,584	6,921	0.55	4.14	12,100	6,655	0.55	4.43	11,374	6,256	0.55	4.76
24	22	13,552	5,827	0.43	4.22	13,068	5,619	0.43	4.55	12,342	5,307	0.43	4.84
26	16	10,769	9,369	0.87	3.94	10,285	8,948	0.87	4.22	9,801	8,527	0.87	4.57
26	18	11,616	8,712	0.75	4.04	11,253	8,440	0.75	4.35	10,527	7,895	0.75	4.67
26	20	12,584	7,928	0.63	4.14	12,100	7,623	0.63	4.43	11,374	7,166	0.63	4.76
26	22	13,552	6,912	0.51	4.22	13,068	6,665	0.51	4.55	12,342	6,294	0.51	4.84
27	16	10,769	9,800	0.91	3.94	10,285	9,359	0.91	4.22	9,801	8,919	0.91	4.57
27	18	11,616	9,177	0.79	4.04	11,253	8,890	0.79	4.35	10,527	8,316	0.79	4.67
27	20	12,584	8,431	0.67	4.14	12,100	8,107	0.67	4.43	11,374	7,621	0.67	4.76
27	22	13,552	7,454	0.55	4.22	13,068	7,187	0.55	4.55	12,342	6,788	0.55	4.84
28	16	10,769	10,231	0.95	3.94	10,285	9,771	0.95	4.22	9,801	9,311	0.95	4.57
28	18	11,616	9,641	0.83	4.04	11,253	9,340	0.83	4.35	10,527	8,737	0.83	4.67
28	20	12,584	8,935	0.71	4.14	12,100	8,591	0.71	4.43	11,374	8,076	0.71	4.76
28	22	13,552	7,996	0.59	4.22	13,068	7,710	0.59	4.55	12,342	7,282	0.59	4.84
30	16	10,769	10,769	1.00	3.94	10,285	10,285	1.00	4.22	9,801	9,801	1.00	4.57
30	18	11,616	10,571	0.91	4.04	11,253	10,240	0.91	4.35	10,527	9,580	0.91	4.67
30	20	12,584	9,941	0.79	4.14	12,100	9,559	0.79	4.43	11,374	8,985	0.79	4.76
30	22	13,552	9,080	0.67	4.22	13,068	8,756	0.67	4.55	12,342	8,269	0.67	4.84
32	16	10,769	10,769	1.00	3.94	10,285	10,285	1.00	4.22	9,801	9,801	1.00	4.57
32	18	11,616	11,500	0.99	4.04	11,253	11,140	0.99	4.35	10,527	10,422	0.99	4.67
32	20	12,584	10,948	0.87	4.14	12,100	10,527	0.87	4.43	11,374	9,895	0.87	4.76
32	22	13,552	10,164	0.75	4.22	13,068	9,801	0.75	4.55	12,342	9,257	0.75	4.84
34	16	10,769	10,769	1.00	3.94	10,285	10,285	1.00	4.22	9,801	9,801	1.00	4.57
34	18	11,616	11,616	1.00	4.04	11,253	11,253	1.00	4.35	10,527	10,527	1.00	4.67
34	20	12,584	11,955	0.95	4.14	12,100	11,495	0.95	4.43	11,374	10,805	0.95	4.76
34	22	13,552	11,248	0.83	4.22	13,068	10,846	0.83	4.55	12,342	10,244	0.83	4.84

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-M140EA / PUHZ-P140VKA PUHZ-P140YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,464	8,078	0.60	4.33	13,056	7,834	0.60	4.57	12,648	7,589	0.60	4.84
20	18	14,416	6,920	0.48	4.41	14,008	6,724	0.48	4.65	13,532	6,495	0.48	4.98
20	20	15,504	5,581	0.36	4.54	15,164	5,459	0.36	4.76	14,756	5,312	0.36	5.09
22	16	13,464	9,156	0.68	4.33	13,056	8,878	0.68	4.57	12,648	8,601	0.68	4.84
22	18	14,416	8,073	0.56	4.41	14,008	7,844	0.56	4.65	13,532	7,578	0.56	4.98
22	20	15,504	6,822	0.44	4.54	15,164	6,672	0.44	4.76	14,756	6,493	0.44	5.09
24	16	13,464	10,233	0.76	4.33	13,056	9,923	0.76	4.57	12,648	9,612	0.76	4.84
24	18	14,416	9,226	0.64	4.41	14,008	8,965	0.64	4.65	13,532	8,660	0.64	4.98
24	20	15,504	8,062	0.52	4.54	15,164	7,885	0.52	4.76	14,756	7,673	0.52	5.09
24	22	16,524	6,610	0.40	4.65	16,184	6,474	0.40	4.92	15,776	6,310	0.40	5.25
26	16	13,464	11,310	0.84	4.33	13,056	10,967	0.84	4.57	12,648	10,624	0.84	4.84
26	18	14,416	10,380	0.72	4.41	14,008	10,086	0.72	4.65	13,532	9,743	0.72	4.98
26	20	15,504	9,302	0.60	4.54	15,164	9,098	0.60	4.76	14,756	8,854	0.60	5.09
26	22	16,524	7,932	0.48	4.65	16,184	7,768	0.48	4.92	15,776	7,572	0.48	5.25
27	16	13,464	11,848	0.88	4.33	13,056	11,489	0.88	4.57	12,648	11,130	0.88	4.84
27	18	14,416	10,956	0.76	4.41	14,008	10,646	0.76	4.65	13,532	10,284	0.76	4.98
27	20	15,504	9,923	0.64	4.54	15,164	9,705	0.64	4.76	14,756	9,444	0.64	5.09
27	22	16,524	8,592	0.52	4.65	16,184	8,416	0.52	4.92	15,776	8,204	0.52	5.25
28	16	13,464	12,387	0.92	4.33	13,056	12,012	0.92	4.57	12,648	11,636	0.92	4.84
28	18	14,416	11,533	0.80	4.41	14,008	11,206	0.80	4.65	13,532	10,826	0.80	4.98
28	20	15,504	10,543	0.68	4.54	15,164	10,312	0.68	4.76	14,756	10,034	0.68	5.09
28	22	16,524	9,253	0.56	4.65	16,184	9,063	0.56	4.92	15,776	8,835	0.56	5.25
30	16	13,464	13,464	1.00	4.33	13,056	13,056	1.00	4.57	12,648	12,648	1.00	4.84
30	18	14,416	12,686	0.88	4.41	14,008	12,327	0.88	4.65	13,532	11,908	0.88	4.98
30	20	15,504	11,783	0.76	4.54	15,164	11,525	0.76	4.76	14,756	11,215	0.76	5.09
30	22	16,524	10,575	0.64	4.65	16,184	10,358	0.64	4.92	15,776	10,097	0.64	5.25
32	16	13,464	13,464	1.00	4.33	13,056	13,056	1.00	4.57	12,648	12,648	1.00	4.84
32	18	14,416	13,839	0.96	4.41	14,008	13,448	0.96	4.65	13,532	12,991	0.96	4.98
32	20	15,504	13,023	0.84	4.54	15,164	12,738	0.84	4.76	14,756	12,395	0.84	5.09
32	22	16,524	11,897	0.72	4.65	16,184	11,652	0.72	4.92	15,776	11,359	0.72	5.25
34	16	13,464	13,464	1.00	4.33	13,056	13,056	1.00	4.57	12,648	12,648	1.00	4.84
34	18	14,416	14,416	1.00	4.41	14,008	14,008	1.00	4.65	13,532	13,532	1.00	4.98
34	20	15,504	14,264	0.92	4.54	15,164	13,951	0.92	4.76	14,756	13,576	0.92	5.09
34	22	16,524	13,219	0.80	4.65	16,184	12,947	0.80	4.92	15,776	12,621	0.80	5.25

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	12,104	7,262	0.60	5.19	11,560	6,936	0.60	5.57	11,016	6,610	0.60	6.03
20	18	13,056	6,267	0.48	5.33	12,648	6,071	0.48	5.73	11,832	5,679	0.48	6.17
20	20	14,144	5,092	0.36	5.46	13,600	4,896	0.36	5.84	12,784	4,602	0.36	6.28
22	16	12,104	8,231	0.68	5.19	11,560	7,861	0.68	5.57	11,016	7,491	0.68	6.03
22	18	13,056	7,311	0.56	5.33	12,648	7,083	0.56	5.73	11,832	6,626	0.56	6.17
22	20	14,144	6,223	0.44	5.46	13,600	5,984	0.44	5.84	12,784	5,625	0.44	6.28
24	16	12,104	9,199	0.76	5.19	11,560	8,786	0.76	5.57	11,016	8,372	0.76	6.03
24	18	13,056	8,356	0.64	5.33	12,648	8,095	0.64	5.73	11,832	7,572	0.64	6.17
24	20	14,144	7,355	0.52	5.46	13,600	7,072	0.52	5.84	12,784	6,648	0.52	6.28
24	22	15,232	6,093	0.40	5.57	14,688	5,875	0.40	6.01	13,872	5,549	0.40	6.38
26	16	12,104	10,167	0.84	5.19	11,560	9,710	0.84	5.57	11,016	9,253	0.84	6.03
26	18	13,056	9,400	0.72	5.33	12,648	9,107	0.72	5.73	11,832	8,519	0.72	6.17
26	20	14,144	8,486	0.60	5.46	13,600	8,160	0.60	5.84	12,784	7,670	0.60	6.28
26	22	15,232	7,311	0.48	5.57	14,688	7,050	0.48	6.01	13,872	6,659	0.48	6.38
27	16	12,104	10,652	0.88	5.19	11,560	10,173	0.88	5.57	11,016	9,694	0.88	6.03
27	18	13,056	9,923	0.76	5.33	12,648	9,612	0.76	5.73	11,832	8,992	0.76	6.17
27	20	14,144	9,052	0.64	5.46	13,600	8,704	0.64	5.84	12,784	8,182	0.64	6.28
27	22	15,232	7,921	0.52	5.57	14,688	7,638	0.52	6.01	13,872	7,213	0.52	6.38
28	16	12,104	11,136	0.92	5.19	11,560	10,635	0.92	5.57	11,016	10,135	0.92	6.03
28	18	13,056	10,445	0.80	5.33	12,648	10,118	0.80	5.73	11,832	9,466	0.80	6.17
28	20	14,144	9,618	0.68	5.46	13,600	9,248	0.68	5.84	12,784	8,693	0.68	6.28
28	22	15,232	8,530	0.56	5.57	14,688	8,225	0.56	6.01	13,872	7,768	0.56	6.38
30	16	12,104	12,104	1.00	5.19	11,560	11,560	1.00	5.57	11,016	11,016	1.00	6.03
30	18	13,056	11,489	0.88	5.33	12,648	11,130	0.88	5.73	11,832	10,412	0.88	6.17
30	20	14,144	10,749	0.76	5.46	13,600	10,336	0.76	5.84	12,784	9,716	0.76	6.28
30	22	15,232	9,748	0.64	5.57	14,688	9,400	0.64	6.01	13,872	8,878	0.64	6.38
32	16	12,104	12,104	1.00	5.19	11,560	11,560	1.00	5.57	11,016	11,016	1.00	6.03
32	18	13,056	12,534	0.96	5.33	12,648	12,142	0.96	5.73	11,832	11,359	0.96	6.17
32	20	14,144	11,881	0.84	5.46	13,600	11,424	0.84	5.84	12,784	10,739	0.84	6.28
32	22	15,232	10,967	0.72	5.57	14,688	10,575	0.72	6.01	13,872	9,988	0.72	6.38
34	16	12,104	12,104	1.00	5.19	11,560	11,560	1.00	5.57	11,016	11,016	1.00	6.03
34	18	13,056	13,056	1.00	5.33	12,648	12,648	1.00	5.73	11,832	11,832	1.00	6.17
34	20	14,144	13,012	0.92	5.46	13,600	12,512	0.92	5.84	12,784	11,761	0.92	6.28
34	22	15,232	12,186	0.80	5.57	14,688	11,750	0.80	6.01	13,872	11,098	0.80	6.38

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-SM71EA / SUZ-SA71VA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8,343	4,922	0.59	1.774	7,988	4,713	0.59	1.863	7,668	4,524	0.59	1.952	7,384	4,357	0.59	2.041
21	20	8,698	4,088	0.47	1.863	8,343	3,921	0.47	1.974	8,094	3,804	0.47	2.018	7,810	3,671	0.47	2.107
22	18	8,343	5,256	0.63	1.774	7,988	5,032	0.63	1.863	7,668	4,831	0.63	1.952	7,384	4,652	0.63	2.041
22	20	8,698	4,436	0.51	1.863	8,343	4,255	0.51	1.974	8,094	4,128	0.51	2.018	7,810	3,983	0.51	2.107
22	22	9,053	3,530	0.39	1.930	8,733	3,406	0.39	2.052	8,520	3,323	0.39	2.107	8,165	3,184	0.39	2.196
23	18	8,343	5,589	0.67	1.774	7,988	5,352	0.67	1.863	7,668	5,138	0.67	1.952	7,384	4,947	0.67	2.041
23	20	8,698	4,784	0.55	1.863	8,343	4,588	0.55	1.974	8,094	4,452	0.55	2.018	7,810	4,296	0.55	2.107
23	22	9,053	3,893	0.43	1.930	8,733	3,755	0.43	2.052	8,520	3,664	0.43	2.107	8,165	3,511	0.43	2.196
24	18	8,343	5,923	0.71	1.774	7,988	5,671	0.71	1.863	7,668	5,444	0.71	1.952	7,384	5,243	0.71	2.041
24	20	8,698	5,132	0.59	1.863	8,343	4,922	0.59	1.974	8,094	4,775	0.59	2.018	7,810	4,608	0.59	2.107
24	22	9,053	4,255	0.47	1.930	8,733	4,105	0.47	2.052	8,520	4,004	0.47	2.107	8,165	3,838	0.47	2.196
24	24	9,514	3,330	0.35	2.018	9,159	3,206	0.35	2.129	8,946	3,131	0.35	2.196	8,662	3,032	0.35	2.307
25	18	8,698	5,479	0.63	1.863	8,343	5,256	0.63	1.974	8,094	5,099	0.63	2.018	7,810	4,920	0.63	2.107
25	20	9,053	4,617	0.51	1.930	8,733	4,454	0.51	2.052	8,520	4,345	0.51	2.107	8,165	4,164	0.51	2.196
25	22	9,514	3,710	0.39	2.018	9,159	3,572	0.39	2.129	8,946	3,489	0.39	2.196	8,662	3,378	0.39	2.307
26	18	8,343	6,591	0.79	1.774	7,988	6,310	0.79	1.863	7,668	6,058	0.79	1.952	7,384	5,833	0.79	2.041
26	20	8,698	5,827	0.67	1.863	8,343	5,589	0.67	1.974	8,094	5,423	0.67	2.018	7,810	5,233	0.67	2.107
26	22	9,053	4,979	0.55	1.930	8,733	4,803	0.55	2.052	8,520	4,686	0.55	2.107	8,165	4,491	0.55	2.196
26	24	9,514	4,091	0.43	2.018	9,159	3,938	0.43	2.129	8,946	3,847	0.43	2.196	8,662	3,725	0.43	2.307
26	26	9,798	3,037	0.31	2.129	9,514	2,949	0.31	2.240	9,372	2,905	0.31	2.307	9,088	2,817	0.31	2.373
27	18	8,343	6,924	0.83	1.774	7,988	6,630	0.83	1.863	7,668	6,364	0.83	1.952	7,384	6,129	0.83	2.041
27	20	8,698	6,175	0.71	1.863	8,343	5,923	0.71	1.974	8,094	5,747	0.71	2.018	7,810	5,545	0.71	2.107
27	22	9,053	5,341	0.59	1.930	8,733	5,152	0.59	2.052	8,520	5,027	0.59	2.107	8,165	4,817	0.59	2.196
27	24	9,514	4,472	0.47	2.018	9,159	4,305	0.47	2.129	8,946	4,205	0.47	2.196	8,662	4,071	0.47	2.307
27	26	9,798	3,429	0.35	2.129	9,514	3,330	0.35	2.240	9,372	3,280	0.35	2.307	9,088	3,181	0.35	2.373
28	18	8,343	7,258	0.87	1.774	7,988	6,949	0.87	1.863	7,668	6,671	0.87	1.952	7,384	6,424	0.87	2.041
28	20	8,698	6,523	0.75	1.863	8,343	6,257	0.75	1.974	8,094	6,071	0.75	2.018	7,810	5,858	0.75	2.107
28	22	9,053	5,703	0.63	1.930	8,733	5,502	0.63	2.052	8,520	5,368	0.63	2.107	8,165	5,144	0.63	2.196
28	24	9,514	4,852	0.51	2.018	9,159	4,671	0.51	2.129	8,946	4,562	0.51	2.196	8,662	4,418	0.51	2.307
28	26	9,798	3,821	0.39	2.129	9,514	3,710	0.39	2.240	9,372	3,655	0.39	2.307	9,088	3,544	0.39	2.373
29	18	8,343	7,592	0.91	1.774	7,988	7,269	0.91	1.863	7,668	6,978	0.91	1.952	7,384	6,719	0.91	2.041
29	20	8,698	6,871	0.79	1.863	8,343	6,591	0.79	1.974	8,094	6,394	0.79	2.018	7,810	6,170	0.79	2.107
29	22	9,053	6,065	0.67	1.930	8,733	5,851	0.67	2.052	8,520	5,708	0.67	2.107	8,165	5,471	0.67	2.196
29	24	9,514	5,233	0.55	2.018	9,159	5,037	0.55	2.129	8,946	4,920	0.55	2.196	8,662	4,764	0.55	2.307
29	26	9,798	4,213	0.43	2.129	9,514	4,091	0.43	2.240	9,372	4,030	0.43	2.307	9,088	3,908	0.43	2.373
30	18	8,343	7,925	0.95	1.774	7,988	7,588	0.95	1.863	7,668	7,285	0.95	1.952	7,384	7,015	0.95	2.041
30	20	8,698	7,219	0.83	1.863	8,343	6,924	0.83	1.974	8,094	6,718	0.83	2.018	7,810	6,482	0.83	2.107
30	22	9,053	6,427	0.71	1.930	8,733	6,200	0.71	2.052	8,520	6,049	0.71	2.107	8,165	5,797	0.71	2.196
30	24	9,514	5,613	0.59	2.018	9,159	5,404	0.59	2.129	8,946	5,278	0.59	2.196	8,662	5,111	0.59	2.307
30	26	9,798	4,605	0.47	2.129	9,514	4,472	0.47	2.240	9,372	4,405	0.47	2.307	9,088	4,271	0.47	2.373
31	18	8,343	8,259	0.99	1.774	7,988	7,908	0.99	1.863	7,668	7,591	0.99	1.952	7,384	7,310	0.99	2.041
31	20	8,698	7,567	0.87	1.863	8,343	7,258	0.87	1.974	8,094	7,042	0.87	2.018	7,810	6,795	0.87	2.107
31	22	9,053	6,789	0.75	1.930	8,733	6,550	0.75	2.052	8,520	6,390	0.75	2.107	8,165	6,124	0.75	2.196
31	24	9,514	5,994	0.63	2.018	9,159	5,770	0.63	2.129	8,946	5,636	0.63	2.196	8,662	5,457	0.63	2.307
31	26	9,798	4,997	0.51	2.129	9,514	4,852	0.51	2.240	9,372	4,780	0.51	2.307	9,088	4,635	0.51	2.373
32	18	8,343	8,593	1.03	1.774	7,988	8,227	1.03	1.863	7,668	7,898	1.03	1.952	7,384	7,606	1.03	2.041
32	20	8,698	7,915	0.91	1.863	8,343	7,592	0.91	1.974	8,094	7,366	0.91	2.018	7,810	7,107	0.91	2.107
32	22	9,053	7,151	0.79	1.930	8,733	6,899	0.79	2.052	8,520	6,731	0.79	2.107	8,165	6,450	0.79	2.196
32	24	9,514	6,374	0.67	2.018	9,159	6,137	0.67	2.129	8,946	5,994	0.67	2.196	8,662	5,804	0.67	2.307
32	26	9,798	5,389	0.55	2.129	9,514	5,233	0.55	2.240	9,372	5,155	0.55	2.307	9,088	4,998	0.55	2.373

Note: Q : Capacity (W) SHC : Sensible heat capacity (W) D.B. : Dry-bulb temperature
INPUT. : Total power input (kW) SHF : Sensible heat factor W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-SM71EA / SUZ-SA71VA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,958	4,105	0.59	2.174	6,390	3,770	0.59	2.307	5,893	3,477	0.59	2.395
21	20	7,313	3,437	0.47	2.262	6,816	3,204	0.47	2.373	6,319	2,970	0.47	2.506
22	18	6,958	4,384	0.63	2.174	6,390	4,026	0.63	2.307	5,893	3,713	0.63	2.395
22	20	7,313	3,730	0.51	2.262	6,816	3,476	0.51	2.373	6,319	3,223	0.51	2.506
22	22	7,739	3,018	0.39	2.351	7,242	2,824	0.39	2.484	6,745	2,631	0.39	2.573
23	18	6,958	4,662	0.67	2.174	6,390	4,281	0.67	2.307	5,893	3,948	0.67	2.395
23	20	7,313	4,022	0.55	2.262	6,816	3,749	0.55	2.373	6,319	3,475	0.55	2.506
23	22	7,739	3,328	0.43	2.351	7,242	3,114	0.43	2.484	6,745	2,900	0.43	2.573
24	18	6,958	4,940	0.71	2.174	6,390	4,537	0.71	2.307	5,893	4,184	0.71	2.395
24	20	7,313	4,315	0.59	2.262	6,816	4,021	0.59	2.373	6,319	3,728	0.59	2.506
24	22	7,739	3,637	0.47	2.351	7,242	3,404	0.47	2.484	6,745	3,170	0.47	2.573
24	24	8,165	2,858	0.35	2.440	7,668	2,684	0.35	2.551	7,242	2,535	0.35	2.662
25	18	7,313	4,607	0.63	2.262	6,816	4,294	0.63	2.373	6,319	3,981	0.63	2.506
25	20	7,739	3,947	0.51	2.351	7,242	3,693	0.51	2.484	6,745	3,440	0.51	2.573
25	22	8,165	3,184	0.39	2.440	7,668	2,991	0.39	2.551	7,242	2,824	0.39	2.662
26	18	6,958	5,497	0.79	2.174	6,390	5,048	0.79	2.307	5,893	4,655	0.79	2.395
26	20	7,313	4,900	0.67	2.262	6,816	4,567	0.67	2.373	6,319	4,234	0.67	2.506
26	22	7,739	4,256	0.55	2.351	7,242	3,983	0.55	2.484	6,745	3,710	0.55	2.573
26	24	8,165	3,511	0.43	2.440	7,668	3,297	0.43	2.551	7,242	3,114	0.43	2.662
26	26	8,591	2,663	0.31	2.529	8,094	2,509	0.31	2.639	7,597	2,355	0.31	2.750
27	18	6,958	5,775	0.83	2.174	6,390	5,304	0.83	2.307	5,893	4,891	0.83	2.395
27	20	7,313	5,192	0.71	2.262	6,816	4,839	0.71	2.373	6,319	4,486	0.71	2.506
27	22	7,739	4,566	0.59	2.351	7,242	4,273	0.59	2.484	6,745	3,980	0.59	2.573
27	24	8,165	3,838	0.47	2.440	7,668	3,604	0.47	2.551	7,242	3,404	0.47	2.662
27	26	8,591	3,007	0.35	2.529	8,094	2,833	0.35	2.639	7,597	2,659	0.35	2.750
28	18	6,958	6,053	0.87	2.174	6,390	5,559	0.87	2.307	5,893	5,127	0.87	2.395
28	20	7,313	5,485	0.75	2.262	6,816	5,112	0.75	2.373	6,319	4,739	0.75	2.506
28	22	7,739	4,876	0.63	2.351	7,242	4,562	0.63	2.484	6,745	4,249	0.63	2.573
28	24	8,165	4,164	0.51	2.440	7,668	3,911	0.51	2.551	7,242	3,693	0.51	2.662
28	26	8,591	3,350	0.39	2.529	8,094	3,157	0.39	2.639	7,597	2,963	0.39	2.750
29	18	6,958	6,332	0.91	2.174	6,390	5,815	0.91	2.307	5,893	5,363	0.91	2.395
29	20	7,313	5,777	0.79	2.262	6,816	5,385	0.79	2.373	6,319	4,992	0.79	2.506
29	22	7,739	5,185	0.67	2.351	7,242	4,852	0.67	2.484	6,745	4,519	0.67	2.573
29	24	8,165	4,491	0.55	2.440	7,668	4,217	0.55	2.551	7,242	3,983	0.55	2.662
29	26	8,591	3,694	0.43	2.529	8,094	3,480	0.43	2.639	7,597	3,267	0.43	2.750
30	18	6,958	6,610	0.95	2.174	6,390	6,071	0.95	2.307	5,893	5,598	0.95	2.395
30	20	7,313	6,070	0.83	2.262	6,816	5,657	0.83	2.373	6,319	5,245	0.83	2.506
30	22	7,739	5,495	0.71	2.351	7,242	5,142	0.71	2.484	6,745	4,789	0.71	2.573
30	24	8,165	4,817	0.59	2.440	7,668	4,524	0.59	2.551	7,242	4,273	0.59	2.662
30	26	8,591	4,038	0.47	2.529	8,094	3,804	0.47	2.639	7,597	3,571	0.47	2.750
31	18	6,958	6,888	0.99	2.174	6,390	6,326	0.99	2.307	5,893	5,834	0.99	2.395
31	20	7,313	6,362	0.87	2.262	6,816	5,930	0.87	2.373	6,319	5,498	0.87	2.506
31	22	7,739	5,804	0.75	2.351	7,242	5,432	0.75	2.484	6,745	5,059	0.75	2.573
31	24	8,165	5,144	0.63	2.440	7,668	4,831	0.63	2.551	7,242	4,562	0.63	2.662
31	26	8,591	4,381	0.51	2.529	8,094	4,128	0.51	2.639	7,597	3,874	0.51	2.750
32	18	6,958	7,167	1.03	2.174	6,390	6,582	1.03	2.307	5,893	6,070	1.03	2.395
32	20	7,313	6,655	0.91	2.262	6,816	6,203	0.91	2.373	6,319	5,750	0.91	2.506
32	22	7,739	6,114	0.79	2.351	7,242	5,721	0.79	2.484	6,745	5,329	0.79	2.573
32	24	8,165	5,471	0.67	2.440	7,668	5,138	0.67	2.551	7,242	4,852	0.67	2.662
32	26	8,591	4,725	0.55	2.529	8,094	4,452	0.55	2.639	7,597	4,178	0.55	2.750

Note: Q : Capacity (W) SHC : Sensible heat capacity (W) D.B. : Dry-bulb temperature
INPUT. : Total power input (kW) SHF : Sensible heat factor W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-SM100EA / SUZ-SA100VA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	11,045	7,290	0.66	2.498	10,575	6,980	0.66	2.622	10,152	6,700	0.66	2.747	9,776	6,452	0.66	2.872
21	20	11,515	6,218	0.54	2.622	11,045	5,964	0.54	2.779	10,716	5,787	0.54	2.841	10,340	5,584	0.54	2.966
22	18	11,045	7,732	0.70	2.498	10,575	7,403	0.70	2.622	10,152	7,106	0.70	2.747	9,776	6,843	0.70	2.872
22	20	11,515	6,679	0.58	2.622	11,045	6,406	0.58	2.779	10,716	6,215	0.58	2.841	10,340	5,997	0.58	2.966
22	22	11,985	5,513	0.46	2.716	11,562	5,319	0.46	2.888	11,280	5,189	0.46	2.966	10,810	4,973	0.46	3.091
23	18	11,045	8,173	0.74	2.498	10,575	7,826	0.74	2.622	10,152	7,512	0.74	2.747	9,776	7,234	0.74	2.872
23	20	11,515	7,139	0.62	2.622	11,045	6,848	0.62	2.779	10,716	6,644	0.62	2.841	10,340	6,411	0.62	2.966
23	22	11,985	5,993	0.50	2.716	11,562	5,781	0.50	2.888	11,280	5,640	0.50	2.966	10,810	5,405	0.50	3.091
24	18	11,045	8,615	0.78	2.498	10,575	8,249	0.78	2.622	10,152	7,919	0.78	2.747	9,776	7,625	0.78	2.872
24	20	11,515	7,600	0.66	2.622	11,045	7,290	0.66	2.779	10,716	7,073	0.66	2.841	10,340	6,824	0.66	2.966
24	22	11,985	6,472	0.54	2.716	11,562	6,243	0.54	2.888	11,280	6,091	0.54	2.966	10,810	5,837	0.54	3.091
24	24	12,596	5,290	0.42	2.841	12,126	5,093	0.42	2.997	11,844	4,974	0.42	3.091	11,468	4,817	0.42	3.247
25	18	11,515	8,061	0.70	2.622	11,045	7,732	0.70	2.779	10,716	7,501	0.70	2.841	10,340	7,238	0.70	2.966
25	20	11,985	6,951	0.58	2.716	11,562	6,706	0.58	2.888	11,280	6,542	0.58	2.966	10,810	6,270	0.58	3.091
25	22	12,596	5,794	0.46	2.841	12,126	5,578	0.46	2.997	11,844	5,448	0.46	3.091	11,468	5,275	0.46	3.247
26	18	11,045	9,499	0.86	2.498	10,575	9,095	0.86	2.622	10,152	8,731	0.86	2.747	9,776	8,407	0.86	2.872
26	20	11,515	8,521	0.74	2.622	11,045	8,173	0.74	2.779	10,716	7,930	0.74	2.841	10,340	7,652	0.74	2.966
26	22	11,985	7,431	0.62	2.716	11,562	7,168	0.62	2.888	11,280	6,994	0.62	2.966	10,810	6,702	0.62	3.091
26	24	12,596	6,298	0.50	2.841	12,126	6,063	0.50	2.997	11,844	5,922	0.50	3.091	11,468	5,734	0.50	3.247
26	26	12,972	4,929	0.38	2.997	12,596	4,786	0.38	3.153	12,408	4,715	0.38	3.247	12,032	4,572	0.38	3.341
27	18	11,045	9,941	0.90	2.498	10,575	9,518	0.90	2.622	10,152	9,137	0.90	2.747	9,776	8,798	0.90	2.872
27	20	11,515	8,982	0.78	2.622	11,045	8,615	0.78	2.779	10,716	8,358	0.78	2.841	10,340	8,065	0.78	2.966
27	22	11,985	7,910	0.66	2.716	11,562	7,631	0.66	2.888	11,280	7,445	0.66	2.966	10,810	7,135	0.66	3.091
27	24	12,596	6,802	0.54	2.841	12,126	6,548	0.54	2.997	11,844	6,396	0.54	3.091	11,468	6,193	0.54	3.247
27	26	12,972	5,448	0.42	2.997	12,596	5,290	0.42	3.153	12,408	5,211	0.42	3.247	12,032	5,053	0.42	3.341
28	18	11,045	10,382	0.94	2.498	10,575	9,941	0.94	2.622	10,152	9,543	0.94	2.747	9,776	9,189	0.94	2.872
28	20	11,515	9,442	0.82	2.622	11,045	9,057	0.82	2.779	10,716	8,787	0.82	2.841	10,340	8,479	0.82	2.966
28	22	11,985	8,390	0.70	2.716	11,562	8,093	0.70	2.888	11,280	7,896	0.70	2.966	10,810	7,567	0.70	3.091
28	24	12,596	7,306	0.58	2.841	12,126	7,033	0.58	2.997	11,844	6,870	0.58	3.091	11,468	6,651	0.58	3.247
28	26	12,972	5,967	0.46	2.997	12,596	5,794	0.46	3.153	12,408	5,708	0.46	3.247	12,032	5,535	0.46	3.341
29	18	11,045	10,824	0.98	2.498	10,575	10,364	0.98	2.622	10,152	9,949	0.98	2.747	9,776	9,580	0.98	2.872
29	20	11,515	9,903	0.86	2.622	11,045	9,499	0.86	2.779	10,716	9,216	0.86	2.841	10,340	8,892	0.86	2.966
29	22	11,985	8,869	0.74	2.716	11,562	8,556	0.74	2.888	11,280	8,347	0.74	2.966	10,810	7,999	0.74	3.091
29	24	12,596	7,810	0.62	2.841	12,126	7,518	0.62	2.997	11,844	7,343	0.62	3.091	11,468	7,110	0.62	3.247
29	26	12,972	6,486	0.50	2.997	12,596	6,298	0.50	3.153	12,408	6,204	0.50	3.247	12,032	6,016	0.50	3.341
30	18	11,045	11,266	1.02	2.498	10,575	10,787	1.02	2.622	10,152	10,355	1.02	2.747	9,776	9,972	1.02	2.872
30	20	11,515	10,364	0.90	2.622	11,045	9,941	0.90	2.779	10,716	9,644	0.90	2.841	10,340	9,306	0.90	2.966
30	22	11,985	9,348	0.78	2.716	11,562	9,018	0.78	2.888	11,280	8,798	0.78	2.966	10,810	8,432	0.78	3.091
30	24	12,596	8,313	0.66	2.841	12,126	8,003	0.66	2.997	11,844	7,817	0.66	3.091	11,468	7,569	0.66	3.247
30	26	12,972	7,005	0.54	2.997	12,596	6,802	0.54	3.153	12,408	6,700	0.54	3.247	12,032	6,497	0.54	3.341
31	18	11,045	11,708	1.06	2.498	10,575	11,210	1.06	2.622	10,152	10,761	1.06	2.747	9,776	10,363	1.06	2.872
31	20	11,515	10,824	0.94	2.622	11,045	10,382	0.94	2.779	10,716	10,073	0.94	2.841	10,340	9,720	0.94	2.966
31	22	11,985	9,828	0.82	2.716	11,562	9,481	0.82	2.888	11,280	9,250	0.82	2.966	10,810	8,864	0.82	3.091
31	24	12,596	8,817	0.70	2.841	12,126	8,488	0.70	2.997	11,844	8,291	0.70	3.091	11,468	8,028	0.70	3.247
31	26	12,972	7,524	0.58	2.997	12,596	7,306	0.58	3.153	12,408	7,197	0.58	3.247	12,032	6,979	0.58	3.341
32	18	11,045	12,150	1.10	2.498	10,575	11,633	1.10	2.622	10,152	11,167	1.10	2.747	9,776	10,754	1.10	2.872
32	20	11,515	11,285	0.98	2.622	11,045	10,824	0.98	2.779	10,716	10,502	0.98	2.841	10,340	10,133	0.98	2.966
32	22	11,985	10,307	0.86	2.716	11,562	9,943	0.86	2.888	11,280	9,701	0.86	2.966	10,810	9,297	0.86	3.091
32	24	12,596	9,321	0.74	2.841	12,126	8,973	0.74	2.997	11,844	8,765	0.74	3.091	11,468	8,486	0.74	3.247
32	26	12,972	8,043	0.62	2.997	12,596	7,810	0.62	3.153	12,408	7,693	0.62	3.247	12,032	7,460	0.62	3.341

Note: Q : Capacity (W) SHC : Sensible heat capacity (W) D.B. : Dry-bulb temperature
INPUT. : Total power input (kW) SHF : Sensible heat factor W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-SM100EA / SUZ-SA100VA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	9,212	6,080	0.66	3.060	8,460	5,584	0.66	3.247	7,802	5,149	0.66	3.372
21	20	9,682	5,228	0.54	3.184	9,024	4,873	0.54	3.341	8,366	4,518	0.54	3.528
22	18	9,212	6,448	0.70	3.060	8,460	5,922	0.70	3.247	7,802	5,461	0.70	3.372
22	20	9,682	5,616	0.58	3.184	9,024	5,234	0.58	3.341	8,366	4,852	0.58	3.528
22	22	10,246	4,713	0.46	3.309	9,588	4,410	0.46	3.497	8,930	4,108	0.46	3.622
23	18	9,212	6,817	0.74	3.060	8,460	6,260	0.74	3.247	7,802	5,773	0.74	3.372
23	20	9,682	6,003	0.62	3.184	9,024	5,595	0.62	3.341	8,366	5,187	0.62	3.528
23	22	10,246	5,123	0.50	3.309	9,588	4,794	0.50	3.497	8,930	4,465	0.50	3.622
24	18	9,212	7,185	0.78	3.060	8,460	6,599	0.78	3.247	7,802	6,086	0.78	3.372
24	20	9,682	6,390	0.66	3.184	9,024	5,956	0.66	3.341	8,366	5,522	0.66	3.528
24	22	10,246	5,533	0.54	3.309	9,588	5,178	0.54	3.497	8,930	4,822	0.54	3.622
24	24	10,810	4,540	0.42	3.434	10,152	4,264	0.42	3.590	9,588	4,027	0.42	3.746
25	18	9,682	6,777	0.70	3.184	9,024	6,317	0.70	3.341	8,366	5,856	0.70	3.528
25	20	10,246	5,943	0.58	3.309	9,588	5,561	0.58	3.497	8,930	5,179	0.58	3.622
25	22	10,810	4,973	0.46	3.434	10,152	4,670	0.46	3.590	9,588	4,410	0.46	3.746
26	18	9,212	7,922	0.86	3.060	8,460	7,276	0.86	3.247	7,802	6,710	0.86	3.372
26	20	9,682	7,165	0.74	3.184	9,024	6,678	0.74	3.341	8,366	6,191	0.74	3.528
26	22	10,246	6,353	0.62	3.309	9,588	5,945	0.62	3.497	8,930	5,537	0.62	3.622
26	24	10,810	5,405	0.50	3.434	10,152	5,076	0.50	3.590	9,588	4,794	0.50	3.746
26	26	11,374	4,322	0.38	3.559	10,716	4,072	0.38	3.715	10,058	3,822	0.38	3.871
27	18	9,212	8,291	0.90	3.060	8,460	7,614	0.90	3.247	7,802	7,022	0.90	3.372
27	20	9,682	7,552	0.78	3.184	9,024	7,039	0.78	3.341	8,366	6,525	0.78	3.528
27	22	10,246	6,762	0.66	3.309	9,588	6,328	0.66	3.497	8,930	5,894	0.66	3.622
27	24	10,810	5,837	0.54	3.434	10,152	5,482	0.54	3.590	9,588	5,178	0.54	3.746
27	26	11,374	4,777	0.42	3.559	10,716	4,501	0.42	3.715	10,058	4,224	0.42	3.871
28	18	9,212	8,659	0.94	3.060	8,460	7,952	0.94	3.247	7,802	7,334	0.94	3.372
28	20	9,682	7,939	0.82	3.184	9,024	7,400	0.82	3.341	8,366	6,860	0.82	3.528
28	22	10,246	7,172	0.70	3.309	9,588	6,712	0.70	3.497	8,930	6,251	0.70	3.622
28	24	10,810	6,270	0.58	3.434	10,152	5,888	0.58	3.590	9,588	5,561	0.58	3.746
28	26	11,374	5,232	0.46	3.559	10,716	4,929	0.46	3.715	10,058	4,627	0.46	3.871
29	18	9,212	9,028	0.98	3.060	8,460	8,291	0.98	3.247	7,802	7,646	0.98	3.372
29	20	9,682	8,327	0.86	3.184	9,024	7,761	0.86	3.341	8,366	7,195	0.86	3.528
29	22	10,246	7,582	0.74	3.309	9,588	7,095	0.74	3.497	8,930	6,608	0.74	3.622
29	24	10,810	6,702	0.62	3.434	10,152	6,294	0.62	3.590	9,588	5,945	0.62	3.746
29	26	11,374	5,687	0.50	3.559	10,716	5,358	0.50	3.715	10,058	5,029	0.50	3.871
30	18	9,212	9,396	1.02	3.060	8,460	8,629	1.02	3.247	7,802	7,958	1.02	3.372
30	20	9,682	8,714	0.90	3.184	9,024	8,122	0.90	3.341	8,366	7,529	0.90	3.528
30	22	10,246	7,992	0.78	3.309	9,588	7,479	0.78	3.497	8,930	6,965	0.78	3.622
30	24	10,810	7,135	0.66	3.434	10,152	6,700	0.66	3.590	9,588	6,328	0.66	3.746
30	26	11,374	6,142	0.54	3.559	10,716	5,787	0.54	3.715	10,058	5,431	0.54	3.871
31	18	9,212	9,765	1.06	3.060	8,460	8,968	1.06	3.247	7,802	8,270	1.06	3.372
31	20	9,682	9,101	0.94	3.184	9,024	8,483	0.94	3.341	8,366	7,864	0.94	3.528
31	22	10,246	8,402	0.82	3.309	9,588	7,862	0.82	3.497	8,930	7,323	0.82	3.622
31	24	10,810	7,567	0.70	3.434	10,152	7,106	0.70	3.590	9,588	6,712	0.70	3.746
31	26	11,374	6,597	0.58	3.559	10,716	6,215	0.58	3.715	10,058	5,834	0.58	3.871
32	18	9,212	10,133	1.10	3.060	8,460	9,306	1.10	3.247	7,802	8,582	1.10	3.372
32	20	9,682	9,488	0.98	3.184	9,024	8,844	0.98	3.341	8,366	8,199	0.98	3.528
32	22	10,246	8,812	0.86	3.309	9,588	8,246	0.86	3.497	8,930	7,680	0.86	3.622
32	24	10,810	7,999	0.74	3.434	10,152	7,512	0.74	3.590	9,588	7,095	0.74	3.746
32	26	11,374	7,052	0.62	3.559	10,716	6,644	0.62	3.715	10,058	6,236	0.62	3.871

Note: Q : Capacity (W) SHC : Sensible heat capacity (W) D.B. : Dry-bulb temperature
INPUT. : Total power input (kW) SHF : Sensible heat factor W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-SM100EA / PUHZ-SP100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,306	6,235	0.67	2.63	9,024	6,046	0.67	2.78	8,742	5,857	0.67	2.94
20	18	9,964	5,480	0.55	2.68	9,682	5,325	0.55	2.83	9,353	5,144	0.55	3.03
20	20	10,716	4,608	0.43	2.76	10,481	4,507	0.43	2.90	10,199	4,386	0.43	3.09
22	16	9,306	6,980	0.75	2.63	9,024	6,768	0.75	2.78	8,742	6,557	0.75	2.94
22	18	9,964	6,277	0.63	2.68	9,682	6,100	0.63	2.83	9,353	5,892	0.63	3.03
22	20	10,716	5,465	0.51	2.76	10,481	5,345	0.51	2.90	10,199	5,201	0.51	3.09
24	16	9,306	7,724	0.83	2.63	9,024	7,490	0.83	2.78	8,742	7,256	0.83	2.94
24	18	9,964	7,074	0.71	2.68	9,682	6,874	0.71	2.83	9,353	6,641	0.71	3.03
24	20	10,716	6,322	0.59	2.76	10,481	6,184	0.59	2.90	10,199	6,017	0.59	3.09
24	22	11,421	5,368	0.47	2.83	11,186	5,257	0.47	2.99	10,904	5,125	0.47	3.19
26	16	9,306	8,468	0.91	2.63	9,024	8,212	0.91	2.78	8,742	7,955	0.91	2.94
26	18	9,964	7,872	0.79	2.68	9,682	7,649	0.79	2.83	9,353	7,389	0.79	3.03
26	20	10,716	7,180	0.67	2.76	10,481	7,022	0.67	2.90	10,199	6,833	0.67	3.09
26	22	11,421	6,282	0.55	2.83	11,186	6,152	0.55	2.99	10,904	5,997	0.55	3.19
27	16	9,306	8,841	0.95	2.63	9,024	8,573	0.95	2.78	8,742	8,305	0.95	2.94
27	18	9,964	8,270	0.83	2.68	9,682	8,036	0.83	2.83	9,353	7,763	0.83	3.03
27	20	10,716	7,608	0.71	2.76	10,481	7,442	0.71	2.90	10,199	7,241	0.71	3.09
27	22	11,421	6,738	0.59	2.83	11,186	6,600	0.59	2.99	10,904	6,433	0.59	3.19
28	16	9,306	9,213	0.99	2.63	9,024	8,934	0.99	2.78	8,742	8,655	0.99	2.94
28	18	9,964	8,669	0.87	2.68	9,682	8,423	0.87	2.83	9,353	8,137	0.87	3.03
28	20	10,716	8,037	0.75	2.76	10,481	7,861	0.75	2.90	10,199	7,649	0.75	3.09
28	22	11,421	7,195	0.63	2.83	11,186	7,047	0.63	2.99	10,904	6,870	0.63	3.19
30	16	9,306	9,306	1.00	2.63	9,024	9,024	1.00	2.78	8,742	8,742	1.00	2.94
30	18	9,964	9,466	0.95	2.68	9,682	9,198	0.95	2.83	9,353	8,885	0.95	3.03
30	20	10,716	8,894	0.83	2.76	10,481	8,699	0.83	2.90	10,199	8,465	0.83	3.09
30	22	11,421	8,109	0.71	2.83	11,186	7,942	0.71	2.99	10,904	7,742	0.71	3.19
32	16	9,306	9,306	1.00	2.63	9,024	9,024	1.00	2.78	8,742	8,742	1.00	2.94
32	18	9,964	9,964	1.00	2.68	9,682	9,682	1.00	2.83	9,353	9,353	1.00	3.03
32	20	10,716	9,752	0.91	2.76	10,481	9,538	0.91	2.90	10,199	9,281	0.91	3.09
32	22	11,421	9,023	0.79	2.83	11,186	8,837	0.79	2.99	10,904	8,614	0.79	3.19
34	16	9,306	9,306	1.00	2.63	9,024	9,024	1.00	2.78	8,742	8,742	1.00	2.94
34	18	9,964	9,964	1.00	2.68	9,682	9,682	1.00	2.83	9,353	9,353	1.00	3.03
34	20	10,716	10,609	0.99	2.76	10,481	10,376	0.99	2.90	10,199	10,097	0.99	3.09
34	22	11,421	9,936	0.87	2.83	11,186	9,732	0.87	2.99	10,904	9,486	0.87	3.19

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,366	5,605	0.67	3.16	7,990	5,353	0.67	3.39	7,614	5,101	0.67	3.67
20	18	9,024	4,963	0.55	3.24	8,742	4,808	0.55	3.49	8,178	4,498	0.55	3.75
20	20	9,776	4,204	0.43	3.32	9,400	4,042	0.43	3.55	8,836	3,799	0.43	3.82
22	16	8,366	6,275	0.75	3.16	7,990	5,993	0.75	3.39	7,614	5,711	0.75	3.67
22	18	9,024	5,685	0.63	3.24	8,742	5,507	0.63	3.49	8,178	5,152	0.63	3.75
22	20	9,776	4,986	0.51	3.32	9,400	4,794	0.51	3.55	8,836	4,506	0.51	3.82
24	16	8,366	6,944	0.83	3.16	7,990	6,632	0.83	3.39	7,614	6,320	0.83	3.67
24	18	9,024	6,407	0.71	3.24	8,742	6,207	0.71	3.49	8,178	5,806	0.71	3.75
24	20	9,776	5,768	0.59	3.32	9,400	5,546	0.59	3.55	8,836	5,213	0.59	3.82
24	22	10,528	4,948	0.47	3.39	10,152	4,771	0.47	3.65	9,588	4,506	0.47	3.88
26	16	8,366	7,613	0.91	3.16	7,990	7,271	0.91	3.39	7,614	6,929	0.91	3.67
26	18	9,024	7,129	0.79	3.24	8,742	6,906	0.79	3.49	8,178	6,461	0.79	3.75
26	20	9,776	6,550	0.67	3.32	9,400	6,298	0.67	3.55	8,836	5,920	0.67	3.82
26	22	10,528	5,790	0.55	3.39	10,152	5,584	0.55	3.65	9,588	5,273	0.55	3.88
27	16	8,366	7,948	0.95	3.16	7,990	7,591	0.95	3.39	7,614	7,233	0.95	3.67
27	18	9,024	7,490	0.83	3.24	8,742	7,256	0.83	3.49	8,178	6,788	0.83	3.75
27	20	9,776	6,941	0.71	3.32	9,400	6,674	0.71	3.55	8,836	6,274	0.71	3.82
27	22	10,528	6,212	0.59	3.39	10,152	5,990	0.59	3.65	9,588	5,657	0.59	3.88
28	16	8,366	8,282	0.99	3.16	7,990	7,910	0.99	3.39	7,614	7,538	0.99	3.67
28	18	9,024	7,851	0.87	3.24	8,742	7,606	0.87	3.49	8,178	7,115	0.87	3.75
28	20	9,776	7,332	0.75	3.32	9,400	7,050	0.75	3.55	8,836	6,627	0.75	3.82
28	22	10,528	6,633	0.63	3.39	10,152	6,396	0.63	3.65	9,588	6,040	0.63	3.88
30	16	8,366	8,366	1.00	3.16	7,990	7,990	1.00	3.39	7,614	7,614	1.00	3.67
30	18	9,024	8,573	0.95	3.24	8,742	8,305	0.95	3.49	8,178	7,769	0.95	3.75
30	20	9,776	8,114	0.83	3.32	9,400	7,802	0.83	3.55	8,836	7,334	0.83	3.82
30	22	10,528	7,475	0.71	3.39	10,152	7,208	0.71	3.65	9,588	6,807	0.71	3.88
32	16	8,366	8,366	1.00	3.16	7,990	7,990	1.00	3.39	7,614	7,614	1.00	3.67
32	18	9,024	9,024	1.00	3.24	8,742	8,742	1.00	3.49	8,178	8,178	1.00	3.75
32	20	9,776	8,896	0.91	3.32	9,400	8,554	0.91	3.55	8,836	8,041	0.91	3.82
32	22	10,528	8,317	0.79	3.39	10,152	8,020	0.79	3.65	9,588	7,575	0.79	3.88
34	16	8,366	8,366	1.00	3.16	7,990	7,990	1.00	3.39	7,614	7,614	1.00	3.67
34	18	9,024	9,024	1.00	3.24	8,742	8,742	1.00	3.49	8,178	8,178	1.00	3.75
34	20	9,776	9,678	0.99	3.32	9,400	9,306	0.99	3.55	8,836	8,748	0.99	3.82
34	22	10,528	9,159	0.87	3.39	10,152	8,832	0.87	3.65	9,588	8,342	0.87	3.88

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-SM125EA / PUHZ-SP125VKA PUHZ-SP125YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	11,979	7,547	0.63	3.39	11,616	7,318	0.63	3.58	11,253	7,089	0.63	3.79
20	18	12,826	6,541	0.51	3.46	12,463	6,356	0.51	3.65	12,040	6,140	0.51	3.90
20	20	13,794	5,380	0.39	3.56	13,492	5,262	0.39	3.73	13,129	5,120	0.39	3.99
22	16	11,979	8,505	0.71	3.39	11,616	8,247	0.71	3.58	11,253	7,990	0.71	3.79
22	18	12,826	7,567	0.59	3.46	12,463	7,353	0.59	3.65	12,040	7,103	0.59	3.90
22	20	13,794	6,483	0.47	3.56	13,492	6,341	0.47	3.73	13,129	6,170	0.47	3.99
24	16	11,979	9,463	0.79	3.39	11,616	9,177	0.79	3.58	11,253	8,890	0.79	3.79
24	18	12,826	8,593	0.67	3.46	12,463	8,350	0.67	3.65	12,040	8,066	0.67	3.90
24	20	13,794	7,587	0.55	3.56	13,492	7,420	0.55	3.73	13,129	7,221	0.55	3.99
24	22	14,702	6,322	0.43	3.65	14,399	6,192	0.43	3.86	14,036	6,035	0.43	4.11
26	16	11,979	10,422	0.87	3.39	11,616	10,106	0.87	3.58	11,253	9,790	0.87	3.79
26	18	12,826	9,620	0.75	3.46	12,463	9,347	0.75	3.65	12,040	9,030	0.75	3.90
26	20	13,794	8,690	0.63	3.56	13,492	8,500	0.63	3.73	13,129	8,271	0.63	3.99
26	22	14,702	7,498	0.51	3.65	14,399	7,343	0.51	3.86	14,036	7,158	0.51	4.11
27	16	11,979	10,901	0.91	3.39	11,616	10,571	0.91	3.58	11,253	10,240	0.91	3.79
27	18	12,826	10,133	0.79	3.46	12,463	9,846	0.79	3.65	12,040	9,511	0.79	3.90
27	20	13,794	9,242	0.67	3.56	13,492	9,039	0.67	3.73	13,129	8,796	0.67	3.99
27	22	14,702	8,086	0.55	3.65	14,399	7,919	0.55	3.86	14,036	7,720	0.55	4.11
28	16	11,979	11,380	0.95	3.39	11,616	11,035	0.95	3.58	11,253	10,690	0.95	3.79
28	18	12,826	10,646	0.83	3.46	12,463	10,344	0.83	3.65	12,040	9,993	0.83	3.90
28	20	13,794	9,794	0.71	3.56	13,492	9,579	0.71	3.73	13,129	9,321	0.71	3.99
28	22	14,702	8,674	0.59	3.65	14,399	8,495	0.59	3.86	14,036	8,281	0.59	4.11
30	16	11,979	11,979	1.00	3.39	11,616	11,616	1.00	3.58	11,253	11,253	1.00	3.79
30	18	12,826	11,672	0.91	3.46	12,463	11,341	0.91	3.65	12,040	10,956	0.91	3.90
30	20	13,794	10,897	0.79	3.56	13,492	10,658	0.79	3.73	13,129	10,372	0.79	3.99
30	22	14,702	9,850	0.67	3.65	14,399	9,647	0.67	3.86	14,036	9,404	0.67	4.11
32	16	11,979	11,979	1.00	3.39	11,616	11,616	1.00	3.58	11,253	11,253	1.00	3.79
32	18	12,826	12,698	0.99	3.46	12,463	12,338	0.99	3.65	12,040	11,919	0.99	3.90
32	20	13,794	12,001	0.87	3.56	13,492	11,738	0.87	3.73	13,129	11,422	0.87	3.99
32	22	14,702	11,026	0.75	3.65	14,399	10,799	0.75	3.86	14,036	10,527	0.75	4.11
34	16	11,979	11,979	1.00	3.39	11,616	11,616	1.00	3.58	11,253	11,253	1.00	3.79
34	18	12,826	12,826	1.00	3.46	12,463	12,463	1.00	3.65	12,040	12,040	1.00	3.90
34	20	13,794	13,104	0.95	3.56	13,492	12,817	0.95	3.73	13,129	12,472	0.95	3.99
34	22	14,702	12,202	0.83	3.65	14,399	11,951	0.83	3.86	14,036	11,650	0.83	4.11

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	10,769	6,784	0.63	4.07	10,285	6,480	0.63	4.37	9,801	6,175	0.63	4.73
20	18	11,616	5,924	0.51	4.18	11,253	5,739	0.51	4.49	10,527	5,369	0.51	4.83
20	20	12,584	4,908	0.39	4.28	12,100	4,719	0.39	4.58	11,374	4,436	0.39	4.92
22	16	10,769	7,646	0.71	4.07	10,285	7,302	0.71	4.37	9,801	6,959	0.71	4.73
22	18	11,616	6,853	0.59	4.18	11,253	6,639	0.59	4.49	10,527	6,211	0.59	4.83
22	20	12,584	5,914	0.47	4.28	12,100	5,687	0.47	4.58	11,374	5,346	0.47	4.92
24	16	10,769	8,508	0.79	4.07	10,285	8,125	0.79	4.37	9,801	7,743	0.79	4.73
24	18	11,616	7,783	0.67	4.18	11,253	7,540	0.67	4.49	10,527	7,053	0.67	4.83
24	20	12,584	6,921	0.55	4.28	12,100	6,655	0.55	4.58	11,374	6,256	0.55	4.92
24	22	13,552	5,827	0.43	4.37	13,068	5,619	0.43	4.71	12,342	5,307	0.43	5.00
26	16	10,769	9,369	0.87	4.07	10,285	8,948	0.87	4.37	9,801	8,527	0.87	4.73
26	18	11,616	8,712	0.75	4.18	11,253	8,440	0.75	4.49	10,527	7,895	0.75	4.83
26	20	12,584	7,928	0.63	4.28	12,100	7,623	0.63	4.58	11,374	7,166	0.63	4.92
26	22	13,552	6,912	0.51	4.37	13,068	6,665	0.51	4.71	12,342	6,294	0.51	5.00
27	16	10,769	9,800	0.91	4.07	10,285	9,359	0.91	4.37	9,801	8,919	0.91	4.73
27	18	11,616	9,177	0.79	4.18	11,253	8,890	0.79	4.49	10,527	8,316	0.79	4.83
27	20	12,584	8,431	0.67	4.28	12,100	8,107	0.67	4.58	11,374	7,621	0.67	4.92
27	22	13,552	7,454	0.55	4.37	13,068	7,187	0.55	4.71	12,342	6,788	0.55	5.00
28	16	10,769	10,231	0.95	4.07	10,285	9,771	0.95	4.37	9,801	9,311	0.95	4.73
28	18	11,616	9,641	0.83	4.18	11,253	9,340	0.83	4.49	10,527	8,737	0.83	4.83
28	20	12,584	8,935	0.71	4.28	12,100	8,591	0.71	4.58	11,374	8,076	0.71	4.92
28	22	13,552	7,996	0.59	4.37	13,068	7,710	0.59	4.71	12,342	7,282	0.59	5.00
30	16	10,769	10,769	1.00	4.07	10,285	10,285	1.00	4.37	9,801	9,801	1.00	4.73
30	18	11,616	10,571	0.91	4.18	11,253	10,240	0.91	4.49	10,527	9,580	0.91	4.83
30	20	12,584	9,941	0.79	4.28	12,100	9,559	0.79	4.58	11,374	8,985	0.79	4.92
30	22	13,552	9,080	0.67	4.37	13,068	8,756	0.67	4.71	12,342	8,269	0.67	5.00
32	16	10,769	10,769	1.00	4.07	10,285	10,285	1.00	4.37	9,801	9,801	1.00	4.73
32	18	11,616	11,500	0.99	4.18	11,253	11,140	0.99	4.49	10,527	10,422	0.99	4.83
32	20	12,584	10,948	0.87	4.28	12,100	10,527	0.87	4.58	11,374	9,895	0.87	4.92
32	22	13,552	10,164	0.75	4.37	13,068	9,801	0.75	4.71	12,342	9,257	0.75	5.00
34	16	10,769	10,769	1.00	4.07	10,285	10,285	1.00	4.37	9,801	9,801	1.00	4.73
34	18	11,616	11,616	1.00	4.18	11,253	11,253	1.00	4.49	10,527	10,527	1.00	4.83
34	20	12,584	11,955	0.95	4.28	12,100	11,495	0.95	4.58	11,374	10,805	0.95	4.92
34	22	13,552	11,248	0.83	4.37	13,068	10,846	0.83	4.71	12,342	10,244	0.83	5.00

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PLA-SM140EA / PUHZ-SP140VKA PUHZ-SP140YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,464	8,078	0.60	4.51	13,056	7,834	0.60	4.77	12,648	7,589	0.60	5.05
20	18	14,416	6,920	0.48	4.60	14,008	6,724	0.48	4.85	13,532	6,495	0.48	5.19
20	20	15,504	5,581	0.36	4.74	15,164	5,459	0.36	4.96	14,756	5,312	0.36	5.30
22	16	13,464	9,156	0.68	4.51	13,056	8,878	0.68	4.77	12,648	8,601	0.68	5.05
22	18	14,416	8,073	0.56	4.60	14,008	7,844	0.56	4.85	13,532	7,578	0.56	5.19
22	20	15,504	6,822	0.44	4.74	15,164	6,672	0.44	4.96	14,756	6,493	0.44	5.30
24	16	13,464	10,233	0.76	4.51	13,056	9,923	0.76	4.77	12,648	9,612	0.76	5.05
24	18	14,416	9,226	0.64	4.60	14,008	8,965	0.64	4.85	13,532	8,660	0.64	5.19
24	20	15,504	8,062	0.52	4.74	15,164	7,885	0.52	4.96	14,756	7,673	0.52	5.30
24	22	16,524	6,610	0.40	4.85	16,184	6,474	0.40	5.13	15,776	6,310	0.40	5.47
26	16	13,464	11,310	0.84	4.51	13,056	10,967	0.84	4.77	12,648	10,624	0.84	5.05
26	18	14,416	10,380	0.72	4.60	14,008	10,086	0.72	4.85	13,532	9,743	0.72	5.19
26	20	15,504	9,302	0.60	4.74	15,164	9,098	0.60	4.96	14,756	8,854	0.60	5.30
26	22	16,524	7,932	0.48	4.85	16,184	7,768	0.48	5.13	15,776	7,572	0.48	5.47
27	16	13,464	11,848	0.88	4.51	13,056	11,489	0.88	4.77	12,648	11,130	0.88	5.05
27	18	14,416	10,956	0.76	4.60	14,008	10,646	0.76	4.85	13,532	10,284	0.76	5.19
27	20	15,504	9,923	0.64	4.74	15,164	9,705	0.64	4.96	14,756	9,444	0.64	5.30
27	22	16,524	8,592	0.52	4.85	16,184	8,416	0.52	5.13	15,776	8,204	0.52	5.47
28	16	13,464	12,387	0.92	4.51	13,056	12,012	0.92	4.77	12,648	11,636	0.92	5.05
28	18	14,416	11,533	0.80	4.60	14,008	11,206	0.80	4.85	13,532	10,826	0.80	5.19
28	20	15,504	10,543	0.68	4.74	15,164	10,312	0.68	4.96	14,756	10,034	0.68	5.30
28	22	16,524	9,253	0.56	4.85	16,184	9,063	0.56	5.13	15,776	8,835	0.56	5.47
30	16	13,464	13,464	1.00	4.51	13,056	13,056	1.00	4.77	12,648	12,648	1.00	5.05
30	18	14,416	12,686	0.88	4.60	14,008	12,327	0.88	4.85	13,532	11,908	0.88	5.19
30	20	15,504	11,783	0.76	4.74	15,164	11,525	0.76	4.96	14,756	11,215	0.76	5.30
30	22	16,524	10,575	0.64	4.85	16,184	10,358	0.64	5.13	15,776	10,097	0.64	5.47
32	16	13,464	13,464	1.00	4.51	13,056	13,056	1.00	4.77	12,648	12,648	1.00	5.05
32	18	14,416	13,839	0.96	4.60	14,008	13,448	0.96	4.85	13,532	12,991	0.96	5.19
32	20	15,504	13,023	0.84	4.74	15,164	12,738	0.84	4.96	14,756	12,395	0.84	5.30
32	22	16,524	11,897	0.72	4.85	16,184	11,652	0.72	5.13	15,776	11,359	0.72	5.47
34	16	13,464	13,464	1.00	4.51	13,056	13,056	1.00	4.77	12,648	12,648	1.00	5.05
34	18	14,416	14,416	1.00	4.60	14,008	14,008	1.00	4.85	13,532	13,532	1.00	5.19
34	20	15,504	14,264	0.92	4.74	15,164	13,951	0.92	4.96	14,756	13,576	0.92	5.30
34	22	16,524	13,219	0.80	4.85	16,184	12,947	0.80	5.13	15,776	12,621	0.80	5.47

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	12,104	7,262	0.60	5.41	11,560	6,936	0.60	5.81	11,016	6,610	0.60	6.29
20	18	13,056	6,267	0.48	5.56	12,648	6,071	0.48	5.98	11,832	5,679	0.48	6.43
20	20	14,144	5,092	0.36	5.70	13,600	4,896	0.36	6.09	12,784	4,602	0.36	6.54
22	16	12,104	8,231	0.68	5.41	11,560	7,861	0.68	5.81	11,016	7,491	0.68	6.29
22	18	13,056	7,311	0.56	5.56	12,648	7,083	0.56	5.98	11,832	6,626	0.56	6.43
22	20	14,144	6,223	0.44	5.70	13,600	5,984	0.44	6.09	12,784	5,625	0.44	6.54
24	16	12,104	9,199	0.76	5.41	11,560	8,786	0.76	5.81	11,016	8,372	0.76	6.29
24	18	13,056	8,356	0.64	5.56	12,648	8,095	0.64	5.98	11,832	7,572	0.64	6.43
24	20	14,144	7,355	0.52	5.70	13,600	7,072	0.52	6.09	12,784	6,648	0.52	6.54
24	22	15,232	6,093	0.40	5.81	14,688	5,875	0.40	6.26	13,872	5,549	0.40	6.66
26	16	12,104	10,167	0.84	5.41	11,560	9,710	0.84	5.81	11,016	9,253	0.84	6.29
26	18	13,056	9,400	0.72	5.56	12,648	9,107	0.72	5.98	11,832	8,519	0.72	6.43
26	20	14,144	8,486	0.60	5.70	13,600	8,160	0.60	6.09	12,784	7,670	0.60	6.54
26	22	15,232	7,311	0.48	5.81	14,688	7,050	0.48	6.26	13,872	6,659	0.48	6.66
27	16	12,104	10,652	0.88	5.41	11,560	10,173	0.88	5.81	11,016	9,694	0.88	6.29
27	18	13,056	9,923	0.76	5.56	12,648	9,612	0.76	5.98	11,832	8,992	0.76	6.43
27	20	14,144	9,052	0.64	5.70	13,600	8,704	0.64	6.09	12,784	8,182	0.64	6.54
27	22	15,232	7,921	0.52	5.81	14,688	7,638	0.52	6.26	13,872	7,213	0.52	6.66
28	16	12,104	11,136	0.92	5.41	11,560	10,635	0.92	5.81	11,016	10,135	0.92	6.29
28	18	13,056	10,445	0.80	5.56	12,648	10,118	0.80	5.98	11,832	9,466	0.80	6.43
28	20	14,144	9,618	0.68	5.70	13,600	9,248	0.68	6.09	12,784	8,693	0.68	6.54
28	22	15,232	8,530	0.56	5.81	14,688	8,225	0.56	6.26	13,872	7,768	0.56	6.66
30	16	12,104	12,104	1.00	5.41	11,560	11,560	1.00	5.81	11,016	11,016	1.00	6.29
30	18	13,056	11,489	0.88	5.56	12,648	11,130	0.88	5.98	11,832	10,412	0.88	6.43
30	20	14,144	10,749	0.76	5.70	13,600	10,336	0.76	6.09	12,784	9,716	0.76	6.54
30	22	15,232	9,748	0.64	5.81	14,688	9,400	0.64	6.26	13,872	8,878	0.64	6.66
32	16	12,104	12,104	1.00	5.41	11,560	11,560	1.00	5.81	11,016	11,016	1.00	6.29
32	18	13,056	12,534	0.96	5.56	12,648	12,142	0.96	5.98	11,832	11,359	0.96	6.43
32	20	14,144	11,881	0.84	5.70	13,600	11,424	0.84	6.09	12,784	10,739	0.84	6.54
32	22	15,232	10,967	0.72	5.81	14,688	10,575	0.72	6.26	13,872	9,988	0.72	6.66
34	16	12,104	12,104	1.00	5.41	11,560	11,560	1.00	5.81	11,016	11,016	1.00	6.29
34	18	13,056	13,056	1.00	5.56	12,648	12,648	1.00	5.98	11,832	11,832	1.00	6.43
34	20	14,144	13,012	0.92	5.70	13,600	12,512	0.92	6.09	12,784	11,761	0.92	6.54
34	22	15,232	12,186	0.80	5.81	14,688	11,750	0.80	6.26	13,872	11,098	0.80	6.66

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

HEATING CAPACITY
PLA-ZM·EA / PUHZ-SHW·VHA(-BS) PUHZ-SHW·YHA(-BS)

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PLA-ZM100EA	15	11,648	4.59	11,648	4.41	11,648	3.44	11,648	2.51	12,768	2.72	14,112	2.89
	20	11,200	4.75	11,200	4.37	11,200	3.63	11,200	2.69	12,320	2.88	13,608	3.11
	25	10,752	4.91	10,752	4.53	10,752	3.79	10,752	2.88	11,872	3.09	13,160	3.36
PLA-ZM125EA	15	14,560	6.88	14,560	6.32	14,560	5.16	14,560	3.76	15,960	4.08	17,640	4.34
	20	14,000	7.12	14,000	6.56	14,000	5.44	14,000	4.04	15,400	4.32	17,010	4.66
	25	13,440	7.36	13,440	6.80	13,440	5.68	13,440	4.32	14,840	4.64	16,450	5.04

Note: CA : Capacity (W) P.C. : Total power input (kW)

HEATING CAPACITY
PLA-M·EA / PUHZ-SHW·VHA(-BS) PUHZ-SHW·YHA(-BS)

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PLA-M100EA	15	11,648	4.80	11,648	4.41	11,648	3.60	11,648	2.63	12,768	2.85	14,112	3.03
	20	11,200	4.97	11,200	4.58	11,200	3.80	11,200	2.82	12,320	3.02	13,608	3.25
	25	10,752	5.14	10,752	4.75	10,752	3.97	10,752	3.02	11,872	3.24	13,160	3.52
PLA-M125EA	15	14,560	6.88	14,560	6.32	14,560	5.16	14,560	3.76	15,960	4.08	17,640	4.34
	20	14,000	7.12	14,000	6.56	14,000	5.44	14,000	4.04	15,400	4.32	17,010	4.66
	25	13,440	7.36	13,440	6.80	13,440	5.68	13,440	4.32	14,840	4.64	16,450	5.04

Note: CA : Capacity (W) P.C. : Total power input (kW)

HEATING CAPACITY
PLA-ZM·EA / PUHZ-ZRP·VKA2(3) PUHZ-ZRP·VHA2 PUHZ-ZRP·YKA3

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PLA-ZM35EA	15	2,604	0.50	2,829	0.55	3,157	0.64	4,141	0.77	4,674	0.85	5,207	0.92
	20	2,501	0.54	2,706	0.60	2,993	0.69	3,998	0.82	4,510	0.92	5,023	0.99
	25	2,419	0.58	2,624	0.65	2,870	0.75	3,772	0.88	4,346	0.98	4,838	1.06
PLA-ZM50EA	15	3,810	0.91	4,140	1.01	4,620	1.16	6,060	1.40	6,840	1.55	7,620	1.67
	20	3,660	0.99	3,960	1.09	4,380	1.26	5,850	1.50	6,600	1.67	7,350	1.80
	25	3,540	1.05	3,840	1.18	4,200	1.36	5,520	1.60	6,360	1.79	7,080	1.93
PLA-ZM60EA	15	4,445	1.12	4,830	1.23	5,390	1.42	7,070	1.70	7,980	1.89	8,890	2.04
	20	4,270	1.21	4,620	1.32	5,110	1.53	6,825	1.83	7,700	2.04	8,575	2.19
	25	4,130	1.29	4,480	1.44	4,900	1.66	6,440	1.95	7,420	2.18	8,260	2.35
PLA-ZM71EA	15	5,080	1.12	5,520	1.24	6,160	1.43	8,080	1.71	9,120	1.90	10,160	2.05
	20	4,880	1.22	5,280	1.33	5,840	1.54	7,800	1.84	8,800	2.05	9,800	2.20
	25	4,720	1.29	5,120	1.44	5,600	1.67	7,360	1.96	8,480	2.19	9,440	2.37
PLA-ZM100EA	15	7,112	1.53	7,728	1.69	8,624	1.95	11,312	2.34	12,768	2.60	14,224	2.81
	20	6,832	1.66	7,392	1.82	8,176	2.11	10,920	2.52	12,320	2.81	13,720	3.02
	25	6,608	1.77	7,168	1.98	7,840	2.29	10,304	2.68	11,872	3.00	13,216	3.24
PLA-ZM125EA	15	8,890	2.17	9,660	2.39	10,780	2.75	14,140	3.30	15,960	3.67	17,780	3.96
	20	8,540	2.35	9,240	2.57	10,220	2.97	13,650	3.56	15,400	3.96	17,150	4.26
	25	8,260	2.50	8,960	2.79	9,800	3.23	12,880	3.78	14,840	4.24	16,520	4.57
PLA-ZM140EA	15	10,160	2.86	11,040	3.15	12,320	3.63	16,160	4.36	18,240	4.84	20,320	5.23
	20	9,760	3.10	10,560	3.39	11,680	3.92	15,600	4.69	17,600	5.23	19,600	5.61
	25	9,440	3.29	10,240	3.68	11,200	4.26	14,720	4.99	16,960	5.59	18,880	6.03

Note: CA : Capacity (W) P.C. : Total power input (kW)

HEATING CAPACITY
PLA-ZM71EA / PUHZ-FRP71VHA2

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PLA-ZM71EA	15	5,080	1.24	5,520	1.37	6,160	1.58	8,080	1.90	9,120	2.11	10,160	2.28
	20	4,880	1.35	5,280	1.48	5,840	1.71	7,800	2.05	8,800	2.28	9,800	2.45
	25	4,720	1.43	5,120	1.60	5,600	1.86	7,360	2.17	8,480	2.44	9,440	2.63

Note: CA : Capacity (W) P.C. : Total power input (kW)

HEATING CAPACITY
PLA-M·EA / PUHZ-ZRP·VKA2(3) PUHZ-ZRP·VHA2 PUHZ-ZRP·YKA3

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PLA-M35EA	15	2,604	0.54	2,829	0.60	3,157	0.69	4,141	0.83	4,674	0.92	5,207	0.99
	20	2,501	0.59	2,706	0.64	2,993	0.75	3,998	0.89	4,510	0.99	5,023	1.07
	25	2,419	0.63	2,624	0.70	2,870	0.81	3,772	0.95	4,346	1.06	4,838	1.15
PLA-M50EA	15	3,810	1.07	4,140	1.18	4,620	1.36	6,060	1.63	6,840	1.81	7,620	1.95
	20	3,660	1.16	3,960	1.27	4,380	1.47	5,850	1.76	6,600	1.95	7,350	2.10
	25	3,540	1.23	3,840	1.38	4,200	1.59	5,520	1.86	6,360	2.09	7,080	2.25
PLA-M60EA	15	4,445	1.22	4,830	1.35	5,390	1.55	7,070	1.86	7,980	2.07	8,890	2.24
	20	4,270	1.32	4,620	1.45	5,110	1.68	6,825	2.01	7,700	2.24	8,575	2.40
	25	4,130	1.41	4,480	1.57	4,900	1.82	6,440	2.13	7,420	2.39	8,260	2.58
PLA-M71EA	15	5,080	1.24	5,520	1.37	6,160	1.58	8,080	1.90	9,120	2.11	10,160	2.28
	20	4,880	1.35	5,280	1.48	5,840	1.71	7,800	2.05	8,800	2.28	9,800	2.45
	25	4,720	1.43	5,120	1.60	5,600	1.86	7,360	2.17	8,480	2.44	9,440	2.63
PLA-M100EA	15	7,112	1.59	7,728	1.75	8,624	2.02	11,312	2.42	12,768	2.69	14,224	2.91
	20	6,832	1.72	7,392	1.88	8,176	2.18	10,920	2.61	12,320	2.91	13,720	3.12
	25	6,608	1.83	7,168	2.04	7,840	2.37	10,304	2.77	11,872	3.11	13,216	3.35
PLA-M125EA	15	8,890	2.22	9,660	2.45	10,780	2.83	14,140	3.39	15,960	3.77	17,780	4.07
	20	8,540	2.41	9,240	2.64	10,220	3.05	13,650	3.66	15,400	4.07	17,150	4.37
	25	8,260	2.56	8,960	2.87	9,800	3.32	12,880	3.88	14,840	4.35	16,520	4.69
PLA-M140EA	15	10,160	2.89	11,040	3.19	12,320	3.68	16,160	4.41	18,240	4.90	20,320	5.29
	20	9,760	3.14	10,560	3.43	11,680	3.97	15,600	4.75	17,600	5.29	19,600	5.68
		9,440	3.33	10,240	3.72	11,200	4.31	14,720	5.05	16,960	5.66	18,880	6.10

Note: CA : Capacity (W) P.C. : Total power input (kW)

HEATING CAPACITY
PLA-M·EA / SUZ-KA·VA6

	Indoor intake air DB°C	Outdoor intake air WB°C															
		-20		-10		-5		0		5		10		15		20	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.				
PLA-M35EA	15	2,050	0.52	2,583	0.650	3,116	0.780	3,649	0.880	4,182	0.950	4,715	1.010	5,207	1.040	5,740	1.060
	20	1,927	0.55	2,460	0.700	2,952	0.830	3,485	0.920	3,977	0.990	4,510	1.040	5,002	1.070	5,515	1.110
	25	1,681	0.60	2,214	0.750	2,747	0.880	3,239	0.970	3,772	1.040	4,305	1.090	4,797	1.120	5,330	1.150
PLA-M50EA	15	2,900	0.879	3,654	1.099	4,408	1.318	5,162	1.487	5,916	1.606	6,670	1.707	7,366	1.758	8,120	1.791
	20	2,726	0.936	3,480	1.183	4,176	1.403	4,930	1.555	5,626	1.673	6,380	1.758	7,076	1.808	7,801	1.876
	25	2,378	1.014	3,132	1.268	3,886	1.487	4,582	1.639	5,336	1.758	6,090	1.842	6,786	1.893	7,540	1.944
PLA-M60EA	15	3,450	1.024	4,347	1.281	5,244	1.537	6,141	1.734	7,038	1.872	7,935	1.990	8,763	2.049	9,660	2.088
	20	3,243	1.091	4,140	1.379	4,968	1.635	5,865	1.812	6,693	1.950	7,590	2.049	8,418	2.108	9,281	2.187
	25	2,829	1.182	3,726	1.478	4,623	1.734	5,451	1.911	6,348	2.049	7,245	2.147	8,073	2.206	8,970	2.266
PLA-M71EA	15	4,000	1.165	5,040	1.456	6,080	1.747	7,120	1.971	8,160	2.128	9,200	2.262	10,160	2.330	11,200	2.374
	20	3,760	1.241	4,800	1.568	5,760	1.859	6,800	2.061	7,760	2.218	8,800	2.330	9,760	2.397	10,760	2.486
	25	3,280	1.344	4,320	1.680	5,360	1.971	6,320	2.173	7,360	2.330	8,400	2.442	9,360	2.509	10,400	2.576

Note: CA : Capacity (W) P.C. : Total power input (kW)

HEATING CAPACITY
PLA-M·EA / PUHZ-P·VKA PUHZ-P·YKA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PLA-M100EA	15	7,112	1.92	7,728	2.12	8,624	2.45	11,312	2.93	12,768	3.26	14,224	3.52
	20	6,832	2.09	7,392	2.28	8,176	2.64	10,920	3.16	12,320	3.52	13,720	3.78
	25	6,608	2.22	7,168	2.48	7,840	2.87	10,304	3.36	11,872	3.77	13,216	4.06
PLA-M125EA	15	8,573	2.27	9,315	2.50	10,395	2.88	13,635	3.46	15,390	3.84	17,145	4.15
	20	8,235	2.46	8,910	2.69	9,855	3.11	13,163	3.72	14,850	4.15	16,538	4.45
	25	7,965	2.61	8,640	2.92	9,450	3.38	12,420	3.96	14,310	4.44	15,930	4.78
PLA-M140EA	15	9,525	2.76	10,350	3.04	11,550	3.50	15,150	4.20	17,100	4.67	19,050	5.04
	20	9,150	2.99	9,900	3.27	10,950	3.78	14,625	4.53	16,500	5.04	18,375	5.42
	25	8,850	3.18	9,600	3.55	10,500	4.11	13,800	4.81	15,900	5.39	17,700	5.81

Note: CA : Capacity (W) P.C. : Total power input (kW)

HEATING CAPACITY
PLA-SM·EA / SUZ-SA·VA2(3)

	Indoor intake air DB°C	Outdoor intake air WB°C															
		-15		-10		-5		0		5		10		15		20	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PLA-SM71EA	15	4,000	1.295	5,040	1.619	6,080	1.942	7,120	2.191	8,160	2.366	9,200	2.515	10,160	2.590	11,200	2.639
	20	3,760	1.379	4,800	1.743	5,760	2.067	6,800	2.291	7,760	2.465	8,800	2.590	9,760	2.664	10,760	2.764
	25	3,280	1.494	4,320	1.868	5,360	2.191	6,320	2.415	7,360	2.590	8,400	2.714	9,360	2.789	10,400	2.864
PLA-SM100EA	15	5,600	1.810	7,056	2.262	8,512	2.714	9,968	3.062	11,424	3.306	12,880	3.515	14,224	3.619	15,680	3.689
	20	5,264	1.928	6,720	2.436	8,064	2.888	9,520	3.202	10,864	3.445	12,320	3.619	13,664	3.724	15,064	3.863
	25	4,592	2.088	6,048	2.610	7,504	3.062	8,848	3.376	10,304	3.619	11,760	3.793	13,104	3.898	14,560	4.002

Note: CA : Capacity (W) P.C. : Total power input (kW)

HEATING CAPACITY
PLA-SM·EA / PUHZ-SP·VKA PUHZ-SP·YKA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PLA-SM100EA	15	7,112	2.05	7,728	2.26	8,624	2.61	11,312	3.13	12,768	3.48	14,224	3.76
	20	6,832	2.23	7,392	2.44	8,176	2.82	10,920	3.38	12,320	3.76	13,720	4.04
	25	6,608	2.37	7,168	2.64	7,840	3.06	10,304	3.58	11,872	4.02	13,216	4.33
PLA-SM125EA	15	8,573	2.33	9,315	2.57	10,395	2.96	13,635	3.56	15,390	3.95	17,145	4.27
	20	8,235	2.53	8,910	2.77	9,855	3.20	13,163	3.83	14,850	4.27	16,538	4.58
	25	7,965	2.69	8,640	3.00	9,450	3.48	12,420	4.07	14,310	4.56	15,930	4.92
PLA-SM140EA	15	9,525	2.84	10,350	3.13	11,550	3.62	15,150	4.34	17,100	4.82	19,050	5.21
	20	9,150	3.08	9,900	3.37	10,950	3.90	14,625	4.68	16,500	5.21	18,375	5.59
	25	8,850	3.28	9,600	3.66	10,500	4.24	13,800	4.96	15,900	5.57	17,700	6.00

Note: CA : Capacity (W) P.C. : Total power input (kW)

A.1.6 FRESH AIR INTAKE AND BRANCH DUCT

1. Branch duct hole and fresh air intake hole (Fig. 1)

At the time of installation, use the duct holes (cut out) locatedat the positions shown in Fig.1, as and when required.
• A fresh air intake hole for the optional multi function casement can also be made.

Note:
The figure marked with * in the drawing represent the dimensions of the main unit excluding those of the optional multi function casement.
When installing the optional multi function casement, add 135 mm to the dimensions marked on the figure.
When installing the branch ducts, be sure to insulate adequately.
Otherwise condensation and dripping may occur.

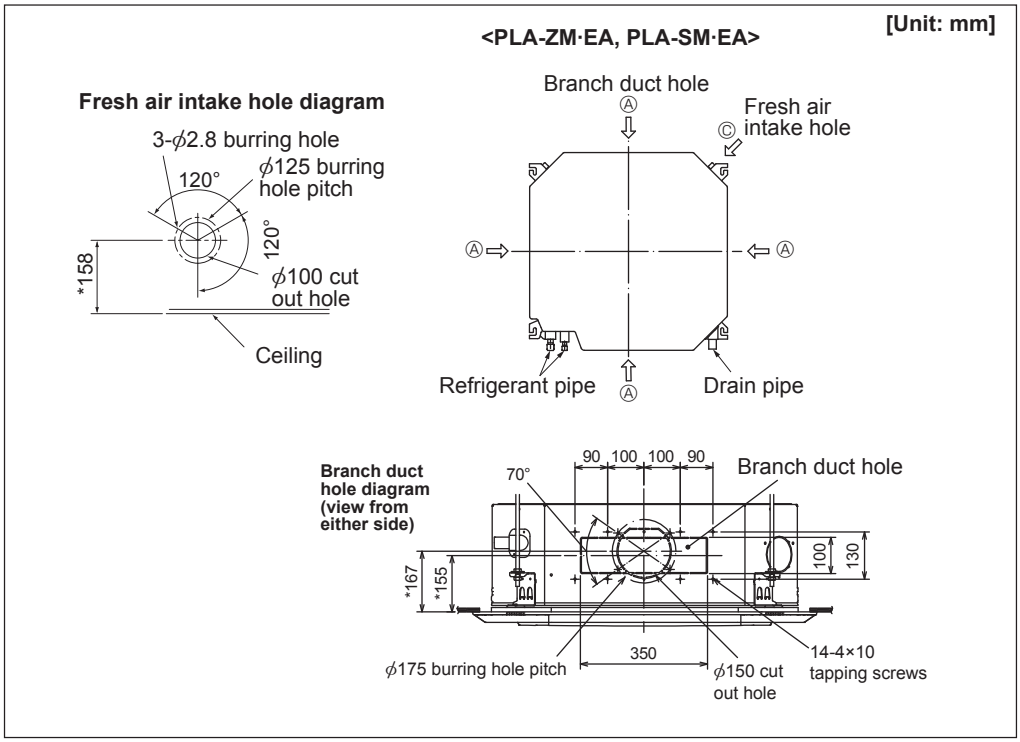
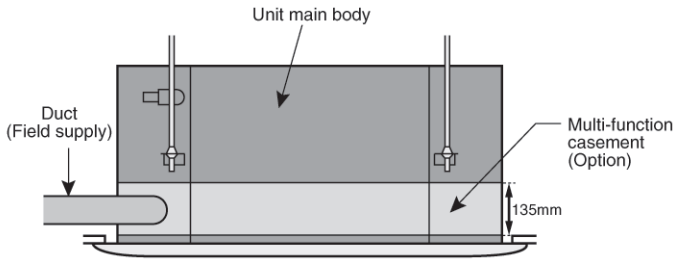


Fig. 1

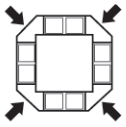
2. Fresh air intake (Installation at site)

- By mounting the optional multi-function casement to the indoor unit main body, and mounting the duct and duct flange (option) onto it further, fresh exterior air intake can be accomplished.
  (The mounting of the multi-function casement increases the height of the ceiling plenum by 135mm.)

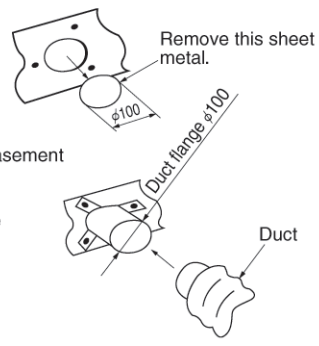


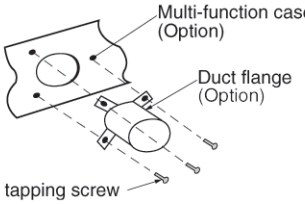
Direct exterior air intake into the main body is also possible.

Knockout hole for fresh air intake



Preparation of knockout hole

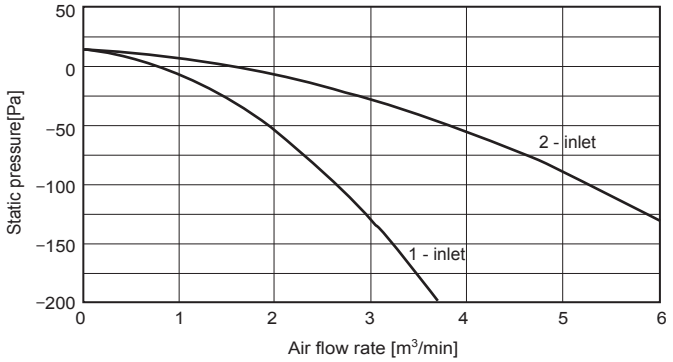




3. Fresh air intake volume & static pressure characteristics

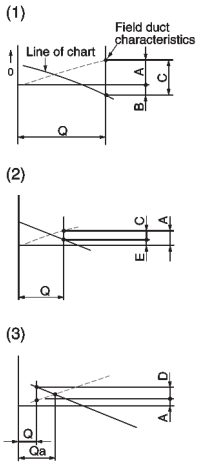
PLA-ZM35EA PLA-ZM50EA PLA-ZM60EA

① At using multi-function casement, standard filter



*The air flow amount from the fresh air intake should be 20% or less of the whole air flow.

How to read the chart



Q .... Design fresh air intake volume (m³/min)

A ..... Static pressure loss [Pa] of fesh air intake duct at air flow rate of Q

B ..... Required boost pressure [Pa] of air conditioner inlet at air flow rate of Q

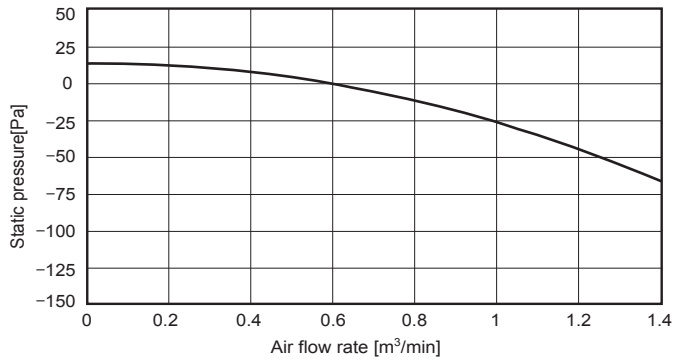
C ..... Required static pressure [Pa] of booster fan at air flow rate of Q

D ..... Required compensation [Pa] for static prssure loss of fresh air intake duct to make air flow rate Q

E ..... Static pressure [Pa] of indoor unit at air flow rate of Q

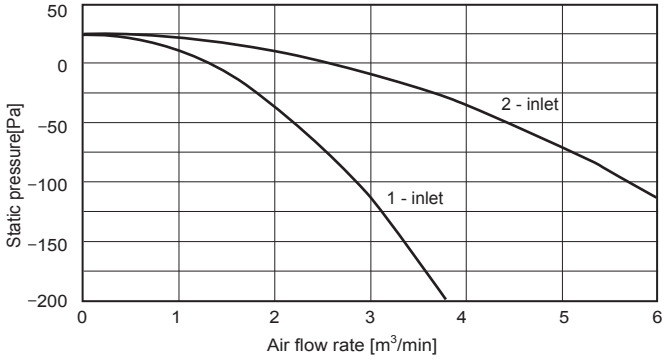
Qa .. Estimated fresh air intake [m³/min] without compensation of D

② Direct intake to unit



*The air flow amount from the fresh air intake should be 5% or less of the whole air flow.

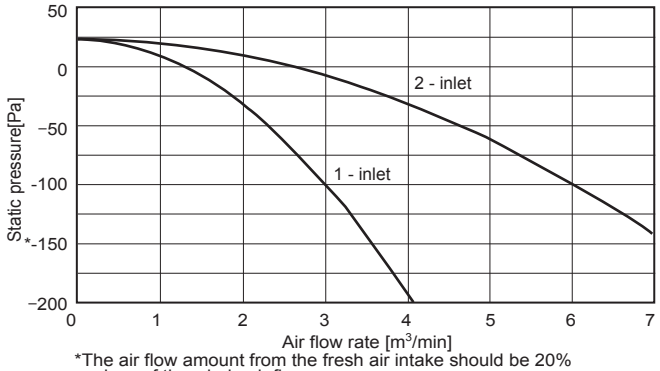
③ At using multi-function casement, high efficiency filter



*The air flow amount from the fresh air intake should be 20% or less of the whole air flow.

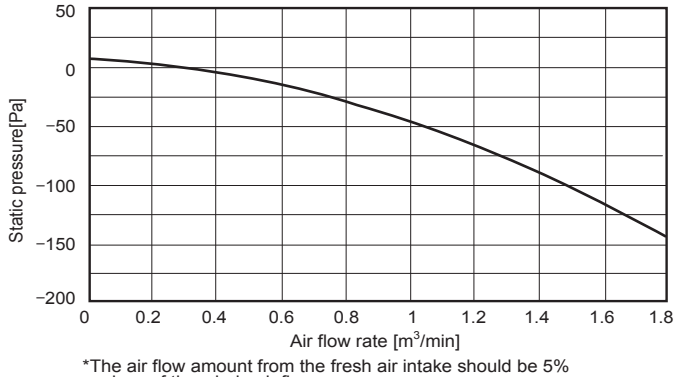
PLA-ZM71EA PLA-ZM100EA PLA-ZM125EA PLA-ZM140EA

① At using multi-function casement, standard filter



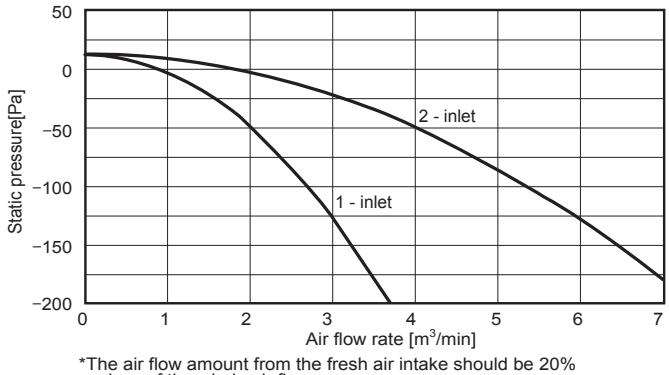
*The air flow amount from the fresh air intake should be 20% or less of the whole air flow.

② Direct intake to unit



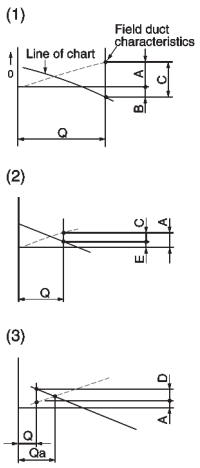
*The air flow amount from the fresh air intake should be 5% or less of the whole air flow.

③ At using multi-function casement, high efficiency filter



*The air flow amount from the fresh air intake should be 20% or less of the whole air flow.

How to read the chart



Q .... Design fresh air intake volume (m³/min)

A ..... Static pressure loss [Pa] of fesh air intake duct at air flow rate of Q

B ..... Required boost pressure [Pa] of air conditioner inlet at air flow rate of Q

C ..... Required static pressure [Pa] of booster fan at air flow rate of Q

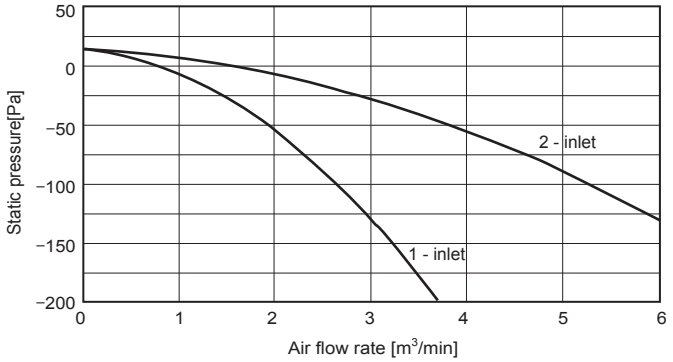
D ..... Required compensation [Pa] for static prssure loss of fresh air intake duct to make air flow rate Q

E ..... Static pressure [Pa] of indoor unit at air flow rate of Q

Qa .. Estimated fresh air intake [m³/min] without compensation of D

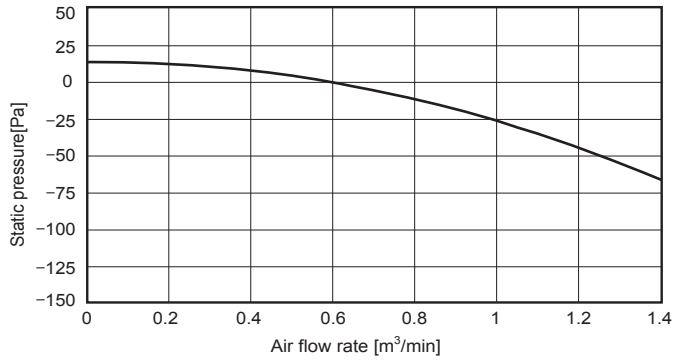
PLA-M35EA PLA-M50EA PLA-M60EA PLA-M71EA PLA-SM71EA

① At using multi-function casement, standard filter



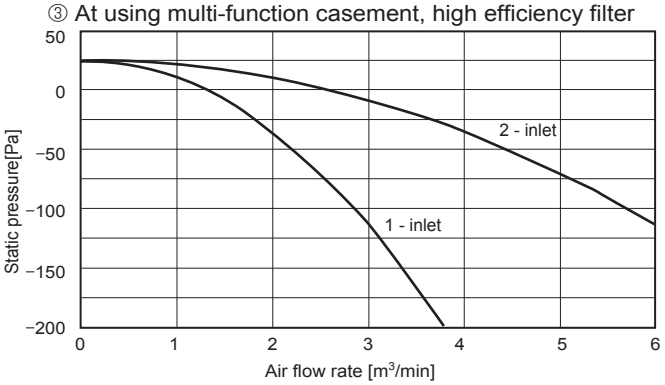
*The air flow amount from the fresh air intake should be 20% or less of the whole air flow.

② Direct intake to unit



*The air flow amount from the fresh air intake should be 5% or less of the whole air flow.

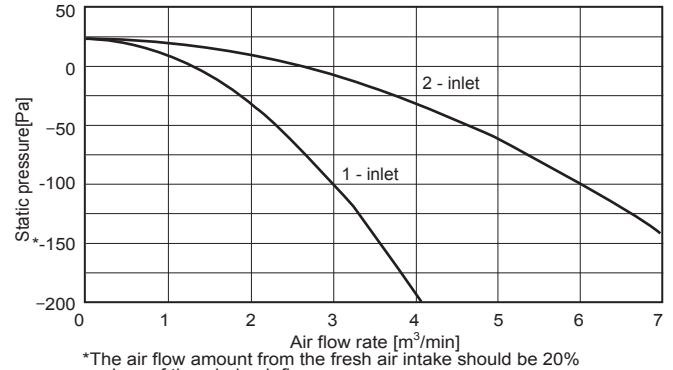
③ At using multi-function casement, high efficiency filter



*The air flow amount from the fresh air intake should be 20% or less of the whole air flow.

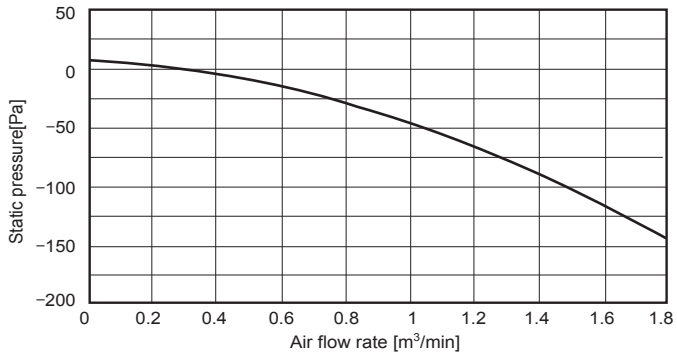
PLA-M100EA PLA-M125EA PLA-M140EA PLA-SM100EA PLA-SM125EA PLA-SM140EA

① At using multi-function casement, standard filter



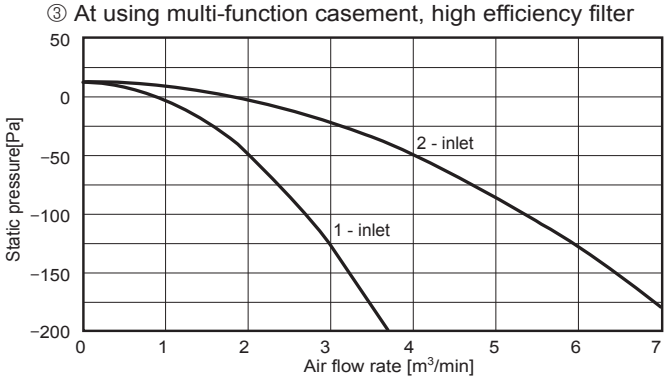
*The air flow amount from the fresh air intake should be 20% or less of the whole air flow.

② Direct intake to unit



*The air flow amount from the fresh air intake should be 5% or less of the whole air flow.

③ At using multi-function casement, high efficiency filter



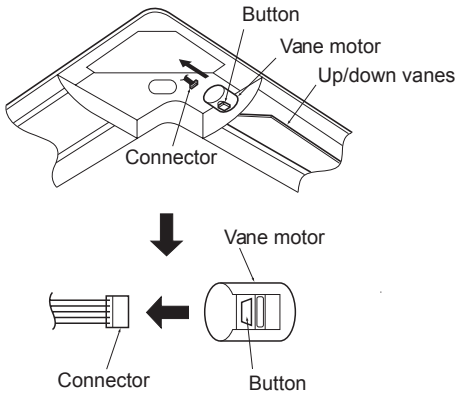
*The air flow amount from the fresh air intake should be 20% or less of the whole air flow.

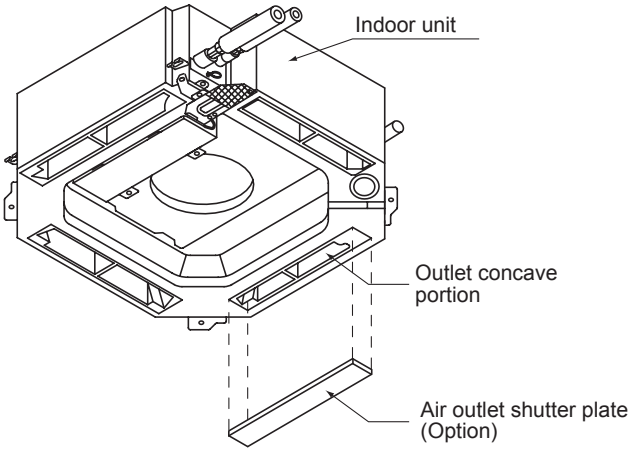
4. Change of outlet numbers

[The optional air outlet shutter is necessary.]

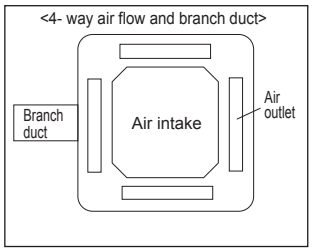
To change the air outlet numbers to 3-, or 2-way outlet, the outlets should be closed with the optional air outlet shutter.)

(When the air outlets are closed, close the vane by removing the vane connector.)

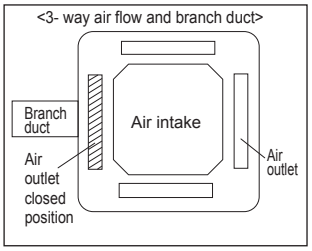




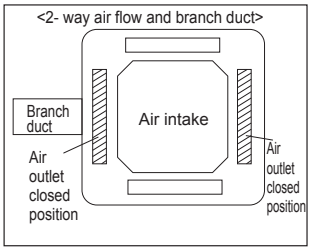
5. Branch duct and change of outlet numbers



※ Branch duct should be connected to one of the branch duct holes on the main unit.



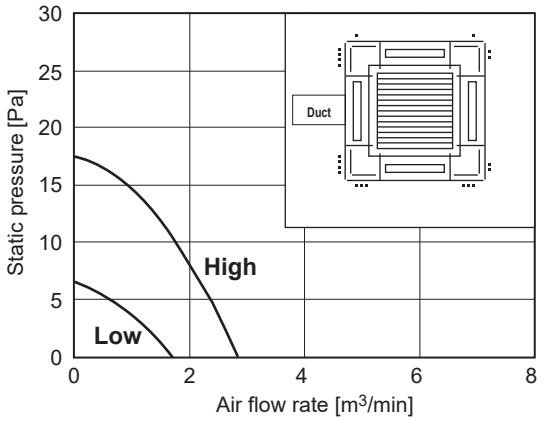
※ Close the outlet on the side of branch duct and air flows in 3 directions.



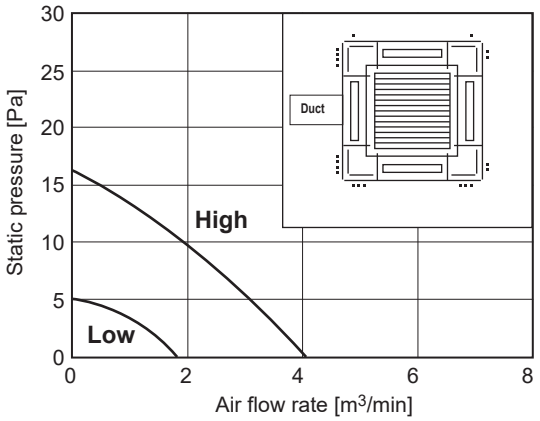
※ The outlet on the side of branch duct and one of the other outlets are closed.
Air flow in 2 directions.

PLA-ZM71EA

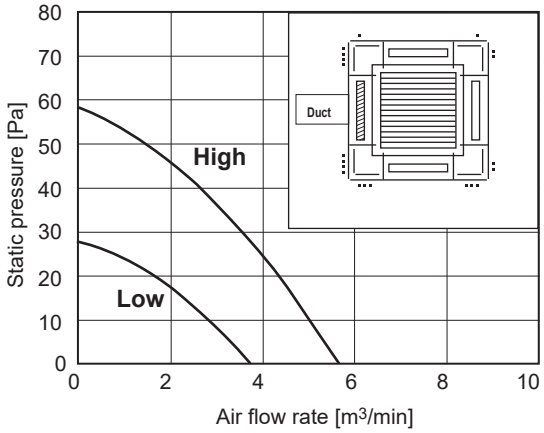
●4-way air flow (horizontal vane) Round duct



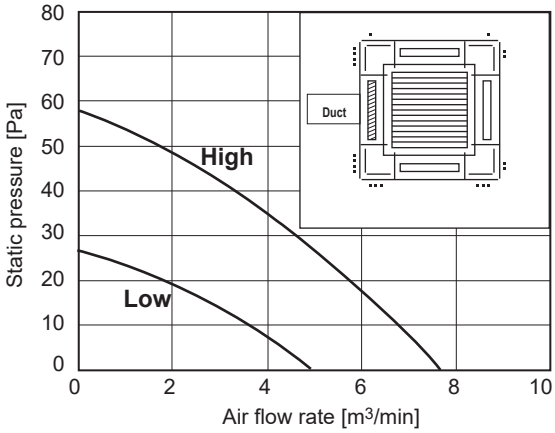
●4-way air flow (horizontal vane) Rectangular duct



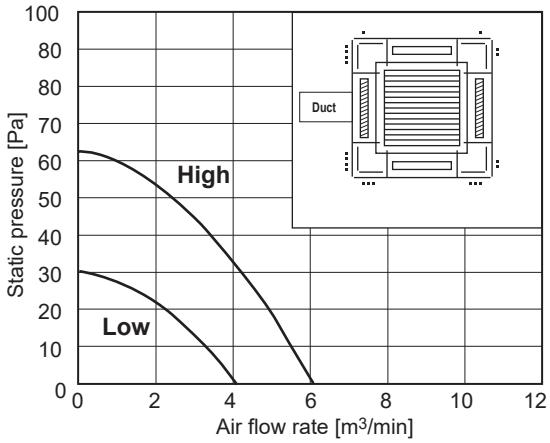
●3-way air flow (horizontal vane) Round duct



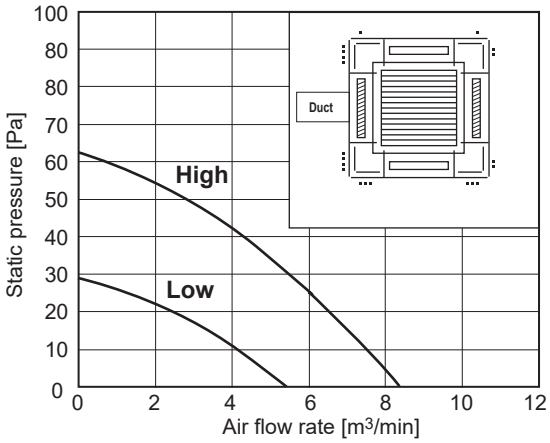
●3-way air flow (horizontal vane) Rectangular duct



●2-way air flow (horizontal vane) Round duct



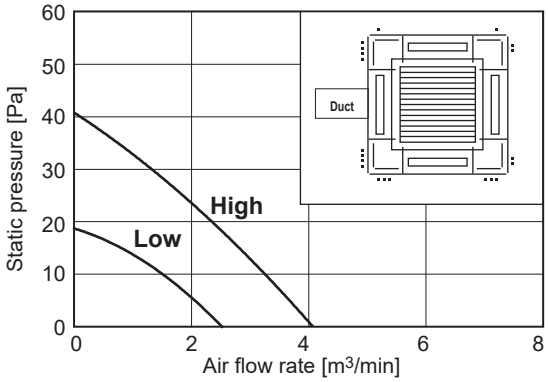
●2-way air flow (horizontal vane) Rectangular duct



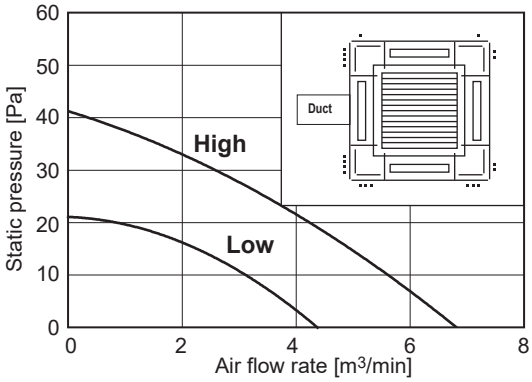
- Use 1 of the 2 duct holes on the indoor unit.
- Air flow rate of PLA-ZM35,50,60EA can be calculated from the air flow rate based on the characteristic of the duct for PLA-ZM71EA.
- Use the optional air outlet shutter plate (PAC-SJ37SP-E) for 3-way and 2-way air flow.

PLA-ZM140EA

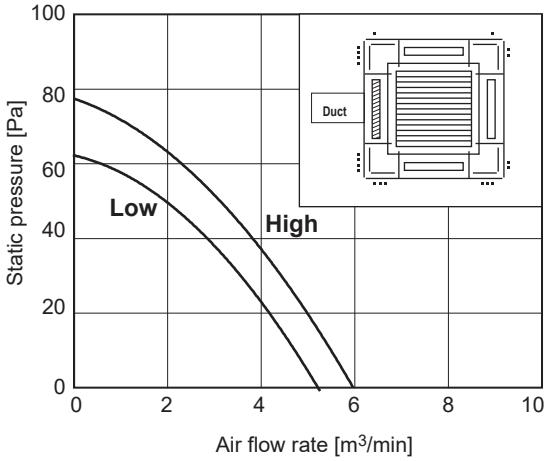
●4-way air flow (horizontal vane) Round duct



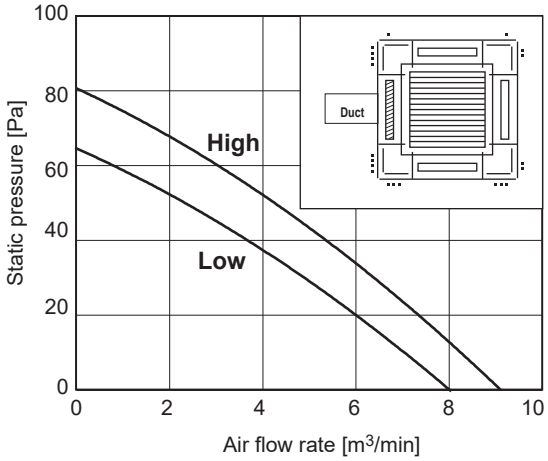
●4-way air flow (horizontal vane) Rectangular duct



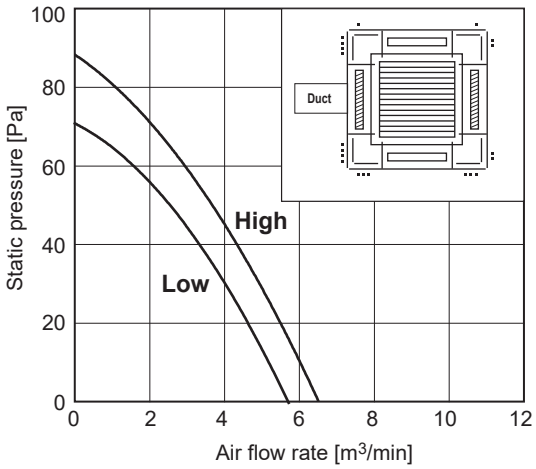
●3-way air flow (horizontal vane) Round duct



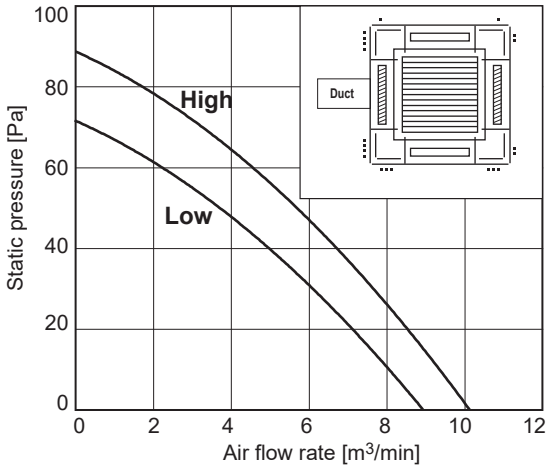
●3-way air flow (horizontal vane) Rectangular duct



●2-way air flow (horizontal vane) Round duct



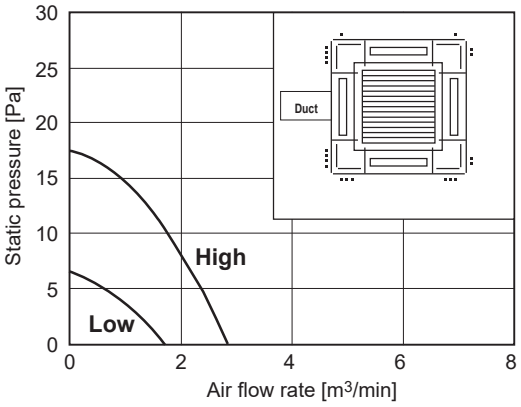
●2-way air flow (horizontal vane) Rectangular duct



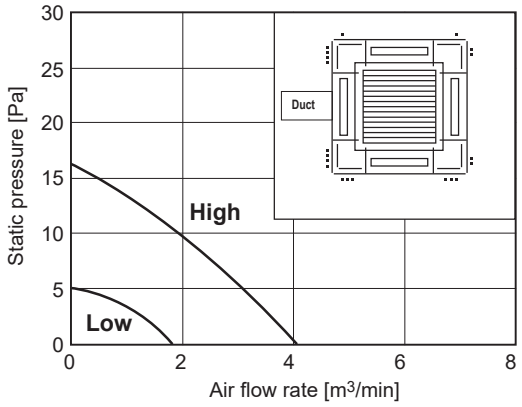
- Use 1 of the 2 duct holes on the indoor unit.
- Air flow rate of PLA-ZM100,125EA can be calculated from the air flow rate based on the characteristic of the duct for PLA-ZM140EA.
- Use the optional air outlet shutter plate (PAC-SJ37SP-E) for 3-way and 2-way air flow.

PLA-M71EA
PLA-SM71EA

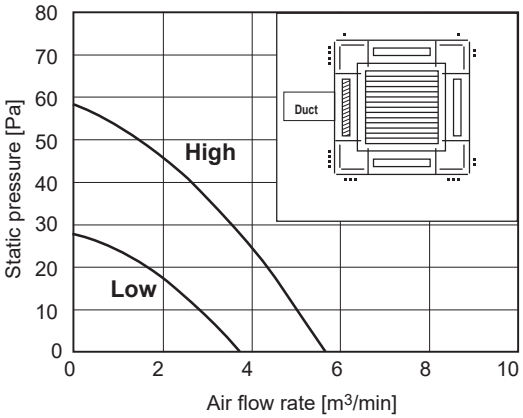
●4-way air flow (horizontal vane) Round duct



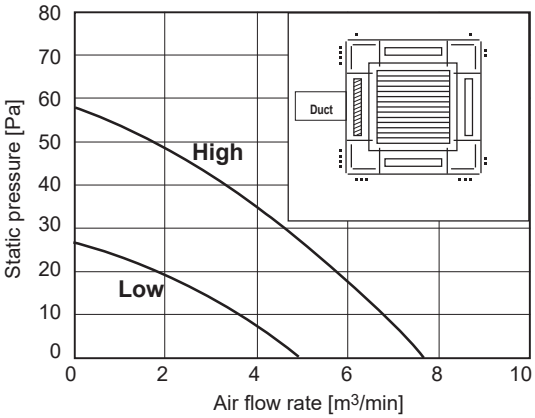
●4-way air flow (horizontal vane) Rectangular duct



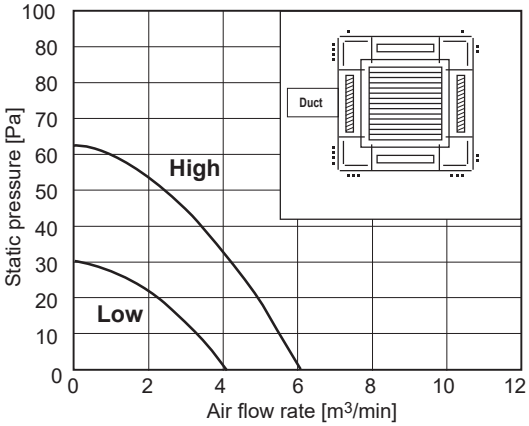
●3-way air flow (horizontal vane) Round duct



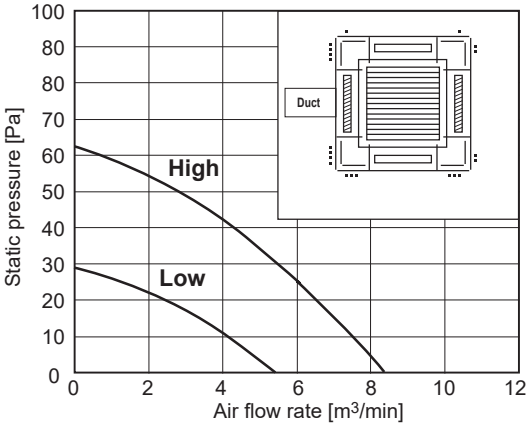
●3-way air flow (horizontal vane) Rectangular duct



●2-way air flow (horizontal vane) Round duct



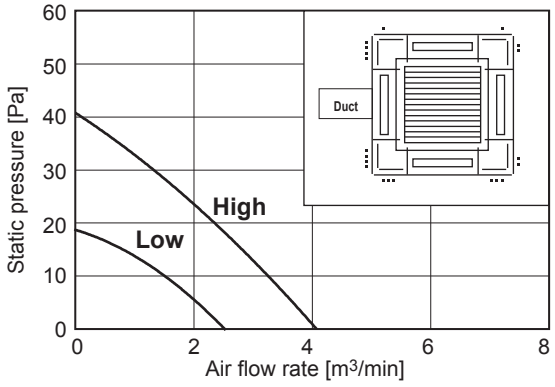
●2-way air flow (horizontal vane) Rectangular duct



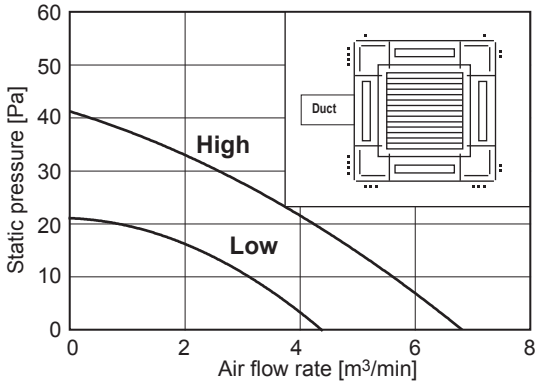
- Use 1 of the 2 duct holes on the indoor unit.
- Air flow rate of PLA-M35,50,60EA can be calculated from the air flow rate based on the characteristic of the duct for PLA-M71EA.
- Use the optional air outlet shutter plate (PAC-SJ37SP-E) for 3-way and 2-way air flow.

PLA-M140EA
PLA-SM140EA

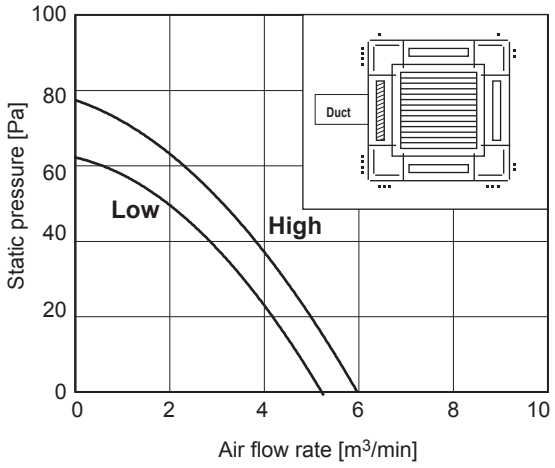
●4-way air flow (horizontal vane) Round duct



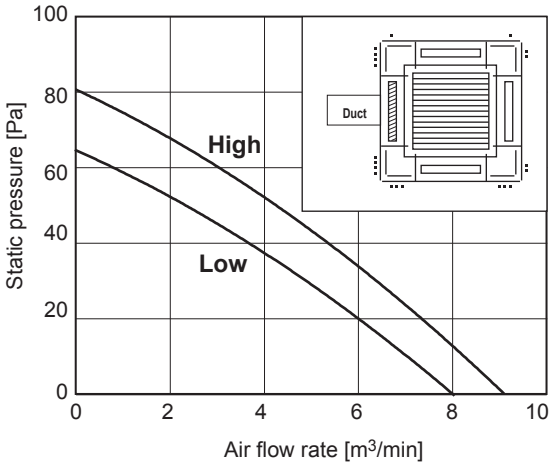
●4-way air flow (horizontal vane) Rectangular duct



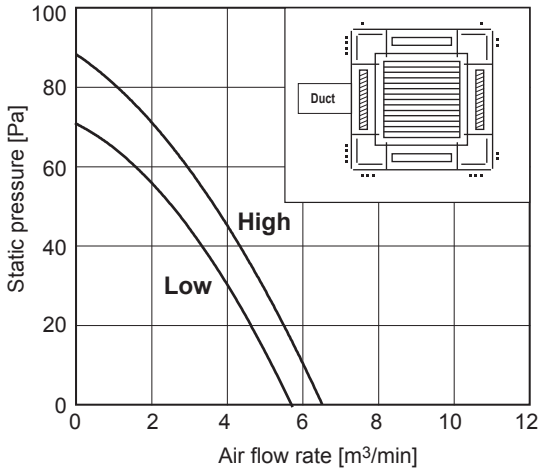
●3-way air flow (horizontal vane) Round duct



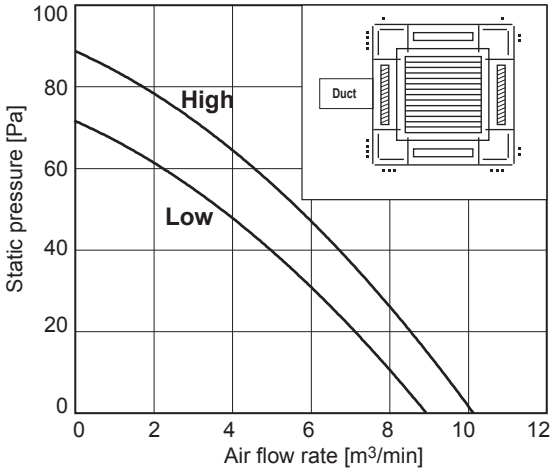
●3-way air flow (horizontal vane) Rectangular duct



●2-way air flow (horizontal vane) Round duct



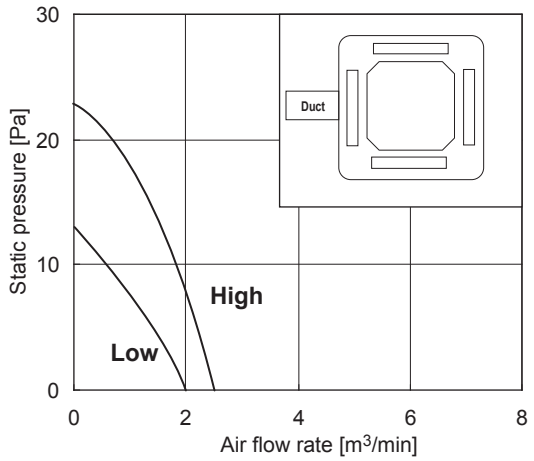
●2-way air flow (horizontal vane) Rectangular duct



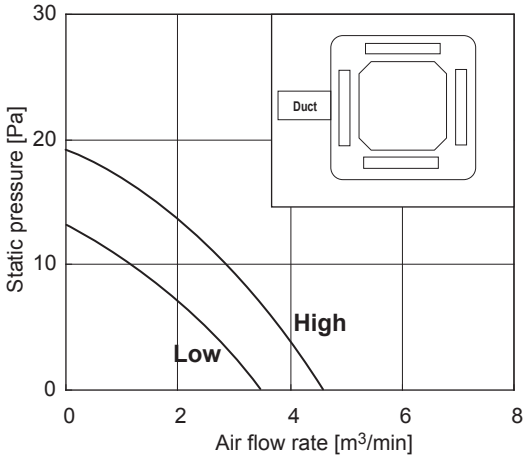
- Use 1 of the 2 duct holes on the indoor unit.
- Air flow rate of PLA-M100,125EA PLA-SM100,125EA can be calculated from the air flow rate based on the characteristic of the duct for PLA-M140EA, PLA-SM140EA.
- Use the optional air outlet shutter plate (PAC-SJ37SP-E) for 3-way and 2-way air flow.

PLA-SM71EA

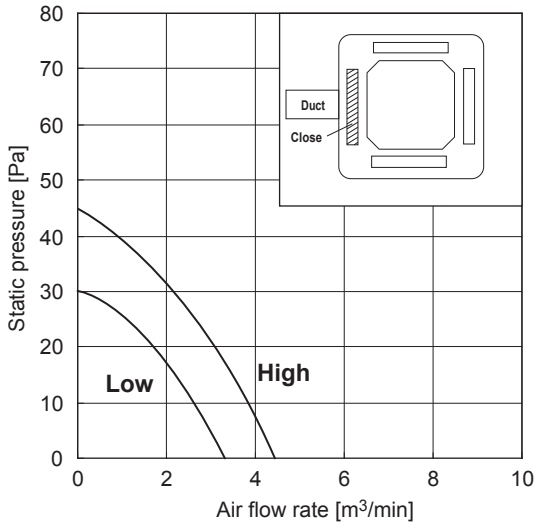
●4-way air flow (horizontal vane) Round duct



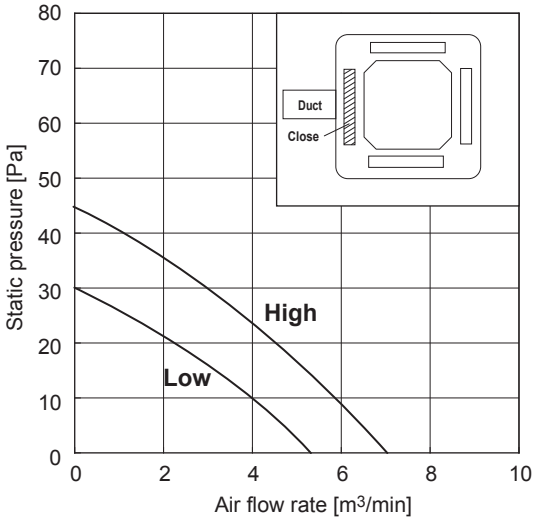
●4-way air flow (horizontal vane) Rectangular duct



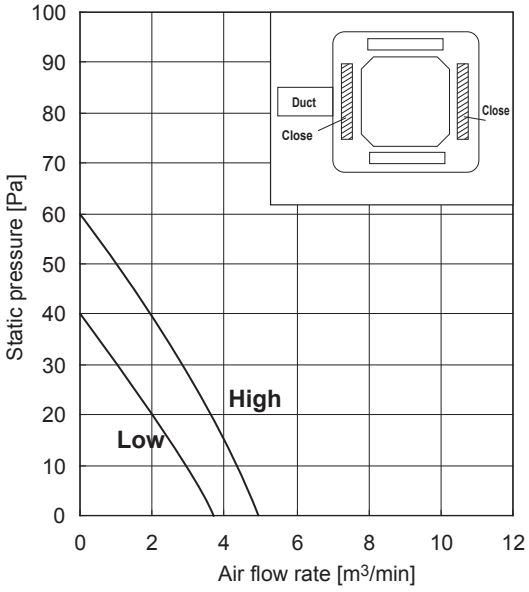
●3-way air flow (horizontal vane) Round duct



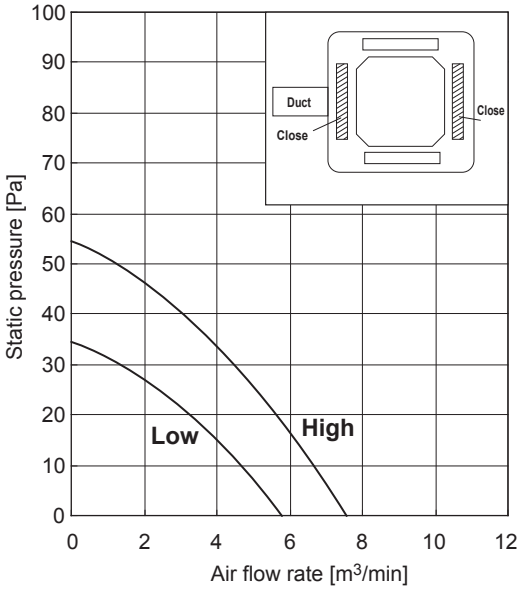
●3-way air flow (horizontal vane) Rectangular duct



●2-way air flow (horizontal vane) Round duct



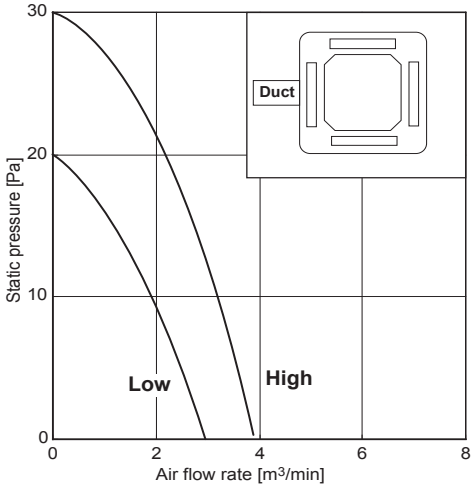
●2-way air flow (horizontal vane) Rectangular duct



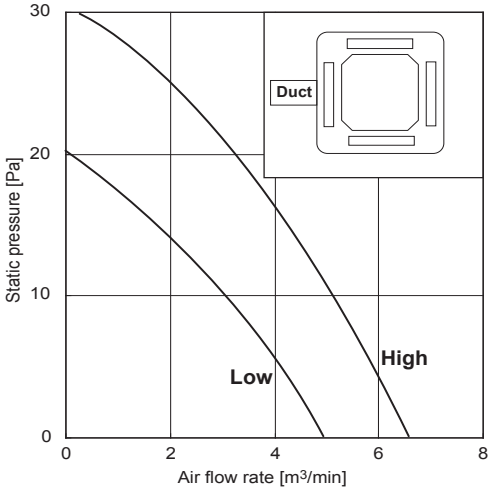
• Use 1 of the 2 duct holes on the indoor unit.
• Use the optional air outlet shutter plate (PAC-SH51SP-E) for 3-way and 2-way air flow.

PLA-SM125EA

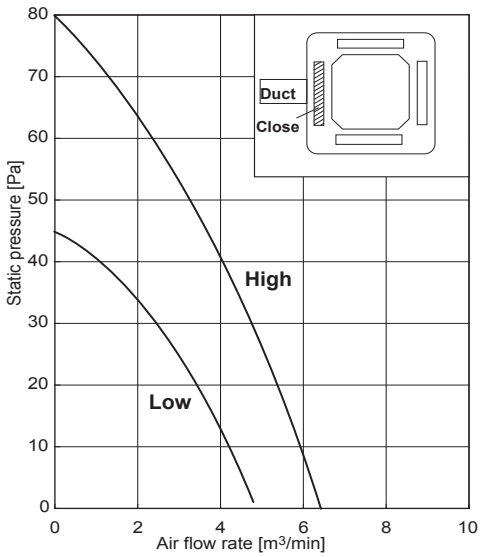
●4-way air flow (horizontal vane) Round duct



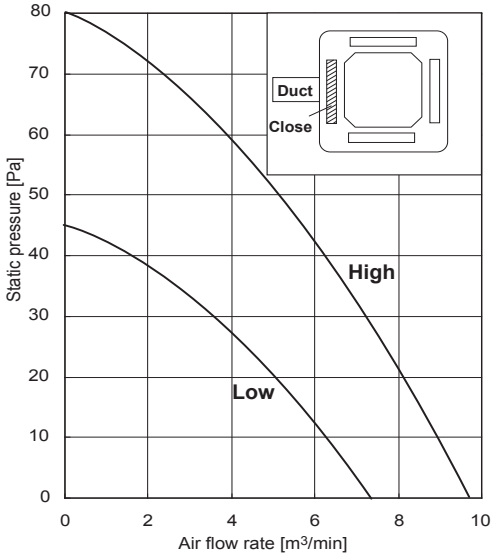
●4-way air flow (horizontal vane) Rectangular duct



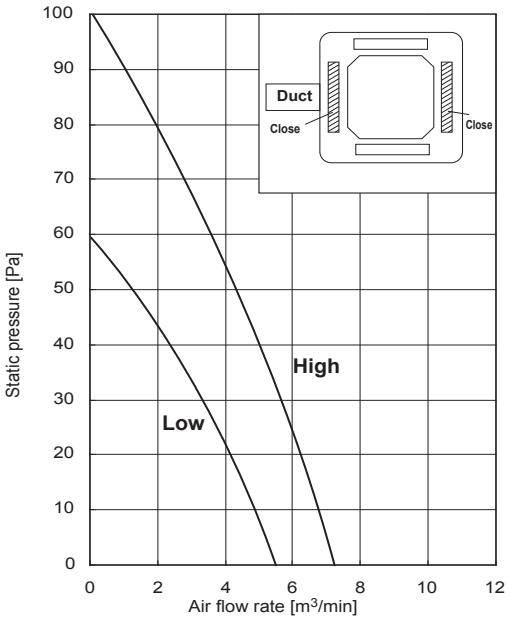
●3-way air flow (horizontal vane) Round duct



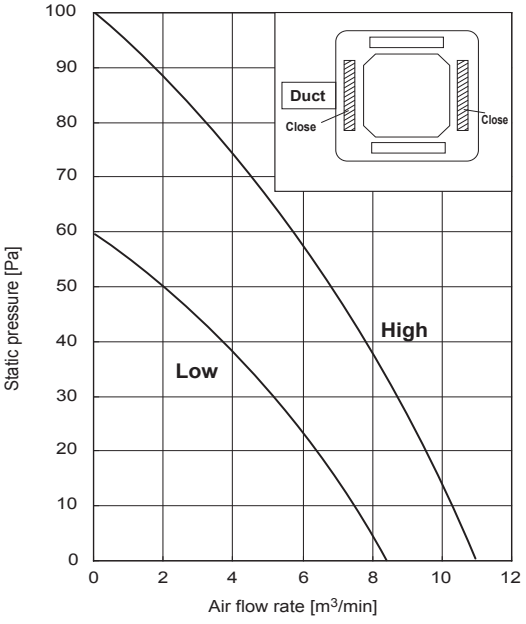
●3-way air flow (horizontal vane) Rectangular duct



●2-way air flow (horizontal vane) Round duct



●2-way air flow (horizontal vane) Rectangular duct

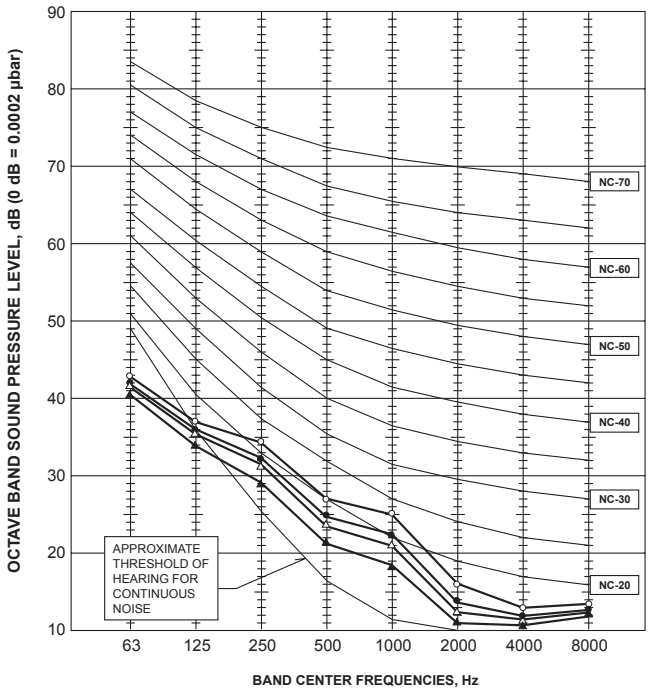


- Use 1 of the 2 duct holes on the indoor unit.
- Air flow rate PLA-SM100EA,PLA-SM140EA
  can be calculated from the air flow rate based on the characteristic of the duct for PLA-SM125EA
- Use the optional air outlet shutter plate (PAC-SH51SP-E) for 3-way and 2-way air flow.

A.1.7 NOISE CRITERIA CURVES

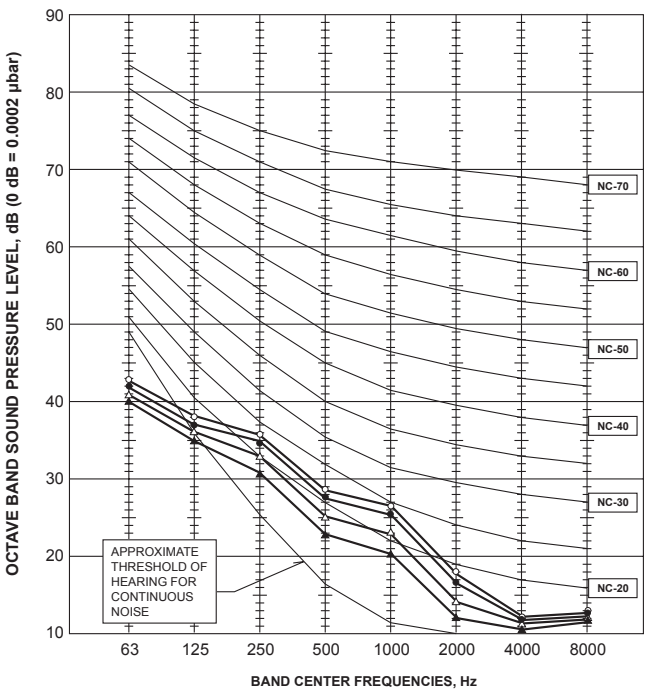
PLA-ZM35EA
PLA-RP35EA

NOTCH	SPL(dB)	LINE
High	31	
Medium1	29	
Medium2	28	
Low	26	



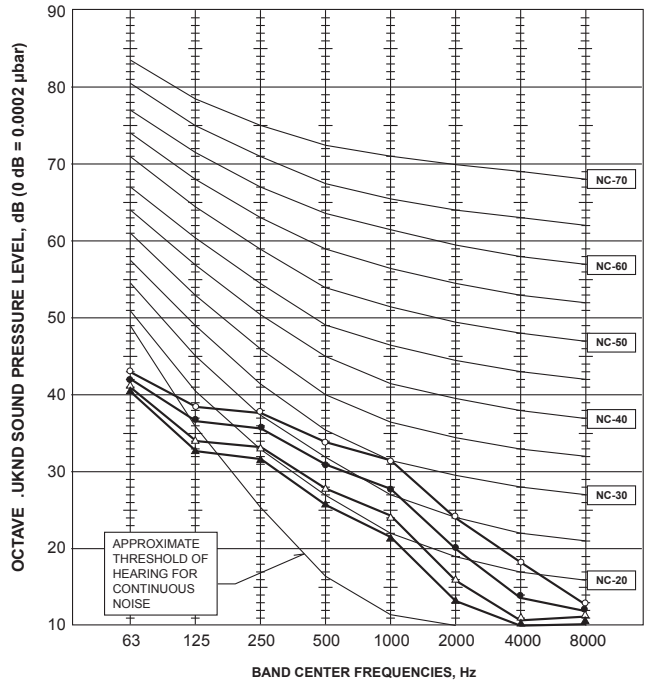
PLA-ZM50EA
PLA-ZM60EA
PLA-M50EA
PLA-M60EA

NOTCH	SPL(dB)	LINE
High	32	
Medium1	31	
Medium2	29	
Low	27	



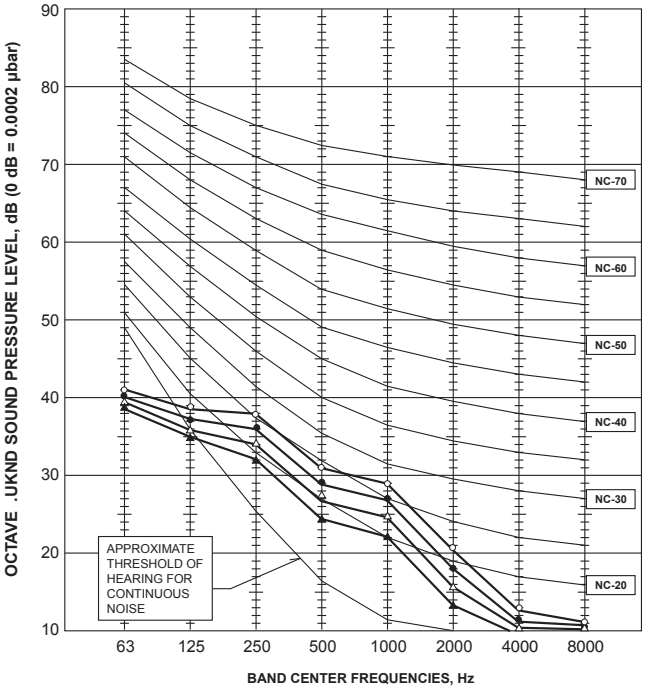
PLA-ZM71EA

NOTCH	SPL(dB)	LINE
High	36	
Medium1	33	
Medium2	30	
Low	28	



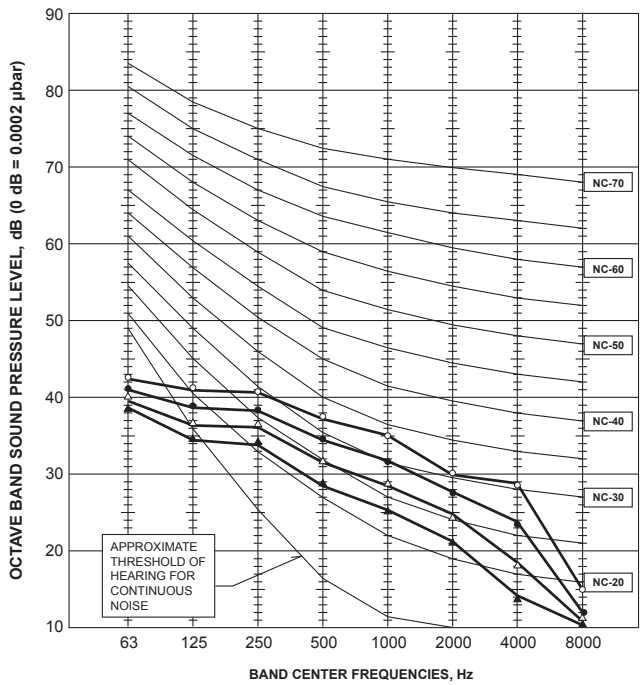
PLA-M71EA
PLA-SM71EA

NOTCH	SPL(dB)	LINE
High	34	
Medium1	32	
Medium2	30	
Low	28	



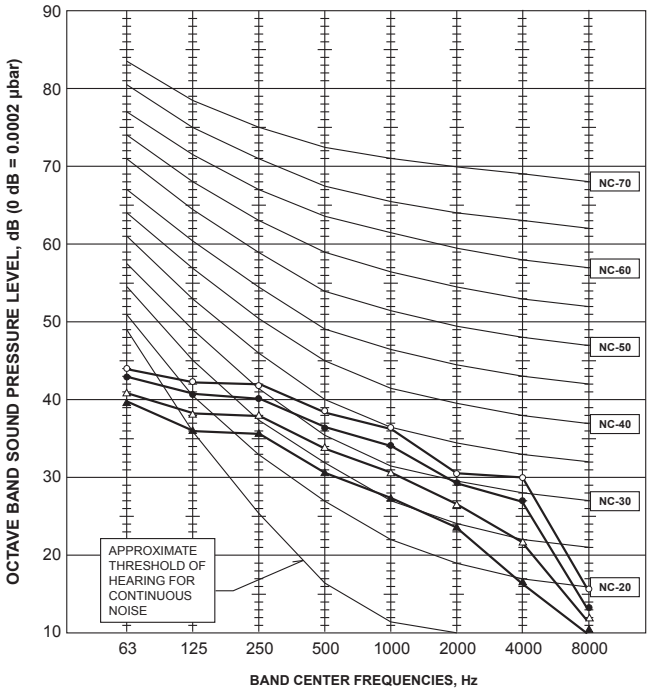
PLA-ZM100EA
PLA-M100EA
PLA-SM100EA

NOTCH	SPL(dB)	LINE
High	40	
Medium1	37	
Medium2	34	
Low	31	



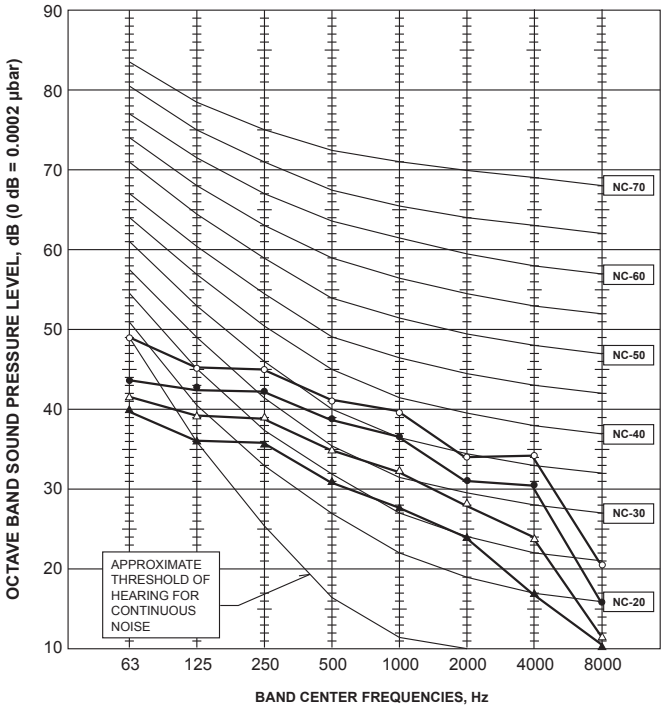
PLA-ZM125EA

NOTCH	SPL(dB)	LINE
High	41	
Medium1	39	
Medium2	36	
Low	33	



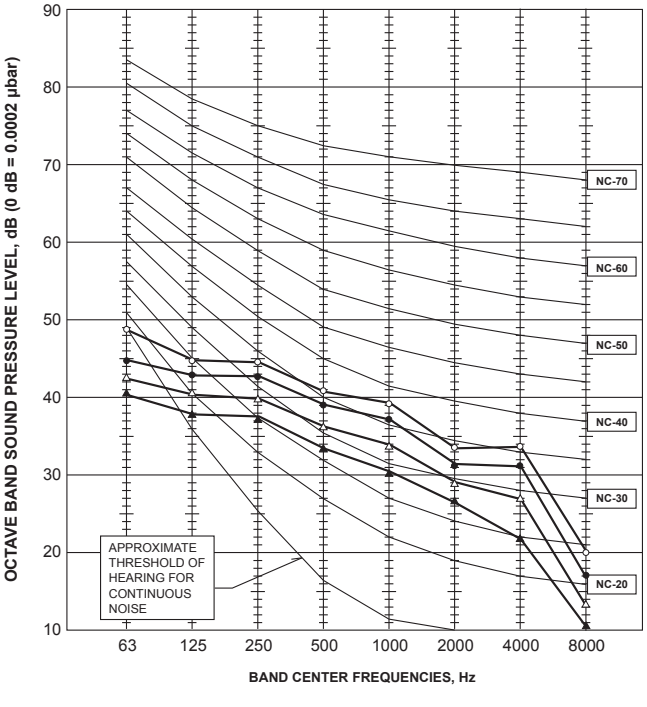
PLA-M125EA
PLA-SM125EA

NOTCH	SPL(dB)	LINE
High	44	
Medium1	41	
Medium2	37	
Low	33	



PLA-ZM140EA
PLA-M140EA
PLA-SM140EA

NOTCH	SPL(dB)	LINE
High	44	
Medium1	42	
Medium2	39	
Low	36	

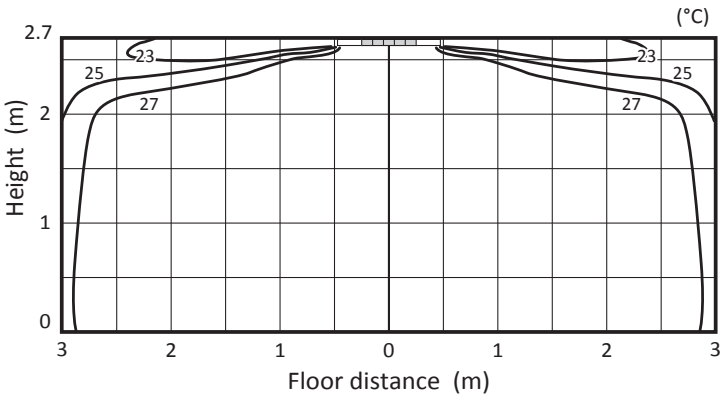


A.1.8 TEMPERATURE AND AIR FLOW DISTRIBUTIONS

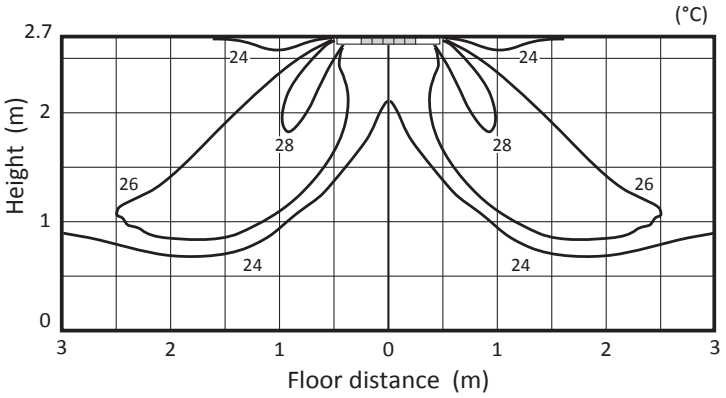
PLA-ZM35EA

■TEMPERATURE DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m

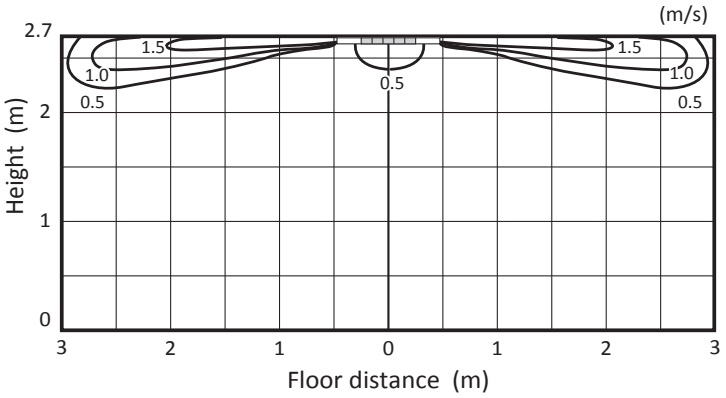


<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m

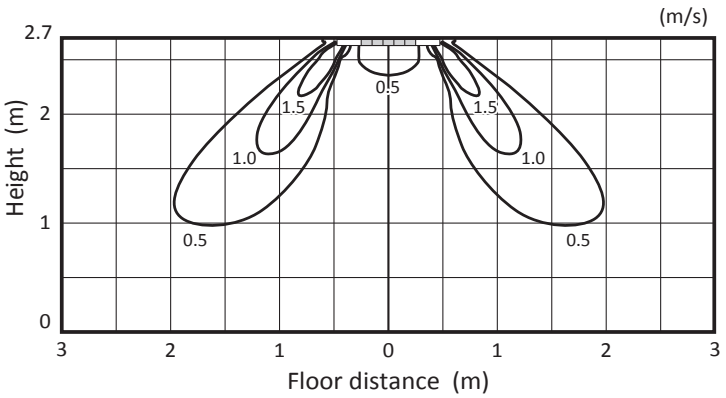


■AIRFLOW DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m



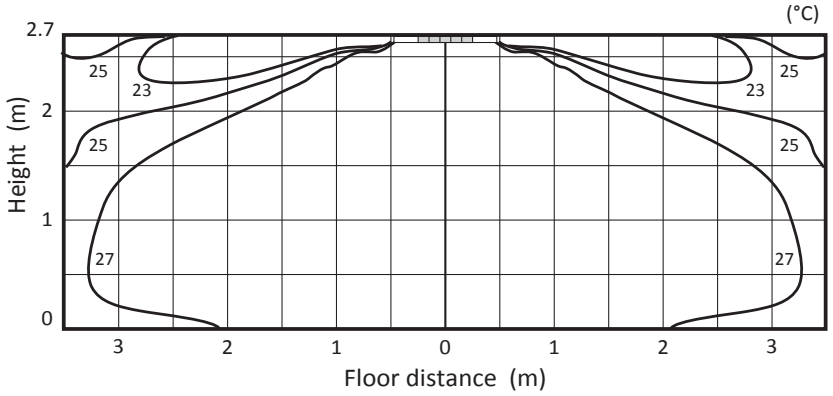
<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m



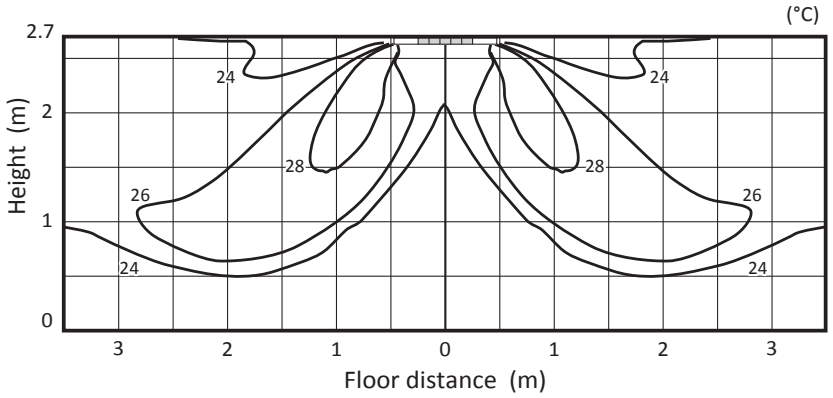
PLA-ZM50EA

■TEMPERATURE DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m

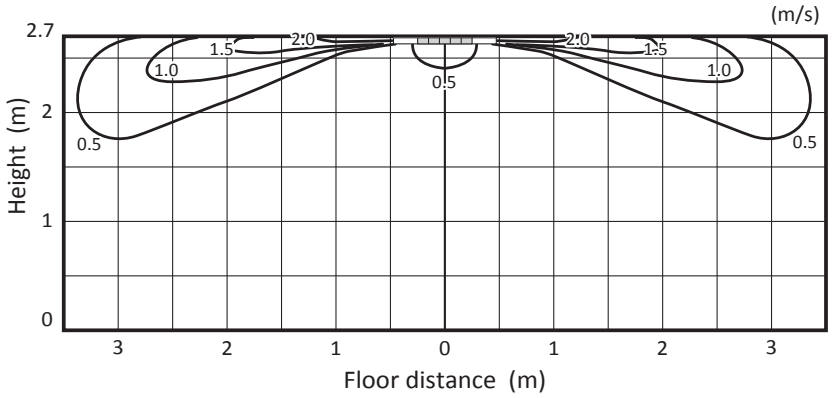


<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m

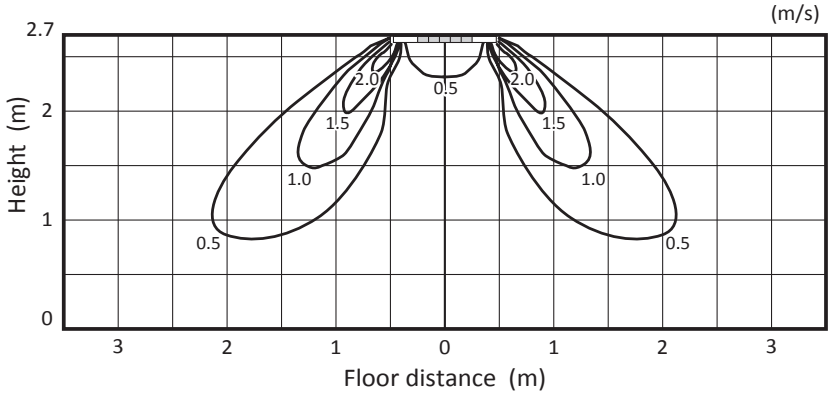


■AIRFLOW DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m



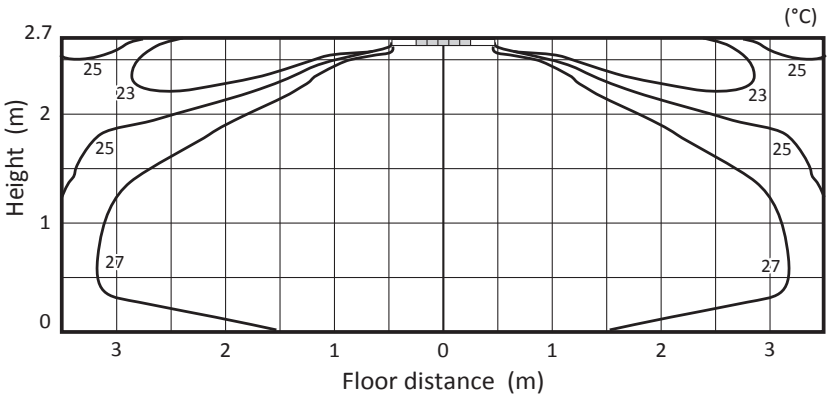
<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m



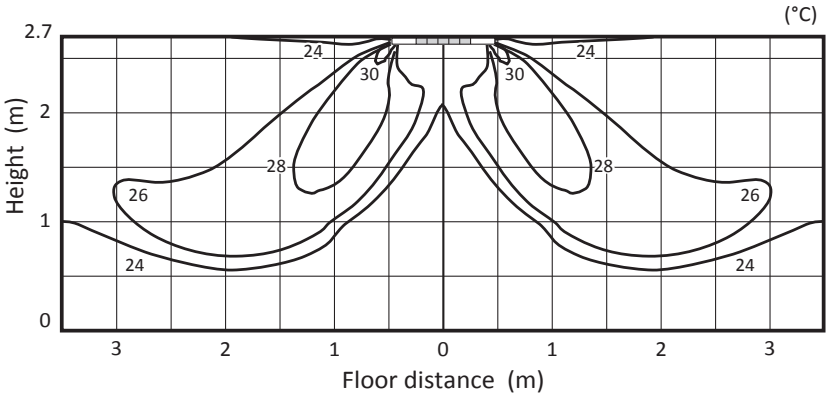
PLA-ZM60EA

■TEMPERATURE DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m

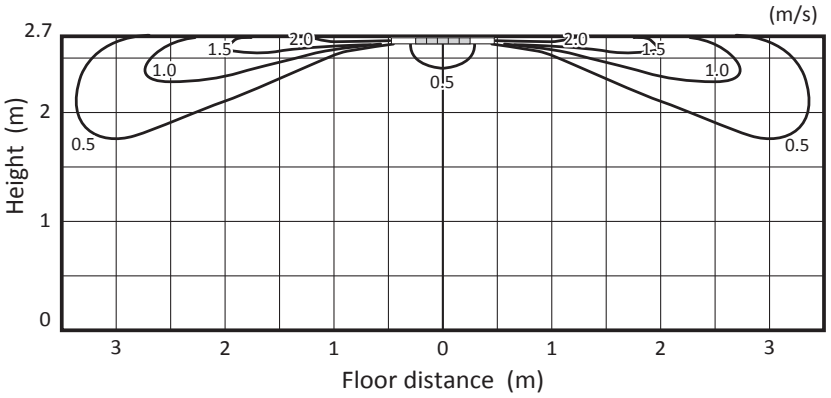


<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m

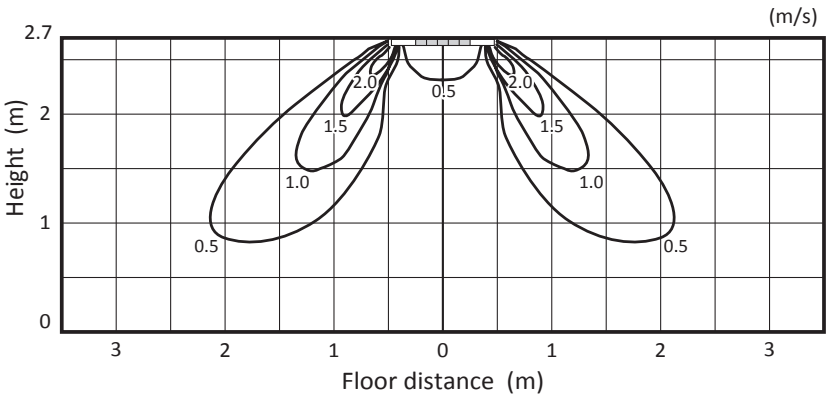


■AIRFLOW DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m



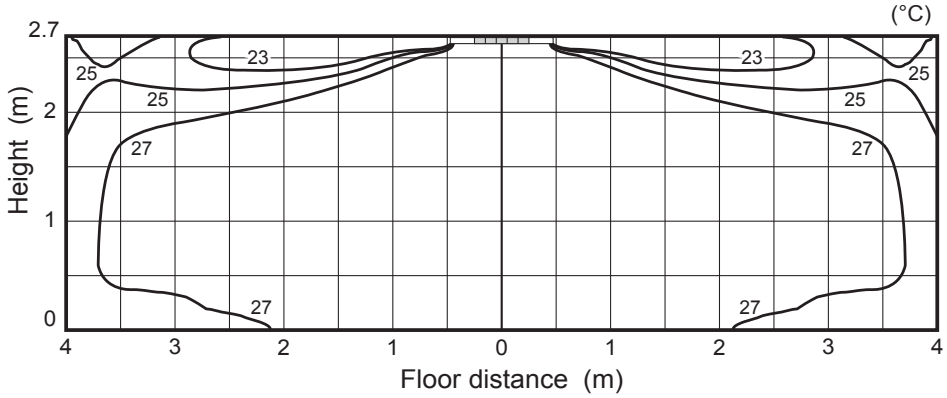
<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m



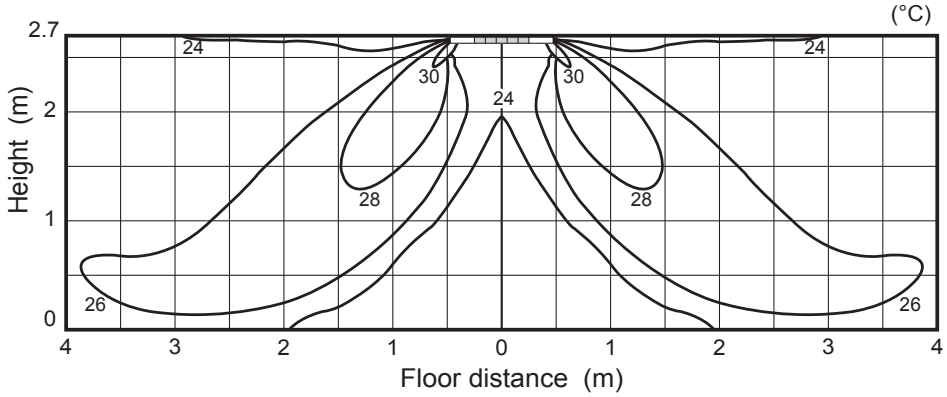
PLA-ZM71EA

■TEMPERATURE DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m

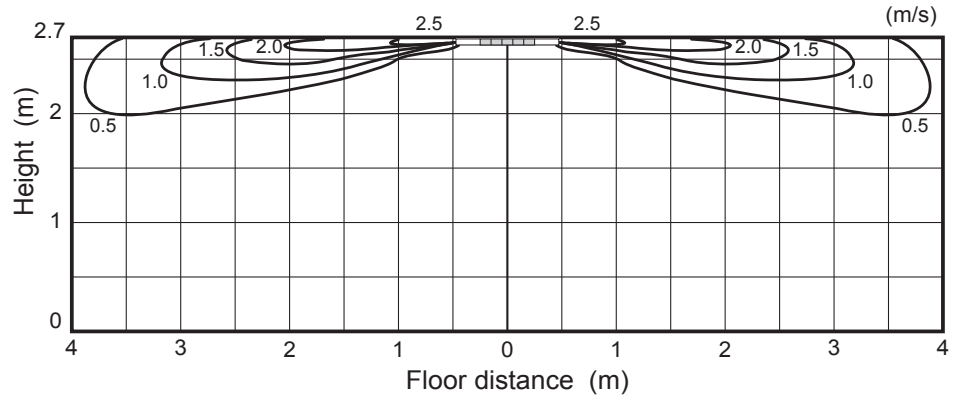


<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m

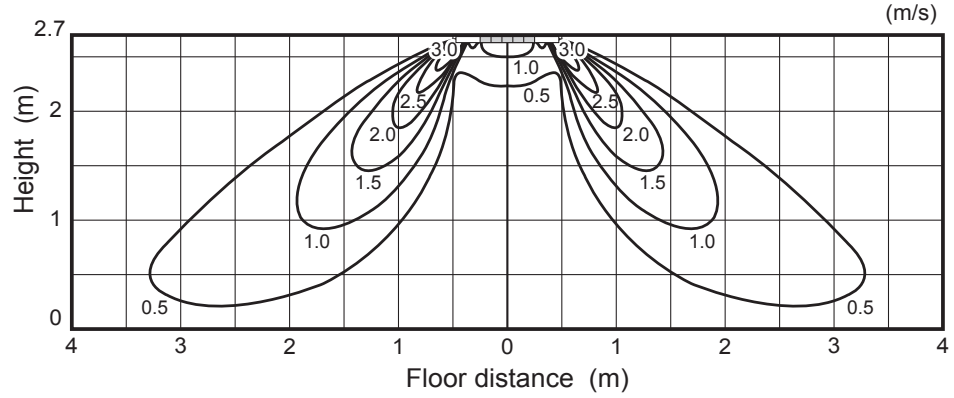


■AIRFLOW DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m



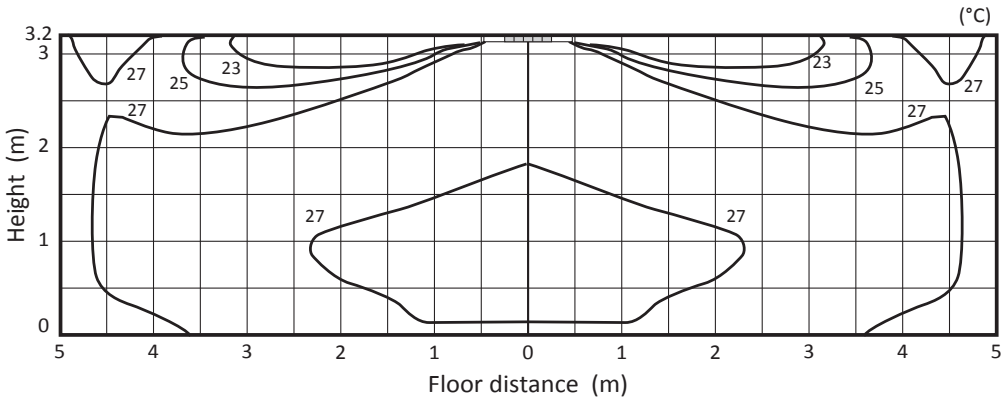
<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m



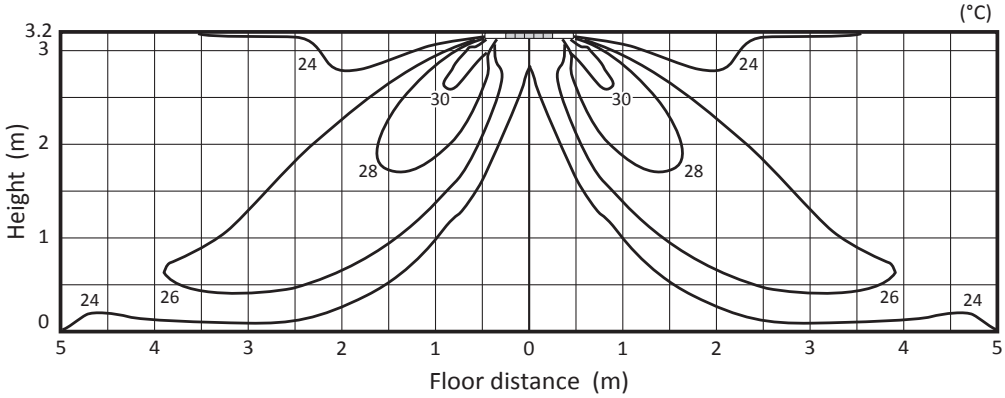
PLA-ZM100EA

■TEMPERATURE DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 3.2m

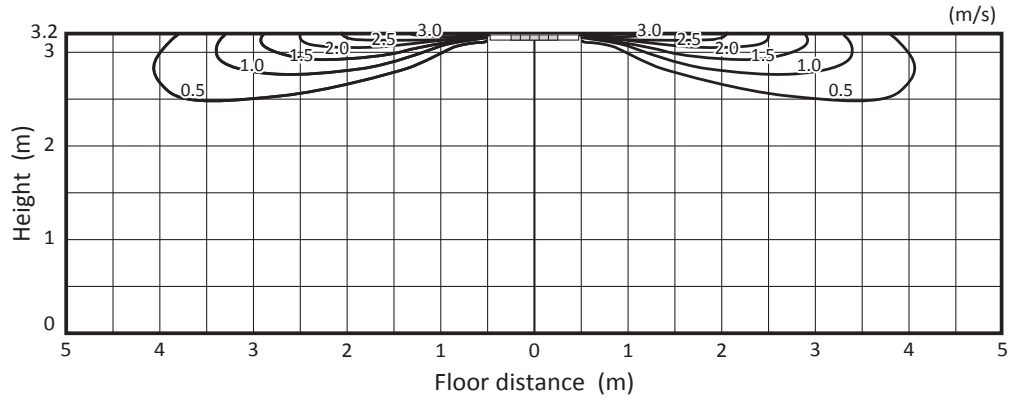


<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 3.2m

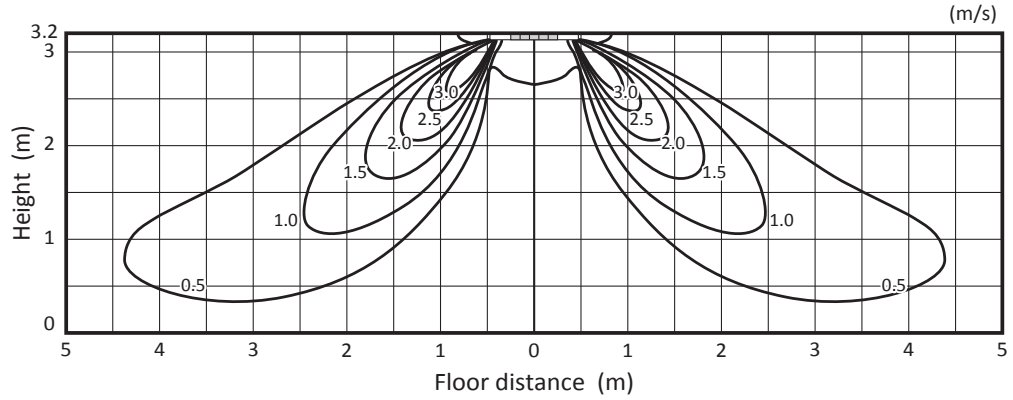


■AIRFLOW DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 3.2m



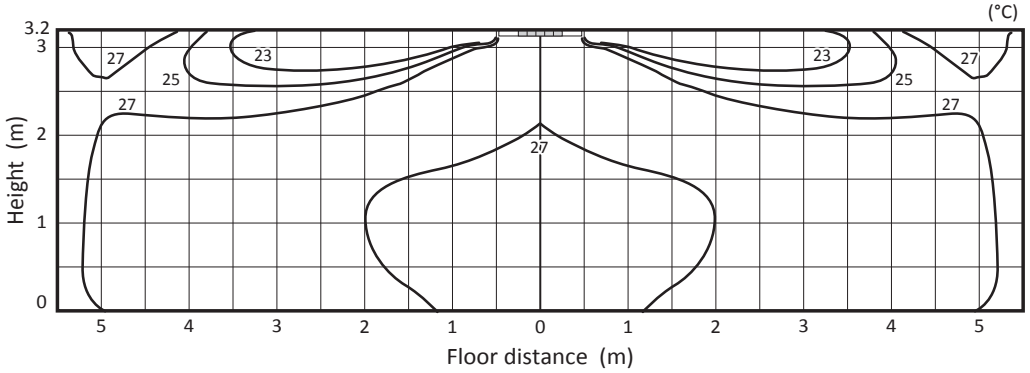
<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 3.2m



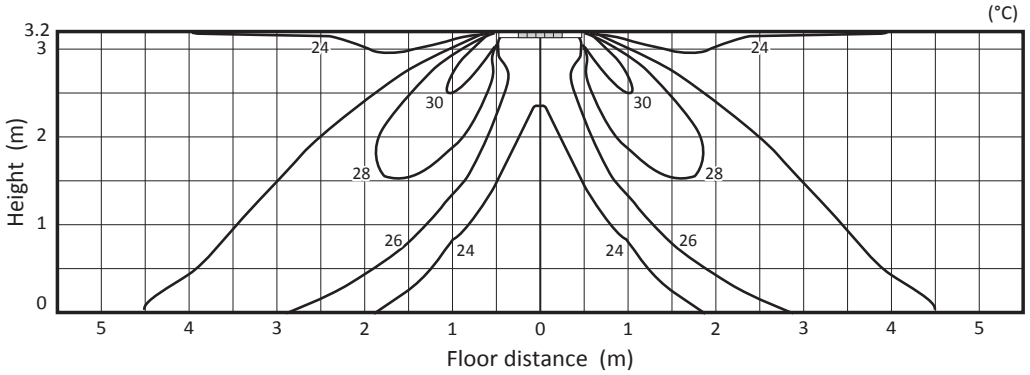
PLA-ZM125EA

■TEMPERATURE DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 3.2m

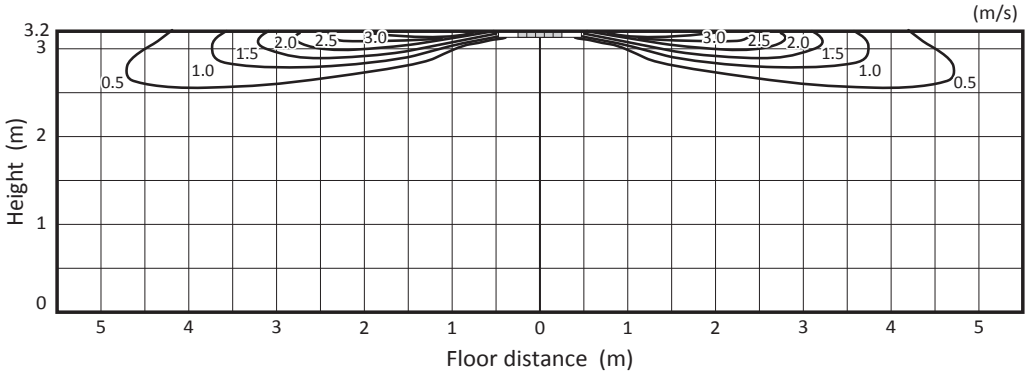


<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 3.2m

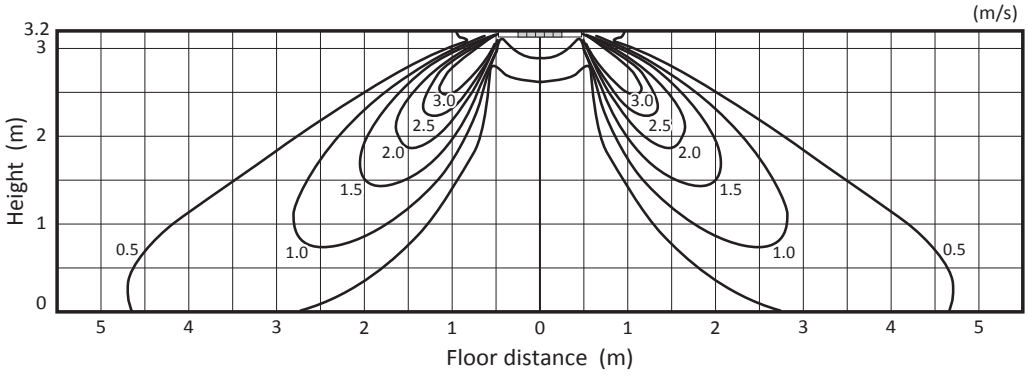


■AIRFLOW DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 3.2m



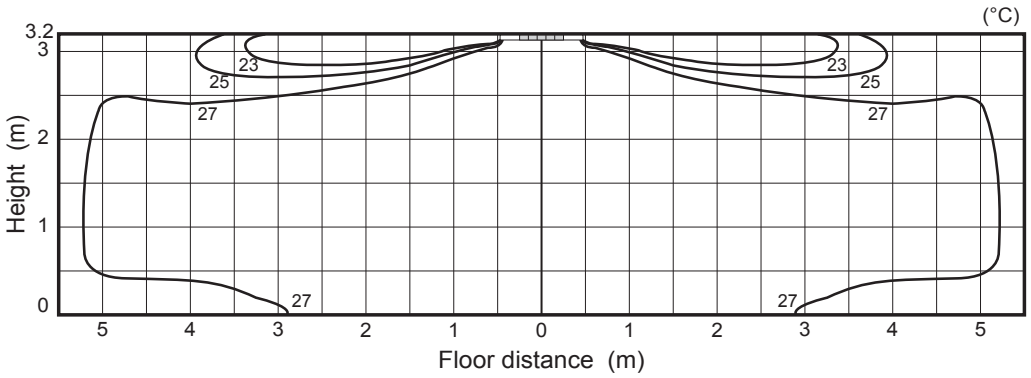
<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 3.2m



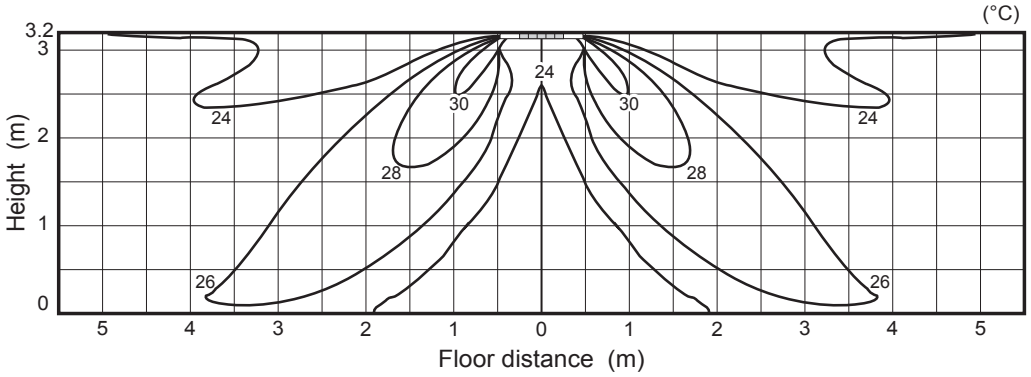
PLA-ZM140EA

■TEMPERATURE DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 3.2m

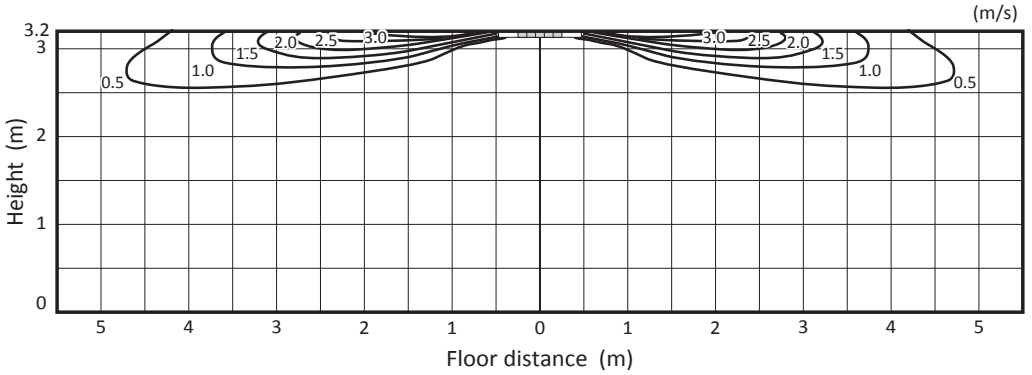


<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 3.2m

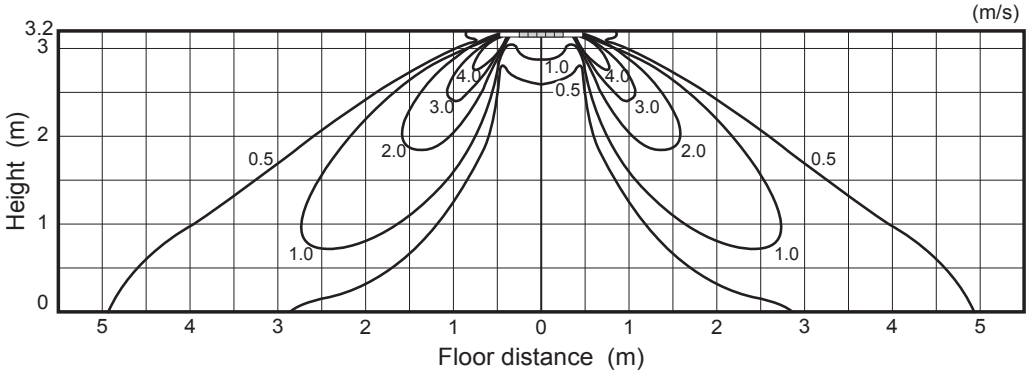


■AIRFLOW DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 3.2m



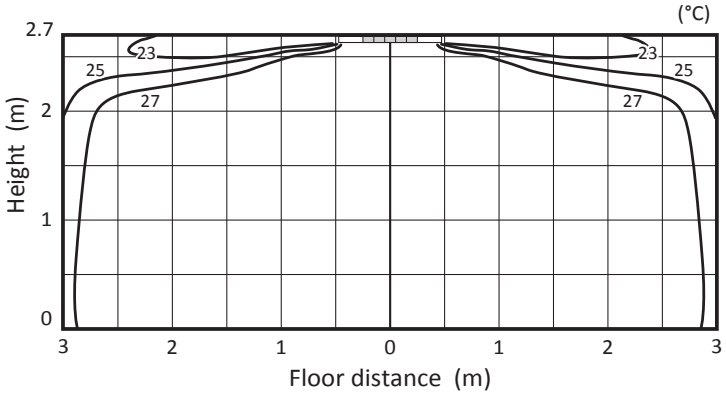
<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 3.2m



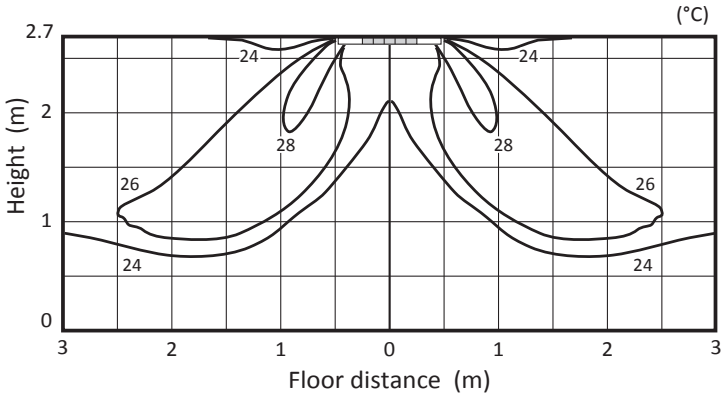
PLA-M35EA

■TEMPERATURE DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m

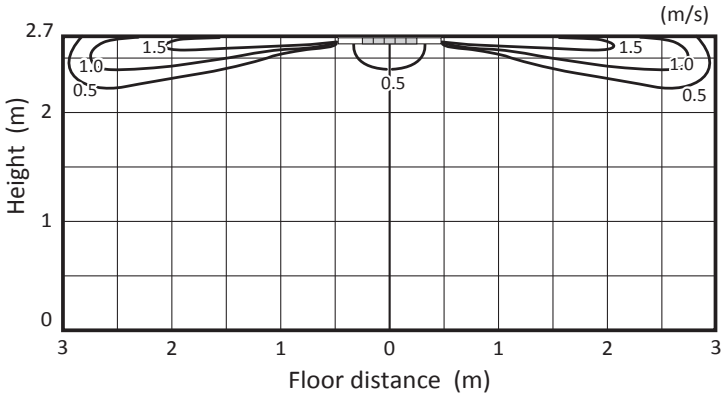


<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m

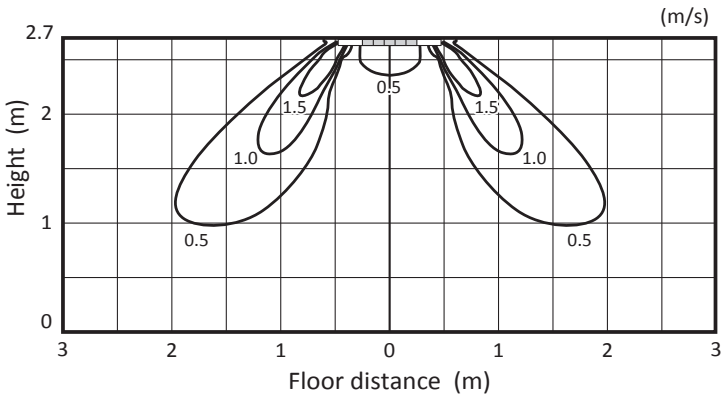


■AIRFLOW DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m



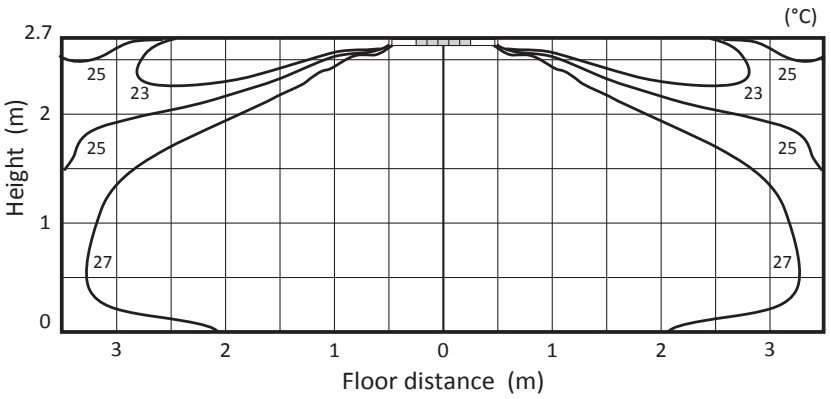
<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m



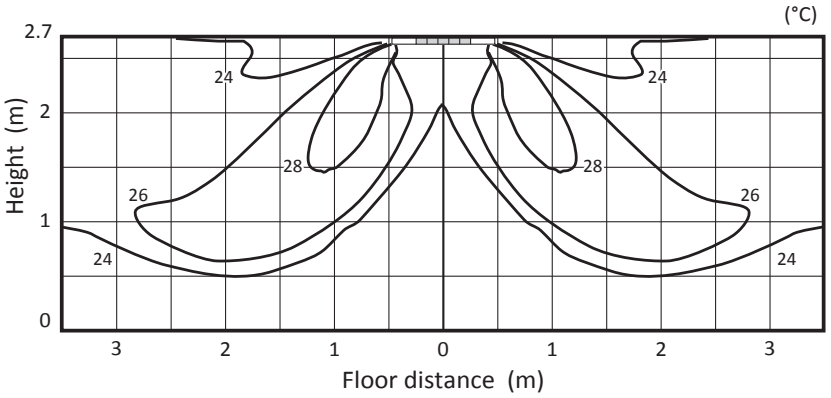
PLA-M50EA

■TEMPERATURE DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m

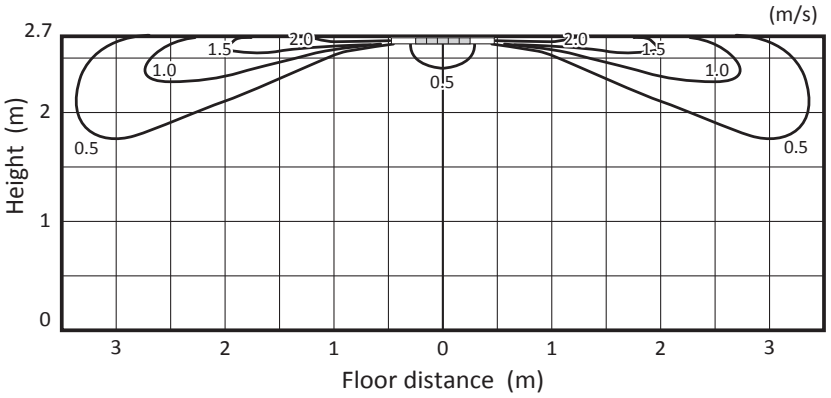


<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m

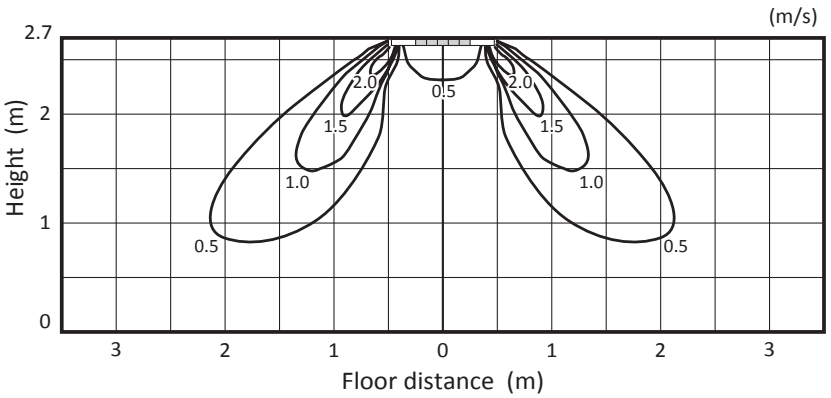


■AIRFLOW DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m



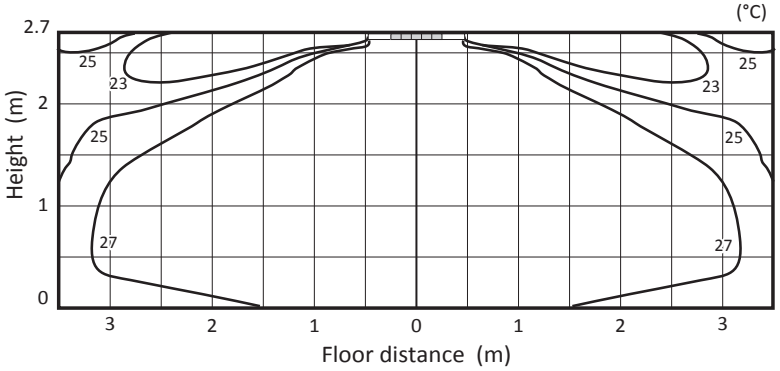
<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m



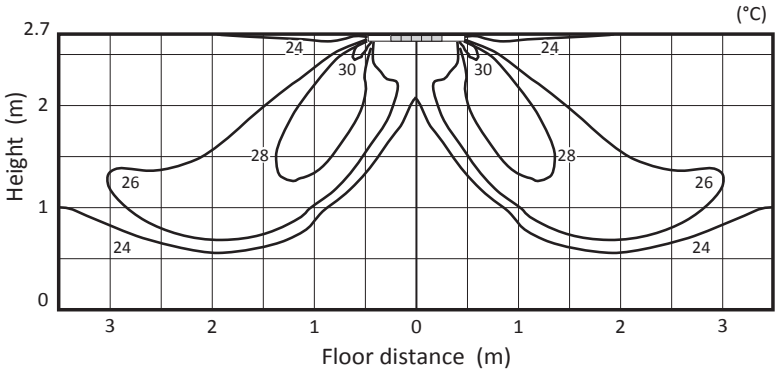
PLA-M60EA

■TEMPERATURE DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m

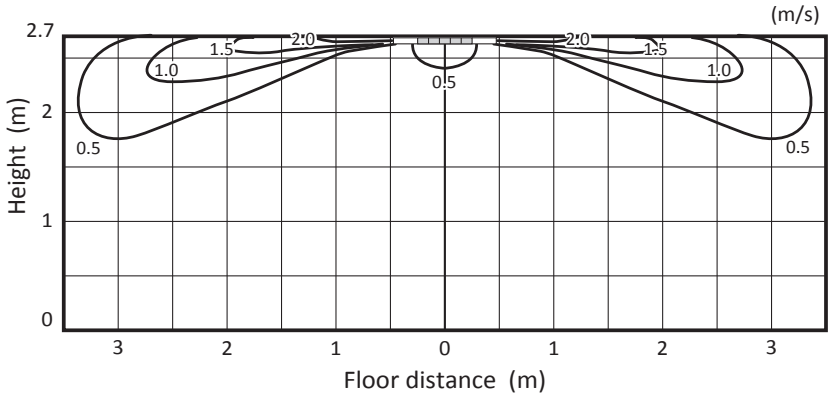


<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m

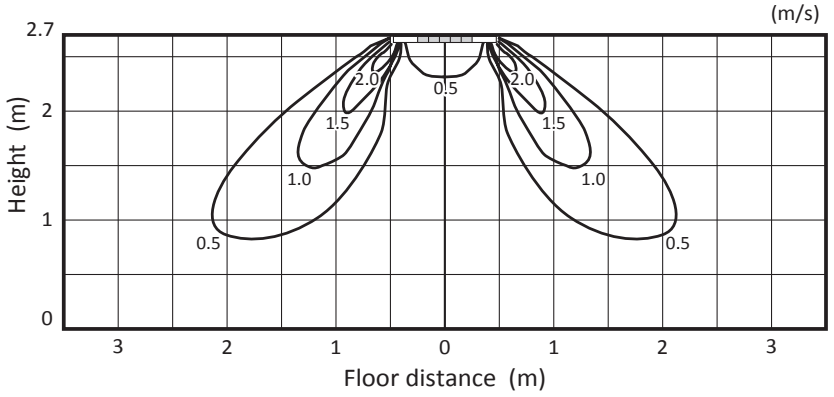


■AIRFLOW DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m



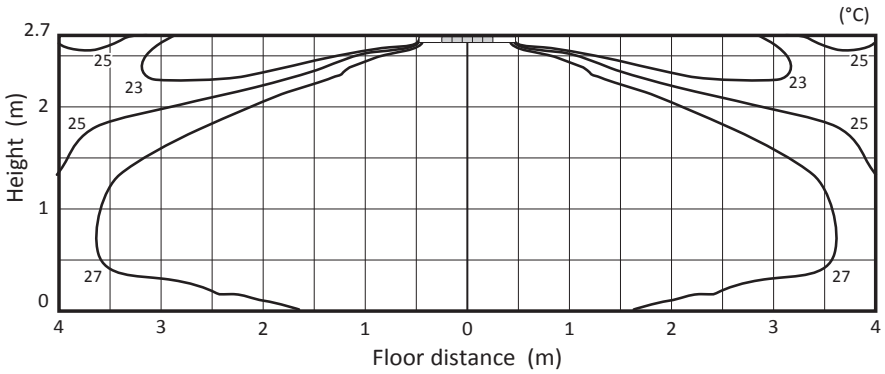
<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m



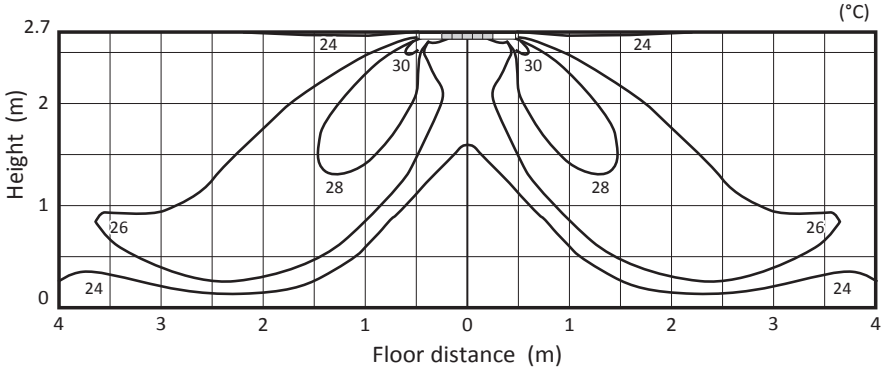
PLA-M71EA
PLA-SM71EA

■TEMPERATURE DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m

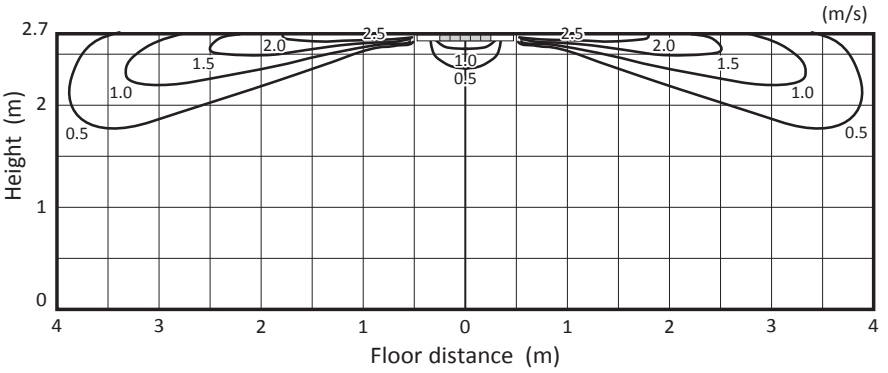


<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m

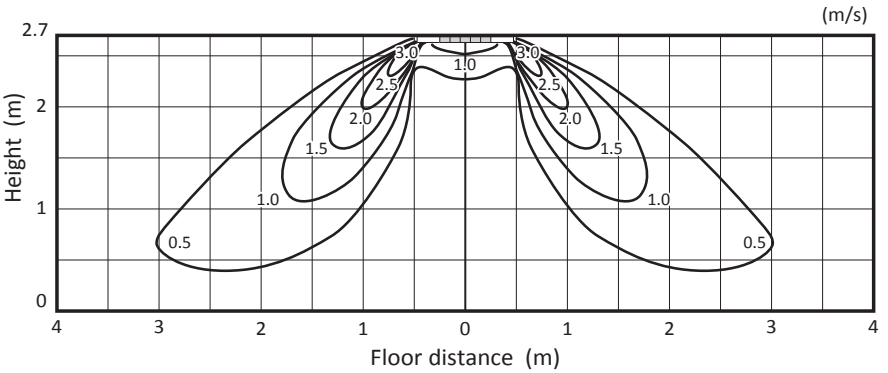


■AIRFLOW DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m



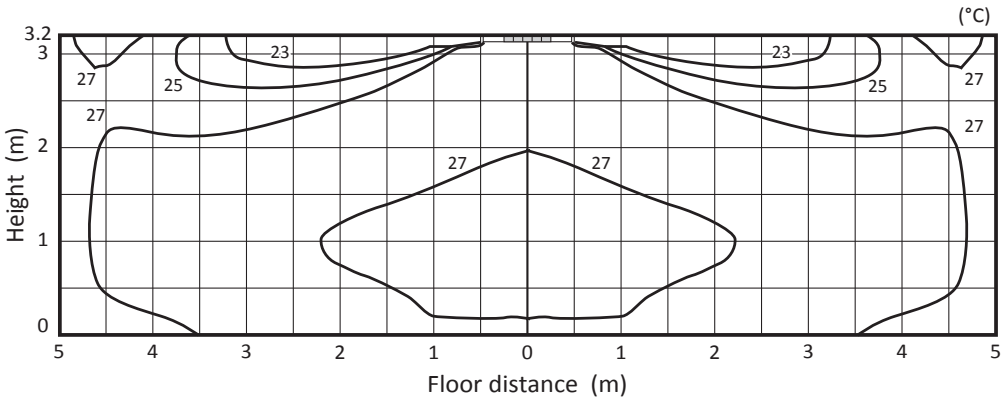
<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m



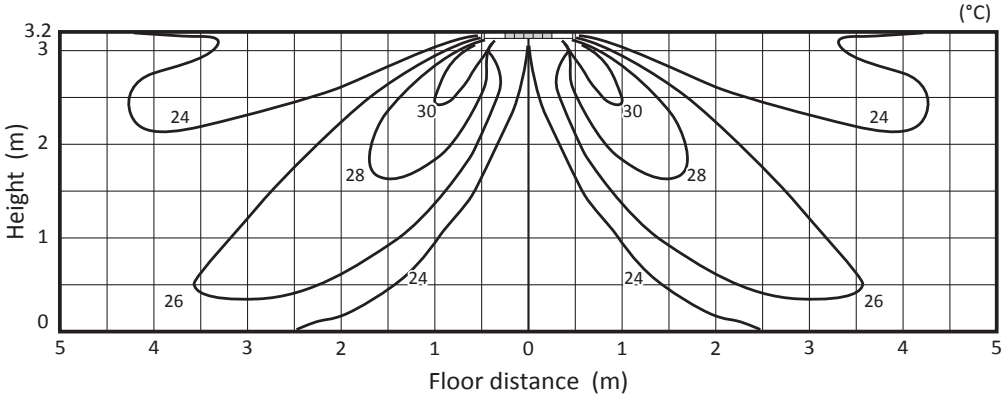
PLA-M100EA
PLA-SM100EA

■TEMPERATURE DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m

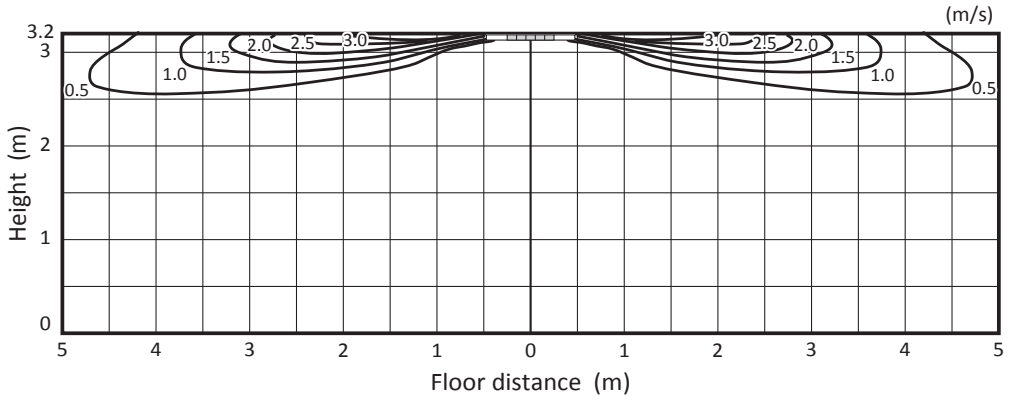


<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m

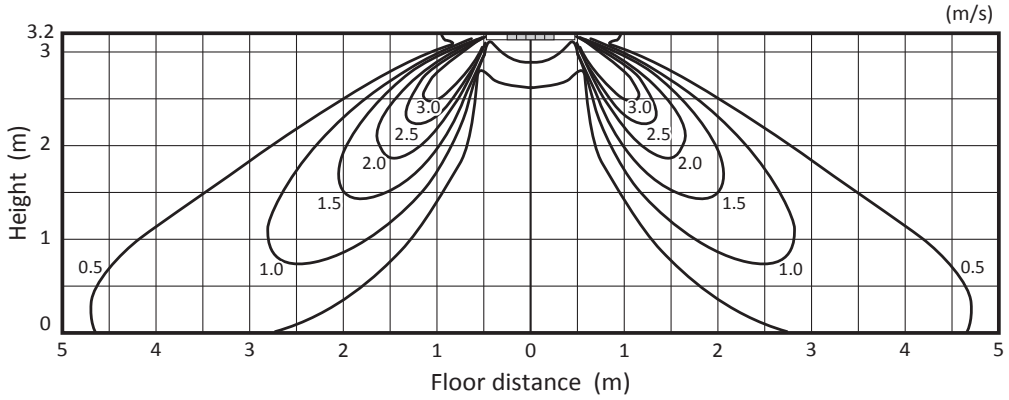


■AIRFLOW DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m



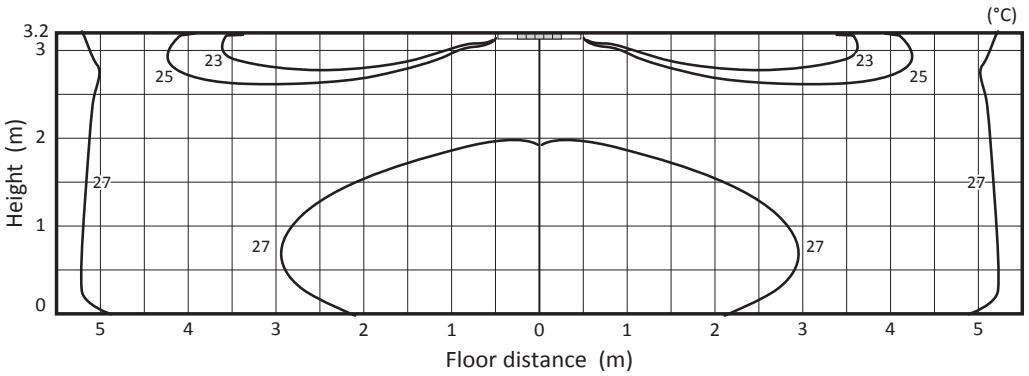
<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m



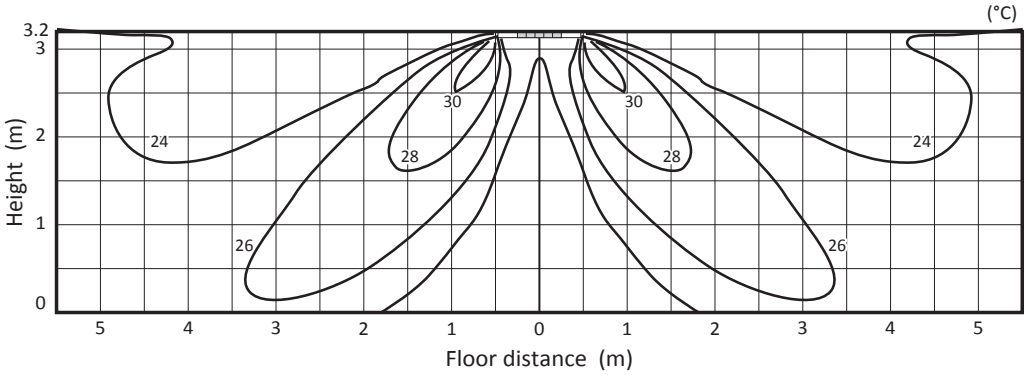
PLA-M125EA
PLA-SM125EA

■TEMPERATURE DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m

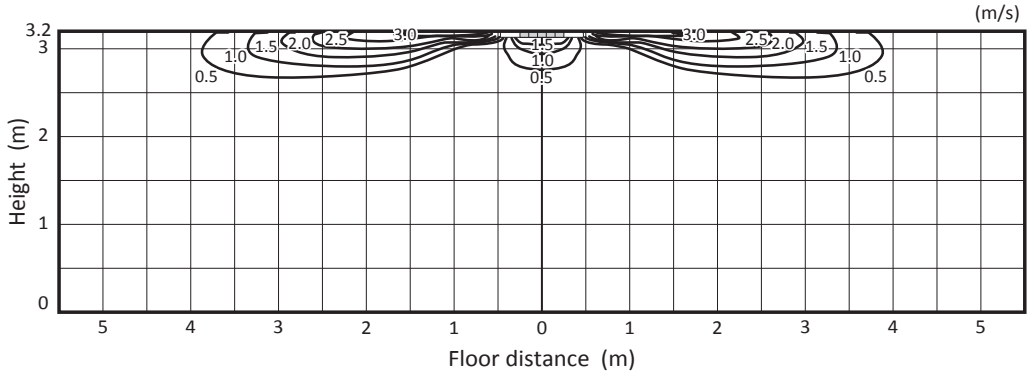


<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m

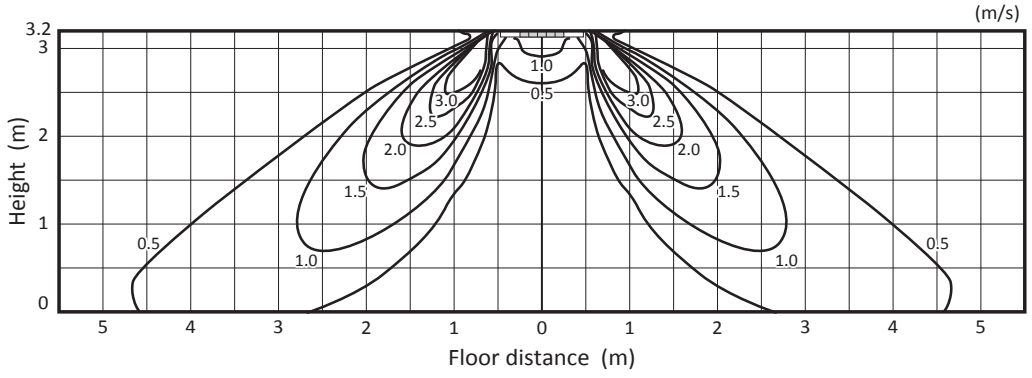


■AIRFLOW DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m



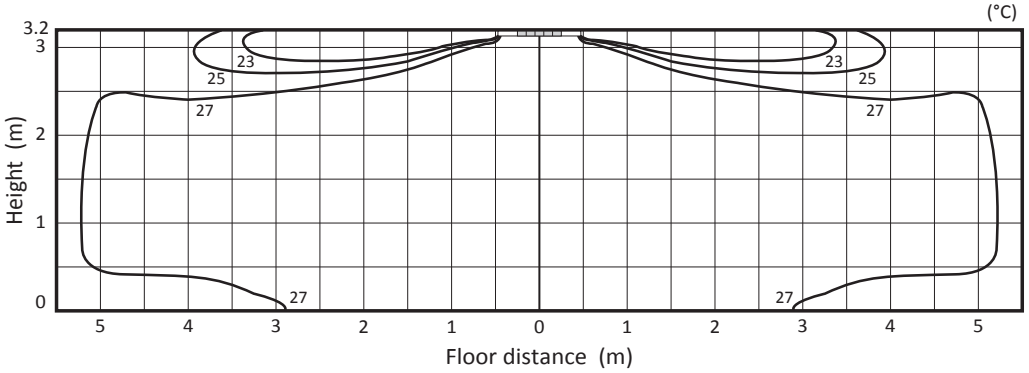
<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m



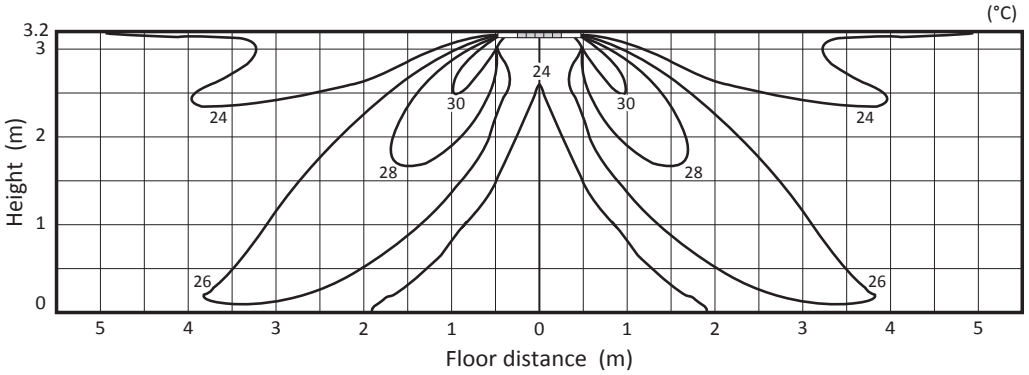
PLA-M140EA
PLA-SM140EA

■TEMPERATURE DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m

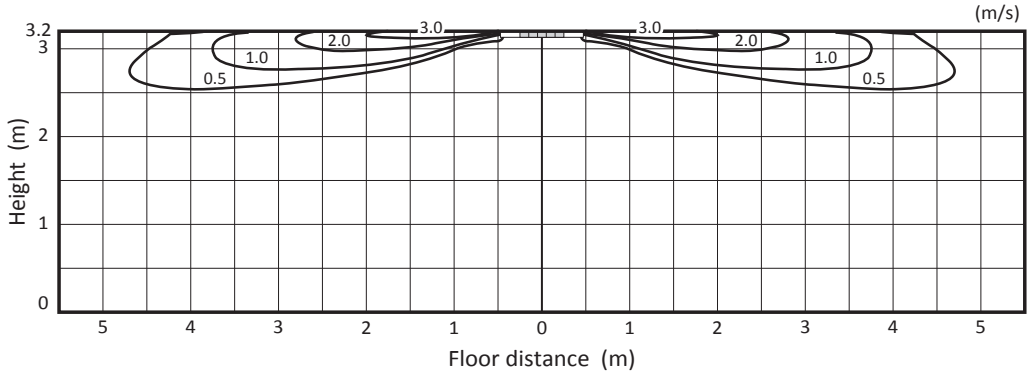


<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m

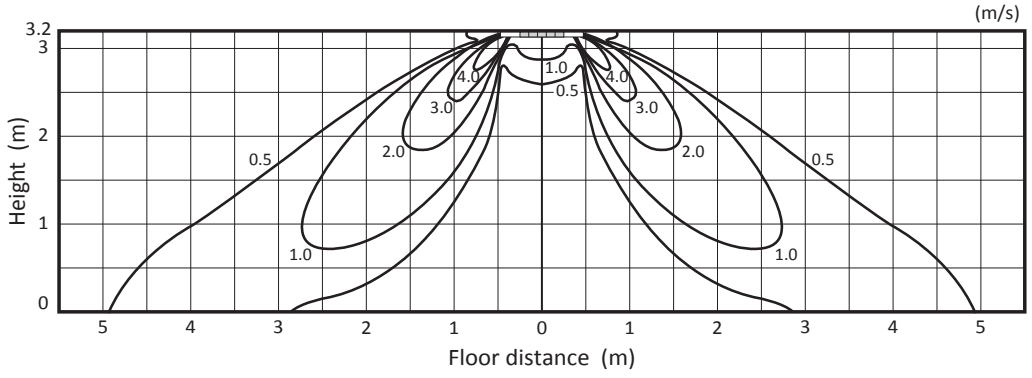


■AIRFLOW DISTRIBUTION

<Cooling mode> Standard
Flow angle : 10° 4-way flow
Ceiling height : 2.7m



<Heating mode> Standard
Flow angle : 60° 4-way flow
Ceiling height : 2.7m



A.1.9 OUTLET AIR SPEED AND COVERAGE RANGE

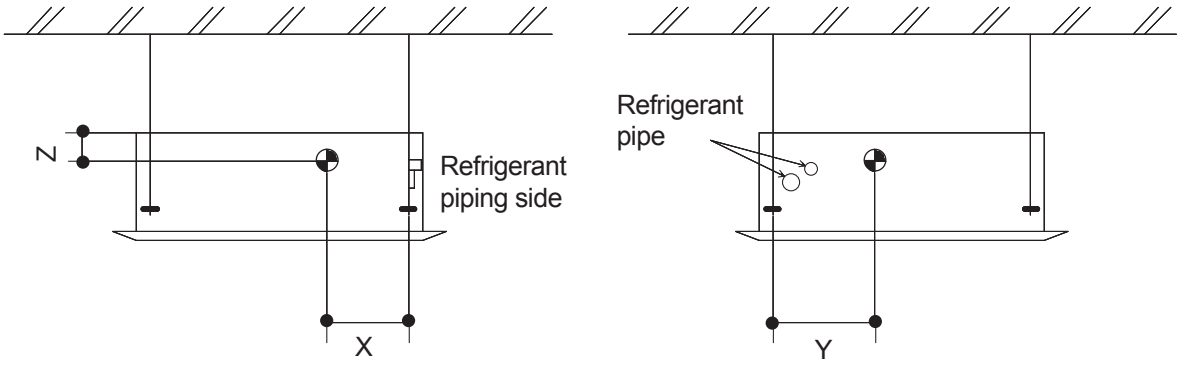
		PLA-ZM35EA	PLA-ZM50EA	PLA-ZM60EA	PLA-ZM71EA	PLA-ZM100EA	PLA-ZM125EA	PLA-ZM140EA
Air flow	m^3/min.	16	18	18	23	28	29	32
Air speed	m/sec.	2.5	2.8	2.8	3.6	4.4	4.5	5.0
Coverage range	m	4.1	4.6	4.6	5.8	7.0	7.3	8.0

		PLA-M35EA	PLA-M50EA	PLA-M60EA	PLA-M71EA	PLA-M100EA	PLA-M125EA	PLA-M140EA
Air flow	m^3/min.	16	18	18	21	29	31	32
Air speed	m/sec.	2.5	2.8	2.8	3.3	4.5	4.8	5.0
Coverage range	m	4.1	4.6	4.6	5.3	7.3	7.8	8.0

		PLA-SM71EA	PLA-SM100EA	PLA-SM125EA	PLA-SM140EA
Air flow	m^3/min.	21	29	31	32
Air speed	m/sec.	3.3	4.5	4.8	5.0
Coverage range	m	5.3	7.3	7.8	8.0

* The air coverage range is the distance to which the 0.25m/sec air can reach, when air is blown out horizontally from the unit at the High notch position.
The coverage range should be used only as a general guideline since it varies according to the size of the room and the furniture inside the room.

A.1.10 CENTER OF GRAVITY POSITION



Unit: mm

Model	X	Y	Z
PLA-ZM35EA PLA-ZM50EA PLA-ZM60EA	325	390	115
PLA-ZM71EA PLA-ZM100EA PLA-ZM125EA PLA-ZM140EA	325	380	100
PLA-M35EA PLA-M50EA PLA-M60EA PLA-M71EA	325	390	115
PLA-M100EA PLA-M125EA PLA-M140EA	325	380	100
PLA-SM71EA	325	390	115
PLA-SM100EA PLA-SM125EA PLA-SM140EA	325	380	100

A.2 WALL-MOUNTED (PKA)

A.2.1 SPECIFICATIONS

A.2.1.1 R32 type

Model Name	Indoor Unit				PKA-M35LA(L)	PKA-M50LA(L)
	Outdoor Unit				PUZ-ZM35VKA	PUZ-ZM50VKA
Power Supply				Source	Outdoor power supply	
	Out			V	230	230
				Phase	Single	Single
				Hz	50	50
	In			V	-	-
				Phase	-	-
				Hz	-	-
Refrigerant					R32	R32
Cooling	Capacity	Rated		kW	3.6	4.6
		Max.		kW	4.5	5.6
		Min.		kW	1.6	2.3
	SHF	Rated			0.74	0.66
	Total Input	Rated		kW	0.85	1.23
	EER				4.20	3.71
	Annual Electricity Consumption			kWh/a	194	244
	SEER				6.5	6.6
		Energy efficiency class			A++	A++
Heating	Capacity	Rated		kW	4.1	5.0
		Max.		kW	5.2	6.6
		Min.		kW	1.6	2.5
	Total Input	Rated		kW	1.04	1.34
	COP				3.94	3.72
	Annual Electricity Consumption			kWh/a	829	1074
	SCOP				4.0	4.3
		Energy efficiency class			A+	A+
Operating Current(max)				A	13.4	13.4
Indoor Unit	Input	Rated		kW	0.04	0.04
	Operating Current(max)			A	0.35	0.35
	Dimensions		Height	mm	299	299
			Width	mm	898	898
			Depth	mm	237	237
	Weight			kg	12.6	12.6
	Air Volume		Low	m³/min.	7.5	7.5
			Mid2	m³/min.	8.2	8.2
			Mid	m³/min.	9.2	9.2
			Hi	m³/min.	10.9	10.9
	External Static Pressure			Pa	0	0
	Sound Level (SPL)		Low	dB(A)	34	34
			Mid2	dB(A)	37	37
			Mid	dB(A)	40	40
			Hi	dB(A)	43	43
	Sound Level (PWL)	Cooling			60	60
Outdoor Unit	Dimensions		Height	mm	630	630
			Width	mm	809	809
			Depth	mm	300 (+23)	300 (+23)
	Weight			kg	46	46
	Air Volume	Cooling	Rated	m³/min.	45.0	45.0
		Heating	Rated	m³/min.	45.0	45.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	44	44
			Silent	dB(A)	41	41
		Heating	Rated	dB(A)	46	46
	Sound Level (PWL)	Cooling			65	65
	Operating Current(max)			A	13.0	13.0
	Breaker Size			A	16	16
Ext. Piping	Diameter	Liquid		mm	6.35	6.35
		Gas		mm	12.7	12.7
	Max. Length	Out-In		m	50	50
	Max. Height	Out-In	Below Indoor	m	30	30
			Above Indoor	m	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46
			Lower Limit.	°C	-15*	-15*
		Heating	Upper Limit.	°C	21	21
			Lower Limit.	°C	-11	-11

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PKA-M60KA(L)	PKA-M71KA(L)	PKA-M100KA(L)	PKA-M100(KAL)
	Outdoor Unit				PUZ-ZM60VHA	PUZ-ZM71VHA	PUZ-ZM100VKA	PUZ-ZM100YKA
Power Supply				Source	Outdoor power supply			
	Out			V	230	230	230	400
				Phase	Single	Single	Single	3
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R32	R32	R32	R32
Cooling	Capacity	Rated		kW	6.1	7.1	9.5	9.5
		Max.		kW	6.7	8.1	11.4	11.4
		Min.		kW	2.7	3.3	4.9	4.9
	SHF	Rated			0.86	0.78	0.73	0.73
	Total Input	Rated		kW	1.560	1.863	2.405	2.405
	EER				3.91	3.81	3.95	3.95
	Annual Electricity Consumption			kWh/a	313	364	508	519
	SEER				6.8	6.8	6.5	6.4
		Energy efficiency class			A++	A++	A++	A++
Heating	Capacity	Rated		kW	7.0	8.0	11.2	11.2
		Max.		kW	8.2	10.2	14.0	14.0
		Min.		kW	2.8	3.5	4.5	4.5
	Total Input	Rated		kW	1.732	2.116	3.102	3.102
	COP				4.04	3.78	3.61	3.61
	Annual Electricity Consumption			kWh/a	1460	1523	2472	2472
	SCOP				4.2	4.3	4.4	4.4
		Energy efficiency class			A+	A+	A+	A+
Operating Current(max)				A	19.4	19.4	27.1	8.6
Indoor Unit	Input	Rated		kW	0.060	0.060	0.080	0.080
	Operating Current(max)			A	0.43	0.43	0.57	0.57
	Dimensions		Height	mm	365	365	365	365
			Width	mm	1170	1170	1170	1170
			Depth	mm	295	295	295	295
	Weight			kg	21	21	21	21
	Air Volume		Low	m³/min.	18.0	18.0	20.0	20.0
			Mid2	m³/min.	-	-	-	-
			Mid	m³/min.	20.0	20.0	23.0	23.0
			Hi	m³/min.	22.0	22.0	26.0	26.0
	External Static Pressure			Pa	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	39	39	41	41
			Mid2	dB(A)	-	-	-	-
			Mid	dB(A)	42	42	45	45
			Hi	dB(A)	45	45	49	49
	Sound Level (PWL)	Cooling			64	64	65	65
Outdoor Unit	Dimensions		Height	mm	943	943	1338	1338
			Width	mm	950	950	1050	1050
			Depth	mm	330 (+25)	330 (+25)	330 (+40)	330 (+40)
	Weight			kg	70	70	116	123
	Air Volume	Cooling	Rated	m³/min.	55.0	55.0	110.0	110.0
		Heating	Rated	m³/min.	55.0	55.0	110.0	110.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	47	47	49	49
			Silent	dB(A)	44	44	46	46
		Heating	Rated	dB(A)	49	49	51	51
	Sound Level (PWL)	Cooling			67	67	69	69
	Operating Current(max)			A	19.0	19.0	26.5	8.0
	Breaker Size			A	25	25	32	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88	15.88
	Max. Length	Out-In		m	55	55	100	100
	Max. Height	Out-In	Below Indoor	m	30	30	30	30
			Above Indoor	m	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21
			Lower Limit.	°C	-20	-20	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PKA-M100KA(L)	PKA-M100KA(L)
	Outdoor Unit				PUZ-M100VKA	PUZ-M100YKA
Power Supply				Source	Outdoor power supply	
	Out			V	230	400
				Phase	Single	3
				Hz	50	50
	In			V	-	-
				Phase	-	-
				Hz	-	-
Refrigerant					R32	R32
Cooling	Capacity	Rated		kW	9.5	9.5
		Max.		kW	10.6	10.6
		Min.		kW	4.0	4.0
	SHF	Rated			0.73	0.73
	Total Input	Rated		kW	2.940	2.940
	EER				3.23	3.23
	Annual Electricity Consumption			kWh/a	572	572
	SEER				5.8	5.8
		Energy efficiency class			A^+	A^+
Heating	Capacity	Rated		kW	11.2	11.2
		Max.		kW	12.5	12.5
		Min.		kW	2.8	2.8
	Total Input	Rated		kW	3.28	3.28
	COP				3.41	3.41
	Annual Electricity Consumption			kWh/a	2797	2797
	SCOP				4.0	4.0
		Energy efficiency class			A^+	A^+
Operating Current(max)				A	20.6	12.1
Indoor Unit	Input	Rated		kW	0.080	0.080
	Operating Current(max)			A	0.57	0.57
	Dimensions		Height	mm	365	365
			Width	mm	1170	1170
			Depth	mm	295	295
	Weight			kg	21	21
	Air Volume		Low	m^3/min.	20.0	20.0
			Mid2	m^3/min.	-	-
			Mid	m^3/min.	23.0	23.0
			Hi	m^3/min.	26.0	26.0
	External Static Pressure			Pa	-	-
	Sound Level (SPL)		Low	dB(A)	41	41
			Mid2	dB(A)	-	-
			Mid	dB(A)	45	45
			Hi	dB(A)	49	49
	Sound Level (PWL)	Cooling			65	65
Outdoor Unit	Dimensions		Height	mm	981	981
			Width	mm	1050	1050
			Depth	mm	330 (+40)	330 (+40)
	Weight			kg	76	78
	Air Volume	Cooling	Rated	m^3/min.	79	79
		Heating	Rated	m^3/min.	79	79
	Sound Level (SPL)	Cooling	Rated	dB(A)	51	51
			Silent	dB(A)	49	49
		Heating	Rated	dB(A)	54	54
	Sound Level (PWL)	Cooling			70	70
	Operating Current(max)			A	20	11.5
	Breaker Size			A	32	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52
		Gas		mm	15.88	15.88
	Max. Length	Out-In		m	55	55
	Max. Height	Out-In	Below Indoor	m	30	30
			Above Indoor	m	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46
			Lower Limit.	°C	-15*	-15*
		Heating	Upper Limit.	°C	21	21
			Lower Limit.	°C	-15	-15

* Optional air protection guide is required where ambient temperature is lower than -5°C.

A.2.1.2 R410A type
1. ZUBADAN

Model Name	Indoor Unit				PKA-M100KA(L)	PKA-M100KA(L)
	Outdoor Unit				PUHZ-SHW112VHA(-BS)	PUHZ-SHW112YHA(-BS)
Power Supply				Source	Outdoor power supply	
	Out			V	230	400
				Phase	Single	3
				Hz	50	50
	In			V	-	-
				Phase	-	-
				Hz	-	-
Refrigerant					R410A	R410A
Cooling	Capacity	Rated		kW	10.0	10.0
		Max.		kW	11.4	11.4
		Min.		kW	4.9	4.9
	SHF	Rated			0.73	0.73
	Total Input	Rated		kW	2.924	2.924
	EER				3.42	3.42
	Annual Electricity Consumption			kWh/a	673	673
	SEER				5.2	5.2
		Energy efficiency class			A	A
Heating	Capacity	Rated		kW	11.2	11.2
		Max.		kW	14.0	14.0
		Min.		kW	4.5	4.5
	Total Input	Rated		kW	3.103	3.103
	COP				3.61	3.61
	Annual Electricity Consumption			kWh/a	4664	4664
	SCOP				3.8	3.8
		Energy efficiency class			A	A
Operating Current(max)				A	35.6	13.6
Indoor Unit	Input	Rated		kW	0.080	0.080
	Operating Current(max)			A	0.57	0.57
	Dimensions		Height	mm	365	365
			Width	mm	1170	1170
			Depth	mm	295	295
	Weight			kg	21	21
	Air Volume		Low	m³/min.	20.0	20.0
			Mid2	m³/min.	-	-
			Mid	m³/min.	23.0	23.0
			Hi	m³/min.	26.0	26.0
	External Static Pressure			Pa	-	-
	Sound Level (SPL)		Low	dB(A)	41	41
			Mid2	dB(A)	-	-
			Mid	dB(A)	45	45
			Hi	dB(A)	49	49
	Sound Level (PWL)	Cooling			65	65
Outdoor Unit	Dimensions		Height	mm	1350	1350
			Width	mm	950	950
			Depth	mm	330 (+30)	330 (+30)
	Weight			kg	120	134
	Air Volume	Cooling	Rated	m³/min.	100.0	100.0
		Heating	Rated	m³/min.	100.0	100.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	51	51
			Silent	dB(A)	48	48
		Heating	Rated	dB(A)	52	52
	Sound Level (PWL)	Cooling			69	69
	Operating Current(max)			A	35.0	13.0
	Breaker Size			A	40	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52
		Gas		mm	15.88	15.88
	Max. Length	Out-In		m	75	75
	Max. Height	Out-In	Below Indoor	m	30	30
			Above Indoor	m	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46
			Lower Limit.	°C	-15*	-15*
		Heating	Upper Limit.	°C	21	21
			Lower Limit.	°C	-25	-25

* Optional air protection guide is required where ambient temperature is lower than -5°C.

2. Power Inverter SERIES

Model Name	Indoor Unit				PKA-M35LA(L)	PKA-M50LA(L)
	Outdoor Unit				PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2
Power Supply				Source	Outdoor power supply	
	Out			V	230	230
				Phase	Single	Single
				Hz	50	50
	In			V	-	-
				Phase	-	-
				Hz	-	-
Refrigerant					R410A	R410A
Cooling	Capacity	Rated		kW	3.6	4.6
		Max.		kW	4.5	5.4
		Min.		kW	1.6	2.3
	SHF	Rated			0.76	0.67
	Total Input	Rated		kW	0.94	1.42
	EER				3.80	3.23
	Annual Electricity Consumption			kWh/a	206	263
	SEER				6.1	6.1
		Energy efficiency class			A++	A++
Heating	Capacity	Rated		kW	4.1	5.0
		Max.		kW	5.2	7.3
		Min.		kW	1.6	2.5
	Total Input	Rated		kW	1.07	1.50
	COP				3.83	3.33
	Annual Electricity Consumption			kWh/a	841	1126
	SCOP				3.9	4.1
		Energy efficiency class			A	A+
Operating Current(max)				A	13.4	13.4
Indoor Unit	Input	Rated		kW	0.04	0.04
	Operating Current(max)			A	0.35	0.35
	Dimensions		Height	mm	299	299
			Width	mm	898	898
			Depth	mm	237	237
	Weight			kg	12.6	12.6
	Air Volume		Low	m³/min.	7.5	7.5
			Mid2	m³/min.	8.2	8.2
			Mid	m³/min.	9.2	9.2
			Hi	m³/min.	10.9	10.9
	External Static Pressure			Pa	0	0
	Sound Level (SPL)		Low	dB(A)	34	34
			Mid2	dB(A)	37	37
			Mid	dB(A)	40	40
			Hi	dB(A)	43	43
	Sound Level (PWL)	Cooling			60	60
Outdoor Unit	Dimensions		Height	mm	630	630
			Width	mm	809	809
			Depth	mm	300 (+23)	300 (+23)
	Weight			kg	43	46
	Air Volume	Cooling	Rated	m³/min.	45.0	45.0
		Heating	Rated	m³/min.	45.0	45.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	44	44
			Silent	dB(A)	41	41
		Heating	Rated	dB(A)	46	46
	Sound Level (PWL)	Cooling			65	65
	Operating Current(max)			A	13.0	13.0
	Breaker Size			A	16	16
Ext. Piping	Diameter	Liquid		mm	6.35	6.35
		Gas		mm	12.7	12.7
	Max. Length	Out-In		m	50	50
	Max. Height	Out-In	Below Indoor	m	30	30
			Above Indoor	m	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46
			Lower Limit.	°C	-15*	-15*
		Heating	Upper Limit.	°C	21	21
			Lower Limit.	°C	-11	-11

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PKA-M60KA(L)	PKA-M71KA(L)	PKA-M100KA(L)	PKA-M100KA(L)
	Outdoor Unit				PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3
Power Supply				Source	Outdoor power supply			
	Out			V	230	230	230	400
				Phase	Single	Single	Single	3
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	6.1	7.1	9.5	9.5
		Max.		kW	6.7	8.1	11.4	11.4
		Min.		kW	2.7	3.3	4.9	4.9
	SHF	Rated			0.86	0.78	0.73	0.73
	Total Input	Rated		kW	1.60	1.80	2.40	2.40
	EER				3.81	3.94	3.96	3.96
	Annual Electricity Consumption			kWh/a	324	368	522	533
	SEER				6.5	6.7	6.3	6.2
		Energy efficiency class			A++	A++	A++	A++
Heating	Capacity	Rated		kW	7.0	8.0	11.2	11.2
		Max.		kW	8.2	10.2	14.0	14.0
		Min.		kW	2.8	3.5	4.5	4.5
	Total Input	Rated		kW	1.96	2.19	3.04	3.04
	COP				3.57	3.65	3.68	3.68
	Annual Electricity Consumption			kWh/a	1473	1532	2608	2608
	SCOP				4.2	4.3	4.1	4.1
		Energy efficiency class			A+	A+	A+	A+
Operating Current(max)				A	19.4	19.4	27.1	8.6
Indoor Unit	Input	Rated		kW	0.060	0.060	0.080	0.080
	Operating Current(max)			A	0.43	0.43	0.57	0.57
	Dimensions		Height	mm	365	365	365	365
			Width	mm	1170	1170	1170	1170
			Depth	mm	295	295	295	295
	Weight			kg	21	21	21	21
	Air Volume		Low	m³/min.	18.0	18.0	20.0	20.0
			Mid2	m³/min.	-	-	-	-
			Mid	m³/min.	20.0	20.0	23.0	23.0
			Hi	m³/min.	22.0	22.0	26.0	26.0
	External Static Pressure			Pa	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	39	39	41	41
			Mid2	dB(A)	-	-	-	-
			Mid	dB(A)	42	42	45	45
			Hi	dB(A)	45	45	49	49
	Sound Level (PWL)	Cooling			64	64	65	65
Outdoor Unit	Dimensions		Height	mm	943	943	1338	1338
			Width	mm	950	950	1050	1050
			Depth	mm	330 (+30)	330 (+30)	330 (+40)	330 (+40)
	Weight			kg	70	70	116	123
	Air Volume	Cooling	Rated	m³/min.	55.0	55.0	110.0	110.0
		Heating	Rated	m³/min.	55.0	55.0	110.0	110.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	47	47	49	49
			Silent	dB(A)	44	44	46	46
		Heating	Rated	dB(A)	48	48	51	51
	Sound Level (PWL)	Cooling			67	67	69	69
	Operating Current(max)			A	19.0	19.0	26.5	8.0
	Breaker Size			A	25	25	32	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88	15.88
	Max. Length	Out-In		m	50	50	75	75
	Max. Height	Out-In	Below Indoor	m	30	30	30	30
			Above Indoor	m	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21
			Lower Limit.	°C	-20	-20	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

3. Mr.Slim+

Model Name	Indoor Unit				PKA-M71KA(L)
	Outdoor Unit				PUHZ-FRP71VHA2
Power Supply				Source	Outdoor power supply
	Out			V	230
				Phase	Single
				Hz	50
	In			V	-
				Phase	-
				Hz	-
Refrigerant					R410A
Cooling	Capacity	Rated		kW	7.1
		Max.		kW	8.1
		Min.		kW	3.3
	SHF	Rated			0.78
	Total Input	Rated		kW	1.93
	EER				3.67
	Annual Electricity Consumption			kWh/a	386
	SEER				6.4
		Energy efficiency class			A++
Heating	Capacity	Rated		kW	8.0
		Max.		kW	10.2
		Min.		kW	3.5
	Total Input	Rated		kW	2.29
	COP				3.50
	Annual Electricity Consumption			kWh/a	1564
	SCOP				4.2
		Energy efficiency class			A+
Operating Current(max)				A	19.4
Indoor Unit	Input	Rated		kW	0.060
	Operating Current(max)			A	0.43
	Dimensions		Height	mm	365
			Width	mm	1170
			Depth	mm	295
	Weight			kg	21
	Air Volume		Low	m³/min.	18.0
			Mid2	m³/min.	-
			Mid	m³/min.	20.0
			Hi	m³/min.	22.0
	External Static Pressure			Pa	-
	Sound Level (SPL)		Low	dB(A)	39
			Mid2	dB(A)	-
			Mid	dB(A)	42
			Hi	dB(A)	45
	Sound Level (PWL)	Cooling			64
Outdoor Unit	Dimensions		Height	mm	943
			Width	mm	950
			Depth	mm	330 (+30)
	Weight			kg	73
	Air Volume	Cooling	Rated	m³/min.	50
		Heating	Rated	m³/min.	50
	Sound Level (SPL)	Cooling	Rated	dB(A)	47
			Silent	dB(A)	-
		Heating	Rated	dB(A)	49
	Sound Level (PWL)	Cooling			67
	Operating Current(max)			A	19.0
	Breaker Size			A	25
Ext. Piping	Diameter	Liquid		mm	9.52
		Gas		mm	15.88
	Max. Length	Out-In		m	60
	Max. Height	Out-In	Below Indoor	m	20
			Above Indoor	m	20
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46
			Lower Limit.	°C	-15*
		Heating	Upper Limit.	°C	21
			Lower Limit.	°C	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

4. Standard Inverter SERIES

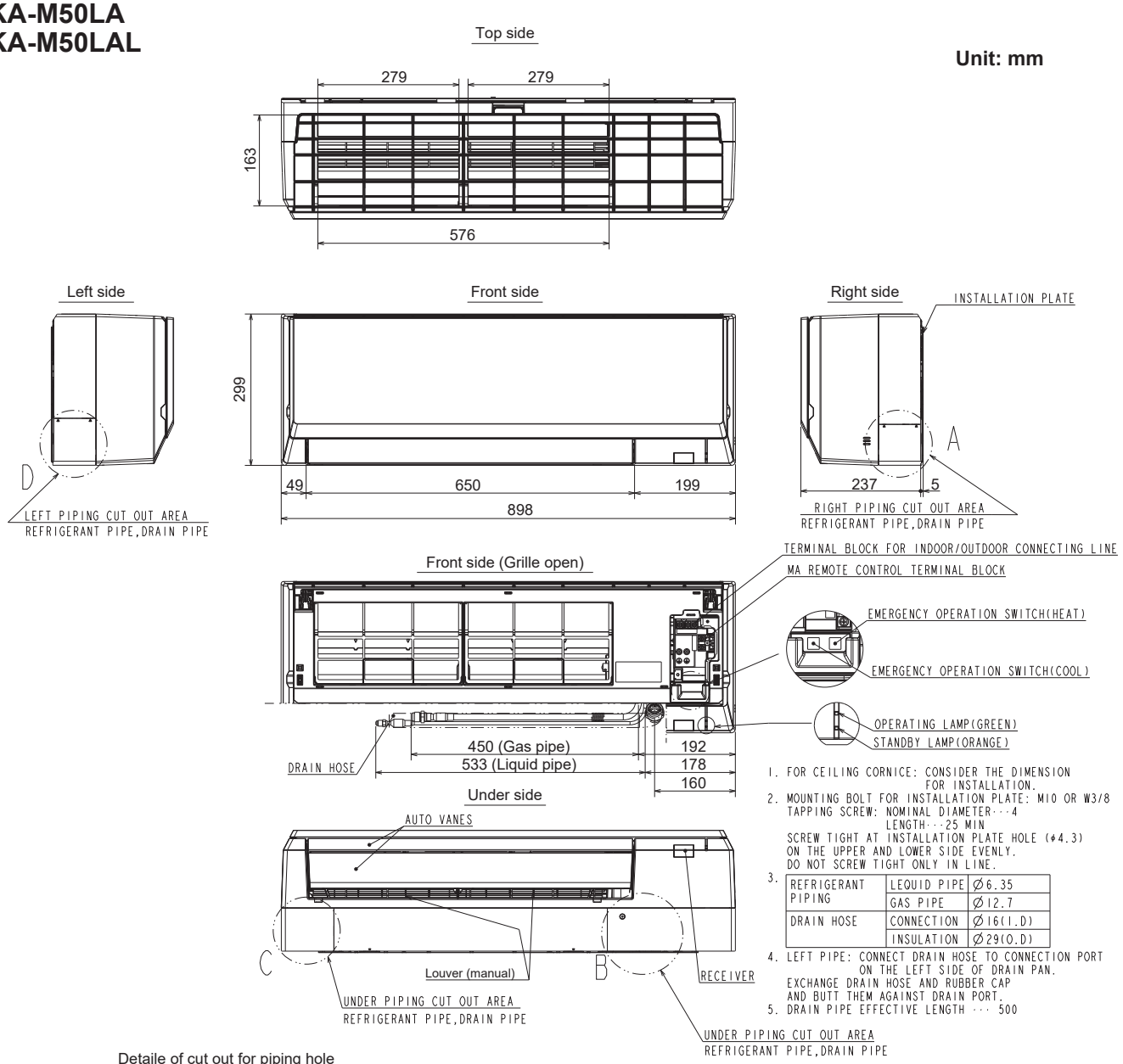
Model Name	Indoor Unit				PKA-M100KA(L)	
	Outdoor Unit				PUHZ-P100VKA	PUHZ-P100YKA
Power Supply				Source	Outdoor power supply	
	Out			V	230	400
				Phase	Single	3
				Hz	50	
	In			V	-	
				Phase	-	
				Hz	-	
Refrigerant					R410A	
Cooling	Capacity	Rated		kW	9.4	
		Max.		kW	10.6	
		Min.		kW	3.7	
	SHF	Rated			0.73	
	Total Input	Rated		kW	3.120	
	EER				3.01	
	Annual Electricity Consumption			kWh/a	586	586
	SEER				5.6	5.6
		Energy efficiency class			A+	A+
Heating	Capacity	Rated		kW	11.2	
		Max.		kW	12.5	
		Min.		kW	2.8	
	Total Input	Rated		kW	3.48	
	COP				3.21	
	Annual Electricity Consumption			kWh/a	2795	2795
	SCOP				4.0	4.0
		Energy efficiency class			A+	A+
Operating Current(max)				A	20.6	12.1
Indoor Unit	Input	Rated		kW	0.080	
	Operating Current(max)			A	0.57	
	Dimensions		Height	mm	365	
			Width	mm	1170	
			Depth	mm	295	
	Weight			kg	21	
	Air Volume		Low	m³/min.	20.0	
			Mid2	m³/min.	-	
			Mid	m³/min.	23.0	
			Hi	m³/min.	26.0	
	External Static Pressure			Pa	-	
	Sound Level (SPL)		Low	dB(A)	41	
			Mid2	dB(A)	-	
			Mid	dB(A)	45	
			Hi	dB(A)	49	
	Sound Level (PWL)	Cooling			65	
Outdoor Unit	Dimensions		Height	mm	981	
			Width	mm	1050	
			Depth	mm	330(+40)	
	Weight			kg	76	78
	Air Volume	Cooling	Rated	m³/min.	79	
		Heating	Rated	m³/min.	79	
	Sound Level (SPL)	Cooling	Rated	dB(A)	51	
			Silent	dB(A)	49	
		Heating	Rated	dB(A)	54	
	Sound Level (PWL)	Cooling			70	70
	Operating Current(max)			A	20	11.5
	Breaker Size			A	32	16
Ext. Piping	Diameter	Liquid		mm	9.52	
		Gas		mm	15.88	
	Max. Length	Out-In		m	50	
	Max. Height	Out-In	Below Indoor	m	30	
			Above Indoor	m	30	
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	
			Lower Limit.	°C	-15*	
		Heating	Upper Limit.	°C	21	
			Lower Limit.	°C	-15	

* Optional air protection guide is required where ambient temperature is lower than -5°C.

A.2.2 OUTLINES AND DIMENSIONS

PKA-M35LA
PKA-M35LAL
PKA-M50LA
PKA-M50LAL

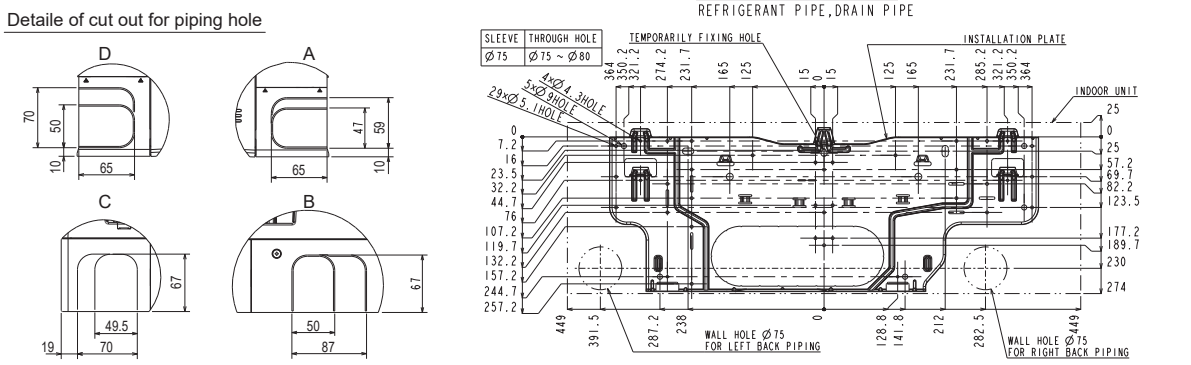
Unit: mm

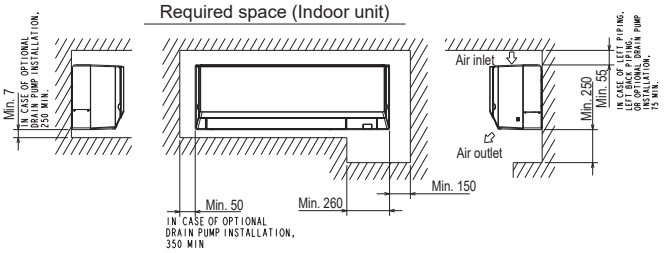


1. FOR CEILING CORNICE: CONSIDER THE DIMENSION FOR INSTALLATION.
2. MOUNTING BOLT FOR INSTALLATION PLATE: M10 OR W3/8
   TAPPING SCREW: NOMINAL DIAMETER···4
   LENGTH···25 MIN
   SCREW TIGHT AT INSTALLATION PLATE HOLE (ϕ4.3)
   ON THE UPPER AND LOWER SIDE EVENLY.
   DO NOT SCREW TIGHT ONLY IN LINE.
3.

REFRIGERANT PIPING	LEQUID PIPE	Ø6.35
	GAS PIPE	Ø12.7
DRAIN HOSE	CONNECTION	Ø16(I.D)
	INSULATION	Ø29(O.D)

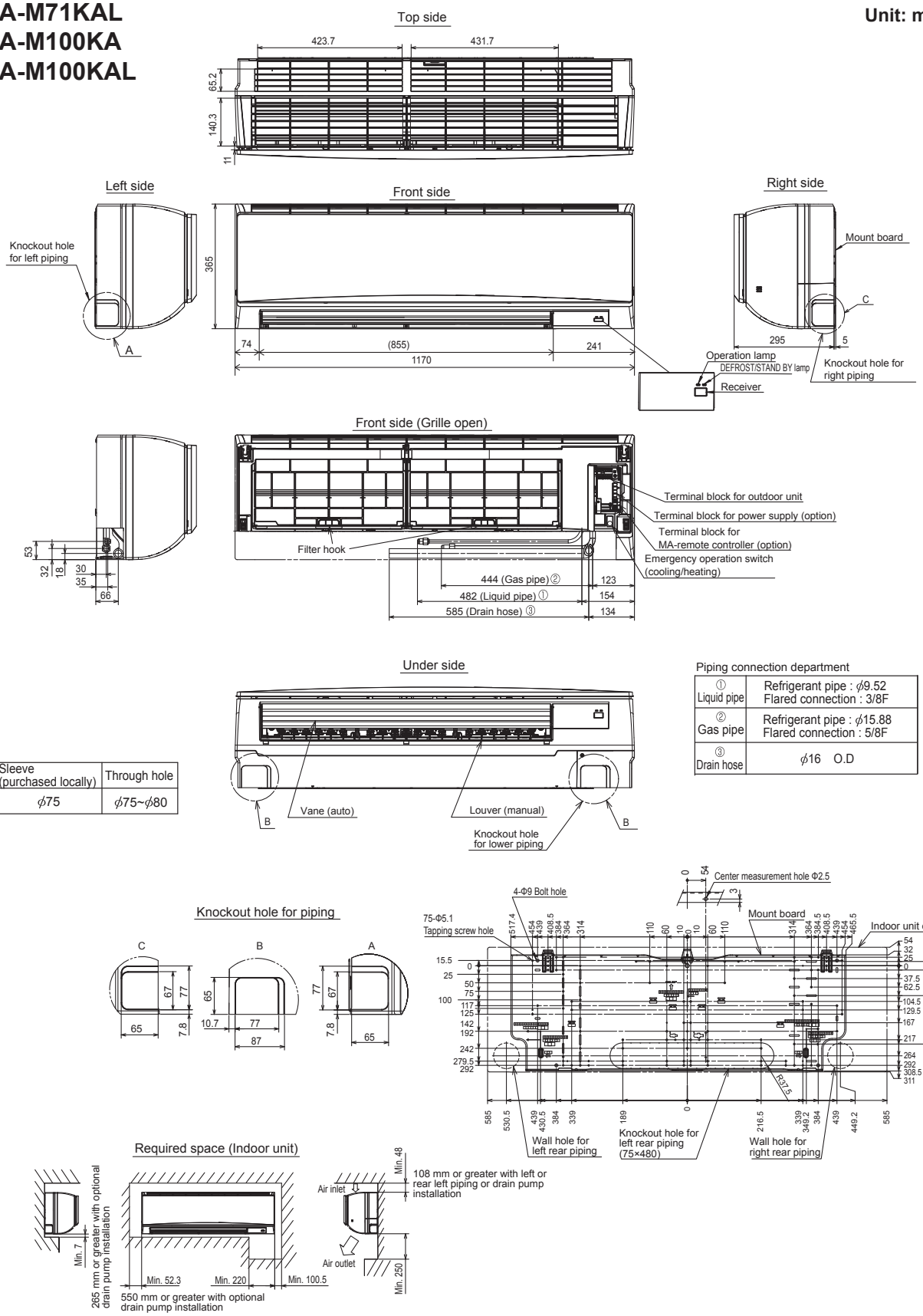
4. LEFT PIPE: CONNECT DRAIN HOSE TO CONNECTION PORT ON THE LEFT SIDE OF DRAIN PAN.
   EXCHANGE DRAIN HOSE AND RUBBER CAP AND BUTT THEM AGAINST DRAIN PORT.
5. DRAIN PIPE EFFECTIVE LENGTH ··· 500





PKA-M60KA
PKA-M60KAL
PKA-M71KA
PKA-M71KAL
PKA-M100KA
PKA-M100KAL

Unit: mm



Sleeve (purchased locally)	Through hole
ϕ75	ϕ75~ϕ80

Piping connection department

① Liquid pipe	Refrigerant pipe : ϕ9.52 Flared connection : 3/8F
② Gas pipe	Refrigerant pipe : ϕ15.88 Flared connection : 5/8F
③ Drain hose	ϕ16 O.D

A.2.3 WIRING DIAGRAM

PKA-M35LA PKA-M35LAL
PKA-M50LA PKA-M50LAL

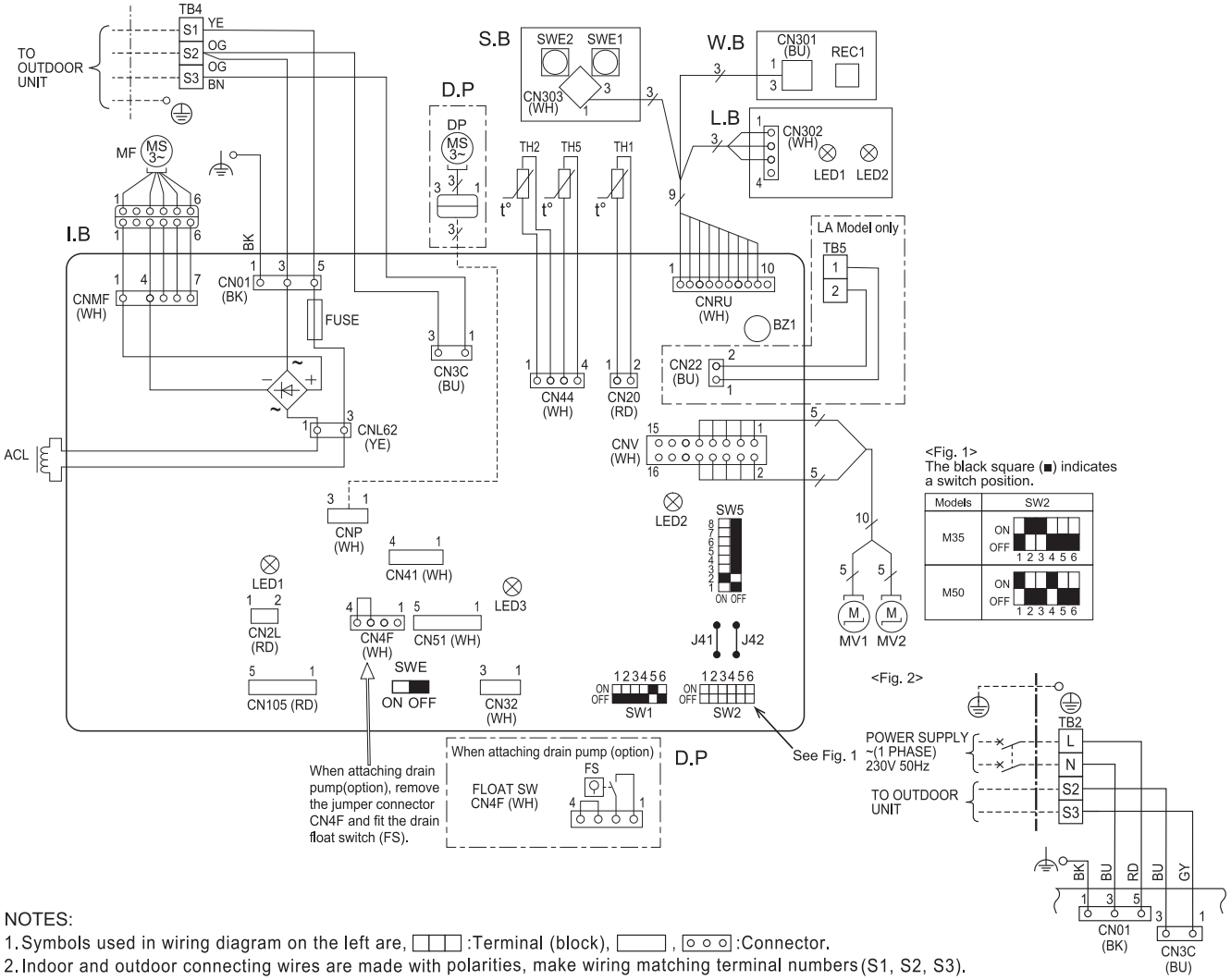
[LEGEND]

SYMBOL	NAME		SYMBOL	NAME		SYMBOL	NAME	
I.B	INDOOR CONTROLLER BOARD		MF	FAN MOTOR		ACL	REACTOR	
BZ1	BUZZER		MV1	VANE MOTOR (UPPER)		OPTION PART		
CNP	CONNECTOR	DRAIN PUMP (OPTION) POWER SUPPLY (DRAIN PUMP (OPTION))	MV2	VANE MOTOR (LOWER)		D.P	DRAIN PUMP KIT	
			TB4	TERMINAL BLOCK	INDOOR/OUTDOOR CONNECTING LINE	FS	DRAIN FLOAT SWITCH	
CN2L		LOSSNAY	TB5		REMOTE CONTROLLER	DP	DRAIN PUMP	
CN32		REMOTE SWITCH	TH1	THERMISTOR	ROOM TEMP. DETECTION (0°C / 15kΩ, 25°C / 5. 4kΩ)	TB2	TERMINAL BLOCK	INDOOR UNIT POWER AND TRANSMISSION LINE
CN41		HA TERMINAL-A						
CN4F		DRAIN FLOAT SWITCH (DRAIN PUMP (OPTION))	TH2		PIPE TEMP. DETECTION/LIQUID (0°C / 15kΩ, 25°C / 5. 4kΩ)			
CN51		CENTRALLY CONTROL	TH5		COND. / EVA. TEMP. DETECTION (0°C / 15kΩ, 25°C / 5. 4kΩ)			
CN105		IT TERMINAL						
FUSE	FUSE (T3.15AL250V)		S.B	SWITCH BOARD				
LED1	POWER SUPPLY (I.B)		SWE1	EMERGENCY OPERATION (HEAT)				
LED2	POWER SUPPLY (REMOTE CONTROLLER)		SWE2	EMERGENCY OPERATION (COOL)				
LED3	TRANSMISSION (INDOOR-OUTDOOR)		W.B	PCB FOR WIRELESS RECEIVER				
SW1	SWITCH	MODEL SELECTION	REC1	RECEIVING UNIT				
SW2		CAPACITY CODE	L.B	LED BOARD				
SW5		FUNCTION SETTING	LED1	LED (OPERATION INDICATION : GREEN)				
SWE		FAN DRAIN PUMP (TEST MODE)	LED2	LED (PREPARATION FOR HEATING : ORANGE)				

[Self-diagnosis]

1. For details on how to operate self-diagnosis with the wireless remote controller,refer to the technical manuals etc.

Check code	Symptom	Check code	Symptom
P1	Abnormality of room temperature thermistor (TH1).	PB(Pb)	Indoor unit fan motor error.
P2	Abnormality of pipe temperature thermistor / Liquid (TH2).	PL	Refrigerant circuit abnormal.
P4	Float switch connector open (FS).	E0~E5	Abnormality of the signal transmission between remote controller and indoor unit.
P5	Malfunction of Drain pump.		
P6	Freezing / overheating protection is working.	E6~EF	Abnormality of the signal transmission between indoor unit and outdoor unit.
P8	Abnormality of pipe temperature.		
P9	Abnormality of pipe temperature thermistor / Cond. /Eva. (TH5).	FB(Fb)	Abnormality of indoor controller board.
		U*, F*	Abnormality in outdoor unit. Refer to outdoor unit wiring diagram.
PA	Leakage error (refrigerant system)		



<Fig. 1>
The black square (■) indicates a switch position.

Models	SW2
M35	ON OFF 1 2 3 4 5 6
M50	ON OFF 1 2 3 4 5 6

<Fig. 2>

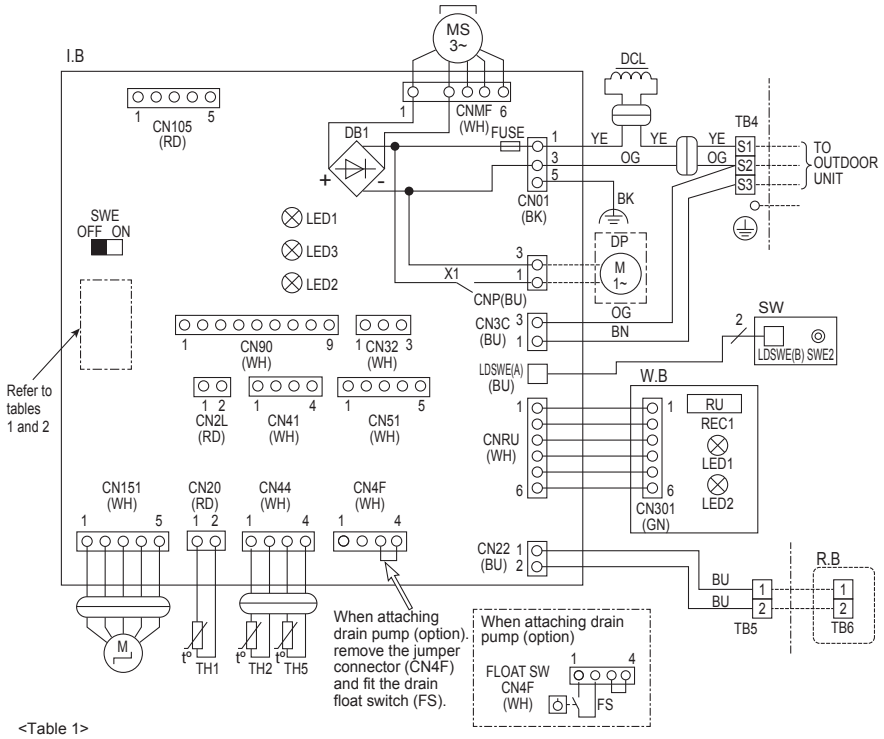
NOTES:

1. Symbols used in wiring diagram on the left are, ☐☐☐ :Terminal (block), ☐ , ☐☐☐ :Connector.
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires (specification of 230V), adopting superimposed system of power and signal.
   - If the separate indoor/outdoor unit power supplied system is applied, refer to Fig. 2.
   - For power supply system of this unit, refer to the caution label located near this diagram.

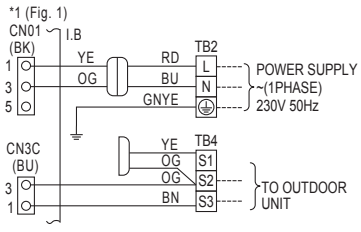
PKA-M60KA
PKA-M71KA
PKA-M100KA

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD	M	VANE MOTOR
CNP	DRAIN PUMP (OPTION) POWER SUPPLY (DRAIN PUMP (OPTION))	MS	FAN MOTOR
		S.W	SWITCH BOARD
CN105	CONNECTOR	SWE2	EMERGENCY OPERATION
CN2L	CONNECTOR (LOSSNAY)	TB2	TERMINAL BLOCK (INDOOR UNIT POWER (OPTION))
CN32	CONNECTOR (REMOTE SWITCH)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN41	CONNECTOR (HA TERMINAL-A)	TB5	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
CN4F	DRAIN FLOAT SWITCH (DRAIN PUMP (OPTION))		
CN51	CONNECTOR (CENTRALLY CONTROL)	TH1	ROOM TEMP. THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)
CN90	CONNECTOR (REMOTE OPERATION ADAPTER)		
FUSE	FUSE (T3.15AL250V)	TH2	PIPE TEMP. THERMISTOR/LIQUID (0°C/15kΩ, 25°C/5.4kΩ DETECT)
LED1	POWER SUPPLY (I.B)		
LED2	POWER SUPPLY (R.B)	TH5	COND./EVA. TEMP. THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)
LED3	TRANSMISSION (INDOOR-OUTDOOR)		
SW1	SWITCH (MODEL SELECTION) * Refer to <table 1>	W.B	PCB FOR WIRELESS REMOTE CONTROLLER
SW2	SWITCH (CAPACITY CODE) * Refer to <table 2>	LED1	LED (OPERATION INDICATION : GREEN)
SWE	CONNECTOR (EMERGENCY OPERATION)	LED2	LED (PREPARATION FOR HEATING : ORANGE)
X1	RELAY (DRAIN PUMP (OPTION))	REC1	RECEIVING UNIT
R.B	WIRED REMOTE CONTROLLER (OPTION)	DCL	REACTOR
TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)	DP	DRAIN PUMP (OPTION)
		FS	DRAIN FLOAT SWITCH (OPTION)



Notes:
1. Symbols used in wiring diagram above are, ○○○:Connector, □□□:Terminal (block).
2. Indoor and outdoor connecting wires have polarities, make sure to match terminal numbers (S1, S2, S3) for correct wirings.
3. Since the outdoor side electric wiring may change, be sure to check the outdoor unit electric wiring diagram for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires. (specification of 230V), adopting superimposed system of power and signal.
   *1 : When work to supply power separately to indoor and outdoor units was applied, refer to Fig 1.
   *2 : For power supply system of this unit, refer to the caution label located near this diagram.



<Table 1>
SW1
(MODEL SELECTION)

SETTING
1 2 3 4 5 ON OFF

<Table 2>
SW2 (CAPACITY CODE)

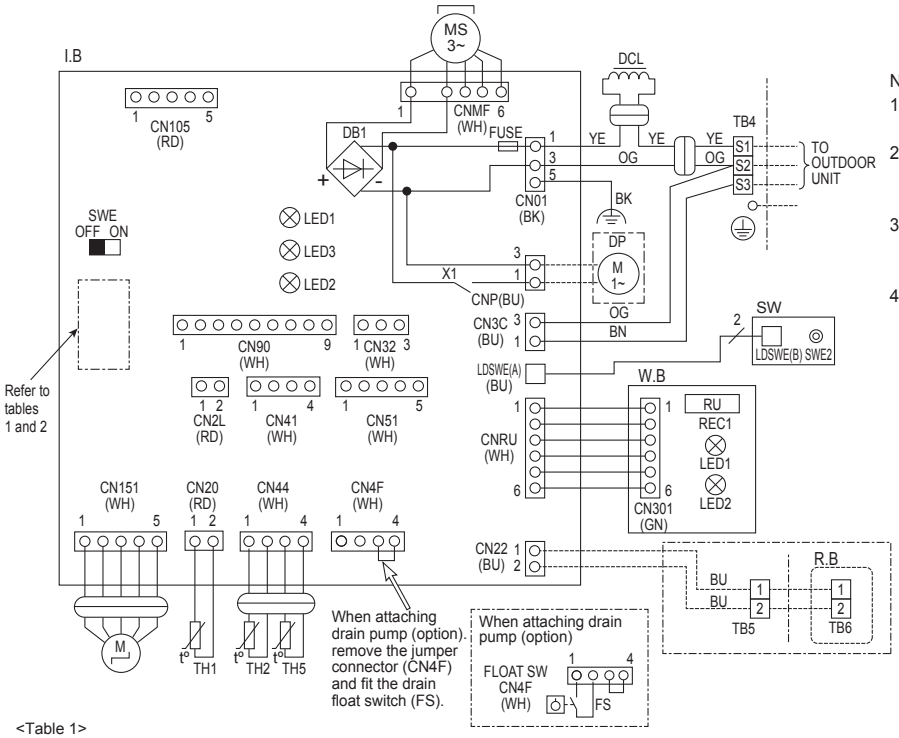
The black square (■) indicates a switch position.

CAPACITY	SETTING	CAPACITY	SETTING	CAPACITY	SETTING
60	1 2 3 4 5 ON OFF	71	1 2 3 4 5 ON OFF	100	1 2 3 4 5 ON OFF

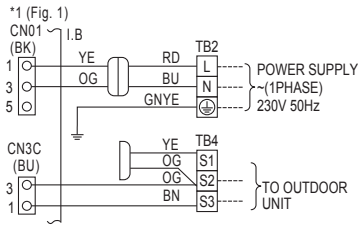
PKA-M60KAL
PKA-M71KAL
PKA-M100KAL

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD	M	VANE MOTOR
CNP	DRAIN PUMP (OPTION) POWER SUPPLY (DRAIN PUMP (OPTION))	MS	FAN MOTOR
		S.W	SWITCH BOARD
CN105	CONNECTOR	SWE2	EMERGENCY OPERATION
CN2L	CONNECTOR (LOSSNAY)	TB2	TERMINAL BLOCK (INDOOR UNIT POWER (OPTION))
CN32	CONNECTOR (REMOTE SWITCH)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN41	CONNECTOR (HA TERMINAL-A)	TB5	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE (OPTION))
CN4F	DRAIN FLOAT SWITCH (DRAIN PUMP (OPTION))		
CN51	CONNECTOR (CENTRALLY CONTROL)	TH1	ROOM TEMP. THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)
CN90	CONNECTOR (REMOTE OPERATION ADAPTER)		
FUSE	FUSE (T3.15AL250V)	TH2	PIPE TEMP. THERMISTOR/LIQUID (0°C/15kΩ, 25°C/5.4kΩ DETECT)
LED1	POWER SUPPLY (I.B)		
LED2	POWER SUPPLY (R.B)	TH5	COND./EVA. TEMP. THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)
LED3	TRANSMISSION (INDOOR-OUTDOOR)		
SW1	SWITCH (MODEL SELECTION) * Refer to <table 1>	W.B	PCB FOR WIRELESS REMOTE CONTROLLER
SW2	SWITCH (CAPACITY CODE) * Refer to <table 2>	LED1	LED (OPERATION INDICATION : GREEN)
SWE	CONNECTOR (EMERGENCY OPERATION)	LED2	LED (PREPARATION FOR HEATING : ORANGE)
X1	RELAY (DRAIN PUMP (OPTION))	REC1	RECEIVING UNIT
R.B	WIRED REMOTE CONTROLLER (OPTION)	DCL	REACTOR
TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)	DP	DRAIN PUMP (OPTION)
		FS	DRAIN FLOAT SWITCH (OPTION)



Notes:
1. Symbols used in wiring diagram above are, ○○○:Connector, □□□:Terminal (block).
2. Indoor and outdoor connecting wires have polarities, make sure to match terminal numbers (S1, S2, S3) for correct wirings.
3. Since the outdoor side electric wiring may change, be sure to check the outdoor unit electric wiring diagram for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires. (specification of 230V), adopting superimposed system of power and signal.
   - *1 : When work to supply power separately to indoor and outdoor units was applied, refer to Fig 1.
   - *2 : For power supply system of this unit, refer to the caution label located near this diagram.



<Table 1>
SW1
(MODEL SELECTION)

SETTING
1 2 3 4 5 ON OFF

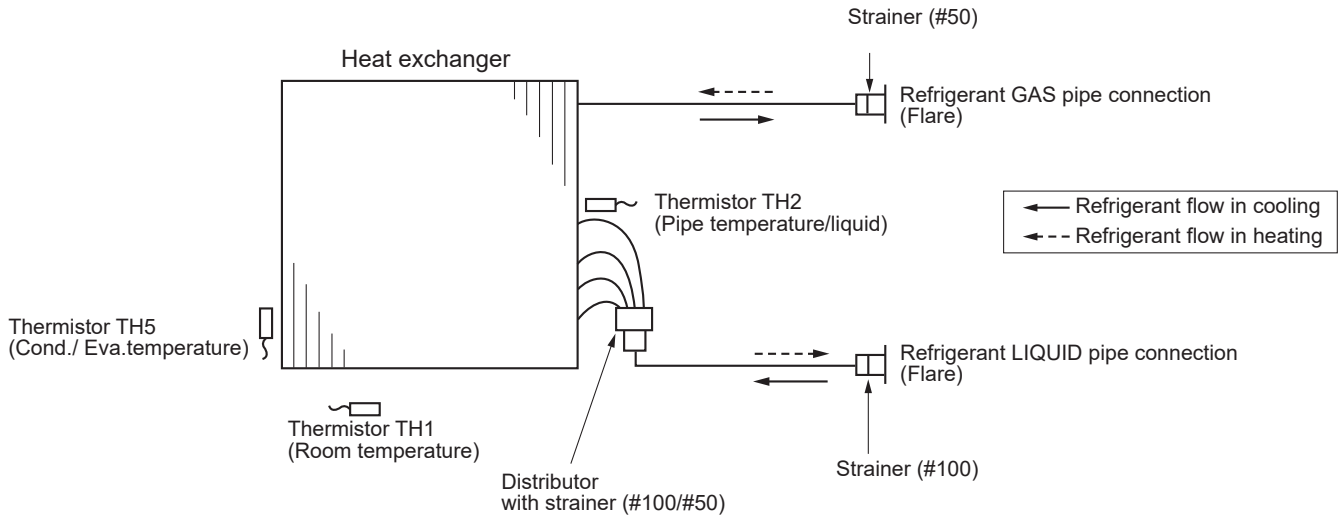
<Table 2>
SW2 (CAPACITY CODE)

The black square (■) indicates a switch position.

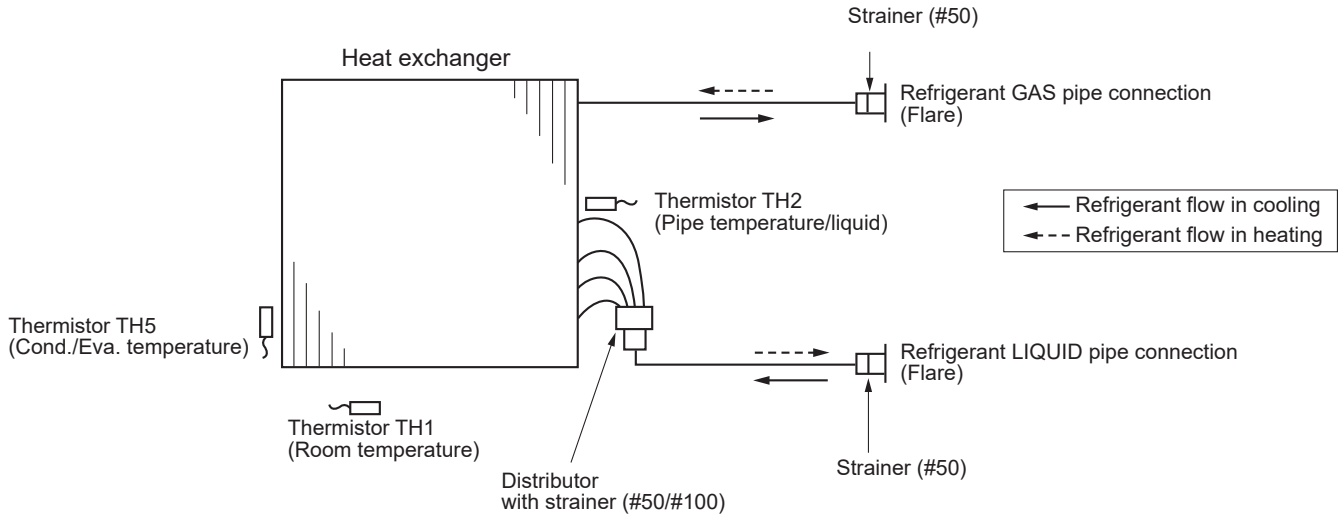
CAPACITY	SETTING	CAPACITY	SETTING	CAPACITY	SETTING
60	1 2 3 4 5 ON OFF	71	1 2 3 4 5 ON OFF	100	1 2 3 4 5 ON OFF

A.2.4 REFRIGERANT SYSTEM DIAGRAM

PKA-M35LA
PKA-M35LAL
PKA-M50LA
PKA-M50LAL



PKA-M60KA
PKA-M60KAL
PKA-M71KA
PKA-M71KAL
PKA-M100KA
PKA-M100KAL



A.2.5 PERFORMANCE DATA

A.2.5.1 R32 type

COOLING CAPACITY

PKA-M35LA PKA-M35LAL / PUZ-ZM35VKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	3,564	2,281	0.64	0.68	3,456	2,212	0.64	0.72	3,348	2,143	0.64	0.76
20	18	3,816	1,984	0.52	0.69	3,708	1,928	0.52	0.73	3,582	1,863	0.52	0.78
20	20	4,104	1,642	0.40	0.71	4,014	1,606	0.40	0.75	3,906	1,562	0.40	0.80
22	16	3,564	2,566	0.72	0.68	3,456	2,488	0.72	0.72	3,348	2,411	0.72	0.76
22	18	3,816	2,290	0.60	0.69	3,708	2,225	0.60	0.73	3,582	2,149	0.60	0.78
22	20	4,104	1,970	0.48	0.71	4,014	1,927	0.48	0.75	3,906	1,875	0.48	0.80
24	16	3,564	2,851	0.80	0.68	3,456	2,765	0.80	0.72	3,348	2,678	0.80	0.76
24	18	3,816	2,595	0.68	0.69	3,708	2,521	0.68	0.73	3,582	2,436	0.68	0.78
24	20	4,104	2,298	0.56	0.71	4,014	2,248	0.56	0.75	3,906	2,187	0.56	0.80
24	22	4,374	1,925	0.44	0.73	4,284	1,885	0.44	0.77	4,176	1,837	0.44	0.82
26	16	3,564	3,136	0.88	0.68	3,456	3,041	0.88	0.72	3,348	2,946	0.88	0.76
26	18	3,816	2,900	0.76	0.69	3,708	2,818	0.76	0.73	3,582	2,722	0.76	0.78
26	20	4,104	2,627	0.64	0.71	4,014	2,569	0.64	0.75	3,906	2,500	0.64	0.80
26	22	4,374	2,274	0.52	0.73	4,284	2,228	0.52	0.77	4,176	2,172	0.52	0.82
27	16	3,564	3,279	0.92	0.68	3,456	3,180	0.92	0.72	3,348	3,080	0.92	0.76
27	18	3,816	3,053	0.80	0.69	3,708	2,966	0.80	0.73	3,582	2,866	0.80	0.78
27	20	4,104	2,791	0.68	0.71	4,014	2,730	0.68	0.75	3,906	2,656	0.68	0.80
27	22	4,374	2,449	0.56	0.73	4,284	2,399	0.56	0.77	4,176	2,339	0.56	0.82
28	16	3,564	3,421	0.96	0.68	3,456	3,318	0.96	0.72	3,348	3,214	0.96	0.76
28	18	3,816	3,205	0.84	0.69	3,708	3,115	0.84	0.73	3,582	3,009	0.84	0.78
28	20	4,104	2,955	0.72	0.71	4,014	2,890	0.72	0.75	3,906	2,812	0.72	0.80
28	22	4,374	2,624	0.60	0.73	4,284	2,570	0.60	0.77	4,176	2,506	0.60	0.82
30	16	3,564	3,564	1.00	0.68	3,456	3,456	1.00	0.72	3,348	3,348	1.00	0.76
30	18	3,816	3,511	0.92	0.69	3,708	3,411	0.92	0.73	3,582	3,295	0.92	0.78
30	20	4,104	3,283	0.80	0.71	4,014	3,211	0.80	0.75	3,906	3,125	0.80	0.80
30	22	4,374	2,974	0.68	0.73	4,284	2,913	0.68	0.77	4,176	2,840	0.68	0.82
32	16	3,564	3,564	1.00	0.68	3,456	3,456	1.00	0.72	3,348	3,348	1.00	0.76
32	18	3,816	3,816	1.00	0.69	3,708	3,708	1.00	0.73	3,582	3,582	1.00	0.78
32	20	4,104	3,612	0.88	0.71	4,014	3,532	0.88	0.75	3,906	3,437	0.88	0.80
32	22	4,374	3,324	0.76	0.73	4,284	3,256	0.76	0.77	4,176	3,174	0.76	0.82
34	16	3,564	3,564	1.00	0.68	3,456	3,456	1.00	0.72	3,348	3,348	1.00	0.76
34	18	3,816	3,816	1.00	0.69	3,708	3,708	1.00	0.73	3,582	3,582	1.00	0.78
34	20	4,104	3,940	0.96	0.71	4,014	3,853	0.96	0.75	3,906	3,750	0.96	0.80
34	22	4,374	3,674	0.84	0.73	4,284	3,599	0.84	0.77	4,176	3,508	0.84	0.82

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	3,204	2,051	0.64	0.82	3,060	1,958	0.64	0.88	2,916	1,866	0.64	0.95
20	18	3,456	1,797	0.52	0.84	3,348	1,741	0.52	0.90	3,132	1,629	0.52	0.97
20	20	3,744	1,498	0.40	0.86	3,600	1,440	0.40	0.92	3,384	1,354	0.40	0.99
22	16	3,204	2,307	0.72	0.82	3,060	2,203	0.72	0.88	2,916	2,100	0.72	0.95
22	18	3,456	2,074	0.60	0.84	3,348	2,009	0.60	0.90	3,132	1,879	0.60	0.97
22	20	3,744	1,797	0.48	0.86	3,600	1,728	0.48	0.92	3,384	1,624	0.48	0.99
24	16	3,204	2,563	0.80	0.82	3,060	2,448	0.80	0.88	2,916	2,333	0.80	0.95
24	18	3,456	2,350	0.68	0.84	3,348	2,277	0.68	0.90	3,132	2,130	0.68	0.97
24	20	3,744	2,097	0.56	0.86	3,600	2,016	0.56	0.92	3,384	1,895	0.56	0.99
24	22	4,032	1,774	0.44	0.88	3,888	1,711	0.44	0.94	3,672	1,616	0.44	1.00
26	16	3,204	2,820	0.88	0.82	3,060	2,693	0.88	0.88	2,916	2,566	0.88	0.95
26	18	3,456	2,627	0.76	0.84	3,348	2,544	0.76	0.90	3,132	2,380	0.76	0.97
26	20	3,744	2,396	0.64	0.86	3,600	2,304	0.64	0.92	3,384	2,166	0.64	0.99
26	22	4,032	2,097	0.52	0.88	3,888	2,022	0.52	0.94	3,672	1,909	0.52	1.00
27	16	3,204	2,948	0.92	0.82	3,060	2,815	0.92	0.88	2,916	2,683	0.92	0.95
27	18	3,456	2,765	0.80	0.84	3,348	2,678	0.80	0.90	3,132	2,506	0.80	0.97
27	20	3,744	2,546	0.68	0.86	3,600	2,448	0.68	0.92	3,384	2,301	0.68	0.99
27	22	4,032	2,258	0.56	0.88	3,888	2,177	0.56	0.94	3,672	2,056	0.56	1.00
28	16	3,204	3,076	0.96	0.82	3,060	2,938	0.96	0.88	2,916	2,799	0.96	0.95
28	18	3,456	2,903	0.84	0.84	3,348	2,812	0.84	0.90	3,132	2,631	0.84	0.97
28	20	3,744	2,696	0.72	0.86	3,600	2,592	0.72	0.92	3,384	2,436	0.72	0.99
28	22	4,032	2,419	0.60	0.88	3,888	2,333	0.60	0.94	3,672	2,203	0.60	1.00
30	16	3,204	3,204	1.00	0.82	3,060	3,060	1.00	0.88	2,916	2,916	1.00	0.95
30	18	3,456	3,180	0.92	0.84	3,348	3,080	0.92	0.90	3,132	2,881	0.92	0.97
30	20	3,744	2,995	0.80	0.86	3,600	2,880	0.80	0.92	3,384	2,707	0.80	0.99
30	22	4,032	2,742	0.68	0.88	3,888	2,644	0.68	0.94	3,672	2,497	0.68	1.00
32	16	3,204	3,204	1.00	0.82	3,060	3,060	1.00	0.88	2,916	2,916	1.00	0.95
32	18	3,456	3,456	1.00	0.84	3,348	3,348	1.00	0.90	3,132	3,132	1.00	0.97
32	20	3,744	3,295	0.88	0.86	3,600	3,168	0.88	0.92	3,384	2,978	0.88	0.99
32	22	4,032	3,064	0.76	0.88	3,888	2,955	0.76	0.94	3,672	2,791	0.76	1.00
34	16	3,204	3,204	1.00	0.82	3,060	3,060	1.00	0.88	2,916	2,916	1.00	0.95
34	18	3,456	3,456	1.00	0.84	3,348	3,348	1.00	0.90	3,132	3,132	1.00	0.97
34	20	3,744	3,594	0.96	0.86	3,600	3,456	0.96	0.92	3,384	3,249	0.96	0.99
34	22	4,032	3,387	0.84	0.88	3,888	3,266	0.84	0.94	3,672	3,084	0.84	1.00

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PKA-M50LA PKA-M50LAL / PUZ-ZM50VKA

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		20				25				30			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	4,554	2,550	0.56	0.98	4,416	2,473	0.56	1.04	4,278	2,396	0.56	1.10
20	18	4,876	2,145	0.44	1.00	4,738	2,085	0.44	1.06	4,577	2,014	0.44	1.13
20	20	5,244	1,678	0.32	1.03	5,129	1,641	0.32	1.08	4,991	1,597	0.32	1.16
22	16	4,554	2,915	0.64	0.98	4,416	2,826	0.64	1.04	4,278	2,738	0.64	1.10
22	18	4,876	2,536	0.52	1.00	4,738	2,464	0.52	1.06	4,577	2,380	0.52	1.13
22	20	5,244	2,098	0.40	1.03	5,129	2,052	0.40	1.08	4,991	1,996	0.40	1.16
24	16	4,554	3,279	0.72	0.98	4,416	3,180	0.72	1.04	4,278	3,080	0.72	1.10
24	18	4,876	2,926	0.60	1.00	4,738	2,843	0.60	1.06	4,577	2,746	0.60	1.13
24	20	5,244	2,517	0.48	1.03	5,129	2,462	0.48	1.08	4,991	2,396	0.48	1.16
24	22	5,589	2,012	0.36	1.06	5,474	1,971	0.36	1.12	5,336	1,921	0.36	1.19
26	16	4,554	3,643	0.80	0.98	4,416	3,533	0.80	1.04	4,278	3,422	0.80	1.10
26	18	4,876	3,316	0.68	1.00	4,738	3,222	0.68	1.06	4,577	3,112	0.68	1.13
26	20	5,244	2,937	0.56	1.03	5,129	2,872	0.56	1.08	4,991	2,795	0.56	1.16
26	22	5,589	2,459	0.44	1.06	5,474	2,409	0.44	1.12	5,336	2,348	0.44	1.19
27	16	4,554	3,825	0.84	0.98	4,416	3,709	0.84	1.04	4,278	3,594	0.84	1.10
27	18	4,876	3,511	0.72	1.00	4,738	3,411	0.72	1.06	4,577	3,295	0.72	1.13
27	20	5,244	3,146	0.60	1.03	5,129	3,077	0.60	1.08	4,991	2,995	0.60	1.16
27	22	5,589	2,683	0.48	1.06	5,474	2,628	0.48	1.12	5,336	2,561	0.48	1.19
28	16	4,554	4,008	0.88	0.98	4,416	3,886	0.88	1.04	4,278	3,765	0.88	1.10
28	18	4,876	3,706	0.76	1.00	4,738	3,601	0.76	1.06	4,577	3,479	0.76	1.13
28	20	5,244	3,356	0.64	1.03	5,129	3,283	0.64	1.08	4,991	3,194	0.64	1.16
28	22	5,589	2,906	0.52	1.06	5,474	2,846	0.52	1.12	5,336	2,775	0.52	1.19
30	16	4,554	4,372	0.96	0.98	4,416	4,239	0.96	1.04	4,278	4,107	0.96	1.10
30	18	4,876	4,096	0.84	1.00	4,738	3,980	0.84	1.06	4,577	3,845	0.84	1.13
30	20	5,244	3,776	0.72	1.03	5,129	3,693	0.72	1.08	4,991	3,594	0.72	1.16
30	22	5,589	3,353	0.60	1.06	5,474	3,284	0.60	1.12	5,336	3,202	0.60	1.19
32	16	4,554	4,554	1.00	0.98	4,416	4,416	1.00	1.04	4,278	4,278	1.00	1.10
32	18	4,876	4,486	0.92	1.00	4,738	4,359	0.92	1.06	4,577	4,211	0.92	1.13
32	20	5,244	4,195	0.80	1.03	5,129	4,103	0.80	1.08	4,991	3,993	0.80	1.16
32	22	5,589	3,801	0.68	1.06	5,474	3,722	0.68	1.12	5,336	3,628	0.68	1.19
34	16	4,554	4,554	1.00	0.98	4,416	4,416	1.00	1.04	4,278	4,278	1.00	1.10
34	18	4,876	4,876	1.00	1.00	4,738	4,738	1.00	1.06	4,577	4,577	1.00	1.13
34	20	5,244	4,615	0.88	1.03	5,129	4,514	0.88	1.08	4,991	4,392	0.88	1.16
34	22	5,589	4,248	0.76	1.06	5,474	4,160	0.76	1.12	5,336	4,055	0.76	1.19

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		35				40				45			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	4,094	2,293	0.56	1.18	3,910	2,190	0.56	1.27	3,726	2,087	0.56	1.37
20	18	4,416	1,943	0.44	1.21	4,278	1,882	0.44	1.30	4,002	1,761	0.44	1.40
20	20	4,784	1,531	0.32	1.24	4,600	1,472	0.32	1.33	4,324	1,384	0.32	1.43
22	16	4,094	2,620	0.64	1.18	3,910	2,502	0.64	1.27	3,726	2,385	0.64	1.37
22	18	4,416	2,296	0.52	1.21	4,278	2,225	0.52	1.30	4,002	2,081	0.52	1.40
22	20	4,784	1,914	0.40	1.24	4,600	1,840	0.40	1.33	4,324	1,730	0.40	1.43
24	16	4,094	2,948	0.72	1.18	3,910	2,815	0.72	1.27	3,726	2,683	0.72	1.37
24	18	4,416	2,650	0.60	1.21	4,278	2,567	0.60	1.30	4,002	2,401	0.60	1.40
24	20	4,784	2,296	0.48	1.24	4,600	2,208	0.48	1.33	4,324	2,076	0.48	1.43
24	22	5,152	1,855	0.36	1.27	4,968	1,788	0.36	1.37	4,692	1,689	0.36	1.45
26	16	4,094	3,275	0.80	1.18	3,910	3,128	0.80	1.27	3,726	2,981	0.80	1.37
26	18	4,416	3,003	0.68	1.21	4,278	2,909	0.68	1.30	4,002	2,721	0.68	1.40
26	20	4,784	2,679	0.56	1.24	4,600	2,576	0.56	1.33	4,324	2,421	0.56	1.43
26	22	5,152	2,267	0.44	1.27	4,968	2,186	0.44	1.37	4,692	2,064	0.44	1.45
27	16	4,094	3,439	0.84	1.18	3,910	3,284	0.84	1.27	3,726	3,130	0.84	1.37
27	18	4,416	3,180	0.72	1.21	4,278	3,080	0.72	1.30	4,002	2,881	0.72	1.40
27	20	4,784	2,870	0.60	1.24	4,600	2,760	0.60	1.33	4,324	2,594	0.60	1.43
27	22	5,152	2,473	0.48	1.27	4,968	2,385	0.48	1.37	4,692	2,252	0.48	1.45
28	16	4,094	3,603	0.88	1.18	3,910	3,441	0.88	1.27	3,726	3,279	0.88	1.37
28	18	4,416	3,356	0.76	1.21	4,278	3,251	0.76	1.30	4,002	3,042	0.76	1.40
28	20	4,784	3,062	0.64	1.24	4,600	2,944	0.64	1.33	4,324	2,767	0.64	1.43
28	22	5,152	2,679	0.52	1.27	4,968	2,583	0.52	1.37	4,692	2,440	0.52	1.45
30	16	4,094	3,930	0.96	1.18	3,910	3,754	0.96	1.27	3,726	3,577	0.96	1.37
30	18	4,416	3,709	0.84	1.21	4,278	3,594	0.84	1.30	4,002	3,362	0.84	1.40
30	20	4,784	3,444	0.72	1.24	4,600	3,312	0.72	1.33	4,324	3,113	0.72	1.43
30	22	5,152	3,091	0.60	1.27	4,968	2,981	0.60	1.37	4,692	2,815	0.60	1.45
32	16	4,094	4,094	1.00	1.18	3,910	3,910	1.00	1.27	3,726	3,726	1.00	1.37
32	18	4,416	4,063	0.92	1.21	4,278	3,936	0.92	1.30	4,002	3,682	0.92	1.40
32	20	4,784	3,827	0.80	1.24	4,600	3,680	0.80	1.33	4,324	3,459	0.80	1.43
32	22	5,152	3,503	0.68	1.27	4,968	3,378	0.68	1.37	4,692	3,191	0.68	1.45
34	16	4,094	4,094	1.00	1.18	3,910	3,910	1.00	1.27	3,726	3,726	1.00	1.37
34	18	4,416	4,416	1.00	1.21	4,278	4,278	1.00	1.30	4,002	4,002	1.00	1.40
34	20	4,784	4,210	0.88	1.24	4,600	4,048	0.88	1.33	4,324	3,805	0.88	1.43
34	22	5,152	3,916	0.76	1.27	4,968	3,776	0.76	1.37	4,692	3,566	0.76	1.45

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PKA-M60KA PKA-M60KAL / PUZ-ZM60VHA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	6,039	4,590	0.76	1.248	5,856	4,451	0.76	1.318	5,673	4,311	0.76	1.396
20	18	6,466	4,138	0.64	1.271	6,283	4,021	0.64	1.342	6,070	3,884	0.64	1.435
20	20	6,954	3,616	0.52	1.310	6,802	3,537	0.52	1.373	6,619	3,442	0.52	1.466
22	16	6,039	5,073	0.84	1.248	5,856	4,919	0.84	1.318	5,673	4,765	0.84	1.396
22	18	6,466	4,656	0.72	1.271	6,283	4,524	0.72	1.342	6,070	4,370	0.72	1.435
22	20	6,954	4,172	0.60	1.310	6,802	4,081	0.60	1.373	6,619	3,971	0.60	1.466
24	16	6,039	5,556	0.92	1.248	5,856	5,388	0.92	1.318	5,673	5,219	0.92	1.396
24	18	6,466	5,173	0.80	1.271	6,283	5,026	0.80	1.342	6,070	4,856	0.80	1.435
24	20	6,954	4,729	0.68	1.310	6,802	4,625	0.68	1.373	6,619	4,501	0.68	1.466
24	22	7,412	4,150	0.56	1.342	7,259	4,065	0.56	1.420	7,076	3,963	0.56	1.513
26	16	6,039	6,039	1.00	1.248	5,856	5,856	1.00	1.318	5,673	5,673	1.00	1.396
26	18	6,466	5,690	0.88	1.271	6,283	5,529	0.88	1.342	6,070	5,341	0.88	1.435
26	20	6,954	5,285	0.76	1.310	6,802	5,169	0.76	1.373	6,619	5,030	0.76	1.466
26	22	7,412	4,743	0.64	1.342	7,259	4,646	0.64	1.420	7,076	4,529	0.64	1.513
27	16	6,039	6,039	1.00	1.248	5,856	5,856	1.00	1.318	5,673	5,673	1.00	1.396
27	18	6,466	5,949	0.92	1.271	6,283	5,780	0.92	1.342	6,070	5,584	0.92	1.435
27	20	6,954	5,563	0.80	1.310	6,802	5,441	0.80	1.373	6,619	5,295	0.80	1.466
27	22	7,412	5,040	0.68	1.342	7,259	4,936	0.68	1.420	7,076	4,812	0.68	1.513
28	16	6,039	6,039	1.00	1.248	5,856	5,856	1.00	1.318	5,673	5,673	1.00	1.396
28	18	6,466	6,207	0.96	1.271	6,283	6,032	0.96	1.342	6,070	5,827	0.96	1.435
28	20	6,954	5,841	0.84	1.310	6,802	5,713	0.84	1.373	6,619	5,560	0.84	1.466
28	22	7,412	5,336	0.72	1.342	7,259	5,226	0.72	1.420	7,076	5,095	0.72	1.513
30	16	6,039	6,039	1.00	1.248	5,856	5,856	1.00	1.318	5,673	5,673	1.00	1.396
30	18	6,466	6,466	1.00	1.271	6,283	6,283	1.00	1.342	6,070	6,070	1.00	1.435
30	20	6,954	6,398	0.92	1.310	6,802	6,257	0.92	1.373	6,619	6,089	0.92	1.466
30	22	7,412	5,929	0.80	1.342	7,259	5,807	0.80	1.420	7,076	5,661	0.80	1.513
32	16	6,039	6,039	1.00	1.248	5,856	5,856	1.00	1.318	5,673	5,673	1.00	1.396
32	18	6,466	6,466	1.00	1.271	6,283	6,283	1.00	1.342	6,070	6,070	1.00	1.435
32	20	6,954	6,954	1.00	1.310	6,802	6,802	1.00	1.373	6,619	6,619	1.00	1.466
32	22	7,412	6,522	0.88	1.342	7,259	6,388	0.88	1.420	7,076	6,227	0.88	1.513
34	16	6,039	6,039	1.00	1.248	5,856	5,856	1.00	1.318	5,673	5,673	1.00	1.396
34	18	6,466	6,466	1.00	1.271	6,283	6,283	1.00	1.342	6,070	6,070	1.00	1.435
34	20	6,954	6,954	1.00	1.310	6,802	6,802	1.00	1.373	6,619	6,619	1.00	1.466
34	22	7,412	7,115	0.96	1.342	7,259	6,969	0.96	1.420	7,076	6,793	0.96	1.513

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	5,429	4,126	0.76	1.498	5,185	3,941	0.76	1.607	4,941	3,755	0.76	1.739
20	18	5,856	3,748	0.64	1.537	5,673	3,631	0.64	1.654	5,307	3,396	0.64	1.778
20	20	6,344	3,299	0.52	1.576	6,100	3,172	0.52	1.685	5,734	2,982	0.52	1.810
22	16	5,429	4,560	0.84	1.498	5,185	4,355	0.84	1.607	4,941	4,150	0.84	1.739
22	18	5,856	4,216	0.72	1.537	5,673	4,085	0.72	1.654	5,307	3,821	0.72	1.778
22	20	6,344	3,806	0.60	1.576	6,100	3,660	0.60	1.685	5,734	3,440	0.60	1.810
24	16	5,429	4,995	0.92	1.498	5,185	4,770	0.92	1.607	4,941	4,546	0.92	1.739
24	18	5,856	4,685	0.80	1.537	5,673	4,538	0.80	1.654	5,307	4,246	0.80	1.778
24	20	6,344	4,314	0.68	1.576	6,100	4,148	0.68	1.685	5,734	3,899	0.68	1.810
24	22	6,832	3,826	0.56	1.607	6,588	3,689	0.56	1.732	6,222	3,484	0.56	1.841
26	16	5,429	5,429	1.00	1.498	5,185	5,185	1.00	1.607	4,941	4,941	1.00	1.739
26	18	5,856	5,153	0.88	1.537	5,673	4,992	0.88	1.654	5,307	4,670	0.88	1.778
26	20	6,344	4,821	0.76	1.576	6,100	4,636	0.76	1.685	5,734	4,358	0.76	1.810
26	22	6,832	4,372	0.64	1.607	6,588	4,216	0.64	1.732	6,222	3,982	0.64	1.841
27	16	5,429	5,429	1.00	1.498	5,185	5,185	1.00	1.607	4,941	4,941	1.00	1.739
27	18	5,856	5,388	0.92	1.537	5,673	5,219	0.92	1.654	5,307	4,882	0.92	1.778
27	20	6,344	5,075	0.80	1.576	6,100	4,880	0.80	1.685	5,734	4,587	0.80	1.810
27	22	6,832	4,646	0.68	1.607	6,588	4,480	0.68	1.732	6,222	4,231	0.68	1.841
28	16	5,429	5,429	1.00	1.498	5,185	5,185	1.00	1.607	4,941	4,941	1.00	1.739
28	18	5,856	5,622	0.96	1.537	5,673	5,446	0.96	1.654	5,307	5,095	0.96	1.778
28	20	6,344	5,329	0.84	1.576	6,100	5,124	0.84	1.685	5,734	4,817	0.84	1.810
28	22	6,832	4,919	0.72	1.607	6,588	4,743	0.72	1.732	6,222	4,480	0.72	1.841
30	16	5,429	5,429	1.00	1.498	5,185	5,185	1.00	1.607	4,941	4,941	1.00	1.739
30	18	5,856	5,856	1.00	1.537	5,673	5,673	1.00	1.654	5,307	5,307	1.00	1.778
30	20	6,344	5,836	0.92	1.576	6,100	5,612	0.92	1.685	5,734	5,275	0.92	1.810
30	22	6,832	5,466	0.80	1.607	6,588	5,270	0.80	1.732	6,222	4,978	0.80	1.841
32	16	5,429	5,429	1.00	1.498	5,185	5,185	1.00	1.607	4,941	4,941	1.00	1.739
32	18	5,856	5,856	1.00	1.537	5,673	5,673	1.00	1.654	5,307	5,307	1.00	1.778
32	20	6,344	6,344	1.00	1.576	6,100	6,100	1.00	1.685	5,734	5,734	1.00	1.810
32	22	6,832	6,012	0.88	1.607	6,588	5,797	0.88	1.732	6,222	5,475	0.88	1.841
34	16	5,429	5,429	1.00	1.498	5,185	5,185	1.00	1.607	4,941	4,941	1.00	1.739
34	18	5,856	5,856	1.00	1.537	5,673	5,673	1.00	1.654	5,307	5,307	1.00	1.778
34	20	6,344	6,344	1.00	1.576	6,100	6,100	1.00	1.685	5,734	5,734	1.00	1.810
34	22	6,832	6,559	0.96	1.607	6,588	6,324	0.96	1.732	6,222	5,973	0.96	1.841

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PKA-M71KA PKA-M71KAL / PUZ-ZM71VHA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	7,029	4,780	0.68	1.490	6,816	4,635	0.68	1.574	6,603	4,490	0.68	1.667
20	18	7,526	4,215	0.56	1.518	7,313	4,095	0.56	1.602	7,065	3,956	0.56	1.714
20	20	8,094	3,561	0.44	1.565	7,917	3,483	0.44	1.639	7,704	3,390	0.44	1.751
22	16	7,029	5,342	0.76	1.490	6,816	5,180	0.76	1.574	6,603	5,018	0.76	1.667
22	18	7,526	4,817	0.64	1.518	7,313	4,680	0.64	1.602	7,065	4,521	0.64	1.714
22	20	8,094	4,209	0.52	1.565	7,917	4,117	0.52	1.639	7,704	4,006	0.52	1.751
24	16	7,029	5,904	0.84	1.490	6,816	5,725	0.84	1.574	6,603	5,547	0.84	1.667
24	18	7,526	5,419	0.72	1.518	7,313	5,265	0.72	1.602	7,065	5,086	0.72	1.714
24	20	8,094	4,856	0.60	1.565	7,917	4,750	0.60	1.639	7,704	4,622	0.60	1.751
24	22	8,627	4,141	0.48	1.602	8,449	4,056	0.48	1.695	8,236	3,953	0.48	1.807
26	16	7,029	6,467	0.92	1.490	6,816	6,271	0.92	1.574	6,603	6,075	0.92	1.667
26	18	7,526	6,021	0.80	1.518	7,313	5,850	0.80	1.602	7,065	5,652	0.80	1.714
26	20	8,094	5,504	0.68	1.565	7,917	5,383	0.68	1.639	7,704	5,238	0.68	1.751
26	22	8,627	4,831	0.56	1.602	8,449	4,731	0.56	1.695	8,236	4,612	0.56	1.807
27	16	7,029	6,748	0.96	1.490	6,816	6,543	0.96	1.574	6,603	6,339	0.96	1.667
27	18	7,526	6,322	0.84	1.518	7,313	6,143	0.84	1.602	7,065	5,934	0.84	1.714
27	20	8,094	5,828	0.72	1.565	7,917	5,700	0.72	1.639	7,704	5,547	0.72	1.751
27	22	8,627	5,176	0.60	1.602	8,449	5,069	0.60	1.695	8,236	4,942	0.60	1.807
28	16	7,029	7,029	1.00	1.490	6,816	6,816	1.00	1.574	6,603	6,603	1.00	1.667
28	18	7,526	6,623	0.88	1.518	7,313	6,435	0.88	1.602	7,065	6,217	0.88	1.714
28	20	8,094	6,151	0.76	1.565	7,917	6,017	0.76	1.639	7,704	5,855	0.76	1.751
28	22	8,627	5,521	0.64	1.602	8,449	5,407	0.64	1.695	8,236	5,271	0.64	1.807
30	16	7,029	7,029	1.00	1.490	6,816	6,816	1.00	1.574	6,603	6,603	1.00	1.667
30	18	7,526	7,225	0.96	1.518	7,313	7,020	0.96	1.602	7,065	6,782	0.96	1.714
30	20	8,094	6,799	0.84	1.565	7,917	6,650	0.84	1.639	7,704	6,471	0.84	1.751
30	22	8,627	6,211	0.72	1.602	8,449	6,083	0.72	1.695	8,236	5,930	0.72	1.807
32	16	7,029	7,029	1.00	1.490	6,816	6,816	1.00	1.574	6,603	6,603	1.00	1.667
32	18	7,526	7,526	1.00	1.518	7,313	7,313	1.00	1.602	7,065	7,065	1.00	1.714
32	20	8,094	7,446	0.92	1.565	7,917	7,283	0.92	1.639	7,704	7,087	0.92	1.751
32	22	8,627	6,901	0.80	1.602	8,449	6,759	0.80	1.695	8,236	6,589	0.80	1.807
34	16	7,029	7,029	1.00	1.490	6,816	6,816	1.00	1.574	6,603	6,603	1.00	1.667
34	18	7,526	7,526	1.00	1.518	7,313	7,313	1.00	1.602	7,065	7,065	1.00	1.714
34	20	8,094	8,094	1.00	1.565	7,917	7,917	1.00	1.639	7,704	7,704	1.00	1.751
34	22	8,627	7,591	0.88	1.602	8,449	7,435	0.88	1.695	8,236	7,248	0.88	1.807

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	6,319	4,297	0.68	1.788	6,035	4,104	0.68	1.919	5,751	3,911	0.68	2.077
20	18	6,816	3,817	0.56	1.835	6,603	3,698	0.56	1.975	6,177	3,459	0.56	2.124
20	20	7,384	3,249	0.44	1.882	7,100	3,124	0.44	2.012	6,674	2,937	0.44	2.161
22	16	6,319	4,802	0.76	1.788	6,035	4,587	0.76	1.919	5,751	4,371	0.76	2.077
22	18	6,816	4,362	0.64	1.835	6,603	4,226	0.64	1.975	6,177	3,953	0.64	2.124
22	20	7,384	3,840	0.52	1.882	7,100	3,692	0.52	2.012	6,674	3,470	0.52	2.161
24	16	6,319	5,308	0.84	1.788	6,035	5,069	0.84	1.919	5,751	4,831	0.84	2.077
24	18	6,816	4,908	0.72	1.835	6,603	4,754	0.72	1.975	6,177	4,447	0.72	2.124
24	20	7,384	4,430	0.60	1.882	7,100	4,260	0.60	2.012	6,674	4,004	0.60	2.161
24	22	7,952	3,817	0.48	1.919	7,668	3,681	0.48	2.068	7,242	3,476	0.48	2.198
26	16	6,319	5,813	0.92	1.788	6,035	5,552	0.92	1.919	5,751	5,291	0.92	2.077
26	18	6,816	5,453	0.80	1.835	6,603	5,282	0.80	1.975	6,177	4,942	0.80	2.124
26	20	7,384	5,021	0.68	1.882	7,100	4,828	0.68	2.012	6,674	4,538	0.68	2.161
26	22	7,952	4,453	0.56	1.919	7,668	4,294	0.56	2.068	7,242	4,056	0.56	2.198
27	16	6,319	6,066	0.96	1.788	6,035	5,794	0.96	1.919	5,751	5,521	0.96	2.077
27	18	6,816	5,725	0.84	1.835	6,603	5,547	0.84	1.975	6,177	5,189	0.84	2.124
27	20	7,384	5,316	0.72	1.882	7,100	5,112	0.72	2.012	6,674	4,805	0.72	2.161
27	22	7,952	4,771	0.60	1.919	7,668	4,601	0.60	2.068	7,242	4,345	0.60	2.198
28	16	6,319	6,319	1.00	1.788	6,035	6,035	1.00	1.919	5,751	5,751	1.00	2.077
28	18	6,816	5,998	0.88	1.835	6,603	5,811	0.88	1.975	6,177	5,436	0.88	2.124
28	20	7,384	5,612	0.76	1.882	7,100	5,396	0.76	2.012	6,674	5,072	0.76	2.161
28	22	7,952	5,089	0.64	1.919	7,668	4,908	0.64	2.068	7,242	4,635	0.64	2.198
30	16	6,319	6,319	1.00	1.788	6,035	6,035	1.00	1.919	5,751	5,751	1.00	2.077
30	18	6,816	6,543	0.96	1.835	6,603	6,339	0.96	1.975	6,177	5,930	0.96	2.124
30	20	7,384	6,203	0.84	1.882	7,100	5,964	0.84	2.012	6,674	5,606	0.84	2.161
30	22	7,952	5,725	0.72	1.919	7,668	5,521	0.72	2.068	7,242	5,214	0.72	2.198
32	16	6,319	6,319	1.00	1.788	6,035	6,035	1.00	1.919	5,751	5,751	1.00	2.077
32	18	6,816	6,816	1.00	1.835	6,603	6,603	1.00	1.975	6,177	6,177	1.00	2.124
32	20	7,384	6,793	0.92	1.882	7,100	6,532	0.92	2.012	6,674	6,140	0.92	2.161
32	22	7,952	6,362	0.80	1.919	7,668	6,134	0.80	2.068	7,242	5,794	0.80	2.198
34	16	6,319	6,319	1.00	1.788	6,035	6,035	1.00	1.919	5,751	5,751	1.00	2.077
34	18	6,816	6,816	1.00	1.835	6,603	6,603	1.00	1.975	6,177	6,177	1.00	2.124
34	20	7,384	7,384	1.00	1.882	7,100	7,100	1.00	2.012	6,674	6,674	1.00	2.161
34	22	7,952	6,998	0.88	1.919	7,668	6,748	0.88	2.068	7,242	6,373	0.88	2.198

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PKA-M100KA PKA-M100KAL / PUZ-ZM100VKA PUZ-ZM100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	5,925	0.63	1.924	9,120	5,746	0.63	2.032	8,835	5,566	0.63	2.152
20	18	10,070	5,136	0.51	1.960	9,785	4,990	0.51	2.068	9,453	4,821	0.51	2.213
20	20	10,830	4,224	0.39	2.020	10,593	4,131	0.39	2.116	10,308	4,020	0.39	2.261
22	16	9,405	6,678	0.71	1.924	9,120	6,475	0.71	2.032	8,835	6,273	0.71	2.152
22	18	10,070	5,941	0.59	1.960	9,785	5,773	0.59	2.068	9,453	5,577	0.59	2.213
22	20	10,830	5,090	0.47	2.020	10,593	4,978	0.47	2.116	10,308	4,845	0.47	2.261
24	16	9,405	7,430	0.79	1.924	9,120	7,205	0.79	2.032	8,835	6,980	0.79	2.152
24	18	10,070	6,747	0.67	1.960	9,785	6,556	0.67	2.068	9,453	6,333	0.67	2.213
24	20	10,830	5,957	0.55	2.020	10,593	5,826	0.55	2.116	10,308	5,669	0.55	2.261
24	22	11,543	4,963	0.43	2.068	11,305	4,861	0.43	2.189	11,020	4,739	0.43	2.333
26	16	9,405	8,182	0.87	1.924	9,120	7,934	0.87	2.032	8,835	7,686	0.87	2.152
26	18	10,070	7,553	0.75	1.960	9,785	7,339	0.75	2.068	9,453	7,089	0.75	2.213
26	20	10,830	6,823	0.63	2.020	10,593	6,673	0.63	2.116	10,308	6,494	0.63	2.261
26	22	11,543	5,887	0.51	2.068	11,305	5,766	0.51	2.189	11,020	5,620	0.51	2.333
27	16	9,405	8,559	0.91	1.924	9,120	8,299	0.91	2.032	8,835	8,040	0.91	2.152
27	18	10,070	7,955	0.79	1.960	9,785	7,730	0.79	2.068	9,453	7,467	0.79	2.213
27	20	10,830	7,256	0.67	2.020	10,593	7,097	0.67	2.116	10,308	6,906	0.67	2.261
27	22	11,543	6,348	0.55	2.068	11,305	6,218	0.55	2.189	11,020	6,061	0.55	2.333
28	16	9,405	8,935	0.95	1.924	9,120	8,664	0.95	2.032	8,835	8,393	0.95	2.152
28	18	10,070	8,358	0.83	1.960	9,785	8,122	0.83	2.068	9,453	7,846	0.83	2.213
28	20	10,830	7,689	0.71	2.020	10,593	7,521	0.71	2.116	10,308	7,318	0.71	2.261
28	22	11,543	6,810	0.59	2.068	11,305	6,670	0.59	2.189	11,020	6,502	0.59	2.333
30	16	9,405	9,405	1.00	1.924	9,120	9,120	1.00	2.032	8,835	8,835	1.00	2.152
30	18	10,070	9,164	0.91	1.960	9,785	8,904	0.91	2.068	9,453	8,602	0.91	2.213
30	20	10,830	8,556	0.79	2.020	10,593	8,368	0.79	2.116	10,308	8,143	0.79	2.261
30	22	11,543	7,733	0.67	2.068	11,305	7,574	0.67	2.189	11,020	7,383	0.67	2.333
32	16	9,405	9,405	1.00	1.924	9,120	9,120	1.00	2.032	8,835	8,835	1.00	2.152
32	18	10,070	9,969	0.99	1.960	9,785	9,687	0.99	2.068	9,453	9,358	0.99	2.213
32	20	10,830	9,422	0.87	2.020	10,593	9,215	0.87	2.116	10,308	8,968	0.87	2.261
32	22	11,543	8,657	0.75	2.068	11,305	8,479	0.75	2.189	11,020	8,265	0.75	2.333
34	16	9,405	9,405	1.00	1.924	9,120	9,120	1.00	2.032	8,835	8,835	1.00	2.152
34	18	10,070	10,070	1.00	1.960	9,785	9,785	1.00	2.068	9,453	9,453	1.00	2.213
34	20	10,830	10,289	0.95	2.020	10,593	10,063	0.95	2.116	10,308	9,792	0.95	2.261
34	22	11,543	9,580	0.83	2.068	11,305	9,383	0.83	2.189	11,020	9,147	0.83	2.333

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	5,327	0.63	2.309	8,075	5,087	0.63	2.477	7,695	4,848	0.63	2.682
20	18	9,120	4,651	0.51	2.369	8,835	4,506	0.51	2.549	8,265	4,215	0.51	2.742
20	20	9,880	3,853	0.39	2.429	9,500	3,705	0.39	2.597	8,930	3,483	0.39	2.790
22	16	8,455	6,003	0.71	2.309	8,075	5,733	0.71	2.477	7,695	5,463	0.71	2.682
22	18	9,120	5,381	0.59	2.369	8,835	5,213	0.59	2.549	8,265	4,876	0.59	2.742
22	20	9,880	4,644	0.47	2.429	9,500	4,465	0.47	2.597	8,930	4,197	0.47	2.790
24	16	8,455	6,679	0.79	2.309	8,075	6,379	0.79	2.477	7,695	6,079	0.79	2.682
24	18	9,120	6,110	0.67	2.369	8,835	5,919	0.67	2.549	8,265	5,538	0.67	2.742
24	20	9,880	5,434	0.55	2.429	9,500	5,225	0.55	2.597	8,930	4,912	0.55	2.790
24	22	10,640	4,575	0.43	2.477	10,260	4,412	0.43	2.670	9,690	4,167	0.43	2.838
26	16	8,455	7,356	0.87	2.309	8,075	7,025	0.87	2.477	7,695	6,695	0.87	2.682
26	18	9,120	6,840	0.75	2.369	8,835	6,626	0.75	2.549	8,265	6,199	0.75	2.742
26	20	9,880	6,224	0.63	2.429	9,500	5,985	0.63	2.597	8,930	5,626	0.63	2.790
26	22	10,640	5,426	0.51	2.477	10,260	5,233	0.51	2.670	9,690	4,942	0.51	2.838
27	16	8,455	7,694	0.91	2.309	8,075	7,348	0.91	2.477	7,695	7,002	0.91	2.682
27	18	9,120	7,205	0.79	2.369	8,835	6,980	0.79	2.549	8,265	6,529	0.79	2.742
27	20	9,880	6,620	0.67	2.429	9,500	6,365	0.67	2.597	8,930	5,983	0.67	2.790
27	22	10,640	5,852	0.55	2.477	10,260	5,643	0.55	2.670	9,690	5,330	0.55	2.838
28	16	8,455	8,032	0.95	2.309	8,075	7,671	0.95	2.477	7,695	7,310	0.95	2.682
28	18	9,120	7,570	0.83	2.369	8,835	7,333	0.83	2.549	8,265	6,860	0.83	2.742
28	20	9,880	7,015	0.71	2.429	9,500	6,745	0.71	2.597	8,930	6,340	0.71	2.790
28	22	10,640	6,278	0.59	2.477	10,260	6,053	0.59	2.670	9,690	5,717	0.59	2.838
30	16	8,455	8,455	1.00	2.309	8,075	8,075	1.00	2.477	7,695	7,695	1.00	2.682
30	18	9,120	8,299	0.91	2.369	8,835	8,040	0.91	2.549	8,265	7,521	0.91	2.742
30	20	9,880	7,805	0.79	2.429	9,500	7,505	0.79	2.597	8,930	7,055	0.79	2.790
30	22	10,640	7,129	0.67	2.477	10,260	6,874	0.67	2.670	9,690	6,492	0.67	2.838
32	16	8,455	8,455	1.00	2.309	8,075	8,075	1.00	2.477	7,695	7,695	1.00	2.682
32	18	9,120	9,029	0.99	2.369	8,835	8,747	0.99	2.549	8,265	8,182	0.99	2.742
32	20	9,880	8,596	0.87	2.429	9,500	8,265	0.87	2.597	8,930	7,769	0.87	2.790
32	22	10,640	7,980	0.75	2.477	10,260	7,695	0.75	2.670	9,690	7,268	0.75	2.838
34	16	8,455	8,455	1.00	2.309	8,075	8,075	1.00	2.477	7,695	7,695	1.00	2.682
34	18	9,120	9,120	1.00	2.369	8,835	8,835	1.00	2.549	8,265	8,265	1.00	2.742
34	20	9,880	9,386	0.95	2.429	9,500	9,025	0.95	2.597	8,930	8,484	0.95	2.790
34	22	10,640	8,831	0.83	2.477	10,260	8,516	0.83	2.670	9,690	8,043	0.83	2.838

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PKA-M100KA PKA-M100KAL / PUZ-M100VKA PUZ-M100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	5,925	0.63	2.35	9,120	5,746	0.63	2.48	8,835	5,566	0.63	2.63
20	18	10,070	5,136	0.51	2.40	9,785	4,990	0.51	2.53	9,453	4,821	0.51	2.70
20	20	10,830	4,224	0.39	2.47	10,593	4,131	0.39	2.59	10,308	4,020	0.39	2.76
22	16	9,405	6,678	0.71	2.35	9,120	6,475	0.71	2.48	8,835	6,273	0.71	2.63
22	18	10,070	5,941	0.59	2.40	9,785	5,773	0.59	2.53	9,453	5,577	0.59	2.70
22	20	10,830	5,090	0.47	2.47	10,593	4,978	0.47	2.59	10,308	4,845	0.47	2.76
24	16	9,405	7,430	0.79	2.35	9,120	7,205	0.79	2.48	8,835	6,980	0.79	2.63
24	18	10,070	6,747	0.67	2.40	9,785	6,556	0.67	2.53	9,453	6,333	0.67	2.70
24	20	10,830	5,957	0.55	2.47	10,593	5,826	0.55	2.59	10,308	5,669	0.55	2.76
24	22	11,543	4,963	0.43	2.53	11,305	4,861	0.43	2.68	11,020	4,739	0.43	2.85
26	16	9,405	8,182	0.87	2.35	9,120	7,934	0.87	2.48	8,835	7,686	0.87	2.63
26	18	10,070	7,553	0.75	2.40	9,785	7,339	0.75	2.53	9,453	7,089	0.75	2.70
26	20	10,830	6,823	0.63	2.47	10,593	6,673	0.63	2.59	10,308	6,494	0.63	2.76
26	22	11,543	5,887	0.51	2.53	11,305	5,766	0.51	2.68	11,020	5,620	0.51	2.85
27	16	9,405	8,559	0.91	2.35	9,120	8,299	0.91	2.48	8,835	8,040	0.91	2.63
27	18	10,070	7,955	0.79	2.40	9,785	7,730	0.79	2.53	9,453	7,467	0.79	2.70
27	20	10,830	7,256	0.67	2.47	10,593	7,097	0.67	2.59	10,308	6,906	0.67	2.76
27	22	11,543	6,348	0.55	2.53	11,305	6,218	0.55	2.68	11,020	6,061	0.55	2.85
28	16	9,405	8,935	0.95	2.35	9,120	8,664	0.95	2.48	8,835	8,393	0.95	2.63
28	18	10,070	8,358	0.83	2.40	9,785	8,122	0.83	2.53	9,453	7,846	0.83	2.70
28	20	10,830	7,689	0.71	2.47	10,593	7,521	0.71	2.59	10,308	7,318	0.71	2.76
28	22	11,543	6,810	0.59	2.53	11,305	6,670	0.59	2.68	11,020	6,502	0.59	2.85
30	16	9,405	9,405	1.00	2.35	9,120	9,120	1.00	2.48	8,835	8,835	1.00	2.63
30	18	10,070	9,164	0.91	2.40	9,785	8,904	0.91	2.53	9,453	8,602	0.91	2.70
30	20	10,830	8,556	0.79	2.47	10,593	8,368	0.79	2.59	10,308	8,143	0.79	2.76
30	22	11,543	7,733	0.67	2.53	11,305	7,574	0.67	2.68	11,020	7,383	0.67	2.85
32	16	9,405	9,405	1.00	2.35	9,120	9,120	1.00	2.48	8,835	8,835	1.00	2.63
32	18	10,070	9,969	0.99	2.40	9,785	9,687	0.99	2.53	9,453	9,358	0.99	2.70
32	20	10,830	9,422	0.87	2.47	10,593	9,215	0.87	2.59	10,308	8,968	0.87	2.76
32	22	11,543	8,657	0.75	2.53	11,305	8,479	0.75	2.68	11,020	8,265	0.75	2.85
34	16	9,405	9,405	1.00	2.35	9,120	9,120	1.00	2.48	8,835	8,835	1.00	2.63
34	18	10,070	10,070	1.00	2.40	9,785	9,785	1.00	2.53	9,453	9,453	1.00	2.70
34	20	10,830	10,289	0.95	2.47	10,593	10,063	0.95	2.59	10,308	9,792	0.95	2.76
34	22	11,543	9,580	0.83	2.53	11,305	9,383	0.83	2.68	11,020	9,147	0.83	2.85

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	5,327	0.63	2.82	8,075	5,087	0.63	3.03	7,695	4,848	0.63	3.28
20	18	9,120	4,651	0.51	2.90	8,835	4,506	0.51	3.12	8,265	4,215	0.51	3.35
20	20	9,880	3,853	0.39	2.97	9,500	3,705	0.39	3.18	8,930	3,483	0.39	3.41
22	16	8,455	6,003	0.71	2.82	8,075	5,733	0.71	3.03	7,695	5,463	0.71	3.28
22	18	9,120	5,381	0.59	2.90	8,835	5,213	0.59	3.12	8,265	4,876	0.59	3.35
22	20	9,880	4,644	0.47	2.97	9,500	4,465	0.47	3.18	8,930	4,197	0.47	3.41
24	16	8,455	6,679	0.79	2.82	8,075	6,379	0.79	3.03	7,695	6,079	0.79	3.28
24	18	9,120	6,110	0.67	2.90	8,835	5,919	0.67	3.12	8,265	5,538	0.67	3.35
24	20	9,880	5,434	0.55	2.97	9,500	5,225	0.55	3.18	8,930	4,912	0.55	3.41
24	22	10,640	4,575	0.43	3.03	10,260	4,412	0.43	3.26	9,690	4,167	0.43	3.47
26	16	8,455	7,356	0.87	2.82	8,075	7,025	0.87	3.03	7,695	6,695	0.87	3.28
26	18	9,120	6,840	0.75	2.90	8,835	6,626	0.75	3.12	8,265	6,199	0.75	3.35
26	20	9,880	6,224	0.63	2.97	9,500	5,985	0.63	3.18	8,930	5,626	0.63	3.41
26	22	10,640	5,426	0.51	3.03	10,260	5,233	0.51	3.26	9,690	4,942	0.51	3.47
27	16	8,455	7,694	0.91	2.82	8,075	7,348	0.91	3.03	7,695	7,002	0.91	3.28
27	18	9,120	7,205	0.79	2.90	8,835	6,980	0.79	3.12	8,265	6,529	0.79	3.35
27	20	9,880	6,620	0.67	2.97	9,500	6,365	0.67	3.18	8,930	5,983	0.67	3.41
27	22	10,640	5,852	0.55	3.03	10,260	5,643	0.55	3.26	9,690	5,330	0.55	3.47
28	16	8,455	8,032	0.95	2.82	8,075	7,671	0.95	3.03	7,695	7,310	0.95	3.28
28	18	9,120	7,570	0.83	2.90	8,835	7,333	0.83	3.12	8,265	6,860	0.83	3.35
28	20	9,880	7,015	0.71	2.97	9,500	6,745	0.71	3.18	8,930	6,340	0.71	3.41
28	22	10,640	6,278	0.59	3.03	10,260	6,053	0.59	3.26	9,690	5,717	0.59	3.47
30	16	8,455	8,455	1.00	2.82	8,075	8,075	1.00	3.03	7,695	7,695	1.00	3.28
30	18	9,120	8,299	0.91	2.90	8,835	8,040	0.91	3.12	8,265	7,521	0.91	3.35
30	20	9,880	7,805	0.79	2.97	9,500	7,505	0.79	3.18	8,930	7,055	0.79	3.41
30	22	10,640	7,129	0.67	3.03	10,260	6,874	0.67	3.26	9,690	6,492	0.67	3.47
32	16	8,455	8,455	1.00	2.82	8,075	8,075	1.00	3.03	7,695	7,695	1.00	3.28
32	18	9,120	9,029	0.99	2.90	8,835	8,747	0.99	3.12	8,265	8,182	0.99	3.35
32	20	9,880	8,596	0.87	2.97	9,500	8,265	0.87	3.18	8,930	7,769	0.87	3.41
32	22	10,640	7,980	0.75	3.03	10,260	7,695	0.75	3.26	9,690	7,268	0.75	3.47
34	16	8,455	8,455	1.00	2.82	8,075	8,075	1.00	3.03	7,695	7,695	1.00	3.28
34	18	9,120	9,120	1.00	2.90	8,835	8,835	1.00	3.12	8,265	8,265	1.00	3.35
34	20	9,880	9,386	0.95	2.97	9,500	9,025	0.95	3.18	8,930	8,484	0.95	3.41
34	22	10,640	8,831	0.83	3.03	10,260	8,516	0.83	3.26	9,690	8,043	0.83	3.47

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

HEATING CAPACITY
PKA-M·LA PKA-M·LAL / PUZ-ZM·VKA
PKA-M·KA PKA-M·KAL / PUZ-ZM·VHA PUZ-ZM·VKA PUZ-ZM·YKA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PKA-M35LA(L)	15	2,604	0.61	2,829	0.68	3,157	0.78	4,141	0.94	4,674	1.04	5,207	1.12
	20	2,501	0.67	2,706	0.73	2,993	0.84	3,998	1.01	4,510	1.12	5,023	1.21
	25	2,419	0.71	2,624	0.79	2,870	0.92	3,772	1.07	4,346	1.20	4,838	1.29
PKA-M50LA(L)	15	3,175	0.79	3,450	0.87	3,850	1.01	5,050	1.21	5,700	1.34	6,350	1.45
	20	3,050	0.86	3,300	0.94	3,650	1.09	4,875	1.30	5,500	1.45	6,125	1.55
	25	2,950	0.91	3,200	1.02	3,500	1.18	4,600	1.38	5,300	1.55	5,900	1.67
PKA-M60KA(L)	15	4,445	1.022	4,830	1.126	5,390	1.299	7,070	1.559	7,980	1.732	8,890	1.871
	20	4,270	1.108	4,620	1.212	5,110	1.403	6,825	1.680	7,700	1.871	8,575	2.009
	25	4,130	1.178	4,480	1.316	4,900	1.524	6,440	1.784	7,420	2.000	8,260	2.156
PKA-M71KA(L)	15	5,080	1.248	5,520	1.375	6,160	1.587	8,080	1.904	9,120	2.116	10,160	2.285
	20	4,880	1.354	5,280	1.481	5,840	1.714	7,800	2.053	8,800	2.285	9,800	2.455
	25	4,720	1.439	5,120	1.608	5,600	1.862	7,360	2.179	8,480	2.444	9,440	2.634
PKA-M100KA(L)	15	7,112	1.830	7,728	2.016	8,624	2.327	11,312	2.792	12,768	3.102	14,224	3.350
	20	6,832	1.985	7,392	2.171	8,176	2.513	10,920	3.009	12,320	3.350	13,720	3.598
	25	6,608	2.109	7,168	2.358	7,840	2.730	10,304	3.195	11,872	3.583	13,216	3.862

HEATING CAPACITY
PKA-M·KA PKA-M·KAL / PUZ-M·VKA PUZ-M·YKA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PKA-M100KA(L)	15	7,112	1.94	7,728	2.13	8,624	2.46	11,312	2.95	12,768	3.28	14,224	3.54
	20	6,832	2.10	7,392	2.30	8,176	2.66	10,920	3.18	12,320	3.54	13,720	3.80
	25	6,608	2.23	7,168	2.49	7,840	2.89	10,304	3.38	11,872	3.79	13,216	4.08

A.2.5.2 R410A type

COOLING CAPACITY

PKA-M100KA PKA-M100KAL / PUHZ-SHW112VHA(-BS) PUHZ-SHW112YHA(-BS)

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		20				25				30			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	9,900	6,237	0.63	2.34	9,600	6,048	0.63	2.47	9,300	5,859	0.63	2.62
20	18	10,600	5,406	0.51	2.38	10,300	5,253	0.51	2.51	9,950	5,075	0.51	2.69
20	20	11,400	4,446	0.39	2.46	11,150	4,349	0.39	2.57	10,850	4,232	0.39	2.75
22	16	9,900	7,029	0.71	2.34	9,600	6,816	0.71	2.47	9,300	6,603	0.71	2.62
22	18	10,600	6,254	0.59	2.38	10,300	6,077	0.59	2.51	9,950	5,871	0.59	2.64
22	20	11,400	5,358	0.47	2.46	11,150	5,241	0.47	2.57	10,850	5,100	0.47	2.75
24	16	9,900	7,821	0.79	2.34	9,600	7,584	0.79	2.47	9,300	7,347	0.79	2.62
24	18	10,600	7,102	0.67	2.38	10,300	6,901	0.67	2.51	9,950	6,667	0.67	2.69
24	20	11,400	6,270	0.55	2.46	11,150	6,133	0.55	2.57	10,850	5,968	0.55	2.75
24	22	12,150	5,225	0.43	2.51	11,900	5,117	0.43	2.66	11,600	4,988	0.43	2.84
26	16	9,900	8,613	0.87	2.34	9,600	8,352	0.87	2.47	9,300	8,091	0.87	2.62
26	18	10,600	7,950	0.75	2.38	10,300	7,725	0.75	2.51	9,950	7,463	0.75	2.69
26	20	11,400	7,182	0.63	2.46	11,150	7,025	0.63	2.57	10,850	6,836	0.63	2.75
26	22	12,150	6,197	0.51	2.51	11,900	6,069	0.51	2.66	11,600	5,916	0.51	2.84
27	16	9,900	9,009	0.91	2.34	9,600	8,736	0.91	2.47	9,300	8,463	0.91	2.62
27	18	10,600	8,374	0.79	2.38	10,300	8,137	0.79	2.51	9,950	7,861	0.79	2.69
27	20	11,400	7,638	0.67	2.46	11,150	7,471	0.67	2.57	10,850	7,270	0.67	2.75
27	22	12,150	6,683	0.55	2.51	11,900	6,545	0.55	2.66	11,600	6,380	0.55	2.84
28	16	9,900	9,405	0.95	2.34	9,600	9,120	0.95	2.47	9,300	8,835	0.95	2.62
28	18	10,600	8,798	0.83	2.38	10,300	8,549	0.83	2.51	9,950	8,259	0.83	2.69
28	20	11,400	8,094	0.71	2.46	11,150	7,917	0.71	2.57	10,850	7,704	0.71	2.75
28	22	12,150	7,169	0.59	2.51	11,900	7,021	0.59	2.66	11,600	6,844	0.59	2.84
30	16	9,900	9,900	1.00	2.34	9,600	9,600	1.00	2.47	9,300	9,300	1.00	2.62
30	18	10,600	9,646	0.91	2.38	10,300	9,373	0.91	2.51	9,950	9,055	0.91	2.69
30	20	11,400	9,006	0.79	2.46	11,150	8,809	0.79	2.57	10,850	8,572	0.79	2.75
30	22	12,150	8,141	0.67	2.51	11,900	7,973	0.67	2.66	11,600	7,772	0.67	2.84
32	16	9,900	9,900	1.00	2.34	9,600	9,600	1.00	2.47	9,300	9,300	1.00	2.62
32	18	10,600	10,494	0.99	2.38	10,300	10,197	0.99	2.51	9,950	9,851	0.99	2.69
32	20	11,400	9,918	0.87	2.46	11,150	9,701	0.87	2.57	10,850	9,440	0.87	2.75
32	22	12,150	9,113	0.75	2.51	11,900	8,925	0.75	2.66	11,600	8,700	0.75	2.84
34	16	9,900	9,900	1.00	2.34	9,600	9,600	1.00	2.47	9,300	9,300	1.00	2.62
34	18	10,600	10,600	1.00	2.38	10,300	10,300	1.00	2.51	9,950	9,950	1.00	2.69
34	20	11,400	10,830	0.95	2.46	11,150	10,593	0.95	2.57	10,850	10,308	0.95	2.75
34	22	12,150	10,085	0.83	2.51	11,900	9,877	0.83	2.66	11,600	9,628	0.83	2.84

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		35				40				45			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	8,900	5,607	0.63	2.81	8,500	5,355	0.63	3.01	8,100	5,103	0.63	3.26
20	18	9,600	4,896	0.51	2.88	9,300	4,743	0.51	3.10	8,700	4,437	0.51	3.33
20	20	10,400	4,056	0.39	2.95	10,000	3,900	0.39	3.16	9,400	3,666	0.39	3.39
22	16	8,900	6,319	0.71	2.81	8,500	6,035	0.71	3.01	8,100	5,751	0.71	3.26
22	18	9,600	5,664	0.59	2.88	9,300	5,487	0.59	3.10	8,700	5,133	0.59	3.33
22	20	10,400	4,888	0.47	2.95	10,000	4,700	0.47	3.16	9,400	4,418	0.47	3.39
24	16	8,900	7,031	0.79	2.81	8,500	6,715	0.79	3.01	8,100	6,399	0.79	3.26
24	18	9,600	6,432	0.67	2.88	9,300	6,231	0.67	3.10	8,700	5,829	0.67	3.33
24	20	10,400	5,720	0.55	2.95	10,000	5,500	0.55	3.16	9,400	5,170	0.55	3.39
24	22	11,200	4,816	0.43	3.01	10,800	4,644	0.43	3.25	10,200	4,386	0.43	3.45
26	16	8,900	7,743	0.87	2.81	8,500	7,395	0.87	3.01	8,100	7,047	0.87	3.26
26	18	9,600	7,200	0.75	2.88	9,300	6,975	0.75	3.10	8,700	6,525	0.75	3.33
26	20	10,400	6,552	0.63	2.95	10,000	6,300	0.63	3.16	9,400	5,922	0.63	3.39
26	22	11,200	5,712	0.51	3.01	10,800	5,508	0.51	3.25	10,200	5,202	0.51	3.45
27	16	8,900	8,099	0.91	2.81	8,500	7,735	0.91	3.01	8,100	7,371	0.91	3.26
27	18	9,600	7,584	0.79	2.88	9,300	7,347	0.79	3.10	8,700	6,873	0.79	3.33
27	20	10,400	6,968	0.67	2.95	10,000	6,700	0.67	3.16	9,400	6,298	0.67	3.39
27	22	11,200	6,160	0.55	3.01	10,800	5,940	0.55	3.25	10,200	5,610	0.55	3.45
28	16	8,900	8,455	0.95	2.81	8,500	8,075	0.95	3.01	8,100	7,695	0.95	3.26
28	18	9,600	7,968	0.83	2.88	9,300	7,719	0.83	3.10	8,700	7,221	0.83	3.33
28	20	10,400	7,384	0.71	2.95	10,000	7,100	0.71	3.16	9,400	6,674	0.71	3.39
28	22	11,200	6,608	0.59	3.01	10,800	6,372	0.59	3.25	10,200	6,018	0.59	3.45
30	16	8,900	8,900	1.00	2.81	8,500	8,500	1.00	3.01	8,100	8,100	1.00	3.26
30	18	9,600	8,736	0.91	2.88	9,300	8,463	0.91	3.10	8,700	7,917	0.91	3.33
30	20	10,400	8,216	0.79	2.95	10,000	7,900	0.79	3.16	9,400	7,426	0.79	3.39
30	22	11,200	7,504	0.67	3.01	10,800	7,236	0.67	3.25	10,200	6,834	0.67	3.45
32	16	8,900	8,900	1.00	2.81	8,500	8,500	1.00	3.01	8,100	8,100	1.00	3.26
32	18	9,600	9,504	0.99	2.88	9,300	9,207	0.99	3.10	8,700	8,613	0.99	3.33
32	20	10,400	9,048	0.87	2.95	10,000	8,700	0.87	3.16	9,400	8,178	0.87	3.39
32	22	11,200	8,400	0.75	3.01	10,800	8,100	0.75	3.25	10,200	7,650	0.75	3.45
34	16	8,900	8,900	1.00	2.81	8,500	8,500	1.00	3.01	8,100	8,100	1.00	3.26
34	18	9,600	9,600	1.00	2.88	9,300	9,300	1.00	3.10	8,700	8,700	1.00	3.33
34	20	10,400	9,880	0.95	2.95	10,000	9,500	0.95	3.16	9,400	8,930	0.95	3.39
34	22	11,200	9,296	0.83	3.01	10,800	8,964	0.83	3.25	10,200	8,466	0.83	3.45

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PKA-M35LA PKA-M35LAL / PUHZ-ZRP35VKA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	3,564	2,352	0.66	0.75	3,456	2,281	0.66	0.79	3,348	2,210	0.66	0.84
20	18	3,816	2,061	0.54	0.77	3,708	2,002	0.54	0.81	3,582	1,934	0.54	0.86
20	20	4,104	1,724	0.42	0.79	4,014	1,686	0.42	0.83	3,906	1,641	0.42	0.88
22	16	3,564	2,637	0.74	0.75	3,456	2,557	0.74	0.79	3,348	2,478	0.74	0.84
22	18	3,816	2,366	0.62	0.77	3,708	2,299	0.62	0.81	3,582	2,221	0.62	0.86
22	20	4,104	2,052	0.50	0.79	4,014	2,007	0.50	0.83	3,906	1,953	0.50	0.88
24	16	3,564	2,922	0.82	0.75	3,456	2,834	0.82	0.79	3,348	2,745	0.82	0.84
24	18	3,816	2,671	0.70	0.77	3,708	2,596	0.70	0.81	3,582	2,507	0.70	0.86
24	20	4,104	2,380	0.58	0.79	4,014	2,328	0.58	0.83	3,906	2,265	0.58	0.88
24	22	4,374	2,012	0.46	0.81	4,284	1,971	0.46	0.86	4,176	1,921	0.46	0.91
26	16	3,564	3,208	0.90	0.75	3,456	3,110	0.90	0.79	3,348	3,013	0.90	0.84
26	18	3,816	2,976	0.78	0.77	3,708	2,892	0.78	0.81	3,582	2,794	0.78	0.86
26	20	4,104	2,709	0.66	0.79	4,014	2,649	0.66	0.83	3,906	2,578	0.66	0.88
26	22	4,374	2,362	0.54	0.81	4,284	2,313	0.54	0.86	4,176	2,255	0.54	0.91
27	16	3,564	3,350	0.94	0.75	3,456	3,249	0.94	0.79	3,348	3,147	0.94	0.84
27	18	3,816	3,129	0.82	0.77	3,708	3,041	0.82	0.81	3,582	2,937	0.82	0.86
27	20	4,104	2,873	0.70	0.79	4,014	2,810	0.70	0.83	3,906	2,734	0.70	0.88
27	22	4,374	2,537	0.58	0.81	4,284	2,485	0.58	0.86	4,176	2,422	0.58	0.91
28	16	3,564	3,493	0.98	0.75	3,456	3,387	0.98	0.79	3,348	3,281	0.98	0.84
28	18	3,816	3,282	0.86	0.77	3,708	3,189	0.86	0.81	3,582	3,081	0.86	0.86
28	20	4,104	3,037	0.74	0.79	4,014	2,970	0.74	0.83	3,906	2,890	0.74	0.88
28	22	4,374	2,712	0.62	0.81	4,284	2,656	0.62	0.86	4,176	2,589	0.62	0.91
30	16	3,564	3,564	1.00	0.75	3,456	3,456	1.00	0.79	3,348	3,348	1.00	0.84
30	18	3,816	3,587	0.94	0.77	3,708	3,486	0.94	0.81	3,582	3,367	0.94	0.86
30	20	4,104	3,365	0.82	0.79	4,014	3,291	0.82	0.83	3,906	3,203	0.82	0.88
30	22	4,374	3,062	0.70	0.81	4,284	2,999	0.70	0.86	4,176	2,923	0.70	0.91
32	16	3,564	3,564	1.00	0.75	3,456	3,456	1.00	0.79	3,348	3,348	1.00	0.84
32	18	3,816	3,816	1.00	0.77	3,708	3,708	1.00	0.81	3,582	3,582	1.00	0.86
32	20	4,104	3,694	0.90	0.79	4,014	3,613	0.90	0.83	3,906	3,515	0.90	0.88
32	22	4,374	3,412	0.78	0.81	4,284	3,342	0.78	0.86	4,176	3,257	0.78	0.91
34	16	3,564	3,564	1.00	0.75	3,456	3,456	1.00	0.79	3,348	3,348	1.00	0.84
34	18	3,816	3,816	1.00	0.77	3,708	3,708	1.00	0.81	3,582	3,582	1.00	0.86
34	20	4,104	4,022	0.98	0.79	4,014	3,934	0.98	0.83	3,906	3,828	0.98	0.88
34	22	4,374	3,762	0.86	0.81	4,284	3,684	0.86	0.86	4,176	3,591	0.86	0.91

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	3,204	2,115	0.66	0.90	3,060	2,020	0.66	0.97	2,916	1,925	0.66	1.05
20	18	3,456	1,866	0.54	0.93	3,348	1,808	0.54	1.00	3,132	1,691	0.54	1.07
20	20	3,744	1,572	0.42	0.95	3,600	1,512	0.42	1.02	3,384	1,421	0.42	1.09
22	16	3,204	2,371	0.74	0.90	3,060	2,264	0.74	0.97	2,916	2,158	0.74	1.05
22	18	3,456	2,143	0.62	0.93	3,348	2,076	0.62	1.00	3,132	1,942	0.62	1.07
22	20	3,744	1,872	0.50	0.95	3,600	1,800	0.50	1.02	3,384	1,692	0.50	1.09
24	16	3,204	2,627	0.82	0.90	3,060	2,509	0.82	0.97	2,916	2,391	0.82	1.05
24	18	3,456	2,419	0.70	0.93	3,348	2,344	0.70	1.00	3,132	2,192	0.70	1.07
24	20	3,744	2,172	0.58	0.95	3,600	2,088	0.58	1.02	3,384	1,963	0.58	1.09
24	22	4,032	1,855	0.46	0.97	3,888	1,788	0.46	1.04	3,672	1,689	0.46	1.11
26	16	3,204	2,884	0.90	0.90	3,060	2,754	0.90	0.97	2,916	2,624	0.90	1.05
26	18	3,456	2,696	0.78	0.93	3,348	2,611	0.78	1.00	3,132	2,443	0.78	1.07
26	20	3,744	2,471	0.66	0.95	3,600	2,376	0.66	1.02	3,384	2,233	0.66	1.09
26	22	4,032	2,177	0.54	0.97	3,888	2,100	0.54	1.04	3,672	1,983	0.54	1.11
27	16	3,204	3,012	0.94	0.90	3,060	2,876	0.94	0.97	2,916	2,741	0.94	1.05
27	18	3,456	2,834	0.82	0.93	3,348	2,745	0.82	1.00	3,132	2,568	0.82	1.07
27	20	3,744	2,621	0.70	0.95	3,600	2,520	0.70	1.02	3,384	2,369	0.70	1.09
27	22	4,032	2,339	0.58	0.97	3,888	2,255	0.58	1.04	3,672	2,130	0.58	1.11
28	16	3,204	3,140	0.98	0.90	3,060	2,999	0.98	0.97	2,916	2,858	0.98	1.05
28	18	3,456	2,972	0.86	0.93	3,348	2,879	0.86	1.00	3,132	2,694	0.86	1.07
28	20	3,744	2,771	0.74	0.95	3,600	2,664	0.74	1.02	3,384	2,504	0.74	1.09
28	22	4,032	2,500	0.62	0.97	3,888	2,411	0.62	1.04	3,672	2,277	0.62	1.11
30	16	3,204	3,204	1.00	0.90	3,060	3,060	1.00	0.97	2,916	2,916	1.00	1.05
30	18	3,456	3,249	0.94	0.93	3,348	3,147	0.94	1.00	3,132	2,944	0.94	1.07
30	20	3,744	3,070	0.82	0.95	3,600	2,952	0.82	1.02	3,384	2,775	0.82	1.09
30	22	4,032	2,822	0.70	0.97	3,888	2,722	0.70	1.04	3,672	2,570	0.70	1.11
32	16	3,204	3,204	1.00	0.90	3,060	3,060	1.00	0.97	2,916	2,916	1.00	1.05
32	18	3,456	3,456	1.00	0.93	3,348	3,348	1.00	1.00	3,132	3,132	1.00	1.07
32	20	3,744	3,370	0.90	0.95	3,600	3,240	0.90	1.02	3,384	3,046	0.90	1.09
32	22	4,032	3,145	0.78	0.97	3,888	3,033	0.78	1.04	3,672	2,864	0.78	1.11
34	16	3,204	3,204	1.00	0.90	3,060	3,060	1.00	0.97	2,916	2,916	1.00	1.05
34	18	3,456	3,456	1.00	0.93	3,348	3,348	1.00	1.00	3,132	3,132	1.00	1.07
34	20	3,744	3,669	0.98	0.95	3,600	3,528	0.98	1.02	3,384	3,316	0.98	1.09
34	22	4,032	3,468	0.86	0.97	3,888	3,344	0.86	1.04	3,672	3,158	0.86	1.11

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PKA-M50LA PKA-M50LAL / PUHZ-ZRP50VKA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	4,554	2,550	0.56	1.14	4,416	2,473	0.56	1.20	4,278	2,396	0.56	1.27
20	18	4,876	2,145	0.44	1.16	4,738	2,085	0.44	1.22	4,577	2,014	0.44	1.31
20	20	5,244	1,678	0.32	1.20	5,129	1,641	0.32	1.25	4,991	1,597	0.32	1.34
22	16	4,554	2,915	0.64	1.14	4,416	2,826	0.64	1.20	4,278	2,738	0.64	1.27
22	18	4,876	2,536	0.52	1.16	4,738	2,464	0.52	1.22	4,577	2,380	0.52	1.31
22	20	5,244	2,098	0.40	1.20	5,129	2,052	0.40	1.25	4,991	1,996	0.40	1.34
24	16	4,554	3,279	0.72	1.14	4,416	3,180	0.72	1.20	4,278	3,080	0.72	1.27
24	18	4,876	2,926	0.60	1.16	4,738	2,843	0.60	1.22	4,577	2,746	0.60	1.31
24	20	5,244	2,517	0.48	1.20	5,129	2,462	0.48	1.25	4,991	2,396	0.48	1.34
24	22	5,589	2,012	0.36	1.22	5,474	1,971	0.36	1.30	5,336	1,921	0.36	1.38
26	16	4,554	3,643	0.80	1.14	4,416	3,533	0.80	1.20	4,278	3,422	0.80	1.27
26	18	4,876	3,316	0.68	1.16	4,738	3,222	0.68	1.22	4,577	3,112	0.68	1.31
26	20	5,244	2,937	0.56	1.20	5,129	2,872	0.56	1.25	4,991	2,795	0.56	1.34
26	22	5,589	2,459	0.44	1.22	5,474	2,409	0.44	1.30	5,336	2,348	0.44	1.38
27	16	4,554	3,825	0.84	1.14	4,416	3,709	0.84	1.20	4,278	3,594	0.84	1.27
27	18	4,876	3,511	0.72	1.16	4,738	3,411	0.72	1.22	4,577	3,295	0.72	1.31
27	20	5,244	3,146	0.60	1.20	5,129	3,077	0.60	1.25	4,991	2,995	0.60	1.34
27	22	5,589	2,683	0.48	1.22	5,474	2,628	0.48	1.30	5,336	2,561	0.48	1.38
28	16	4,554	4,008	0.88	1.14	4,416	3,886	0.88	1.20	4,278	3,765	0.88	1.27
28	18	4,876	3,706	0.76	1.16	4,738	3,601	0.76	1.22	4,577	3,479	0.76	1.31
28	20	5,244	3,356	0.64	1.20	5,129	3,283	0.64	1.25	4,991	3,194	0.64	1.34
28	22	5,589	2,906	0.52	1.22	5,474	2,846	0.52	1.30	5,336	2,775	0.52	1.38
30	16	4,554	4,372	0.96	1.14	4,416	4,239	0.96	1.20	4,278	4,107	0.96	1.27
30	18	4,876	4,096	0.84	1.16	4,738	3,980	0.84	1.22	4,577	3,845	0.84	1.31
30	20	5,244	3,776	0.72	1.20	5,129	3,693	0.72	1.25	4,991	3,594	0.72	1.34
30	22	5,589	3,353	0.60	1.22	5,474	3,284	0.60	1.30	5,336	3,202	0.60	1.38
32	16	4,554	4,554	1.00	1.14	4,416	4,416	1.00	1.20	4,278	4,278	1.00	1.27
32	18	4,876	4,486	0.92	1.16	4,738	4,359	0.92	1.22	4,577	4,211	0.92	1.31
32	20	5,244	4,195	0.80	1.20	5,129	4,103	0.80	1.25	4,991	3,993	0.80	1.34
32	22	5,589	3,801	0.68	1.22	5,474	3,722	0.68	1.30	5,336	3,628	0.68	1.38
34	16	4,554	4,554	1.00	1.14	4,416	4,416	1.00	1.20	4,278	4,278	1.00	1.27
34	18	4,876	4,876	1.00	1.16	4,738	4,738	1.00	1.22	4,577	4,577	1.00	1.31
34	20	5,244	4,615	0.88	1.20	5,129	4,514	0.88	1.25	4,991	4,392	0.88	1.34
34	22	5,589	4,248	0.76	1.22	5,474	4,160	0.76	1.30	5,336	4,055	0.76	1.38

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	4,094	2,293	0.56	1.37	3,910	2,190	0.56	1.47	3,726	2,087	0.56	1.59
20	18	4,416	1,943	0.44	1.40	4,278	1,882	0.44	1.51	4,002	1,761	0.44	1.62
20	20	4,784	1,531	0.32	1.44	4,600	1,472	0.32	1.54	4,324	1,384	0.32	1.65
22	16	4,094	2,620	0.64	1.37	3,910	2,502	0.64	1.47	3,726	2,385	0.64	1.59
22	18	4,416	2,296	0.52	1.40	4,278	2,225	0.52	1.51	4,002	2,081	0.52	1.62
22	20	4,784	1,914	0.40	1.44	4,600	1,840	0.40	1.54	4,324	1,730	0.40	1.65
24	16	4,094	2,948	0.72	1.37	3,910	2,815	0.72	1.47	3,726	2,683	0.72	1.59
24	18	4,416	2,650	0.60	1.40	4,278	2,567	0.60	1.51	4,002	2,401	0.60	1.62
24	20	4,784	2,296	0.48	1.44	4,600	2,208	0.48	1.54	4,324	2,076	0.48	1.65
24	22	5,152	1,855	0.36	1.47	4,968	1,788	0.36	1.58	4,692	1,689	0.36	1.68
26	16	4,094	3,275	0.80	1.37	3,910	3,128	0.80	1.47	3,726	2,981	0.80	1.59
26	18	4,416	3,003	0.68	1.40	4,278	2,909	0.68	1.51	4,002	2,721	0.68	1.62
26	20	4,784	2,679	0.56	1.44	4,600	2,576	0.56	1.54	4,324	2,421	0.56	1.65
26	22	5,152	2,267	0.44	1.47	4,968	2,186	0.44	1.58	4,692	2,064	0.44	1.68
27	16	4,094	3,439	0.84	1.37	3,910	3,284	0.84	1.47	3,726	3,130	0.84	1.59
27	18	4,416	3,180	0.72	1.40	4,278	3,080	0.72	1.51	4,002	2,881	0.72	1.62
27	20	4,784	2,870	0.60	1.44	4,600	2,760	0.60	1.54	4,324	2,594	0.60	1.65
27	22	5,152	2,473	0.48	1.47	4,968	2,385	0.48	1.58	4,692	2,252	0.48	1.68
28	16	4,094	3,603	0.88	1.37	3,910	3,441	0.88	1.47	3,726	3,279	0.88	1.59
28	18	4,416	3,356	0.76	1.40	4,278	3,251	0.76	1.51	4,002	3,042	0.76	1.62
28	20	4,784	3,062	0.64	1.44	4,600	2,944	0.64	1.54	4,324	2,767	0.64	1.65
28	22	5,152	2,679	0.52	1.47	4,968	2,583	0.52	1.58	4,692	2,440	0.52	1.68
30	16	4,094	3,930	0.96	1.37	3,910	3,754	0.96	1.47	3,726	3,577	0.96	1.59
30	18	4,416	3,709	0.84	1.40	4,278	3,594	0.84	1.51	4,002	3,362	0.84	1.62
30	20	4,784	3,444	0.72	1.44	4,600	3,312	0.72	1.54	4,324	3,113	0.72	1.65
30	22	5,152	3,091	0.60	1.47	4,968	2,981	0.60	1.58	4,692	2,815	0.60	1.68
32	16	4,094	4,094	1.00	1.37	3,910	3,910	1.00	1.47	3,726	3,726	1.00	1.59
32	18	4,416	4,063	0.92	1.40	4,278	3,936	0.92	1.51	4,002	3,682	0.92	1.62
32	20	4,784	3,827	0.80	1.44	4,600	3,680	0.80	1.54	4,324	3,459	0.80	1.65
32	22	5,152	3,503	0.68	1.47	4,968	3,378	0.68	1.58	4,692	3,191	0.68	1.68
34	16	4,094	4,094	1.00	1.37	3,910	3,910	1.00	1.47	3,726	3,726	1.00	1.59
34	18	4,416	4,416	1.00	1.40	4,278	4,278	1.00	1.51	4,002	4,002	1.00	1.62
34	20	4,784	4,210	0.88	1.44	4,600	4,048	0.88	1.54	4,324	3,805	0.88	1.65
34	22	5,152	3,916	0.76	1.47	4,968	3,776	0.76	1.58	4,692	3,566	0.76	1.68

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PKA-M60KA PKA-M60KAL / PUHZ-ZRP60VHA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	6,039	4,590	0.76	1.28	5,856	4,451	0.76	1.35	5,673	4,311	0.76	1.43
20	18	6,466	4,138	0.64	1.30	6,283	4,021	0.64	1.38	6,070	3,884	0.64	1.47
20	20	6,954	3,616	0.52	1.34	6,802	3,537	0.52	1.41	6,619	3,442	0.52	1.50
22	16	6,039	5,073	0.84	1.28	5,856	4,919	0.84	1.35	5,673	4,765	0.84	1.43
22	18	6,466	4,656	0.72	1.30	6,283	4,524	0.72	1.38	6,070	4,370	0.72	1.47
22	20	6,954	4,172	0.60	1.34	6,802	4,081	0.60	1.41	6,619	3,971	0.60	1.50
24	16	6,039	5,556	0.92	1.28	5,856	5,388	0.92	1.35	5,673	5,219	0.92	1.43
24	18	6,466	5,173	0.80	1.30	6,283	5,026	0.80	1.38	6,070	4,856	0.80	1.47
24	20	6,954	4,729	0.68	1.34	6,802	4,625	0.68	1.41	6,619	4,501	0.68	1.50
24	22	7,412	4,150	0.56	1.38	7,259	4,065	0.56	1.46	7,076	3,963	0.56	1.55
26	16	6,039	6,039	1.00	1.28	5,856	5,856	1.00	1.35	5,673	5,673	1.00	1.43
26	18	6,466	5,690	0.88	1.30	6,283	5,529	0.88	1.38	6,070	5,341	0.88	1.47
26	20	6,954	5,285	0.76	1.34	6,802	5,169	0.76	1.41	6,619	5,030	0.76	1.50
26	22	7,412	4,743	0.64	1.38	7,259	4,646	0.64	1.46	7,076	4,529	0.64	1.55
27	16	6,039	6,039	1.00	1.28	5,856	5,856	1.00	1.35	5,673	5,673	1.00	1.43
27	18	6,466	5,949	0.92	1.30	6,283	5,780	0.92	1.38	6,070	5,584	0.92	1.47
27	20	6,954	5,563	0.80	1.34	6,802	5,441	0.80	1.41	6,619	5,295	0.80	1.50
27	22	7,412	5,040	0.68	1.38	7,259	4,936	0.68	1.46	7,076	4,812	0.68	1.55
28	16	6,039	6,039	1.00	1.28	5,856	5,856	1.00	1.35	5,673	5,673	1.00	1.43
28	18	6,466	6,207	0.96	1.30	6,283	6,032	0.96	1.38	6,070	5,827	0.96	1.47
28	20	6,954	5,841	0.84	1.34	6,802	5,713	0.84	1.41	6,619	5,560	0.84	1.50
28	22	7,412	5,336	0.72	1.38	7,259	5,226	0.72	1.46	7,076	5,095	0.72	1.55
30	16	6,039	6,039	1.00	1.28	5,856	5,856	1.00	1.35	5,673	5,673	1.00	1.43
30	18	6,466	6,466	1.00	1.30	6,283	6,283	1.00	1.38	6,070	6,070	1.00	1.47
30	20	6,954	6,398	0.92	1.34	6,802	6,257	0.92	1.41	6,619	6,089	0.92	1.50
30	22	7,412	5,929	0.80	1.38	7,259	5,807	0.80	1.46	7,076	5,661	0.80	1.55
32	16	6,039	6,039	1.00	1.28	5,856	5,856	1.00	1.35	5,673	5,673	1.00	1.43
32	18	6,466	6,466	1.00	1.30	6,283	6,283	1.00	1.38	6,070	6,070	1.00	1.47
32	20	6,954	6,954	1.00	1.34	6,802	6,802	1.00	1.41	6,619	6,619	1.00	1.50
32	22	7,412	6,522	0.88	1.38	7,259	6,388	0.88	1.46	7,076	6,227	0.88	1.55
34	16	6,039	6,039	1.00	1.28	5,856	5,856	1.00	1.35	5,673	5,673	1.00	1.43
34	18	6,466	6,466	1.00	1.30	6,283	6,283	1.00	1.38	6,070	6,070	1.00	1.47
34	20	6,954	6,954	1.00	1.34	6,802	6,802	1.00	1.41	6,619	6,619	1.00	1.50
34	22	7,412	7,115	0.96	1.38	7,259	6,969	0.96	1.46	7,076	6,793	0.96	1.55

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	5,429	4,126	0.76	1.54	5,185	3,941	0.76	1.65	4,941	3,755	0.76	1.78
20	18	5,856	3,748	0.64	1.58	5,673	3,631	0.64	1.70	5,307	3,396	0.64	1.82
20	20	6,344	3,299	0.52	1.62	6,100	3,172	0.52	1.73	5,734	2,982	0.52	1.86
22	16	5,429	4,560	0.84	1.54	5,185	4,355	0.84	1.65	4,941	4,150	0.84	1.78
22	18	5,856	4,216	0.72	1.58	5,673	4,085	0.72	1.70	5,307	3,821	0.72	1.82
22	20	6,344	3,806	0.60	1.62	6,100	3,660	0.60	1.73	5,734	3,440	0.60	1.86
24	16	5,429	4,995	0.92	1.54	5,185	4,770	0.92	1.65	4,941	4,546	0.92	1.78
24	18	5,856	4,685	0.80	1.58	5,673	4,538	0.80	1.70	5,307	4,246	0.80	1.82
24	20	6,344	4,314	0.68	1.62	6,100	4,148	0.68	1.73	5,734	3,899	0.68	1.86
24	22	6,832	3,826	0.56	1.65	6,588	3,689	0.56	1.78	6,222	3,484	0.56	1.89
26	16	5,429	5,429	1.00	1.54	5,185	5,185	1.00	1.65	4,941	4,941	1.00	1.78
26	18	5,856	5,153	0.88	1.58	5,673	4,992	0.88	1.70	5,307	4,670	0.88	1.82
26	20	6,344	4,821	0.76	1.62	6,100	4,636	0.76	1.73	5,734	4,358	0.76	1.86
26	22	6,832	4,372	0.64	1.65	6,588	4,216	0.64	1.78	6,222	3,982	0.64	1.89
27	16	5,429	5,429	1.00	1.54	5,185	5,185	1.00	1.65	4,941	4,941	1.00	1.78
27	18	5,856	5,388	0.92	1.58	5,673	5,219	0.92	1.70	5,307	4,882	0.92	1.82
27	20	6,344	5,075	0.80	1.62	6,100	4,880	0.80	1.73	5,734	4,587	0.80	1.86
27	22	6,832	4,646	0.68	1.65	6,588	4,480	0.68	1.78	6,222	4,231	0.68	1.89
28	16	5,429	5,429	1.00	1.54	5,185	5,185	1.00	1.65	4,941	4,941	1.00	1.78
28	18	5,856	5,622	0.96	1.58	5,673	5,446	0.96	1.70	5,307	5,095	0.96	1.82
28	20	6,344	5,329	0.84	1.62	6,100	5,124	0.84	1.73	5,734	4,817	0.84	1.86
28	22	6,832	4,919	0.72	1.65	6,588	4,743	0.72	1.78	6,222	4,480	0.72	1.89
30	16	5,429	5,429	1.00	1.54	5,185	5,185	1.00	1.65	4,941	4,941	1.00	1.78
30	18	5,856	5,856	1.00	1.58	5,673	5,673	1.00	1.70	5,307	5,307	1.00	1.82
30	20	6,344	5,836	0.92	1.62	6,100	5,612	0.92	1.73	5,734	5,275	0.92	1.86
30	22	6,832	5,466	0.80	1.65	6,588	5,270	0.80	1.78	6,222	4,978	0.80	1.89
32	16	5,429	5,429	1.00	1.54	5,185	5,185	1.00	1.65	4,941	4,941	1.00	1.78
32	18	5,856	5,856	1.00	1.58	5,673	5,673	1.00	1.70	5,307	5,307	1.00	1.82
32	20	6,344	6,344	1.00	1.62	6,100	6,100	1.00	1.73	5,734	5,734	1.00	1.86
32	22	6,832	6,012	0.88	1.65	6,588	5,797	0.88	1.78	6,222	5,475	0.88	1.89
34	16	5,429	5,429	1.00	1.54	5,185	5,185	1.00	1.65	4,941	4,941	1.00	1.78
34	18	5,856	5,856	1.00	1.58	5,673	5,673	1.00	1.70	5,307	5,307	1.00	1.82
34	20	6,344	6,344	1.00	1.62	6,100	6,100	1.00	1.73	5,734	5,734	1.00	1.86
34	22	6,832	6,559	0.96	1.65	6,588	6,324	0.96	1.78	6,222	5,973	0.96	1.89

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PKA-M71KA PKA-M71KAL / PUHZ-ZRP71VHA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	7,029	4,780	0.68	1.44	6,816	4,635	0.68	1.52	6,603	4,490	0.68	1.61
20	18	7,526	4,215	0.56	1.47	7,313	4,095	0.56	1.55	7,065	3,956	0.56	1.66
20	20	8,094	3,561	0.44	1.51	7,917	3,483	0.44	1.58	7,704	3,390	0.44	1.69
22	16	7,029	5,342	0.76	1.44	6,816	5,180	0.76	1.52	6,603	5,018	0.76	1.61
22	18	7,526	4,817	0.64	1.47	7,313	4,680	0.64	1.55	7,065	4,521	0.64	1.66
22	20	8,094	4,209	0.52	1.51	7,917	4,117	0.52	1.58	7,704	4,006	0.52	1.69
24	16	7,029	5,904	0.84	1.44	6,816	5,725	0.84	1.52	6,603	5,547	0.84	1.61
24	18	7,526	5,419	0.72	1.47	7,313	5,265	0.72	1.55	7,065	5,086	0.72	1.66
24	20	8,094	4,856	0.60	1.51	7,917	4,750	0.60	1.58	7,704	4,622	0.60	1.69
24	22	8,627	4,141	0.48	1.55	8,449	4,056	0.48	1.64	8,236	3,953	0.48	1.75
26	16	7,029	6,467	0.92	1.44	6,816	6,271	0.92	1.52	6,603	6,075	0.92	1.61
26	18	7,526	6,021	0.80	1.47	7,313	5,850	0.80	1.55	7,065	5,652	0.80	1.66
26	20	8,094	5,504	0.68	1.51	7,917	5,383	0.68	1.58	7,704	5,238	0.68	1.69
26	22	8,627	4,831	0.56	1.55	8,449	4,731	0.56	1.64	8,236	4,612	0.56	1.75
27	16	7,029	6,748	0.96	1.44	6,816	6,543	0.96	1.52	6,603	6,339	0.96	1.61
27	18	7,526	6,322	0.84	1.47	7,313	6,143	0.84	1.55	7,065	5,934	0.84	1.66
27	20	8,094	5,828	0.72	1.51	7,917	5,700	0.72	1.58	7,704	5,547	0.72	1.69
27	22	8,627	5,176	0.60	1.55	8,449	5,069	0.60	1.64	8,236	4,942	0.60	1.75
28	16	7,029	7,029	1.00	1.44	6,816	6,816	1.00	1.52	6,603	6,603	1.00	1.61
28	18	7,526	6,623	0.88	1.47	7,313	6,435	0.88	1.55	7,065	6,217	0.88	1.66
28	20	8,094	6,151	0.76	1.51	7,917	6,017	0.76	1.58	7,704	5,855	0.76	1.69
28	22	8,627	5,521	0.64	1.55	8,449	5,407	0.64	1.64	8,236	5,271	0.64	1.75
30	16	7,029	7,029	1.00	1.44	6,816	6,816	1.00	1.52	6,603	6,603	1.00	1.61
30	18	7,526	7,225	0.96	1.47	7,313	7,020	0.96	1.55	7,065	6,782	0.96	1.66
30	20	8,094	6,799	0.84	1.51	7,917	6,650	0.84	1.58	7,704	6,471	0.84	1.69
30	22	8,627	6,211	0.72	1.55	8,449	6,083	0.72	1.64	8,236	5,930	0.72	1.75
32	16	7,029	7,029	1.00	1.44	6,816	6,816	1.00	1.52	6,603	6,603	1.00	1.61
32	18	7,526	7,526	1.00	1.47	7,313	7,313	1.00	1.55	7,065	7,065	1.00	1.66
32	20	8,094	7,446	0.92	1.51	7,917	7,283	0.92	1.58	7,704	7,087	0.92	1.69
32	22	8,627	6,901	0.80	1.55	8,449	6,759	0.80	1.64	8,236	6,589	0.80	1.75
34	16	7,029	7,029	1.00	1.44	6,816	6,816	1.00	1.52	6,603	6,603	1.00	1.61
34	18	7,526	7,526	1.00	1.47	7,313	7,313	1.00	1.55	7,065	7,065	1.00	1.66
34	20	8,094	8,094	1.00	1.51	7,917	7,917	1.00	1.58	7,704	7,704	1.00	1.69
34	22	8,627	7,591	0.88	1.55	8,449	7,435	0.88	1.64	8,236	7,248	0.88	1.75

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	6,319	4,297	0.68	1.73	6,035	4,104	0.68	1.85	5,751	3,911	0.68	2.01
20	18	6,816	3,817	0.56	1.77	6,603	3,698	0.56	1.91	6,177	3,459	0.56	2.05
20	20	7,384	3,249	0.44	1.82	7,100	3,124	0.44	1.94	6,674	2,937	0.44	2.09
22	16	6,319	4,802	0.76	1.73	6,035	4,587	0.76	1.85	5,751	4,371	0.76	2.01
22	18	6,816	4,362	0.64	1.77	6,603	4,226	0.64	1.91	6,177	3,953	0.64	2.05
22	20	7,384	3,840	0.52	1.82	7,100	3,692	0.52	1.94	6,674	3,470	0.52	2.09
24	16	6,319	5,308	0.84	1.73	6,035	5,069	0.84	1.85	5,751	4,831	0.84	2.01
24	18	6,816	4,908	0.72	1.77	6,603	4,754	0.72	1.91	6,177	4,447	0.72	2.05
24	20	7,384	4,430	0.60	1.82	7,100	4,260	0.60	1.94	6,674	4,004	0.60	2.09
24	22	7,952	3,817	0.48	1.85	7,668	3,681	0.48	2.00	7,242	3,476	0.48	2.12
26	16	6,319	5,813	0.92	1.73	6,035	5,552	0.92	1.85	5,751	5,291	0.92	2.01
26	18	6,816	5,453	0.80	1.77	6,603	5,282	0.80	1.91	6,177	4,942	0.80	2.05
26	20	7,384	5,021	0.68	1.82	7,100	4,828	0.68	1.94	6,674	4,538	0.68	2.09
26	22	7,952	4,453	0.56	1.85	7,668	4,294	0.56	2.00	7,242	4,056	0.56	2.12
27	16	6,319	6,066	0.96	1.73	6,035	5,794	0.96	1.85	5,751	5,521	0.96	2.01
27	18	6,816	5,725	0.84	1.77	6,603	5,547	0.84	1.91	6,177	5,189	0.84	2.05
27	20	7,384	5,316	0.72	1.82	7,100	5,112	0.72	1.94	6,674	4,805	0.72	2.09
27	22	7,952	4,771	0.60	1.85	7,668	4,601	0.60	2.00	7,242	4,345	0.60	2.12
28	16	6,319	6,319	1.00	1.73	6,035	6,035	1.00	1.85	5,751	5,751	1.00	2.01
28	18	6,816	5,998	0.88	1.77	6,603	5,811	0.88	1.91	6,177	5,436	0.88	2.05
28	20	7,384	5,612	0.76	1.82	7,100	5,396	0.76	1.94	6,674	5,072	0.76	2.09
28	22	7,952	5,089	0.64	1.85	7,668	4,908	0.64	2.00	7,242	4,635	0.64	2.12
30	16	6,319	6,319	1.00	1.73	6,035	6,035	1.00	1.85	5,751	5,751	1.00	2.01
30	18	6,816	6,543	0.96	1.77	6,603	6,339	0.96	1.91	6,177	5,930	0.96	2.05
30	20	7,384	6,203	0.84	1.82	7,100	5,964	0.84	1.94	6,674	5,606	0.84	2.09
30	22	7,952	5,725	0.72	1.85	7,668	5,521	0.72	2.00	7,242	5,214	0.72	2.12
32	16	6,319	6,319	1.00	1.73	6,035	6,035	1.00	1.85	5,751	5,751	1.00	2.01
32	18	6,816	6,816	1.00	1.77	6,603	6,603	1.00	1.91	6,177	6,177	1.00	2.05
32	20	7,384	6,793	0.92	1.82	7,100	6,532	0.92	1.94	6,674	6,140	0.92	2.09
32	22	7,952	6,362	0.80	1.85	7,668	6,134	0.80	2.00	7,242	5,794	0.80	2.12
34	16	6,319	6,319	1.00	1.73	6,035	6,035	1.00	1.85	5,751	5,751	1.00	2.01
34	18	6,816	6,816	1.00	1.77	6,603	6,603	1.00	1.91	6,177	6,177	1.00	2.05
34	20	7,384	7,384	1.00	1.82	7,100	7,100	1.00	1.94	6,674	6,674	1.00	2.09
34	22	7,952	6,998	0.88	1.85	7,668	6,748	0.88	2.00	7,242	6,373	0.88	2.12

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PKA-M100KA PKA-M100KAL / PUHZ-ZRP100VKA3 PUHZ-ZRP100YKA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	5,925	0.63	1.92	9,120	5,746	0.63	2.03	8,835	5,566	0.63	2.15
20	18	10,070	5,136	0.51	1.96	9,785	4,990	0.51	2.06	9,453	4,821	0.51	2.21
20	20	10,830	4,224	0.39	2.02	10,593	4,131	0.39	2.11	10,308	4,020	0.39	2.26
22	16	9,405	6,678	0.71	1.92	9,120	6,475	0.71	2.03	8,835	6,273	0.71	2.15
22	18	10,070	5,941	0.59	1.96	9,785	5,773	0.59	2.06	9,453	5,577	0.59	2.21
22	20	10,830	5,090	0.47	2.02	10,593	4,978	0.47	2.11	10,308	4,845	0.47	2.26
24	16	9,405	7,430	0.79	1.92	9,120	7,205	0.79	2.03	8,835	6,980	0.79	2.15
24	18	10,070	6,747	0.67	1.96	9,785	6,556	0.67	2.06	9,453	6,333	0.67	2.21
24	20	10,830	5,957	0.55	2.02	10,593	5,826	0.55	2.11	10,308	5,669	0.55	2.26
24	22	11,543	4,963	0.43	2.06	11,305	4,861	0.43	2.18	11,020	4,739	0.43	2.33
26	16	9,405	8,182	0.87	1.92	9,120	7,934	0.87	2.03	8,835	7,686	0.87	2.15
26	18	10,070	7,553	0.75	1.96	9,785	7,339	0.75	2.06	9,453	7,089	0.75	2.21
26	20	10,830	6,823	0.63	2.02	10,593	6,673	0.63	2.11	10,308	6,494	0.63	2.26
26	22	11,543	5,887	0.51	2.06	11,305	5,766	0.51	2.18	11,020	5,620	0.51	2.33
27	16	9,405	8,559	0.91	1.92	9,120	8,299	0.91	2.03	8,835	8,040	0.91	2.15
27	18	10,070	7,955	0.79	1.96	9,785	7,730	0.79	2.06	9,453	7,467	0.79	2.21
27	20	10,830	7,256	0.67	2.02	10,593	7,097	0.67	2.11	10,308	6,906	0.67	2.26
27	22	11,543	6,348	0.55	2.06	11,305	6,218	0.55	2.18	11,020	6,061	0.55	2.33
28	16	9,405	8,935	0.95	1.92	9,120	8,664	0.95	2.03	8,835	8,393	0.95	2.15
28	18	10,070	8,358	0.83	1.96	9,785	8,122	0.83	2.06	9,453	7,846	0.83	2.21
28	20	10,830	7,689	0.71	2.02	10,593	7,521	0.71	2.11	10,308	7,318	0.71	2.26
28	22	11,543	6,810	0.59	2.06	11,305	6,670	0.59	2.18	11,020	6,502	0.59	2.33
30	16	9,405	9,405	1.00	1.92	9,120	9,120	1.00	2.03	8,835	8,835	1.00	2.15
30	18	10,070	9,164	0.91	1.96	9,785	8,904	0.91	2.06	9,453	8,602	0.91	2.21
30	20	10,830	8,556	0.79	2.02	10,593	8,368	0.79	2.11	10,308	8,143	0.79	2.26
30	22	11,543	7,733	0.67	2.06	11,305	7,574	0.67	2.18	11,020	7,383	0.67	2.33
32	16	9,405	9,405	1.00	1.92	9,120	9,120	1.00	2.03	8,835	8,835	1.00	2.15
32	18	10,070	9,969	0.99	1.96	9,785	9,687	0.99	2.06	9,453	9,358	0.99	2.21
32	20	10,830	9,422	0.87	2.02	10,593	9,215	0.87	2.11	10,308	8,968	0.87	2.26
32	22	11,543	8,657	0.75	2.06	11,305	8,479	0.75	2.18	11,020	8,265	0.75	2.33
34	16	9,405	9,405	1.00	1.92	9,120	9,120	1.00	2.03	8,835	8,835	1.00	2.15
34	18	10,070	10,070	1.00	1.96	9,785	9,785	1.00	2.06	9,453	9,453	1.00	2.21
34	20	10,830	10,289	0.95	2.02	10,593	10,063	0.95	2.11	10,308	9,792	0.95	2.26
34	22	11,543	9,580	0.83	2.06	11,305	9,383	0.83	2.18	11,020	9,147	0.83	2.33

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	5,327	0.63	2.30	8,075	5,087	0.63	2.47	7,695	4,848	0.63	2.68
20	18	9,120	4,651	0.51	2.36	8,835	4,506	0.51	2.54	8,265	4,215	0.51	2.74
20	20	9,880	3,853	0.39	2.42	9,500	3,705	0.39	2.59	8,930	3,483	0.39	2.78
22	16	8,455	6,003	0.71	2.30	8,075	5,733	0.71	2.47	7,695	5,463	0.71	2.68
22	18	9,120	5,381	0.59	2.36	8,835	5,213	0.59	2.54	8,265	4,876	0.59	2.74
22	20	9,880	4,644	0.47	2.42	9,500	4,465	0.47	2.59	8,930	4,197	0.47	2.78
24	16	8,455	6,679	0.79	2.30	8,075	6,379	0.79	2.47	7,695	6,079	0.79	2.68
24	18	9,120	6,110	0.67	2.36	8,835	5,919	0.67	2.54	8,265	5,538	0.67	2.74
24	20	9,880	5,434	0.55	2.42	9,500	5,225	0.55	2.59	8,930	4,912	0.55	2.78
24	22	10,640	4,575	0.43	2.47	10,260	4,412	0.43	2.66	9,690	4,167	0.43	2.83
26	16	8,455	7,356	0.87	2.30	8,075	7,025	0.87	2.47	7,695	6,695	0.87	2.68
26	18	9,120	6,840	0.75	2.36	8,835	6,626	0.75	2.54	8,265	6,199	0.75	2.74
26	20	9,880	6,224	0.63	2.42	9,500	5,985	0.63	2.59	8,930	5,626	0.63	2.78
26	22	10,640	5,426	0.51	2.47	10,260	5,233	0.51	2.66	9,690	4,942	0.51	2.83
27	16	8,455	7,694	0.91	2.30	8,075	7,348	0.91	2.47	7,695	7,002	0.91	2.68
27	18	9,120	7,205	0.79	2.36	8,835	6,980	0.79	2.54	8,265	6,529	0.79	2.74
27	20	9,880	6,620	0.67	2.42	9,500	6,365	0.67	2.59	8,930	5,983	0.67	2.78
27	22	10,640	5,852	0.55	2.47	10,260	5,643	0.55	2.66	9,690	5,330	0.55	2.83
28	16	8,455	8,032	0.95	2.30	8,075	7,671	0.95	2.47	7,695	7,310	0.95	2.68
28	18	9,120	7,570	0.83	2.36	8,835	7,333	0.83	2.54	8,265	6,860	0.83	2.74
28	20	9,880	7,015	0.71	2.42	9,500	6,745	0.71	2.59	8,930	6,340	0.71	2.78
28	22	10,640	6,278	0.59	2.47	10,260	6,053	0.59	2.66	9,690	5,717	0.59	2.83
30	16	8,455	8,455	1.00	2.30	8,075	8,075	1.00	2.47	7,695	7,695	1.00	2.68
30	18	9,120	8,299	0.91	2.36	8,835	8,040	0.91	2.54	8,265	7,521	0.91	2.74
30	20	9,880	7,805	0.79	2.42	9,500	7,505	0.79	2.59	8,930	7,055	0.79	2.78
30	22	10,640	7,129	0.67	2.47	10,260	6,874	0.67	2.66	9,690	6,492	0.67	2.83
32	16	8,455	8,455	1.00	2.30	8,075	8,075	1.00	2.47	7,695	7,695	1.00	2.68
32	18	9,120	9,029	0.99	2.36	8,835	8,747	0.99	2.54	8,265	8,182	0.99	2.74
32	20	9,880	8,596	0.87	2.42	9,500	8,265	0.87	2.59	8,930	7,769	0.87	2.78
32	22	10,640	7,980	0.75	2.47	10,260	7,695	0.75	2.66	9,690	7,268	0.75	2.83
34	16	8,455	8,455	1.00	2.30	8,075	8,075	1.00	2.47	7,695	7,695	1.00	2.68
34	18	9,120	9,120	1.00	2.36	8,835	8,835	1.00	2.54	8,265	8,265	1.00	2.74
34	20	9,880	9,386	0.95	2.42	9,500	9,025	0.95	2.59	8,930	8,484	0.95	2.78
34	22	10,640	8,831	0.83	2.47	10,260	8,516	0.83	2.66	9,690	8,043	0.83	2.83

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PKA-M71KA PKA-M71KAL / PUHZ-FRP71VHA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	7,029	4,780	0.68	1.54	6,816	4,635	0.68	1.63	6,603	4,490	0.68	1.73
20	18	7,526	4,215	0.56	1.57	7,313	4,095	0.56	1.66	7,065	3,956	0.56	1.78
20	20	8,094	3,561	0.44	1.62	7,917	3,483	0.44	1.70	7,704	3,390	0.44	1.81
22	16	7,029	5,342	0.76	1.54	6,816	5,180	0.76	1.63	6,603	5,018	0.76	1.73
22	18	7,526	4,817	0.64	1.57	7,313	4,680	0.64	1.66	7,065	4,521	0.64	1.78
22	20	8,094	4,209	0.52	1.62	7,917	4,117	0.52	1.70	7,704	4,006	0.52	1.81
24	16	7,029	5,904	0.84	1.54	6,816	5,725	0.84	1.63	6,603	5,547	0.84	1.73
24	18	7,526	5,419	0.72	1.57	7,313	5,265	0.72	1.66	7,065	5,086	0.72	1.78
24	20	8,094	4,856	0.60	1.62	7,917	4,750	0.60	1.70	7,704	4,622	0.60	1.81
24	22	8,627	4,141	0.48	1.66	8,449	4,056	0.48	1.76	8,236	3,953	0.48	1.87
26	16	7,029	6,467	0.92	1.54	6,816	6,271	0.92	1.63	6,603	6,075	0.92	1.73
26	18	7,526	6,021	0.80	1.57	7,313	5,850	0.80	1.66	7,065	5,652	0.80	1.78
26	20	8,094	5,504	0.68	1.62	7,917	5,383	0.68	1.70	7,704	5,238	0.68	1.81
26	22	8,627	4,831	0.56	1.66	8,449	4,731	0.56	1.76	8,236	4,612	0.56	1.87
27	16	7,029	6,748	0.96	1.54	6,816	6,543	0.96	1.63	6,603	6,339	0.96	1.73
27	18	7,526	6,322	0.84	1.57	7,313	6,143	0.84	1.66	7,065	5,934	0.84	1.78
27	20	8,094	5,828	0.72	1.62	7,917	5,700	0.72	1.70	7,704	5,547	0.72	1.81
27	22	8,627	5,176	0.60	1.66	8,449	5,069	0.60	1.76	8,236	4,942	0.60	1.87
28	16	7,029	7,029	1.00	1.54	6,816	6,816	1.00	1.63	6,603	6,603	1.00	1.73
28	18	7,526	6,623	0.88	1.57	7,313	6,435	0.88	1.66	7,065	6,217	0.88	1.78
28	20	8,094	6,151	0.76	1.62	7,917	6,017	0.76	1.70	7,704	5,855	0.76	1.81
28	22	8,627	5,521	0.64	1.66	8,449	5,407	0.64	1.76	8,236	5,271	0.64	1.87
30	16	7,029	7,029	1.00	1.54	6,816	6,816	1.00	1.63	6,603	6,603	1.00	1.73
30	18	7,526	7,225	0.96	1.57	7,313	7,020	0.96	1.66	7,065	6,782	0.96	1.78
30	20	8,094	6,799	0.84	1.62	7,917	6,650	0.84	1.70	7,704	6,471	0.84	1.81
30	22	8,627	6,211	0.72	1.66	8,449	6,083	0.72	1.76	8,236	5,930	0.72	1.87
32	16	7,029	7,029	1.00	1.54	6,816	6,816	1.00	1.63	6,603	6,603	1.00	1.73
32	18	7,526	7,526	1.00	1.57	7,313	7,313	1.00	1.66	7,065	7,065	1.00	1.78
32	20	8,094	7,446	0.92	1.62	7,917	7,283	0.92	1.70	7,704	7,087	0.92	1.81
32	22	8,627	6,901	0.80	1.66	8,449	6,759	0.80	1.76	8,236	6,589	0.80	1.87
34	16	7,029	7,029	1.00	1.54	6,816	6,816	1.00	1.63	6,603	6,603	1.00	1.73
34	18	7,526	7,526	1.00	1.57	7,313	7,313	1.00	1.66	7,065	7,065	1.00	1.78
34	20	8,094	8,094	1.00	1.62	7,917	7,917	1.00	1.70	7,704	7,704	1.00	1.81
34	22	8,627	7,591	0.88	1.66	8,449	7,435	0.88	1.76	8,236	7,248	0.88	1.87

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	6,319	4,297	0.68	1.85	6,035	4,104	0.68	1.99	5,751	3,911	0.68	2.15
20	18	6,816	3,817	0.56	1.90	6,603	3,698	0.56	2.05	6,177	3,459	0.56	2.20
20	20	7,384	3,249	0.44	1.95	7,100	3,124	0.44	2.08	6,674	2,937	0.44	2.24
22	16	6,319	4,802	0.76	1.85	6,035	4,587	0.76	1.99	5,751	4,371	0.76	2.15
22	18	6,816	4,362	0.64	1.90	6,603	4,226	0.64	2.05	6,177	3,953	0.64	2.20
22	20	7,384	3,840	0.52	1.95	7,100	3,692	0.52	2.08	6,674	3,470	0.52	2.24
24	16	6,319	5,308	0.84	1.85	6,035	5,069	0.84	1.99	5,751	4,831	0.84	2.15
24	18	6,816	4,908	0.72	1.90	6,603	4,754	0.72	2.05	6,177	4,447	0.72	2.20
24	20	7,384	4,430	0.60	1.95	7,100	4,260	0.60	2.08	6,674	4,004	0.60	2.24
24	22	7,952	3,817	0.48	1.99	7,668	3,681	0.48	2.14	7,242	3,476	0.48	2.28
26	16	6,319	5,813	0.92	1.85	6,035	5,552	0.92	1.99	5,751	5,291	0.92	2.15
26	18	6,816	5,453	0.80	1.90	6,603	5,282	0.80	2.05	6,177	4,942	0.80	2.20
26	20	7,384	5,021	0.68	1.95	7,100	4,828	0.68	2.08	6,674	4,538	0.68	2.24
26	22	7,952	4,453	0.56	1.99	7,668	4,294	0.56	2.14	7,242	4,056	0.56	2.28
27	16	6,319	6,066	0.96	1.85	6,035	5,794	0.96	1.99	5,751	5,521	0.96	2.15
27	18	6,816	5,725	0.84	1.90	6,603	5,547	0.84	2.05	6,177	5,189	0.84	2.20
27	20	7,384	5,316	0.72	1.95	7,100	5,112	0.72	2.08	6,674	4,805	0.72	2.24
27	22	7,952	4,771	0.60	1.99	7,668	4,601	0.60	2.14	7,242	4,345	0.60	2.28
28	16	6,319	6,319	1.00	1.85	6,035	6,035	1.00	1.99	5,751	5,751	1.00	2.15
28	18	6,816	5,998	0.88	1.90	6,603	5,811	0.88	2.05	6,177	5,436	0.88	2.20
28	20	7,384	5,612	0.76	1.95	7,100	5,396	0.76	2.08	6,674	5,072	0.76	2.24
28	22	7,952	5,089	0.64	1.99	7,668	4,908	0.64	2.14	7,242	4,635	0.64	2.28
30	16	6,319	6,319	1.00	1.85	6,035	6,035	1.00	1.99	5,751	5,751	1.00	2.15
30	18	6,816	6,543	0.96	1.90	6,603	6,339	0.96	2.05	6,177	5,930	0.96	2.20
30	20	7,384	6,203	0.84	1.95	7,100	5,964	0.84	2.08	6,674	5,606	0.84	2.24
30	22	7,952	5,725	0.72	1.99	7,668	5,521	0.72	2.14	7,242	5,214	0.72	2.28
32	16	6,319	6,319	1.00	1.85	6,035	6,035	1.00	1.99	5,751	5,751	1.00	2.15
32	18	6,816	6,816	1.00	1.90	6,603	6,603	1.00	2.05	6,177	6,177	1.00	2.20
32	20	7,384	6,793	0.92	1.95	7,100	6,532	0.92	2.08	6,674	6,140	0.92	2.24
32	22	7,952	6,362	0.80	1.99	7,668	6,134	0.80	2.14	7,242	5,794	0.80	2.28
34	16	6,319	6,319	1.00	1.85	6,035	6,035	1.00	1.99	5,751	5,751	1.00	2.15
34	18	6,816	6,816	1.00	1.90	6,603	6,603	1.00	2.05	6,177	6,177	1.00	2.20
34	20	7,384	7,384	1.00	1.95	7,100	7,100	1.00	2.08	6,674	6,674	1.00	2.24
34	22	7,952	6,998	0.88	1.99	7,668	6,748	0.88	2.14	7,242	6,373	0.88	2.28

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PKA-M100KA PKA-M100KAL / PUHZ-P100VKA PUHZ-P100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,306	5,863	0.63	2.50	9,024	5,685	0.63	2.64	8,742	5,507	0.63	2.79
20	18	9,964	5,082	0.51	2.54	9,682	4,938	0.51	2.68	9,353	4,770	0.51	2.87
20	20	10,716	4,179	0.39	2.62	10,481	4,088	0.39	2.75	10,199	3,978	0.39	2.93
22	16	9,306	6,607	0.71	2.50	9,024	6,407	0.71	2.64	8,742	6,207	0.71	2.79
22	18	9,964	5,879	0.59	2.54	9,682	5,712	0.59	2.68	9,353	5,518	0.59	2.87
22	20	10,716	5,037	0.47	2.62	10,481	4,926	0.47	2.75	10,199	4,794	0.47	2.93
24	16	9,306	7,352	0.79	2.50	9,024	7,129	0.79	2.64	8,742	6,906	0.79	2.79
24	18	9,964	6,676	0.67	2.54	9,682	6,487	0.67	2.68	9,353	6,267	0.67	2.87
24	20	10,716	5,894	0.55	2.62	10,481	5,765	0.55	2.75	10,199	5,609	0.55	2.93
24	22	11,421	4,911	0.43	2.68	11,186	4,810	0.43	2.84	10,904	4,689	0.43	3.03
26	16	9,306	8,096	0.87	2.50	9,024	7,851	0.87	2.64	8,742	7,606	0.87	2.79
26	18	9,964	7,473	0.75	2.54	9,682	7,262	0.75	2.68	9,353	7,015	0.75	2.87
26	20	10,716	6,751	0.63	2.62	10,481	6,603	0.63	2.75	10,199	6,425	0.63	2.93
26	22	11,421	5,825	0.51	2.68	11,186	5,705	0.51	2.84	10,904	5,561	0.51	3.03
27	16	9,306	8,468	0.91	2.50	9,024	8,212	0.91	2.64	8,742	7,955	0.91	2.79
27	18	9,964	7,872	0.79	2.54	9,682	7,649	0.79	2.68	9,353	7,389	0.79	2.87
27	20	10,716	7,180	0.67	2.62	10,481	7,022	0.67	2.75	10,199	6,833	0.67	2.93
27	22	11,421	6,282	0.55	2.68	11,186	6,152	0.55	2.84	10,904	5,997	0.55	3.03
28	16	9,306	8,841	0.95	2.50	9,024	8,573	0.95	2.64	8,742	8,305	0.95	2.79
28	18	9,964	8,270	0.83	2.54	9,682	8,036	0.83	2.68	9,353	7,763	0.83	2.87
28	20	10,716	7,608	0.71	2.62	10,481	7,442	0.71	2.75	10,199	7,241	0.71	2.93
28	22	11,421	6,738	0.59	2.68	11,186	6,600	0.59	2.84	10,904	6,433	0.59	3.03
30	16	9,306	9,306	1.00	2.50	9,024	9,024	1.00	2.64	8,742	8,742	1.00	2.79
30	18	9,964	9,067	0.91	2.54	9,682	8,811	0.91	2.68	9,353	8,511	0.91	2.87
30	20	10,716	8,466	0.79	2.62	10,481	8,280	0.79	2.75	10,199	8,057	0.79	2.93
30	22	11,421	7,652	0.67	2.68	11,186	7,495	0.67	2.84	10,904	7,306	0.67	3.03
32	16	9,306	9,306	1.00	2.50	9,024	9,024	1.00	2.64	8,742	8,742	1.00	2.79
32	18	9,964	9,864	0.99	2.54	9,682	9,585	0.99	2.68	9,353	9,259	0.99	2.87
32	20	10,716	9,323	0.87	2.62	10,481	9,118	0.87	2.75	10,199	8,873	0.87	2.93
32	22	11,421	8,566	0.75	2.68	11,186	8,390	0.75	2.84	10,904	8,178	0.75	3.03
34	16	9,306	9,306	1.00	2.50	9,024	9,024	1.00	2.64	8,742	8,742	1.00	2.79
34	18	9,964	9,964	1.00	2.54	9,682	9,682	1.00	2.68	9,353	9,353	1.00	2.87
34	20	10,716	10,180	0.95	2.62	10,481	9,957	0.95	2.75	10,199	9,689	0.95	2.93
34	22	11,421	9,479	0.83	2.68	11,186	9,284	0.83	2.84	10,904	9,050	0.83	3.03

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,366	5,271	0.63	3.00	7,990	5,034	0.63	3.21	7,614	4,797	0.63	3.48
20	18	9,024	4,602	0.51	3.07	8,742	4,458	0.51	3.31	8,178	4,171	0.51	3.56
20	20	9,776	3,813	0.39	3.15	9,400	3,666	0.39	3.37	8,836	3,446	0.39	3.62
22	16	8,366	5,940	0.71	3.00	7,990	5,673	0.71	3.21	7,614	5,406	0.71	3.48
22	18	9,024	5,324	0.59	3.07	8,742	5,158	0.59	3.31	8,178	4,825	0.59	3.56
22	20	9,776	4,595	0.47	3.15	9,400	4,418	0.47	3.37	8,836	4,153	0.47	3.62
24	16	8,366	6,609	0.79	3.00	7,990	6,312	0.79	3.21	7,614	6,015	0.79	3.48
24	18	9,024	6,046	0.67	3.07	8,742	5,857	0.67	3.31	8,178	5,479	0.67	3.56
24	20	9,776	5,377	0.55	3.15	9,400	5,170	0.55	3.37	8,836	4,860	0.55	3.62
24	22	10,528	4,527	0.43	3.21	10,152	4,365	0.43	3.46	9,588	4,123	0.43	3.68
26	16	8,366	7,278	0.87	3.00	7,990	6,951	0.87	3.21	7,614	6,624	0.87	3.48
26	18	9,024	6,768	0.75	3.07	8,742	6,557	0.75	3.31	8,178	6,134	0.75	3.56
26	20	9,776	6,159	0.63	3.15	9,400	5,922	0.63	3.37	8,836	5,567	0.63	3.62
26	22	10,528	5,369	0.51	3.21	10,152	5,178	0.51	3.46	9,588	4,890	0.51	3.68
27	16	8,366	7,613	0.91	3.00	7,990	7,271	0.91	3.21	7,614	6,929	0.91	3.48
27	18	9,024	7,129	0.79	3.07	8,742	6,906	0.79	3.31	8,178	6,461	0.79	3.56
27	20	9,776	6,550	0.67	3.15	9,400	6,298	0.67	3.37	8,836	5,920	0.67	3.62
27	22	10,528	5,790	0.55	3.21	10,152	5,584	0.55	3.46	9,588	5,273	0.55	3.68
28	16	8,366	7,948	0.95	3.00	7,990	7,591	0.95	3.21	7,614	7,233	0.95	3.48
28	18	9,024	7,490	0.83	3.07	8,742	7,256	0.83	3.31	8,178	6,788	0.83	3.56
28	20	9,776	6,941	0.71	3.15	9,400	6,674	0.71	3.37	8,836	6,274	0.71	3.62
28	22	10,528	6,212	0.59	3.21	10,152	5,990	0.59	3.46	9,588	5,657	0.59	3.68
30	16	8,366	8,366	1.00	3.00	7,990	7,990	1.00	3.21	7,614	7,614	1.00	3.48
30	18	9,024	8,212	0.91	3.07	8,742	7,955	0.91	3.31	8,178	7,442	0.91	3.56
30	20	9,776	7,723	0.79	3.15	9,400	7,426	0.79	3.37	8,836	6,980	0.79	3.62
30	22	10,528	7,054	0.67	3.21	10,152	6,802	0.67	3.46	9,588	6,424	0.67	3.68
32	16	8,366	8,366	1.00	3.00	7,990	7,990	1.00	3.21	7,614	7,614	1.00	3.48
32	18	9,024	8,934	0.99	3.07	8,742	8,655	0.99	3.31	8,178	8,096	0.99	3.56
32	20	9,776	8,505	0.87	3.15	9,400	8,178	0.87	3.37	8,836	7,687	0.87	3.62
32	22	10,528	7,896	0.75	3.21	10,152	7,614	0.75	3.46	9,588	7,191	0.75	3.68
34	16	8,366	8,366	1.00	3.00	7,990	7,990	1.00	3.21	7,614	7,614	1.00	3.48
34	18	9,024	9,024	1.00	3.07	8,742	8,742	1.00	3.31	8,178	8,178	1.00	3.56
34	20	9,776	9,287	0.95	3.15	9,400	8,930	0.95	3.37	8,836	8,394	0.95	3.62
34	22	10,528	8,738	0.83	3.21	10,152	8,426	0.83	3.46	9,588	7,958	0.83	3.68

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

HEATING CAPACITY

PKA-M100KA PKA-M100KAL / PUHZ-SHW112VHA(-BS) PUHZ-SHW112YHA(-BS)

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PKA-M100KA PKA-M100KAL	15	11,648	5.34	11,648	4.90	11,648	4.00	11,648	2.92	12,768	3.17	14,112	3.37
	20	11,200	5.52	11,200	5.09	11,200	4.22	11,200	3.13	12,320	3.35	13,608	3.61
	25	10,752	5.71	10,752	5.28	10,752	4.41	10,752	3.35	11,872	3.60	13,160	3.91

Note: CA : Capacity (W) P.C. : Total power input (kW)

PKA-M·LA PKA-M·LAL / PUHZ-ZRP·VKA2
PKA-M·KA PKA-M·KAL / PUHZ-ZRP·VHA2 PUHZ-ZRP·VKA3 PUHZ-ZRP·YKA3

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PKA-M35LA PKA-M35LAL	15	2,604	0.63	2,829	0.70	3,157	0.80	4,141	0.96	4,674	1.07	5,207	1.16
	20	2,501	0.68	2,706	0.75	2,993	0.87	3,998	1.04	4,510	1.16	5,023	1.24
	25	2,419	0.73	2,624	0.81	2,870	0.94	3,772	1.10	4,346	1.24	4,838	1.33
PKA-M50LA PKA-M50LAL	15	3,175	0.89	3,450	0.98	3,850	1.13	5,050	1.35	5,700	1.50	6,350	1.62
	20	3,050	0.96	3,300	1.05	3,650	1.22	4,875	1.46	5,500	1.62	6,125	1.74
	25	2,950	1.02	3,200	1.14	3,500	1.32	4,600	1.55	5,300	1.73	5,900	1.87
PKA-M60KA PKA-M60KAL	15	4,445	1.16	4,830	1.27	5,390	1.47	7,070	1.76	7,980	1.96	8,890	2.12
	20	4,270	1.25	4,620	1.37	5,110	1.59	6,825	1.90	7,700	2.12	8,575	2.27
	25	4,130	1.33	4,480	1.49	4,900	1.72	6,440	2.02	7,420	2.26	8,260	2.44
PKA-M71KA PKA-M71KAL	15	5,080	1.29	5,520	1.42	6,160	1.64	8,080	1.97	9,120	2.19	10,160	2.37
	20	4,880	1.40	5,280	1.53	5,840	1.77	7,800	2.12	8,800	2.37	9,800	2.54
	25	4,720	1.49	5,120	1.66	5,600	1.93	7,360	2.26	8,480	2.53	9,440	2.73
PKA-M100KA PKA-M100KAL	15	7,112	1.79	7,728	1.98	8,624	2.28	11,312	2.74	12,768	3.04	14,224	3.28
	20	6,832	1.95	7,392	2.13	8,176	2.46	10,920	2.95	12,320	3.28	13,720	3.53
	25	6,608	2.07	7,168	2.31	7,840	2.68	10,304	3.13	11,872	3.51	13,216	3.78

Note: CA : Capacity (W) P.C. : Total power input (kW)

PKA-M100KA PKA-M100KAL / PUHZ-P100VKA PUHZ-P100YKA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PKA-M100KA PKA-M100KAL	15	7,112	2.05	7,728	2.26	8,624	2.61	11,312	3.13	12,768	3.48	14,224	3.76
	20	6,832	2.23	7,392	2.44	8,176	2.82	10,920	3.38	12,320	3.76	13,720	4.04
	25	6,608	2.37	7,168	2.64	7,840	3.06	10,304	3.58	11,872	4.02	13,216	4.33

Note: CA : Capacity (W) P.C. : Total power input (kW)

PKA-M71KA PKA-M71KAL / PUHZ-FRP71VHA2

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PKA-M71KA PKA-M71KAL	15	5,080	1.35	5,520	1.49	6,160	1.72	8,080	2.06	9,120	2.29	10,160	2.47
	20	4,880	1.47	5,280	1.60	5,840	1.85	7,800	2.22	8,800	2.47	9,800	2.66
	25	4,720	1.56	5,120	1.74	5,600	2.02	7,360	2.36	8,480	2.64	9,440	2.85

Note: CA : Capacity (W) P.C. : Total power input (kW)

A.2.6 NOISE CRITERIA CURVES

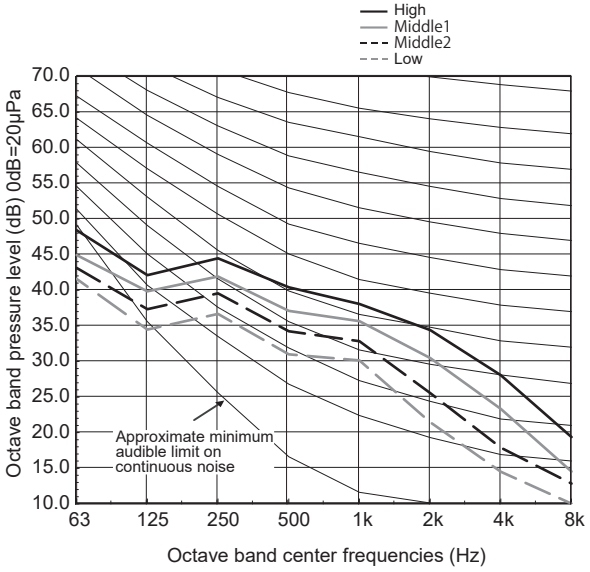
A.2.6.1 SOUND LEVELS

Low-Middle-High

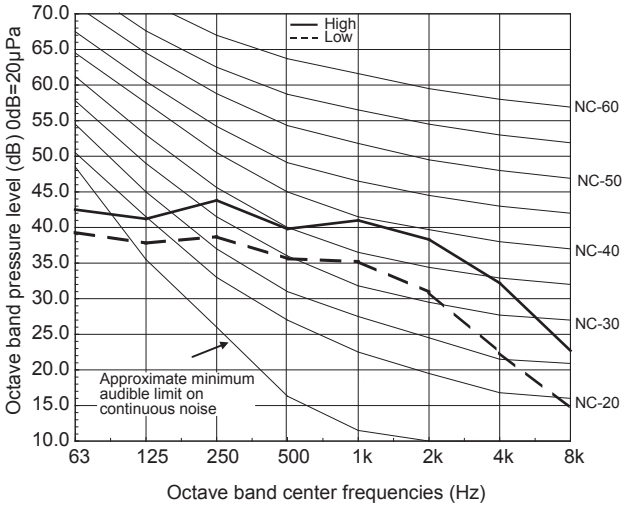
Model	Sound level dB (A)
PKA-M35LA(L) PKA-M50LA(L)	36 - 40 - 43
PKA-M60KA(L) PKA-M71KA(L)	39 - 42 - 45
PKA-M100KA(L)	41 - 45 - 49

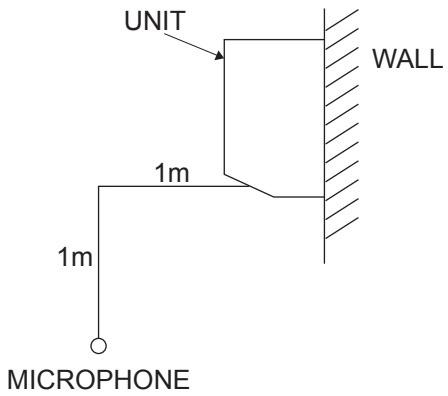
A.2.6.2 NOISE CRITERIA CURVES

PKA-M35LA PKA-M50LA
PKA-M35LAL PKA-M50LAL

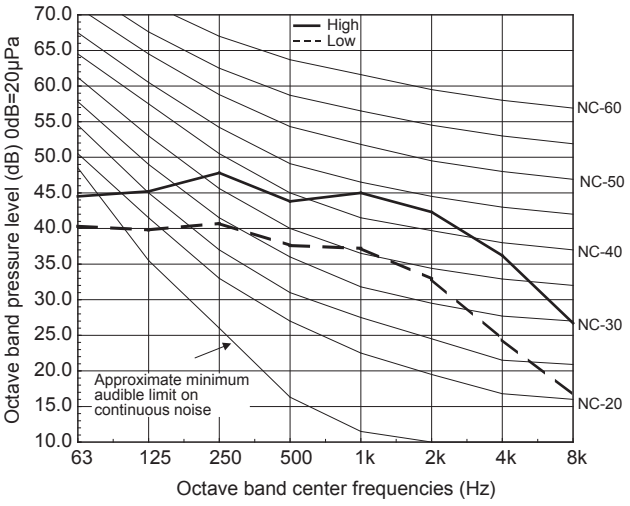


PKA-M60KA PKA-M71KA
PKA-M60KAL PKA-M71KAL





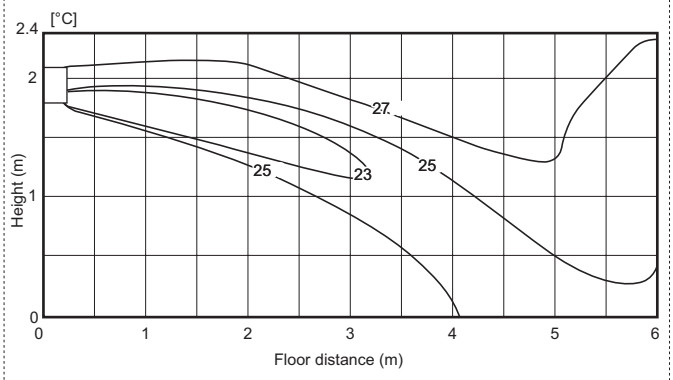
PKA-M100KA
PKA-M100KAL



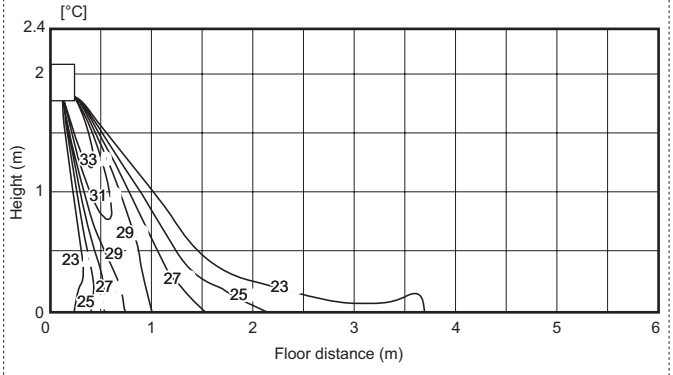
A.2.7 TEMPERATURE AND AIR FLOW DISTRIBUTIONS
PKA-M·LA PKA-M·LAL PKA-M·KA PKA-M·KAL
Temperature distribution

PKA-M50LA PKA-M50LAL

<Cooling mode>
Horizontal air flow

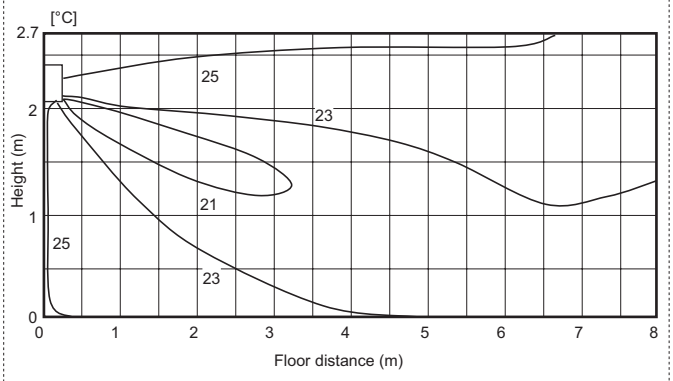


<Heating mode>
Downward air flow

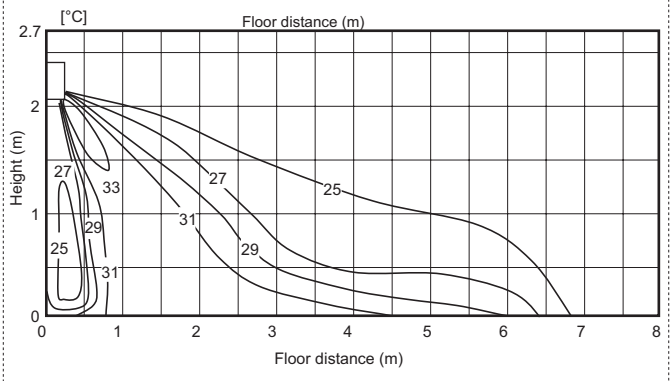


PKA-M100KA PKA-M100KAL

<Cooling mode>
Horizontal air flow



<Heating mode>
Downward air flow

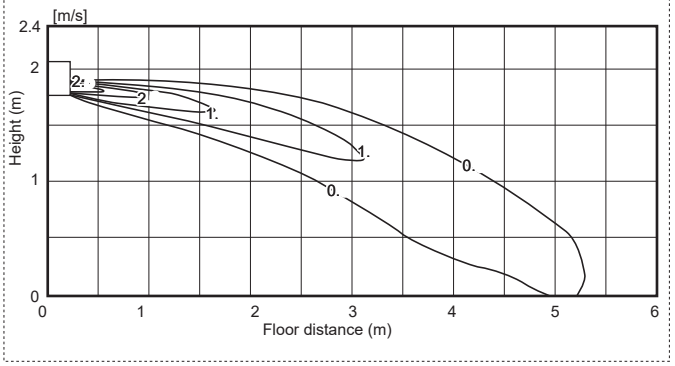


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

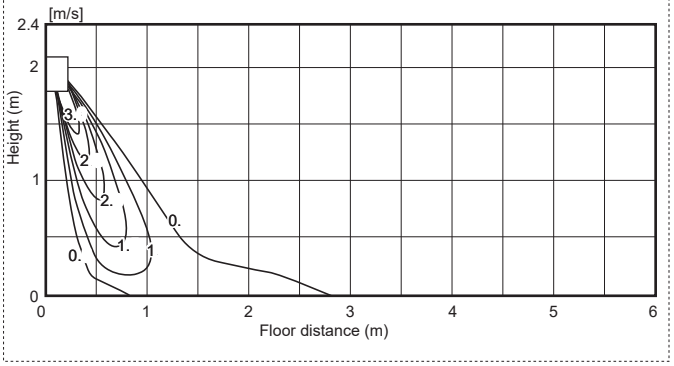
Airflow distribution

PKA-M50LA PKA-M50LAL

<Fan mode>
Horizontal air flow

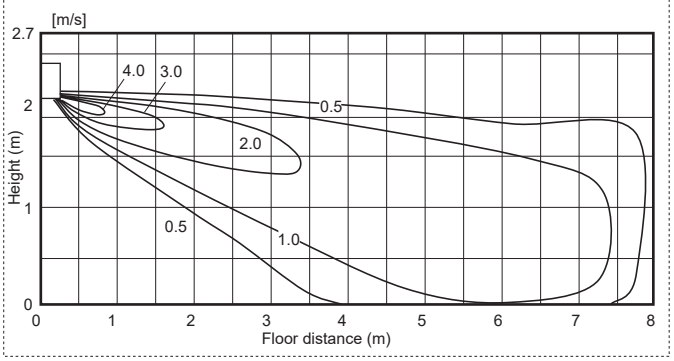


<Fan mode>
Downward air flow

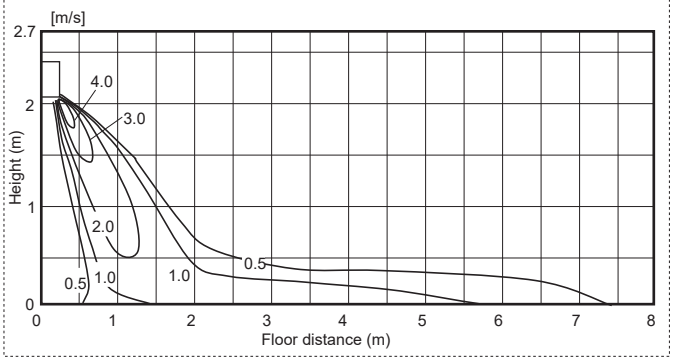


PKA-M100KA PKA-M100KAL

<Fan mode>
Horizontal air flow



<Fan mode>
Downward air flow



Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

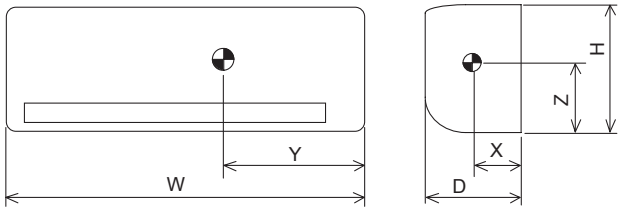
A.2.8 OUTLET AIR SPEED AND COVERAGE RANGE

		PKA-M35LA(L)	PKA-M50LA
Air flow	m^3/min	10.9	10.9
Air speed	m/sec	4.9	4.9
Coverage range	m (ft)	9.2(30.0)	9.2(30.0)

		PKA-M60KA(L)	PKA-M71KA(L)	PKA-M100KA(L)
Air flow	m^3/min	22	22	26
Air speed	m/sec	6.0	6.0	6.8
Coverage range	m (ft)	14.3 (46.9)	14.3 (46.9)	16.1 (52.8)

The air coverage range is the distance to which the 0.25m/sec air can reach,when air is blown out horizontally from the unit at the High notch position.
The coverage range should be used only as a general guideline since it varies according to the size of the room and the furniture inside the room.

A.2.9 CENTER OF GRAVITY POSITION



Unit: mm

Model	W	D	H	X	Y	Z
PKA-M35LA(L)	898	237	299	120	390	150
PKA-M50LA(L)	898	237	299	120	390	150
PKA-M60KA(L)	1170	295	365	190	460	190
PKA-M71KA(L)	1170	295	365	190	460	190
PKA-M100KA(L)	1170	295	365	190	460	190

A.3 CEILING SUSPENDED (PCA)

A.3.1 SPECIFICATIONS

A.3.1.1 R32 type

1.Power Inverter SERIES

Model Name	Indoor Unit				PCA-M35KA	PCA-M50KA	PCA-M60KA	PCA-M71KA	PCA-M100KA	PCA-M100KA
	Outdoor Unit				PUZ-ZM35VKA	PUZ-ZM50VKA	PUZ-ZM60VHA	PUZ-ZM71VHA	PUZ-ZM100VKA	PUZ-ZM100YKA
Power Supply				Source	Outdoor power supply					
	Out			V	230	230	230	230	230	400
				Phase	Single	Single	Single	Single	Single	3
				Hz	50	50	50	50	50	50
	In			V	-	-	-	-	-	-
				Phase	-	-	-	-	-	-
				Hz	-	-	-	-	-	-
Refrigerant					R32	R32	R32	R32	R32	R32
Cooling	Capacity	Rated		kW	3.6	5.0	6.1	7.1	9.5	9.5
		Max.		kW	4.5	5.6	6.7	8.1	11.4	11.4
		Min.		kW	1.6	2.3	2.7	3.3	4.9	4.9
	SHF	Rated			0.88	0.79	0.81	0.76	0.77	0.77
	Total Input	Rated		kW	0.829	1.25	1.521	1.829	2.317	2.317
	EER				4.34	4.00	4.01	3.88	4.10	4.10
	Annual Electricity Consumption			kWh/a	197	260	328	371	513	523
	SEER				6.4	6.7	6.5	6.7	6.4	6.3
		Energy efficiency class			A++	A++	A++	A++	A++	A++
Heating	Capacity	Rated		kW	4.1	5.5	7.0	8.0	11.2	11.2
		Max.		kW	5.2	6.6	8.2	10.2	14.0	14.0
		Min.		kW	1.6	2.5	2.8	3.5	4.5	4.5
	Total Input	Rated		kW	1.019	1.361	1.745	2.156	3.018	3.018
	COP				4.02	4.04	4.01	3.71	3.71	3.71
	Annual Electricity Consumption			kWh/a	839	1265	1499	1563	2539	2539
	SCOP				4.0	4.2	4.1	4.2	4.3	4.3
		Energy efficiency class			A+	A+	A+	A+	A+	A+
Operating Current(max)				A	13.3	13.4	19.4	19.4	27.2	8.7
Indoor Unit	Input	Rated		kW	0.040	0.050	0.060	0.060	0.090	0.090
	Operating Current(max)			A	0.29	0.37	0.39	0.42	0.65	0.65
	Dimensions		Height	mm	230	230	230	230	230	230
			Width	mm	960	960	1280	1280	1600	1600
			Depth	mm	680	680	680	680	680	680
	Weight			kg	25	26	32	32	37	37
	Air Volume		Low	m³/min.	10.0	10.0	15.0	16.0	22.0	22.0
			Mid2	m³/min.	11.0	11.0	16.0	17.0	24.0	24.0
			Mid	m³/min.	12.0	13.0	17.0	18.0	26.0	26.0
			Hi	m³/min.	14.0	15.0	19.0	20.0	28.0	28.0
	External Static Pressure			Pa	-	-	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	31	32	33	35	37	37
			Mid2	dB(A)	33	34	35	37	39	39
			Mid	dB(A)	36	37	37	39	41	41
			Hi	dB(A)	39	40	40	41	43	43
	Sound Level (PWL)	Cooling			60	60	60	62	63	63
Outdoor Unit	Dimensions		Height	mm	630	630	943	943	1338	1338
			Width	mm	809	809	950	950	1050	1050
			Depth	mm	300 (+23)	300 (+23)	330 (+25)	330 (+25)	330 (+40)	330 (+40)
	Weight			kg	46	46	70	70	116	123
	Air Volume	Cooling	Rated	m³/min.	45.0	45.0	55.0	55.0	110.0	110.0
		Heating	Rated	m³/min.	45.0	45.0	55.0	55.0	110.0	110.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	44	44	47	47	49	49
			Silent	dB(A)	41	41	44	44	46	46
		Heating	Rated	dB(A)	46	46	49	49	51	51
	Sound Level (PWL)	Cooling			65	65	67	67	69	69
	Operating Current(max)			A	13.0	13.0	19.0	19.0	26.5	8.0
	Breaker Size			A	16	16	25	25	32	16
Ext. Piping	Diameter	Liquid		mm	6.35	6.35	9.52	9.52	9.52	9.52
		Gas		mm	12.7	12.7	15.88	15.88	15.88	15.88
	Max. Length	Out-In		m	50	50	55	55	100	100
	Max. Height	Out-In	Below Indoor	m	30	30	30	30	30	30
			Above Indoor	m	30	30	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21	21	21
			Lower Limit.	°C	-11	-11	-20	-20	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PCA-M125KA	PCA-M125KA	PCA-M140KA	PCA-M140KA
	Outdoor Unit				PUZ-ZM125VKA	PUZ-ZM125YKA	PUZ-ZM140VKA	PUZ-ZM140YKA
Power Supply				Source	Outdoor power supply			
	Out			V	230	400	230	400
				Phase	Single	3	Single	3
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R32	R32	R32	R32
Cooling	Capacity	Rated		kW	12.5	12.5	13.4	13.4
		Max.		kW	14.0	14.0	15.0	15.0
		Min.		kW	5.5	5.5	6.2	6.2
	SHF	Rated			0.72	0.72	0.72	0.72
	Total Input	Rated		kW	3.846	3.846	3.941	3.941
	EER				3.25	3.25	3.40	3.40
	Annual Electricity Consumption			kWh/a	-	-	-	-
	SEER				-	-	-	-
		Energy efficiency class			-	-	-	-
Heating	Capacity	Rated		kW	14.0	14.0	16.0	16.0
		Max.		kW	16.0	16.0	18.0	18.0
		Min.		kW	5.0	5.0	5.7	5.7
	Total Input	Rated		kW	3.954	3.954	4.432	4.432
	COP				3.54	3.54	3.61	3.61
	Annual Electricity Consumption			kWh/a	-	-	-	-
	SCOP				-	-	-	-
		Energy efficiency class			-	-	-	-
Operating Current(max)				A	27.3	10.3	28.9	13.9
Indoor Unit	Input	Rated		kW	0.110	0.110	0.140	0.140
	Operating Current(max)			A	0.76	0.76	0.90	0.90
	Dimensions		Height	mm	230	230	230	230
			Width	mm	1600	1600	1600	1600
			Depth	mm	680	680	680	680
	Weight			kg	38	38	40	40
	Air Volume		Low	m³/min.	23.0	23.0	24.0	24.0
			Mid2	m³/min.	25.0	25.0	26.0	26.0
			Mid	m³/min.	27.0	27.0	29.0	29.0
			Hi	m³/min.	29.0	29.0	32.0	32.0
	External Static Pressure			Pa	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	39	39	41	41
			Mid2	dB(A)	41	41	43	43
			Mid	dB(A)	43	43	45	45
			Hi	dB(A)	45	45	48	48
	Sound Level (PWL)	Cooling			65	65	68	68
Outdoor Unit	Dimensions		Height	mm	1338	1338	1338	1338
			Width	mm	1050	1050	1050	1050
			Depth	mm	330 (+40)	330 (+40)	330 (+40)	330 (+40)
	Weight			kg	116	125	118	131
	Air Volume	Cooling	Rated	m³/min.	120.0	120.0	120.0	120.0
		Heating	Rated	m³/min.	120.0	120.0	120.0	120.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	50	50	50	50
			Silent	dB(A)	47	47	47	47
		Heating	Rated	dB(A)	52	52	52	52
	Sound Level (PWL)	Cooling			70	70	70	70
	Operating Current(max)			A	26.5	9.5	28.0	13.0
	Breaker Size			A	32	16	40	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88	15.88
	Max. Length	Out-In		m	100	100	100	100
	Max. Height	Out-In	Below Indoor	m	30	30	30	30
			Above Indoor	m	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21
			Lower Limit.	°C	-20	-20	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PCA-M35KA	PCA-M50KA	PCA-M60KA	PCA-M71KA
	Outdoor Unit				SUZ-M35VA	SUZ-M50VA	SUZ-M60KA	SUZ-M71VA
Power Supply				Source	Outdoor power supply			
	Out			V	230	230	230	230
				Phase	Single	Single	Single	Single
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R32	R32	R32	R32
Cooling	Capacity	Rated		kW	3.6	5.0	6.1	7.1
		Max.		kW	3.9	5.6	6.3	8.1
		Min.		kW	0.8	1.5	1.6	2.2
	SHF	Rated			0.88	0.79	0.81	0.76
	Total Input	Rated		kW	0.90	1.51	1.64	1.97
	EER				4.00	3.30	3.70	3.60
	Annual Electricity Consumption			kWh/a	198	291	333	381
	SEER				6.3	6.0	6.4	6.5
		Energy efficiency class			A^{++}	A^{+}	A^{++}	A^{++}
Heating	Capacity	Rated		kW	4.1	6.0	7.0	8.0
		Max.		kW	5.0	7.2	8.0	10.2
		Min.		kW	1.0	1.5	1.6	2.0
	Total Input	Rated		kW	1.02	1.61	1.75	2.21
	COP				4.00	3.71	4.00	3.61
	Annual Electricity Consumption			kWh/a	909	1456	1555	1971
	SCOP				4.0	4.1	4.1	4.1
		Energy efficiency class			A^{+}	A^{+}	A^{+}	A^{+}
Operating Current(max)				A	8.8	13.9	15.2	15.2
Indoor Unit	Input	Rated		kW	0.040	0.050	0.060	0.060
	Operating Current(max)			A	0.29	0.37	0.39	0.42
	Dimensions		Height	mm	230	230	230	230
			Width	mm	960	960	1280	1280
			Depth	mm	680	680	680	680
	Weight			kg	25	26	32	32
	Air Volume		Low	m^3/min.	10.0	10.0	15.0	16.0
			Mid2	m^3/min.	11.0	11.0	16.0	17.0
			Mid	m^3/min.	12.0	13.0	17.0	18.0
			Hi	m^3/min.	14.0	15.0	19.0	20.0
	External Static Pressure			Pa	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	31	32	33	35
			Mid2	dB(A)	33	34	35	37
			Mid	dB(A)	36	37	37	39
			Hi	dB(A)	39	40	40	41
	Sound Level (PWL)	Cooling			60	60	60	62
Outdoor Unit	Dimensions		Height	mm	550	714	880	880
			Width	mm	800	800	840	840
			Depth	mm	285	285	330	330
	Weight			kg	35	41	54	55
	Air Volume	Cooling	Rated	m^3/min.	34.3	45.8	50.1	50.1
		Heating	Rated	m^3/min.	32.7	43.7	50.1	50.1
	Sound Level (SPL)	Cooling	Rated	dB(A)	48	48	49	49
			Silent	dB(A)	-	-	-	-
		Heating	Rated	dB(A)	48	49	51	51
	Sound Level (PWL)	Cooling			59	64	65	66
	Operating Current(max)			A	8.5	13.5	14.8	14.8
	Breaker Size			A	10	20	20	20
Ext. Piping	Diameter	Liquid		mm	6.35	6.35	6.35	9.52
		Gas		mm	9.52	12.7	15.88	15.88
	Max. Length	Out-In		m	20	30	30	30
	Max. Height	Out-In	Below Indoor	m	12	30	30	30
			Above Indoor	m	12	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-10	-15	-15	-15
		Heating	Upper Limit.	°C	24	24	24	24
			Lower Limit.	°C	-10	-10	-10	-10

Model Name	Indoor Unit				PCA-M100KA	PCA-M100KA	PCA-M125KA	PCA-M125KA	PCA-M140KA	PCA-M140KA
	Outdoor Unit				PUZ-M100VKA	PUZ-M100YKA	PUZ-M125VKA	PUZ-M125YKA	PUZ-M140VKA	PUZ-M140YKA
Power Supply				Source	Outdoor power supply					
	Out			V	230	400	230	400	230	400
				Phase	Single	3	Single	3	Single	3
				Hz	50	50	50	50	50	50
	In			V	-	-	-	-	-	-
				Phase	-	-	-	-	-	-
				Hz	-	-	-	-	-	-
Refrigerant					R32	R32	R32	R32	R32	R32
Cooling	Capacity	Rated		kW	9.5	9.5	12.1	12.1	13.4	13.4
		Max.		kW	10.6	10.6	13.0	13.0	14.1	14.1
		Min.		kW	4.0	4.0	5.7	5.7	5.7	5.7
	SHF	Rated			0.77	0.77	0.72	0.72	0.72	0.72
	Total Input	Rated		kW	2.94	2.94	4.01	4.01	5.36	5.36
	EER				3.23	3.23	3.01	3.01	2.50	2.50
	Annual Electricity Consumption			kWh/a	552	552	-	-	-	-
	SEER				6.0	6.0	-	-	-	-
		Energy efficiency class			A^+	A^+	-	-	-	-
Heating	Capacity	Rated		kW	11.2	11.2	13.5	13.5	15.0	15.0
		Max.		kW	12.5	12.5	15.0	15.0	15.8	15.8
		Min.		kW	2.8	2.8	4.1	4.1	4.2	4.2
	Total Input	Rated		kW	3.28	3.28	3.95	3.95	4.28	4.28
	COP				3.41	3.41	3.41	3.41	3.50	3.50
	Annual Electricity Consumption			kWh/a	2719	2719	-	-	-	-
	SCOP				4.1	4.1	-	-	-	-
		Energy efficiency class			A^+	A^+	-	-	-	-
Operating Current(max)				A	20.7	12.2	27.3	12.3	30.9	12.4
Indoor Unit	Input	Rated		kW	0.090	0.090	0.110	0.110	0.140	0.140
	Operating Current(max)			A	0.65	0.65	0.76	0.76	0.90	0.90
	Dimensions		Height	mm	230	230	230	230	230	230
			Width	mm	1600	1600	1600	1600	1600	1600
			Depth	mm	680	680	680	680	680	680
	Weight			kg	37	37	38	38	40	40
	Air Volume		Low	m^3/min.	22.0	22.0	23.0	23.0	24.0	24.0
			Mid2	m^3/min.	24.0	24.0	25.0	25.0	26.0	26.0
			Mid	m^3/min.	26.0	26.0	27.0	27.0	29.0	29.0
			Hi	m^3/min.	28.0	28.0	29.0	29.0	32.0	32.0
	External Static Pressure			Pa	-	-	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	37	37	39	39	41	41
			Mid2	dB(A)	39	39	41	41	43	43
			Mid	dB(A)	41	41	43	43	45	45
			Hi	dB(A)	43	43	45	45	48	48
	Sound Level (PWL)	Cooling			63	63	65	65	68	68
Outdoor Unit	Dimensions		Height	mm	981	981	981	981	981	981
			Width	mm	1050	1050	1050	1050	1050	1050
			Depth	mm	330 (+40)	330 (+40)	330 (+40)	330 (+40)	330 (+40)	330 (+40)
	Weight			kg	76	78	84	85	84	85
	Air Volume	Cooling	Rated	m^3/min.	79	79	86	86	86	86
		Heating	Rated	m^3/min.	79	79	92	92	92	92
	Sound Level (SPL)	Cooling	Rated	dB(A)	51	51	54	54	55	55
			Silent	dB(A)	49	49	52	52	53	53
		Heating	Rated	dB(A)	54	54	56	56	57	57
	Sound Level (PWL)	Cooling			70	70	72	72	73	73
	Operating Current(max)			A	20	11.5	26.5	11.5	30	11.5
	Breaker Size			A	32	16	32	16	40	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88	15.88	15.88	15.88
	Max. Length	Out-In		m	55	55	65	65	65	65
	Max. Height	Out-In	Below Indoor	m	30	30	30	30	30	30
			Above Indoor	m	30	30	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21	21	21
			Lower Limit.	°C	-15	-15	-15	-15	-15	-15

* Optional air protection guide is required where ambient temperature is lower than -5°C.

A.3.1.2 R410A type
1.Power Inverter SERIES

Model Name	Indoor Unit				PCA-M35KA	PCA-M50KA	PCA-M60KA	PCA-M71KA	PCA-M100KA	PCA-M100KA
	Outdoor Unit				PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3
Power Supply				Source	Outdoor power supply					
	Out			V	230	230	230	230	230	400
				Phase	Single	Single	Single	Single	Single	3
				Hz	50	50	50	50	50	50
	In			V	-	-	-	-	-	-
				Phase	-	-	-	-	-	-
				Hz	-	-	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	3.6	5.0	6.1	7.1	9.5	9.5
		Max.		kW	4.5	5.6	6.7	8.1	11.4	11.4
		Min.		kW	1.6	2.3	2.7	3.3	4.9	4.9
	SHF	Rated			0.88	0.79	0.81	0.76	0.77	0.77
	Total Input	Rated		kW	0.86	1.34	1.66	1.82	2.42	2.42
	EER				4.19	3.73	3.67	3.90	3.93	3.93
	Annual Electricity Consumption			kWh/a	202	283	340	367	542	553
	SEER				6.2	6.1	6.2	6.7	6.1	6.0
		Energy efficiency class			A++	A++	A++	A++	A++	A+
Heating	Capacity	Rated		kW	4.1	5.5	7.0	8.0	11.2	11.2
		Max.		kW	5.2	6.6	8.2	10.2	14.0	14.0
		Min.		kW	1.6	2.5	2.8	3.5	4.5	4.5
	Total Input	Rated		kW	1.02	1.45	1.93	2.20	3.04	3.04
	COP				4.02	3.79	3.63	3.64	3.68	3.68
	Annual Electricity Consumption			kWh/a	815	1257	1458	1519	2837	2837
	SCOP				4.1	4.2	4.3	4.3	3.9	3.9
		Energy efficiency class			A+	A+	A+	A+	A	A
Operating Current(max)				A	13.3	13.4	19.4	19.4	27.2	8.7
Indoor Unit	Input	Rated		kW	0.040	0.050	0.060	0.060	0.090	0.090
	Operating Current(max)			A	0.29	0.37	0.39	0.42	0.65	0.65
	Dimensions		Height	mm	230	230	230	230	230	230
			Width	mm	960	960	1280	1280	1600	1600
			Depth	mm	680	680	680	680	680	680
	Weight			kg	25	26	32	32	37	37
	Air Volume		Low	m³/min.	10.0	10.0	15.0	16.0	22.0	22.0
			Mid2	m³/min.	11.0	11.0	16.0	17.0	24.0	24.0
			Mid	m³/min.	12.0	13.0	17.0	18.0	26.0	26.0
			Hi	m³/min.	14.0	15.0	19.0	20.0	28.0	28.0
	External Static Pressure			Pa	-	-	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	31	32	33	35	37	37
			Mid2	dB(A)	33	34	35	37	39	39
			Mid	dB(A)	36	37	37	39	41	41
			Hi	dB(A)	39	40	40	41	43	43
	Sound Level (PWL)	Cooling			60	60	60	62	63	63
Outdoor Unit	Dimensions		Height	mm	630	630	943	943	1338	1338
			Width	mm	809	809	950	950	1050	1050
			Depth	mm	300 (+23)	300 (+23)	330 (+30)	330 (+30)	330 (+40)	330 (+40)
	Weight			kg	43	46	70	70	116	123
	Air Volume	Cooling	Rated	m³/min.	45.0	45.0	55.0	55.0	110.0	110.0
		Heating	Rated	m³/min.	45.0	45.0	55.0	55.0	110.0	110.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	44	44	47	47	49	49
			Silent	dB(A)	41	41	44	44	46	46
		Heating	Rated	dB(A)	46	46	48	48	51	51
	Sound Level (PWL)	Cooling			65	65	67	67	69	69
	Operating Current(max)			A	13.0	13.0	19.0	19.0	26.5	8.0
	Breaker Size			A	16	16	25	25	32	16
Ext. Piping	Diameter	Liquid		mm	6.35	6.35	9.52	9.52	9.52	9.52
		Gas		mm	12.7	12.7	15.88	15.88	15.88	15.88
	Max. Length	Out-In		m	50	50	50	50	75	75
	Max. Height	Out-In	Below Indoor	m	30	30	30	30	30	30
			Above Indoor	m	30	30	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21	21	21
			Lower Limit.	°C	-11	-11	-20	-20	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PCA-M125KA	PCA-M125KA	PCA-M140KA	PCA-M140KA
	Outdoor Unit				PUHZ-ZRP125VKA3	PUHZ-ZRP125YKA3	PUHZ-ZRP140VKA3	PUHZ-ZRP140YKA3
Power Supply				Source	Outdoor power supply			
	Out			V	230	400	230	400
				Phase	Single	3	Single	3
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	12.5	12.5	13.4	13.4
		Max.		kW	14.0	14.0	15.0	15.0
		Min.		kW	5.5	5.5	6.2	6.2
	SHF	Rated			0.72	0.72	0.72	0.72
	Total Input	Rated		kW	3.98	3.98	3.95	3.95
	EER				3.14	3.14	3.39	3.39
	Annual Electricity Consumption			kWh/a	-	-	-	-
	SEER				-	-	-	-
		Energy efficiency class			-	-	-	-
Heating	Capacity	Rated		kW	14.0	14.0	16.0	16.0
		Max.		kW	16.0	16.0	18.0	18.0
		Min.		kW	5.0	5.0	5.7	5.7
	Total Input	Rated		kW	3.80	3.80	4.57	4.57
	COP				3.68	3.68	3.50	3.50
	Annual Electricity Consumption			kWh/a	-	-	-	-
	SCOP				-	-	-	-
		Energy efficiency class			-	-	-	-
Operating Current(max)				A	27.3	10.3	28.9	13.9
Indoor Unit	Input	Rated		kW	0.110	0.110	0.140	0.140
	Operating Current(max)			A	0.76	0.76	0.90	0.90
	Dimensions		Height	mm	230	230	230	230
			Width	mm	1600	1600	1600	1600
			Depth	mm	680	680	680	680
	Weight			kg	38	38	40	40
	Air Volume		Low	m³/min.	23.0	23.0	24.0	24.0
			Mid2	m³/min.	25.0	25.0	26.0	26.0
			Mid	m³/min.	27.0	27.0	29.0	29.0
			Hi	m³/min.	29.0	29.0	32.0	32.0
	External Static Pressure			Pa	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	39	39	41	41
			Mid2	dB(A)	41	41	43	43
			Mid	dB(A)	43	43	45	45
			Hi	dB(A)	45	45	48	48
	Sound Level (PWL)	Cooling			65	65	68	68
Outdoor Unit	Dimensions		Height	mm	1338	1338	1338	1338
			Width	mm	1050	1050	1050	1050
			Depth	mm	330 (+40)	330 (+40)	330 (+40)	330 (+40)
	Weight			kg	116	125	118	131
	Air Volume	Cooling	Rated	m³/min.	120.0	120.0	120.0	120.0
		Heating	Rated	m³/min.	120.0	120.0	120.0	120.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	50	50	50	50
			Silent	dB(A)	47	47	47	47
		Heating	Rated	dB(A)	52	52	52	52
	Sound Level (PWL)	Cooling			70	70	70	70
	Operating Current(max)			A	26.5	9.5	28.0	13.0
	Breaker Size			A	32	16	40	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88	15.88
	Max. Length	Out-In		m	75	75	75	75
	Max. Height	Out-In	Below Indoor	m	30	30	30	30
			Above Indoor	m	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21
			Lower Limit.	°C	-20	-20	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

2. Standard Inverter SERIES

Model Name	Indoor Unit				PCA-M35KA	PCA-M50KA	PCA-M60KA	PCA-M71KA
	Outdoor Unit				SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60KA6	SUZ-KA71VA6
Power Supply				Source	Outdoor power supply			
	Out			V	230	230	230	230
				Phase	Single	Single	Single	Single
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	3.6	5.0	5.7	7.1
		Max.		kW	3.9	5.6	6.3	8.1
		Min.		kW	1.4	2.3	2.3	2.8
	SHF	Rated			0.88	0.79	0.81	0.76
	Total Input	Rated		kW	1.050	1.550	1.720	2.060
	EER				3.43	3.23	3.31	3.45
	Annual Electricity Consumption			kWh/a	209	296	325	409
	SEER				6.0	5.8	6.1	6.0
		Energy efficiency class			A+	A+	A++	A+
Heating	Capacity	Rated		kW	4.1	5.5	6.9	7.9
		Max.		kW	5.0	6.6	8.0	10.2
		Min.		kW	1.7	1.7	2.5	2.6
	Total Input	Rated		kW	1.050	1.520	1.910	2.180
	COP				3.90	3.62	3.61	3.62
	Annual Electricity Consumption			kWh/a	887	1398	1678	2028
	SCOP				4.1	4.0	4.0	4.3
		Energy efficiency class			A+	A+	A+	A+
Operating Current(max)				A	8.5	12.4	14.4	16.5
Indoor Unit	Input	Rated		kW	0.040	0.050	0.060	0.060
	Operating Current(max)			A	0.29	0.37	0.39	0.42
	Dimensions		Height	mm	230	230	230	230
			Width	mm	960	960	1280	1280
			Depth	mm	680	680	680	680
	Weight			kg	25	26	32	32
	Air Volume		Low	m^3/min.	10.0	10.0	15.0	16.0
			Mid2	m^3/min.	11.0	11.0	16.0	17.0
			Mid	m^3/min.	12.0	13.0	17.0	18.0
			Hi	m^3/min.	14.0	15.0	19.0	20.0
	External Static Pressure			Pa	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	31	32	33	35
			Mid2	dB(A)	33	34	35	37
			Mid	dB(A)	36	37	37	39
			Hi	dB(A)	39	40	40	41
	Sound Level (PWL)	Cooling			60	60	60	62
Outdoor Unit	Dimensions		Height	mm	550	880	880	880
			Width	mm	800	840	840	840
			Depth	mm	285	330	330	330
	Weight			kg	35	54	50	53
	Air Volume	Cooling	Rated	m^3/min.	36.3	44.6	40.9	50.1
		Heating	Rated	m^3/min.	34.8	44.6	49.2	48.2
	Sound Level (SPL)	Cooling	Rated	dB(A)	49	52	55	55
			Silent	dB(A)	-	-	-	-
		Heating	Rated	dB(A)	50	52	55	55
	Sound Level (PWL)	Cooling			62	65	65	69
	Operating Current(max)			A	8.2	12.0	14.0	16.1
	Breaker Size			A	10	20	20	20
Ext. Piping	Diameter	Liquid		mm	6.35	6.35	6.35	9.52
		Gas		mm	9.52	12.7	15.88	15.88
	Max. Length	Out-In		m	20	30	30	30
	Max. Height	Out-In	Below Indoor	m	12	30	30	30
			Above Indoor	m	12	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-10	-15	-15	-15
		Heating	Upper Limit.	°C	24	24	24	24
			Lower Limit.	°C	-10	-10	-10	-10

Model Name	Indoor Unit				PCA-M100KA	PCA-M125KA	PCA-M140KA	PCA-M100KA	PCA-M125KA	PCA-M140KA
	Outdoor Unit				PUHZ-P100VKA	PUHZ-P125VKA	PUHZ-P140VKA	PUHZ-P100YKA	PUHZ-P125YKA	PUHZ-P140YKA
Power Supply				Source	Outdoor power supply			Outdoor power supply		
	Out			V	230	230	230	400	400	400
				Phase	Single	Single	Single	3	3	3
				Hz	50	50	50	50	50	50
	In			V	-	-	-	-	-	-
				Phase	-	-	-	-	-	-
				Hz	-	-	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	9.4	12.1	13.6	9.4	12.1	13.6
		Max.		kW	10.6	13.0	14.1	10.6	13.0	14.1
		Min.		kW	3.7	5.6	5.8	3.7	5.6	5.8
	SHF	Rated			0.77	0.72	0.72	0.77	0.72	0.71
	Total Input	Rated		kW	3.05	4.24	5.62	3.37	4.24	5.62
	EER				3.08	2.85	2.41	3.08	2.85	2.41
	Annual Electricity Consumption			kWh/a	586	-	-	586	-	-
	SEER				5.6	-	-	5.6	-	-
		Energy efficiency class			A+	-	-	A+	-	-
Heating	Capacity	Rated		kW	11.2	13.5	15.0	11.2	13.5	15.0
		Max.		kW	12.5	15.0	15.8	12.5	15.0	15.8
		Min.		kW	2.8	4.8	4.9	2.8	4.8	4.9
	Total Input	Rated		kW	3.37	4.06	4.47	3.37	4.06	4.47
	COP				3.32	3.32	3.35	3.32	3.32	3.35
	Annual Electricity Consumption			kWh/a	2726	-	-	2726	-	-
	SCOP				4.1	-	-	4.1	-	-
		Energy efficiency class			A+	-	-	A+	-	-
Operating Current(max)				A	20.7	27.3	30.9	12.2	12.3	12.4
Indoor Unit	Input	Rated		kW	0.090	0.110	0.140	0.090	0.110	0.140
	Operating Current(max)			A	0.65	0.76	0.90	0.65	0.76	0.90
	Dimensions		Height	mm	230	230	230	230	230	230
			Width	mm	1600	1600	1600	1600	1600	1600
			Depth	mm	680	680	680	680	680	680
	Weight			kg	37	38	40	37	38	40
	Air Volume		Low	m³/min.	22.0	23.0	24.0	22.0	23.0	24.0
			Mid2	m³/min.	24.0	25.0	26.0	24.0	25.0	26.0
			Mid	m³/min.	26.0	27.0	29.0	26.0	27.0	29.0
			Hi	m³/min.	28.0	29.0	32.0	28.0	29.0	32.0
	External Static Pressure			Pa	-	-	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	37	39	41	37	39	41
			Mid2	dB(A)	39	41	43	39	41	43
			Mid	dB(A)	41	43	45	41	43	45
			Hi	dB(A)	43	45	48	43	45	48
	Sound Level (PWL)	Cooling			63	65	68	63	65	68
Outdoor Unit	Dimensions		Height	mm	981	981	981	981	981	981
			Width	mm	1050	1050	1050	1050	1050	1050
			Depth	mm	330 (+40)	330 (+40)	330 (+40)	330 (+40)	330 (+40)	330 (+40)
	Weight			kg	76	84	84	78	85	85
	Air Volume	Cooling	Rated	m³/min.	79	86	86	79	86	86
		Heating	Rated	m³/min.	79	92	92	79	92	92
	Sound Level (SPL)	Cooling	Rated	dB(A)	51	54	56	51	54	56
			Silent	dB(A)	49	52	54	49	52	54
		Heating	Rated	dB(A)	54	56	57	54	56	57
	Sound Level (PWL)	Cooling			70	72	75	70	72	75
	Operating Current(max)			A	20	26.5	30	11.5	11.5	11.5
	Breaker Size			A	32	32	40	16	16	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88	15.88	15.88	15.88
	Max. Length	Out-In		m	50	50	50	50	50	50
	Max. Height	Out-In	Below Indoor	m	30	30	30	30	30	30
			Above Indoor	m	30	30	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21	21	21
			Lower Limit.	°C	-15	-15	-15	-15	-15	-15

* Optional air protection guide is required where ambient temperature is lower than -5°C.

3. Mr.Slim+

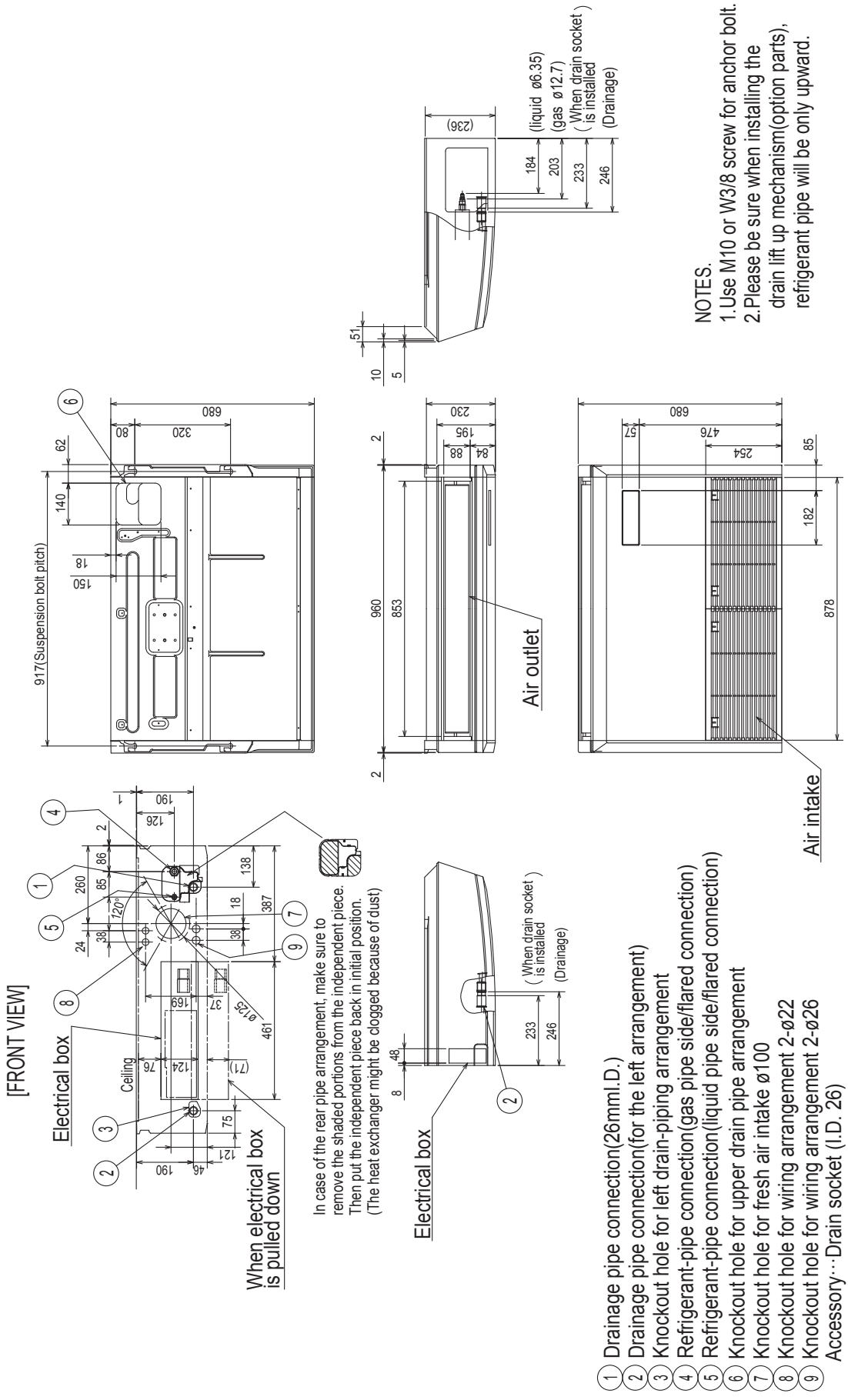
Model Name	Indoor Unit				PCA-M71KA
	Outdoor Unit				PUHZ-FRP71VHA2
Power Supply				Source	Outdoor power supply
	Out			V	230
				Phase	Single
				Hz	50
	In			V	-
				Phase	-
				Hz	-
Refrigerant					R410A
Cooling	Capacity	Rated		kW	7.1
		Max.		kW	8.1
		Min.		kW	3.3
	SHF	Rated			0.76
	Total Input	Rated		kW	1.93
	EER				3.67
	Annual Electricity Consumption			kWh/a	384
	SEER				6.4
		Energy efficiency class			A++
Heating	Capacity	Rated		kW	8.0
		Max.		kW	10.2
		Min.		kW	3.5
	Total Input	Rated		kW	2.28
	COP				3.50
	Annual Electricity Consumption			kWh/a	1556
	SCOP				4.2
		Energy efficiency class			A+
Operating Current(max)				A	16.5
Indoor Unit	Input	Rated		kW	0.060
	Operating Current(max)			A	0.42
	Dimensions		Height	mm	230
			Width	mm	1280
			Depth	mm	680
	Weight			kg	32
	Air Volume		Low	m³/min.	16.0
			Mid2	m³/min.	17.0
			Mid	m³/min.	18.0
			Hi	m³/min.	20.0
	External Static Pressure			Pa	-
	Sound Level (SPL)		Low	dB(A)	35
			Mid2	dB(A)	37
			Mid	dB(A)	39
			Hi	dB(A)	41
	Sound Level (PWL)	Cooling			62
Outdoor Unit	Dimensions		Height	mm	943
			Width	mm	950
			Depth	mm	330 (+30)
	Weight			kg	73
	Air Volume	Cooling	Rated	m³/min.	50
		Heating	Rated	m³/min.	50
	Sound Level (SPL)	Cooling	Rated	dB(A)	47
			Silent	dB(A)	-
		Heating	Rated	dB(A)	49
	Sound Level (PWL)	Cooling			67
	Operating Current(max)			A	19.0
	Breaker Size			A	25
Ext. Piping	Diameter	Liquid		mm	9.52
		Gas		mm	15.88
	Max. Length	Out-In		m	60
	Max. Height	Out-In	Below Indoor	m	20
			Above Indoor	m	20
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46
			Lower Limit.	°C	-15*
		Heating	Upper Limit.	°C	21
			Lower Limit.	°C	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

A.3.2 OUTLINES AND DIMENSIONS

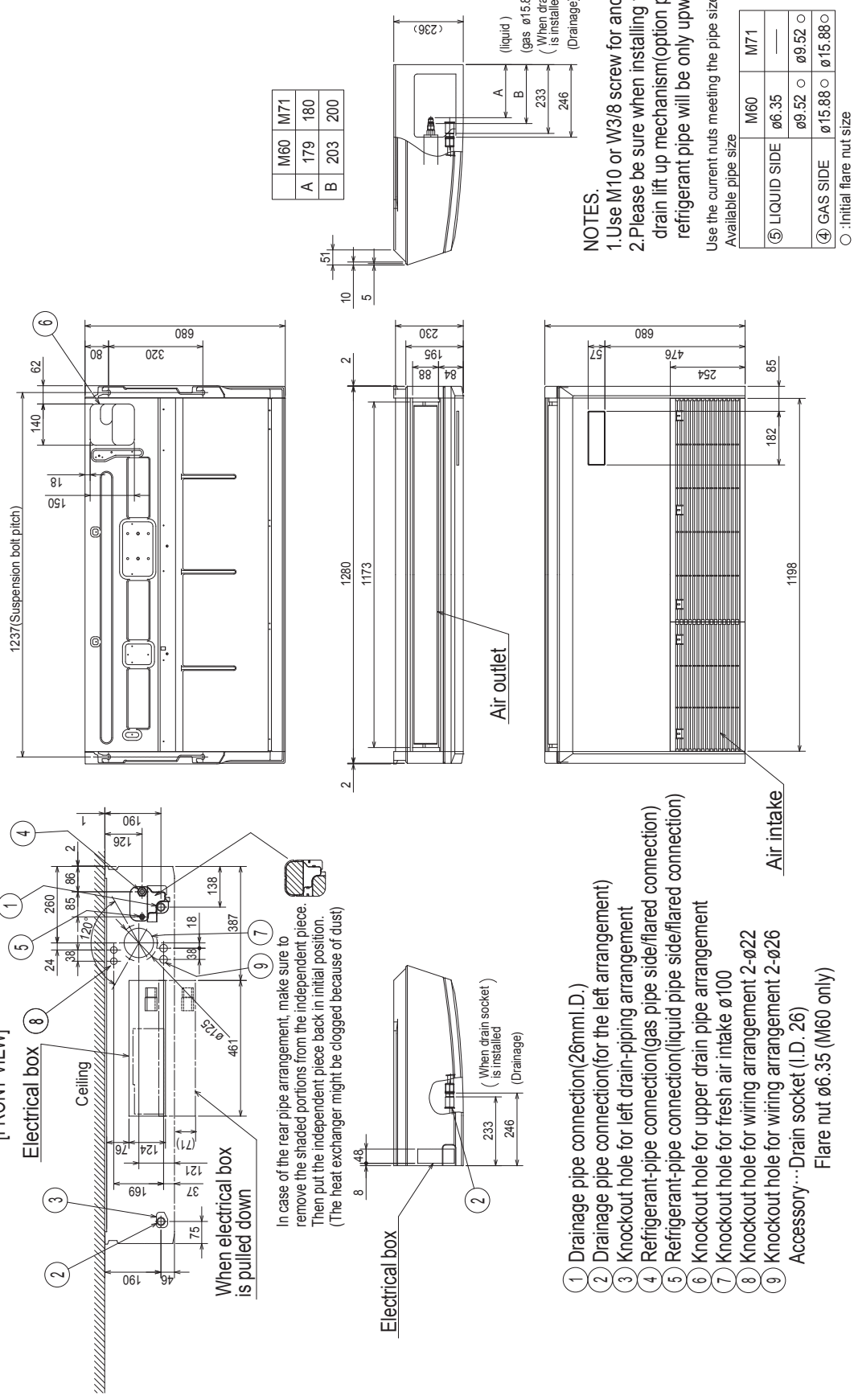
PCA-M35KA
PCA-M50KA

Unit : mm



PCA-M60KA
PCA-M71KA

Unit : mm

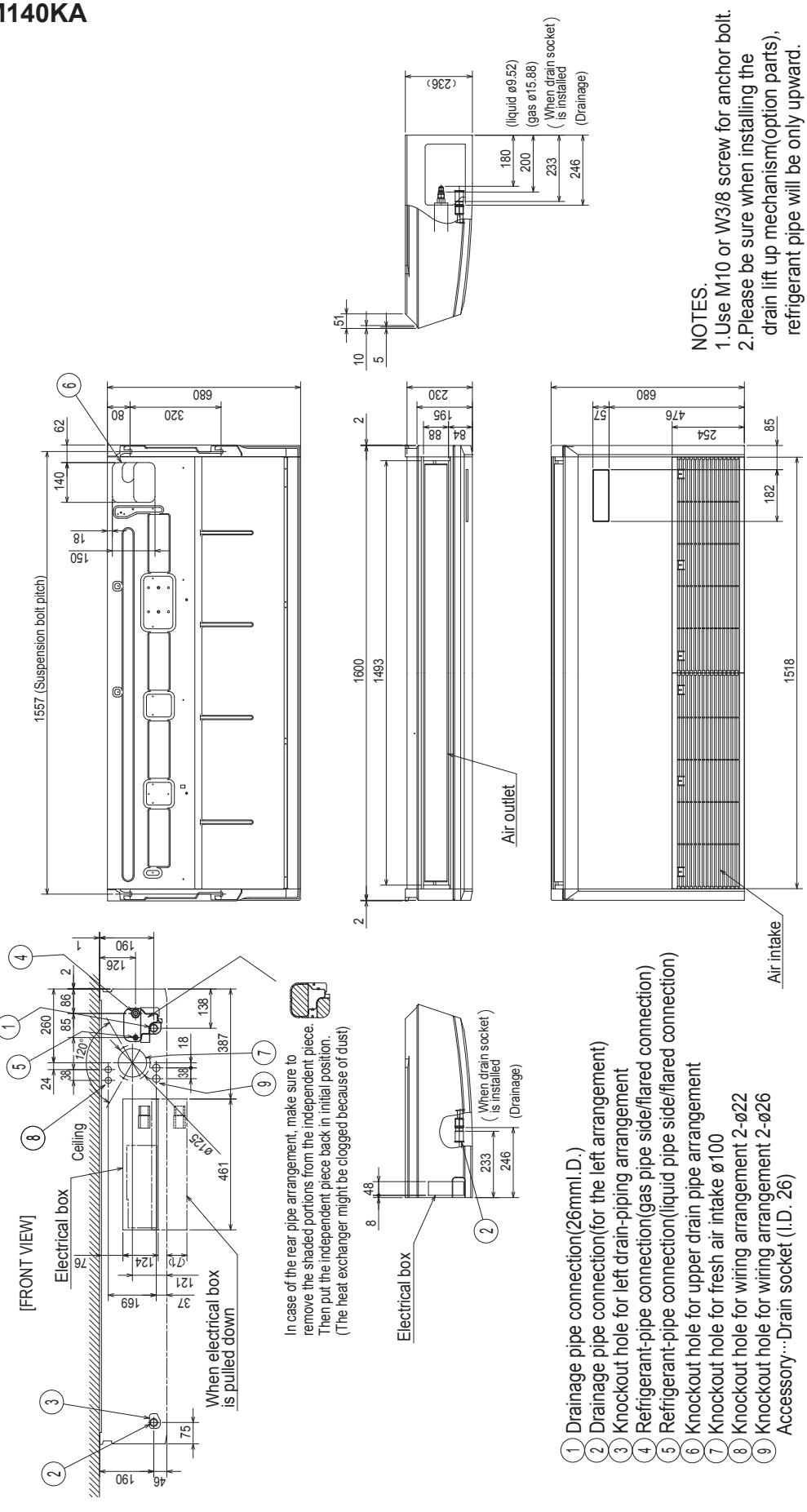


	M60	M71
A	179	180
B	203	200

	M60	M71
⑤ LIQUID SIDE	ø6.35	——
	ø9.52 ○	ø9.52 ○
④ GAS SIDE	ø15.88○	ø15.88○

PCA-M100KA
PCA-M125KA
PCA-M140KA

Unit : mm



A.3.3 WIRING DIAGRAM

PCA-M35KA PCA-M100KA
PCA-M50KA PCA-M125KA
PCA-M60KA PCA-M140KA
PCA-M71KA

【LEGEND】

SYMBOL	NAME	SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN2L	CONNECTOR (LOSSNAY)	TB5,TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
CN32	CONNECTOR (REMOTE SWITCH)		
CN41	CONNECTOR (HA TERMINAL-A)	TH1	ROOM TEMP. THERMISTOR (0℃ / 15kΩ, 25℃ / 5. 4kΩ DETECT)
CN51	CONNECTOR (CENTRALLY CONTROL)		
FUSE	FUSE (T6.3AL250V)	TH2	PIPE TEMP. THERMISTOR/LIQUID (0℃ / 15kΩ, 25℃ / 5. 4kΩ DETECT)
LED1	POWER SUPPLY (I.B)		
LED2	POWER SUPPLY (R.B)	TH5	COND. / EVA. TEMP. THERMISTOR (0℃ / 15kΩ, 25℃ / 5. 4kΩ DETECT)
LED3	TRANSMISSION (INDOOR-OUTDOOR)		
SW1	SWITCH (MODEL SELECTION) Refer to 〈Table 1〉	OPTION PARTS	
SW2	SWITCH (CAPACITY CODE) Refer to 〈Table 2〉	W.B	PCB FOR WIRELESS REMOTE CONTROLLER
SWE	CONNECTOR (EMERGENCY OPERATION)	BZ	BUZZER
X1	RELAY (DRAIN PUMP)	LED1	LED (OPERATION INDICATION : GREEN)
R.B	WIRED REMOTE CONTROLLER BOARD	LED2	LED (PREPARATION FOR HEATING : ORANGE)
DCL	REACTOR	RU	RECEIVING UNIT
MF	FAN MOTOR	SW1	EMERGENCY OPERATION (HEAT)
MV	VANE MOTOR	SW2	EMERGENCY OPERATION (COOL)
TB2	TERMINAL BLOCK (Indoor unit Power (option parts))	DP	DRAIN PUMP
		FS	DRAIN FLOAT SWITCH

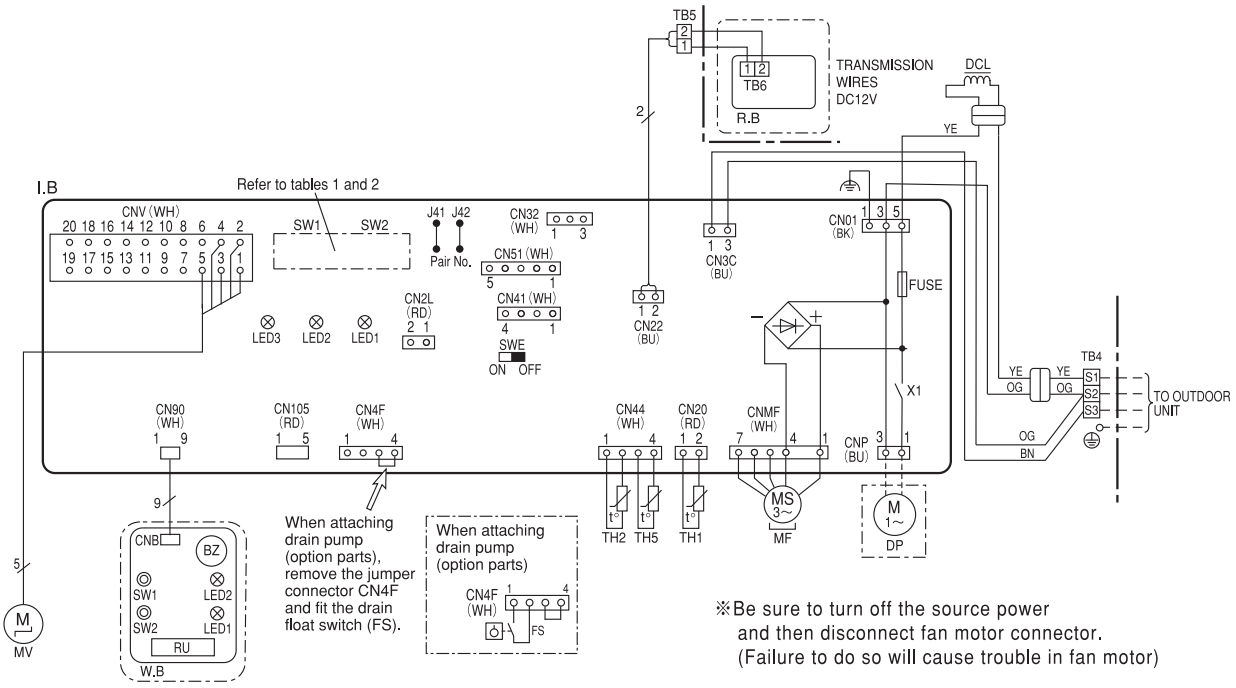
The black square (■) indicates a switch position.

〈Table 1〉
SW1 (MODEL SELECTION)

Service
1 2 3 4 5 ON OFF

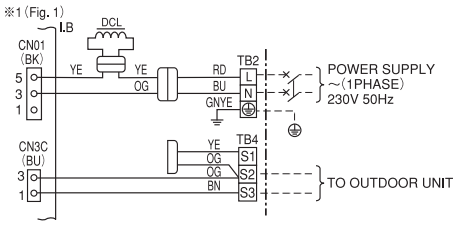
〈Table 2〉 SW2 (CAPACITY CODE)

CAPACITY	Service	CAPACITY	Service	CAPACITY	Service
35	1 2 3 4 5 ON OFF	71	1 2 3 4 5 ON OFF	140	1 2 3 4 5 ON OFF
50	1 2 3 4 5 ON OFF	100	1 2 3 4 5 ON OFF		
60	1 2 3 4 5 ON OFF	125	1 2 3 4 5 ON OFF		



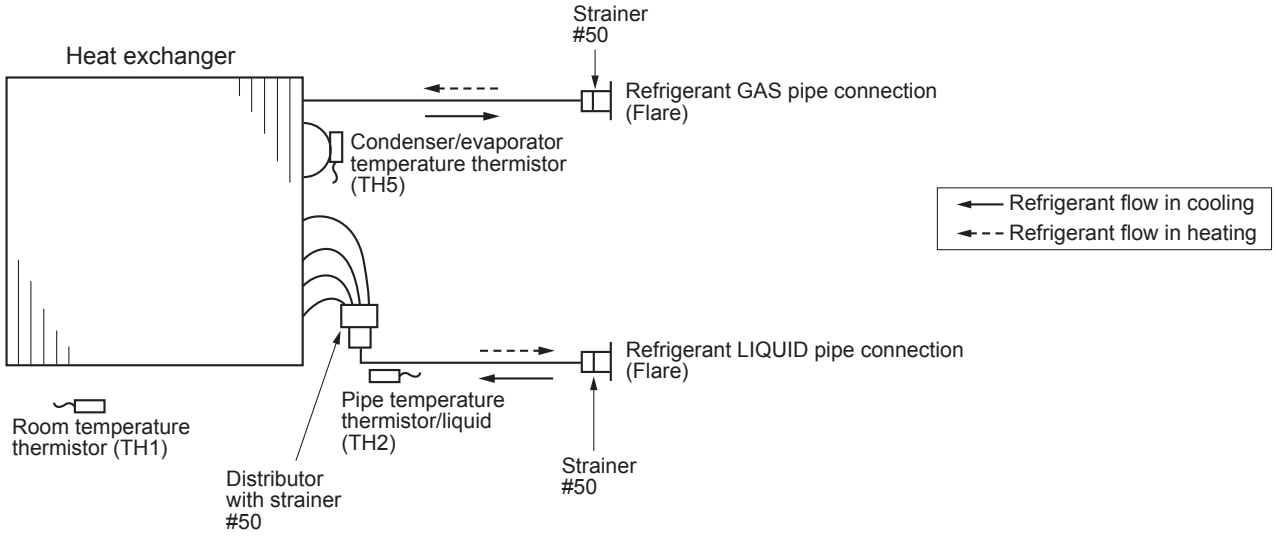
※Be sure to turn off the source power and then disconnect fan motor connector. (Failure to do so will cause trouble in fan motor)

Notes: 1. Symbols used in wiring diagram above are, ▭: Connector, ▭▭▭: Terminal (block).
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3. Since the outdoor side electric wiring may change, be sure to check the outdoor unit electric wiring for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires. (specification of 230V), adopting superimposed system of power and signal.
※1: When work to Supply power separately to indoor and outdoor units was applied, refer to Fig 1.
※2: For power supply system of this unit, refer to the caution label located near this diagram.



A.3.4 REFRIGERANT SYSTEM DIAGRAM

PCA-M35KA **PCA-M100KA**
PCA-M50KA **PCA-M125KA**
PCA-M60KA **PCA-M140KA**
PCA-M71KA



A.3.5 PERFORMANCE DATA

A.3.5.1 R32 type

COOLING CAPACITY
PCA-M35KA / PUZ-ZM35VKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		20				25				30			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	3,564	2,780	0.78	0.663	3,456	2,696	0.78	0.701	3,348	2,611	0.78	0.742
20	18	3,816	2,519	0.66	0.676	3,708	2,447	0.66	0.713	3,582	2,364	0.66	0.763
20	20	4,104	2,216	0.54	0.696	4,014	2,168	0.54	0.730	3,906	2,109	0.54	0.779
22	16	3,564	3,065	0.86	0.663	3,456	2,972	0.86	0.701	3,348	2,879	0.86	0.742
22	18	3,816	2,824	0.74	0.676	3,708	2,744	0.74	0.713	3,582	2,651	0.74	0.763
22	20	4,104	2,544	0.62	0.696	4,014	2,489	0.62	0.730	3,906	2,422	0.62	0.779
24	16	3,564	3,350	0.94	0.663	3,456	3,249	0.94	0.701	3,348	3,147	0.94	0.742
24	18	3,816	3,129	0.82	0.676	3,708	3,041	0.82	0.713	3,582	2,937	0.82	0.763
24	20	4,104	2,873	0.70	0.696	4,014	2,810	0.70	0.730	3,906	2,734	0.70	0.779
24	22	4,374	2,537	0.58	0.713	4,284	2,485	0.58	0.754	4,176	2,422	0.58	0.804
26	16	3,564	3,564	1.00	0.663	3,456	3,456	1.00	0.701	3,348	3,348	1.00	0.742
26	18	3,816	3,434	0.90	0.676	3,708	3,337	0.90	0.713	3,582	3,224	0.90	0.763
26	20	4,104	3,201	0.78	0.696	4,014	3,131	0.78	0.730	3,906	3,047	0.78	0.779
26	22	4,374	2,887	0.66	0.713	4,284	2,827	0.66	0.754	4,176	2,756	0.66	0.804
27	16	3,564	3,564	1.00	0.663	3,456	3,456	1.00	0.701	3,348	3,348	1.00	0.742
27	18	3,816	3,587	0.94	0.676	3,708	3,486	0.94	0.713	3,582	3,367	0.94	0.763
27	20	4,104	3,365	0.82	0.696	4,014	3,291	0.82	0.730	3,906	3,203	0.82	0.779
27	22	4,374	3,062	0.70	0.713	4,284	2,999	0.70	0.754	4,176	2,923	0.70	0.804
28	16	3,564	3,564	1.00	0.663	3,456	3,456	1.00	0.701	3,348	3,348	1.00	0.742
28	18	3,816	3,740	0.98	0.676	3,708	3,634	0.98	0.713	3,582	3,510	0.98	0.763
28	20	4,104	3,529	0.86	0.696	4,014	3,452	0.86	0.730	3,906	3,359	0.86	0.779
28	22	4,374	3,237	0.74	0.713	4,284	3,170	0.74	0.754	4,176	3,090	0.74	0.804
30	16	3,564	3,564	1.00	0.663	3,456	3,456	1.00	0.701	3,348	3,348	1.00	0.742
30	18	3,816	3,816	1.00	0.676	3,708	3,708	1.00	0.713	3,582	3,582	1.00	0.763
30	20	4,104	3,858	0.94	0.696	4,014	3,773	0.94	0.730	3,906	3,672	0.94	0.779
30	22	4,374	3,587	0.82	0.713	4,284	3,513	0.82	0.754	4,176	3,424	0.82	0.804
32	16	3,564	3,564	1.00	0.663	3,456	3,456	1.00	0.701	3,348	3,348	1.00	0.742
32	18	3,816	3,816	1.00	0.676	3,708	3,708	1.00	0.713	3,582	3,582	1.00	0.763
32	20	4,104	4,104	1.00	0.696	4,014	4,014	1.00	0.730	3,906	3,906	1.00	0.779
32	22	4,374	3,937	0.90	0.713	4,284	3,856	0.90	0.754	4,176	3,758	0.90	0.804
34	16	3,564	3,564	1.00	0.663	3,456	3,456	1.00	0.701	3,348	3,348	1.00	0.742
34	18	3,816	3,816	1.00	0.676	3,708	3,708	1.00	0.713	3,582	3,582	1.00	0.763
34	20	4,104	4,104	1.00	0.696	4,014	4,014	1.00	0.730	3,906	3,906	1.00	0.779
34	22	4,374	4,287	0.98	0.713	4,284	4,198	0.98	0.754	4,176	4,092	0.98	0.804

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				45			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	3,204	2,499	0.78	0.796	3,060	2,387	0.78	0.854	2,916	2,274	0.78	0.924
20	18	3,456	2,281	0.66	0.817	3,348	2,210	0.66	0.879	3,132	2,067	0.66	0.945
20	20	3,744	2,022	0.54	0.837	3,600	1,944	0.54	0.895	3,384	1,827	0.54	0.962
22	16	3,204	2,755	0.86	0.796	3,060	2,632	0.86	0.854	2,916	2,508	0.86	0.924
22	18	3,456	2,557	0.74	0.817	3,348	2,478	0.74	0.879	3,132	2,318	0.74	0.945
22	20	3,744	2,321	0.62	0.837	3,600	2,232	0.62	0.895	3,384	2,098	0.62	0.962
24	16	3,204	3,012	0.94	0.796	3,060	2,876	0.94	0.854	2,916	2,741	0.94	0.924
24	18	3,456	2,834	0.82	0.817	3,348	2,745	0.82	0.879	3,132	2,568	0.82	0.945
24	20	3,744	2,621	0.70	0.837	3,600	2,520	0.70	0.895	3,384	2,369	0.70	0.962
24	22	4,032	2,339	0.58	0.854	3,888	2,255	0.58	0.920	3,672	2,130	0.58	0.978
26	16	3,204	3,204	1.00	0.796	3,060	3,060	1.00	0.854	2,916	2,916	1.00	0.924
26	18	3,456	3,110	0.90	0.817	3,348	3,013	0.90	0.879	3,132	2,819	0.90	0.945
26	20	3,744	2,920	0.78	0.837	3,600	2,808	0.78	0.895	3,384	2,640	0.78	0.962
26	22	4,032	2,661	0.66	0.854	3,888	2,566	0.66	0.920	3,672	2,424	0.66	0.978
27	16	3,204	3,204	1.00	0.796	3,060	3,060	1.00	0.854	2,916	2,916	1.00	0.924
27	18	3,456	3,249	0.94	0.817	3,348	3,147	0.94	0.879	3,132	2,944	0.94	0.945
27	20	3,744	3,070	0.82	0.837	3,600	2,952	0.82	0.895	3,384	2,775	0.82	0.962
27	22	4,032	2,822	0.70	0.854	3,888	2,722	0.70	0.920	3,672	2,570	0.70	0.978
28	16	3,204	3,204	1.00	0.796	3,060	3,060	1.00	0.854	2,916	2,916	1.00	0.924
28	18	3,456	3,387	0.98	0.817	3,348	3,281	0.98	0.879	3,132	3,069	0.98	0.945
28	20	3,744	3,220	0.86	0.837	3,600	3,096	0.86	0.895	3,384	2,910	0.86	0.962
28	22	4,032	2,984	0.74	0.854	3,888	2,877	0.74	0.920	3,672	2,717	0.74	0.978
30	16	3,204	3,204	1.00	0.796	3,060	3,060	1.00	0.854	2,916	2,916	1.00	0.924
30	18	3,456	3,456	1.00	0.817	3,348	3,348	1.00	0.879	3,132	3,132	1.00	0.945
30	20	3,744	3,519	0.94	0.837	3,600	3,384	0.94	0.895	3,384	3,181	0.94	0.962
30	22	4,032	3,306	0.82	0.854	3,888	3,188	0.82	0.920	3,672	3,011	0.82	0.978
32	16	3,204	3,204	1.00	0.796	3,060	3,060	1.00	0.854	2,916	2,916	1.00	0.924
32	18	3,456	3,456	1.00	0.817	3,348	3,348	1.00	0.879	3,132	3,132	1.00	0.945
32	20	3,744	3,744	1.00	0.837	3,600	3,600	1.00	0.895	3,384	3,384	1.00	0.962
32	22	4,032	3,629	0.90	0.854	3,888	3,499	0.90	0.920	3,672	3,305	0.90	0.978
34	16	3,204	3,204	1.00	0.796	3,060	3,060	1.00	0.854	2,916	2,916	1.00	0.924
34	18	3,456	3,456	1.00	0.817	3,348	3,348	1.00	0.879	3,132	3,132	1.00	0.945
34	20	3,744	3,744	1.00	0.837	3,600	3,600	1.00	0.895	3,384	3,384	1.00	0.962
34	22	4,032	3,951	0.98	0.854	3,888	3,810	0.98	0.920	3,672	3,599	0.98	0.978

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M50KA / PUZ-ZM50VKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	4,950	3,416	0.69	1.000	4,800	3,312	0.69	1.056	4,650	3,209	0.69	1.119
20	18	5,300	3,021	0.57	1.019	5,150	2,936	0.57	1.075	4,975	2,836	0.57	1.150
20	20	5,700	2,565	0.45	1.050	5,575	2,509	0.45	1.100	5,425	2,441	0.45	1.175
22	16	4,950	3,812	0.77	1.000	4,800	3,696	0.77	1.056	4,650	3,581	0.77	1.119
22	18	5,300	3,445	0.65	1.019	5,150	3,348	0.65	1.075	4,975	3,234	0.65	1.150
22	20	5,700	3,021	0.53	1.050	5,575	2,955	0.53	1.100	5,425	2,875	0.53	1.175
24	16	4,950	4,208	0.85	1.000	4,800	4,080	0.85	1.056	4,650	3,953	0.85	1.119
24	18	5,300	3,869	0.73	1.019	5,150	3,760	0.73	1.075	4,975	3,632	0.73	1.150
24	20	5,700	3,477	0.61	1.050	5,575	3,401	0.61	1.100	5,425	3,309	0.61	1.175
24	22	6,075	2,977	0.49	1.075	5,950	2,916	0.49	1.138	5,800	2,842	0.49	1.213
26	16	4,950	4,604	0.93	1.000	4,800	4,464	0.93	1.056	4,650	4,325	0.93	1.119
26	18	5,300	4,293	0.81	1.019	5,150	4,172	0.81	1.075	4,975	4,030	0.81	1.150
26	20	5,700	3,933	0.69	1.050	5,575	3,847	0.69	1.100	5,425	3,743	0.69	1.175
26	22	6,075	3,463	0.57	1.075	5,950	3,392	0.57	1.138	5,800	3,306	0.57	1.213
27	16	4,950	4,802	0.97	1.000	4,800	4,656	0.97	1.056	4,650	4,511	0.97	1.119
27	18	5,300	4,505	0.85	1.019	5,150	4,378	0.85	1.075	4,975	4,229	0.85	1.150
27	20	5,700	4,161	0.73	1.050	5,575	4,070	0.73	1.100	5,425	3,960	0.73	1.175
27	22	6,075	3,706	0.61	1.075	5,950	3,630	0.61	1.138	5,800	3,538	0.61	1.213
28	16	4,950	4,950	1.00	1.000	4,800	4,800	1.00	1.056	4,650	4,650	1.00	1.119
28	18	5,300	4,717	0.89	1.019	5,150	4,584	0.89	1.075	4,975	4,428	0.89	1.150
28	20	5,700	4,389	0.77	1.050	5,575	4,293	0.77	1.100	5,425	4,177	0.77	1.175
28	22	6,075	3,949	0.65	1.075	5,950	3,868	0.65	1.138	5,800	3,770	0.65	1.213
30	16	4,950	4,950	1.00	1.000	4,800	4,800	1.00	1.056	4,650	4,650	1.00	1.119
30	18	5,300	5,141	0.97	1.019	5,150	4,996	0.97	1.075	4,975	4,826	0.97	1.150
30	20	5,700	4,845	0.85	1.050	5,575	4,739	0.85	1.100	5,425	4,611	0.85	1.175
30	22	6,075	4,435	0.73	1.075	5,950	4,344	0.73	1.138	5,800	4,234	0.73	1.213
32	16	4,950	4,950	1.00	1.000	4,800	4,800	1.00	1.056	4,650	4,650	1.00	1.119
32	18	5,300	5,300	1.00	1.019	5,150	5,150	1.00	1.075	4,975	4,975	1.00	1.150
32	20	5,700	5,301	0.93	1.050	5,575	5,185	0.93	1.100	5,425	5,045	0.93	1.175
32	22	6,075	4,921	0.81	1.075	5,950	4,820	0.81	1.138	5,800	4,698	0.81	1.213
34	16	4,950	4,950	1.00	1.000	4,800	4,800	1.00	1.056	4,650	4,650	1.00	1.119
34	18	5,300	5,300	1.00	1.019	5,150	5,150	1.00	1.075	4,975	4,975	1.00	1.150
34	20	5,700	5,700	1.00	1.050	5,575	5,575	1.00	1.100	5,425	5,425	1.00	1.175
34	22	6,075	5,407	0.89	1.075	5,950	5,296	0.89	1.138	5,800	5,162	0.89	1.213

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	4,450	3,071	0.69	1.200	4,250	2,933	0.69	1.288	4,050	2,795	0.69	1.394
20	18	4,800	2,736	0.57	1.231	4,650	2,651	0.57	1.325	4,350	2,480	0.57	1.425
20	20	5,200	2,340	0.45	1.263	5,000	2,250	0.45	1.350	4,700	2,115	0.45	1.450
22	16	4,450	3,427	0.77	1.200	4,250	3,273	0.77	1.288	4,050	3,119	0.77	1.394
22	18	4,800	3,120	0.65	1.231	4,650	3,023	0.65	1.325	4,350	2,828	0.65	1.425
22	20	5,200	2,756	0.53	1.263	5,000	2,650	0.53	1.350	4,700	2,491	0.53	1.450
24	16	4,450	3,783	0.85	1.200	4,250	3,613	0.85	1.288	4,050	3,443	0.85	1.394
24	18	4,800	3,504	0.73	1.231	4,650	3,395	0.73	1.325	4,350	3,176	0.73	1.425
24	20	5,200	3,172	0.61	1.263	5,000	3,050	0.61	1.350	4,700	2,867	0.61	1.450
24	22	5,600	2,744	0.49	1.288	5,400	2,646	0.49	1.388	5,100	2,499	0.49	1.475
26	16	4,450	4,139	0.93	1.200	4,250	3,953	0.93	1.288	4,050	3,767	0.93	1.394
26	18	4,800	3,888	0.81	1.231	4,650	3,767	0.81	1.325	4,350	3,524	0.81	1.425
26	20	5,200	3,588	0.69	1.263	5,000	3,450	0.69	1.350	4,700	3,243	0.69	1.450
26	22	5,600	3,192	0.57	1.288	5,400	3,078	0.57	1.388	5,100	2,907	0.57	1.475
27	16	4,450	4,317	0.97	1.200	4,250	4,123	0.97	1.288	4,050	3,929	0.97	1.394
27	18	4,800	4,080	0.85	1.231	4,650	3,953	0.85	1.325	4,350	3,698	0.85	1.425
27	20	5,200	3,796	0.73	1.263	5,000	3,650	0.73	1.350	4,700	3,431	0.73	1.450
27	22	5,600	3,416	0.61	1.288	5,400	3,294	0.61	1.388	5,100	3,111	0.61	1.475
28	16	4,450	4,450	1.00	1.200	4,250	4,250	1.00	1.288	4,050	4,050	1.00	1.394
28	18	4,800	4,272	0.89	1.231	4,650	4,139	0.89	1.325	4,350	3,872	0.89	1.425
28	20	5,200	4,004	0.77	1.263	5,000	3,850	0.77	1.350	4,700	3,619	0.77	1.450
28	22	5,600	3,640	0.65	1.288	5,400	3,510	0.65	1.388	5,100	3,315	0.65	1.475
30	16	4,450	4,450	1.00	1.200	4,250	4,250	1.00	1.288	4,050	4,050	1.00	1.394
30	18	4,800	4,656	0.97	1.231	4,650	4,511	0.97	1.325	4,350	4,220	0.97	1.425
30	20	5,200	4,420	0.85	1.263	5,000	4,250	0.85	1.350	4,700	3,995	0.85	1.450
30	22	5,600	4,088	0.73	1.288	5,400	3,942	0.73	1.388	5,100	3,723	0.73	1.475
32	16	4,450	4,450	1.00	1.200	4,250	4,250	1.00	1.288	4,050	4,050	1.00	1.394
32	18	4,800	4,800	1.00	1.231	4,650	4,650	1.00	1.325	4,350	4,350	1.00	1.425
32	20	5,200	4,836	0.93	1.263	5,000	4,650	0.93	1.350	4,700	4,371	0.93	1.450
32	22	5,600	4,536	0.81	1.288	5,400	4,374	0.81	1.388	5,100	4,131	0.81	1.475
34	16	4,450	4,450	1.00	1.200	4,250	4,250	1.00	1.288	4,050	4,050	1.00	1.394
34	18	4,800	4,800	1.00	1.231	4,650	4,650	1.00	1.325	4,350	4,350	1.00	1.425
34	20	5,200	5,200	1.00	1.263	5,000	5,000	1.00	1.350	4,700	4,700	1.00	1.450
34	22	5,600	4,984	0.89	1.288	5,400	4,806	0.89	1.388	5,100	4,539	0.89	1.475

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M60KA / PUZ-ZM60VHA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	6,039	4,288	0.71	1.217	5,856	4,158	0.71	1.285	5,673	4,028	0.71	1.361
20	18	6,466	3,815	0.59	1.240	6,283	3,707	0.59	1.308	6,070	3,581	0.59	1.399
20	20	6,954	3,268	0.47	1.278	6,802	3,197	0.47	1.338	6,619	3,111	0.47	1.430
22	16	6,039	4,771	0.79	1.217	5,856	4,626	0.79	1.285	5,673	4,482	0.79	1.361
22	18	6,466	4,332	0.67	1.240	6,283	4,210	0.67	1.308	6,070	4,067	0.67	1.399
22	20	6,954	3,825	0.55	1.278	6,802	3,741	0.55	1.338	6,619	3,640	0.55	1.430
24	16	6,039	5,254	0.87	1.217	5,856	5,095	0.87	1.285	5,673	4,936	0.87	1.361
24	18	6,466	4,850	0.75	1.240	6,283	4,712	0.75	1.308	6,070	4,552	0.75	1.399
24	20	6,954	4,381	0.63	1.278	6,802	4,285	0.63	1.338	6,619	4,170	0.63	1.430
24	22	7,412	3,780	0.51	1.308	7,259	3,702	0.51	1.384	7,076	3,609	0.51	1.475
26	16	6,039	5,737	0.95	1.217	5,856	5,563	0.95	1.285	5,673	5,389	0.95	1.361
26	18	6,466	5,367	0.83	1.240	6,283	5,215	0.83	1.308	6,070	5,038	0.83	1.399
26	20	6,954	4,937	0.71	1.278	6,802	4,829	0.71	1.338	6,619	4,699	0.71	1.430
26	22	7,412	4,373	0.59	1.308	7,259	4,283	0.59	1.384	7,076	4,175	0.59	1.475
27	16	6,039	5,979	0.99	1.217	5,856	5,797	0.99	1.285	5,673	5,616	0.99	1.361
27	18	6,466	5,625	0.87	1.240	6,283	5,466	0.87	1.308	6,070	5,280	0.87	1.399
27	20	6,954	5,216	0.75	1.278	6,802	5,101	0.75	1.338	6,619	4,964	0.75	1.430
27	22	7,412	4,669	0.63	1.308	7,259	4,573	0.63	1.384	7,076	4,458	0.63	1.475
28	16	6,039	6,039	1.00	1.217	5,856	5,856	1.00	1.285	5,673	5,673	1.00	1.361
28	18	6,466	5,884	0.91	1.240	6,283	5,718	0.91	1.308	6,070	5,523	0.91	1.399
28	20	6,954	5,494	0.79	1.278	6,802	5,373	0.79	1.338	6,619	5,229	0.79	1.430
28	22	7,412	4,966	0.67	1.308	7,259	4,864	0.67	1.384	7,076	4,741	0.67	1.475
30	16	6,039	6,039	1.00	1.217	5,856	5,856	1.00	1.285	5,673	5,673	1.00	1.361
30	18	6,466	6,401	0.99	1.240	6,283	6,220	0.99	1.308	6,070	6,009	0.99	1.399
30	20	6,954	6,050	0.87	1.278	6,802	5,917	0.87	1.338	6,619	5,758	0.87	1.430
30	22	7,412	5,559	0.75	1.308	7,259	5,444	0.75	1.384	7,076	5,307	0.75	1.475
32	16	6,039	6,039	1.00	1.217	5,856	5,856	1.00	1.285	5,673	5,673	1.00	1.361
32	18	6,466	6,466	1.00	1.240	6,283	6,283	1.00	1.308	6,070	6,070	1.00	1.399
32	20	6,954	6,606	0.95	1.278	6,802	6,461	0.95	1.338	6,619	6,288	0.95	1.430
32	22	7,412	6,152	0.83	1.308	7,259	6,025	0.83	1.384	7,076	5,873	0.83	1.475
34	16	6,039	6,039	1.00	1.217	5,856	5,856	1.00	1.285	5,673	5,673	1.00	1.361
34	18	6,466	6,466	1.00	1.240	6,283	6,283	1.00	1.308	6,070	6,070	1.00	1.399
34	20	6,954	6,954	1.00	1.278	6,802	6,802	1.00	1.338	6,619	6,619	1.00	1.430
34	22	7,412	6,744	0.91	1.308	7,259	6,606	0.91	1.384	7,076	6,439	0.91	1.475

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	5,429	3,855	0.71	1.460	5,185	3,681	0.71	1.567	4,941	3,508	0.71	1.696
20	18	5,856	3,455	0.59	1.498	5,673	3,347	0.59	1.612	5,307	3,131	0.59	1.734
20	20	6,344	2,982	0.47	1.536	6,100	2,867	0.47	1.643	5,734	2,695	0.47	1.764
22	16	5,429	4,289	0.79	1.460	5,185	4,096	0.79	1.567	4,941	3,903	0.79	1.696
22	18	5,856	3,924	0.67	1.498	5,673	3,801	0.67	1.612	5,307	3,556	0.67	1.734
22	20	6,344	3,489	0.55	1.536	6,100	3,355	0.55	1.643	5,734	3,154	0.55	1.764
24	16	5,429	4,723	0.87	1.460	5,185	4,511	0.87	1.567	4,941	4,299	0.87	1.696
24	18	5,856	4,392	0.75	1.498	5,673	4,255	0.75	1.612	5,307	3,980	0.75	1.734
24	20	6,344	3,997	0.63	1.536	6,100	3,843	0.63	1.643	5,734	3,612	0.63	1.764
24	22	6,832	3,484	0.51	1.567	6,588	3,360	0.51	1.688	6,222	3,173	0.51	1.795
26	16	5,429	5,158	0.95	1.460	5,185	4,926	0.95	1.567	4,941	4,694	0.95	1.696
26	18	5,856	4,860	0.83	1.498	5,673	4,709	0.83	1.612	5,307	4,405	0.83	1.734
26	20	6,344	4,504	0.71	1.536	6,100	4,331	0.71	1.643	5,734	4,071	0.71	1.764
26	22	6,832	4,031	0.59	1.567	6,588	3,887	0.59	1.688	6,222	3,671	0.59	1.795
27	16	5,429	5,375	0.99	1.460	5,185	5,133	0.99	1.567	4,941	4,892	0.99	1.696
27	18	5,856	5,095	0.87	1.498	5,673	4,936	0.87	1.612	5,307	4,617	0.87	1.734
27	20	6,344	4,758	0.75	1.536	6,100	4,575	0.75	1.643	5,734	4,301	0.75	1.764
27	22	6,832	4,304	0.63	1.567	6,588	4,150	0.63	1.688	6,222	3,920	0.63	1.795
28	16	5,429	5,429	1.00	1.460	5,185	5,185	1.00	1.567	4,941	4,941	1.00	1.696
28	18	5,856	5,329	0.91	1.498	5,673	5,162	0.91	1.612	5,307	4,829	0.91	1.734
28	20	6,344	5,012	0.79	1.536	6,100	4,819	0.79	1.643	5,734	4,530	0.79	1.764
28	22	6,832	4,577	0.67	1.567	6,588	4,414	0.67	1.688	6,222	4,169	0.67	1.795
30	16	5,429	5,429	1.00	1.460	5,185	5,185	1.00	1.567	4,941	4,941	1.00	1.696
30	18	5,856	5,797	0.99	1.498	5,673	5,616	0.99	1.612	5,307	5,254	0.99	1.734
30	20	6,344	5,519	0.87	1.536	6,100	5,307	0.87	1.643	5,734	4,989	0.87	1.764
30	22	6,832	5,124	0.75	1.567	6,588	4,941	0.75	1.688	6,222	4,667	0.75	1.795
32	16	5,429	5,429	1.00	1.460	5,185	5,185	1.00	1.567	4,941	4,941	1.00	1.696
32	18	5,856	5,856	1.00	1.498	5,673	5,673	1.00	1.612	5,307	5,307	1.00	1.734
32	20	6,344	6,027	0.95	1.536	6,100	5,795	0.95	1.643	5,734	5,447	0.95	1.764
32	22	6,832	5,671	0.83	1.567	6,588	5,468	0.83	1.688	6,222	5,164	0.83	1.795
34	16	5,429	5,429	1.00	1.460	5,185	5,185	1.00	1.567	4,941	4,941	1.00	1.696
34	18	5,856	5,856	1.00	1.498	5,673	5,673	1.00	1.612	5,307	5,307	1.00	1.734
34	20	6,344	6,344	1.00	1.536	6,100	6,100	1.00	1.643	5,734	5,734	1.00	1.764
34	22	6,832	6,217	0.91	1.567	6,588	5,995	0.91	1.688	6,222	5,662	0.91	1.795

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M71KA / PUZ-ZM71VHA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	7,029	4,639	0.66	1.463	6,816	4,499	0.66	1.546	6,603	4,358	0.66	1.637
20	18	7,526	4,064	0.54	1.491	7,313	3,949	0.54	1.573	7,065	3,815	0.54	1.683
20	20	8,094	3,399	0.42	1.536	7,917	3,325	0.42	1.610	7,704	3,235	0.42	1.719
22	16	7,029	5,201	0.74	1.463	6,816	5,044	0.74	1.546	6,603	4,886	0.74	1.637
22	18	7,526	4,666	0.62	1.491	7,313	4,534	0.62	1.573	7,065	4,380	0.62	1.683
22	20	8,094	4,047	0.50	1.536	7,917	3,958	0.50	1.610	7,704	3,852	0.50	1.719
24	16	7,029	5,764	0.82	1.463	6,816	5,589	0.82	1.546	6,603	5,414	0.82	1.637
24	18	7,526	5,268	0.70	1.491	7,313	5,119	0.70	1.573	7,065	4,945	0.70	1.683
24	20	8,094	4,695	0.58	1.536	7,917	4,592	0.58	1.610	7,704	4,468	0.58	1.719
24	22	8,627	3,968	0.46	1.573	8,449	3,887	0.46	1.664	8,236	3,789	0.46	1.774
26	16	7,029	6,326	0.90	1.463	6,816	6,134	0.90	1.546	6,603	5,943	0.90	1.637
26	18	7,526	5,870	0.78	1.491	7,313	5,704	0.78	1.573	7,065	5,510	0.78	1.683
26	20	8,094	5,342	0.66	1.536	7,917	5,225	0.66	1.610	7,704	5,084	0.66	1.719
26	22	8,627	4,658	0.54	1.573	8,449	4,562	0.54	1.664	8,236	4,447	0.54	1.774
27	16	7,029	6,607	0.94	1.463	6,816	6,407	0.94	1.546	6,603	6,207	0.94	1.637
27	18	7,526	6,171	0.82	1.491	7,313	5,997	0.82	1.573	7,065	5,793	0.82	1.683
27	20	8,094	5,666	0.70	1.536	7,917	5,542	0.70	1.610	7,704	5,392	0.70	1.719
27	22	8,627	5,003	0.58	1.573	8,449	4,900	0.58	1.664	8,236	4,777	0.58	1.774
28	16	7,029	6,888	0.98	1.463	6,816	6,680	0.98	1.546	6,603	6,471	0.98	1.637
28	18	7,526	6,472	0.86	1.491	7,313	6,289	0.86	1.573	7,065	6,075	0.86	1.683
28	20	8,094	5,990	0.74	1.536	7,917	5,858	0.74	1.610	7,704	5,701	0.74	1.719
28	22	8,627	5,348	0.62	1.573	8,449	5,238	0.62	1.664	8,236	5,106	0.62	1.774
30	16	7,029	7,029	1.00	1.463	6,816	6,816	1.00	1.546	6,603	6,603	1.00	1.637
30	18	7,526	7,074	0.94	1.491	7,313	6,874	0.94	1.573	7,065	6,641	0.94	1.683
30	20	8,094	6,637	0.82	1.536	7,917	6,492	0.82	1.610	7,704	6,317	0.82	1.719
30	22	8,627	6,039	0.70	1.573	8,449	5,914	0.70	1.664	8,236	5,765	0.70	1.774
32	16	7,029	7,029	1.00	1.463	6,816	6,816	1.00	1.546	6,603	6,603	1.00	1.637
32	18	7,526	7,526	1.00	1.491	7,313	7,313	1.00	1.573	7,065	7,065	1.00	1.683
32	20	8,094	7,285	0.90	1.536	7,917	7,125	0.90	1.610	7,704	6,933	0.90	1.719
32	22	8,627	6,729	0.78	1.573	8,449	6,590	0.78	1.664	8,236	6,424	0.78	1.774
34	16	7,029	7,029	1.00	1.463	6,816	6,816	1.00	1.546	6,603	6,603	1.00	1.637
34	18	7,526	7,526	1.00	1.491	7,313	7,313	1.00	1.573	7,065	7,065	1.00	1.683
34	20	8,094	7,932	0.98	1.536	7,917	7,758	0.98	1.610	7,704	7,549	0.98	1.719
34	22	8,627	7,419	0.86	1.573	8,449	7,266	0.86	1.664	8,236	7,083	0.86	1.774

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	6,319	4,171	0.66	1.756	6,035	3,983	0.66	1.884	5,751	3,796	0.66	2.039
20	18	6,816	3,681	0.54	1.802	6,603	3,566	0.54	1.939	6,177	3,336	0.54	2.085
20	20	7,384	3,101	0.42	1.847	7,100	2,982	0.42	1.975	6,674	2,803	0.42	2.122
22	16	6,319	4,676	0.74	1.756	6,035	4,466	0.74	1.884	5,751	4,256	0.74	2.039
22	18	6,816	4,226	0.62	1.802	6,603	4,094	0.62	1.939	6,177	3,830	0.62	2.085
22	20	7,384	3,692	0.50	1.847	7,100	3,550	0.50	1.975	6,674	3,337	0.50	2.122
24	16	6,319	5,182	0.82	1.756	6,035	4,949	0.82	1.884	5,751	4,716	0.82	2.039
24	18	6,816	4,771	0.70	1.802	6,603	4,622	0.70	1.939	6,177	4,324	0.70	2.085
24	20	7,384	4,283	0.58	1.847	7,100	4,118	0.58	1.975	6,674	3,871	0.58	2.122
24	22	7,952	3,658	0.46	1.884	7,668	3,527	0.46	2.030	7,242	3,331	0.46	2.158
26	16	6,319	5,687	0.90	1.756	6,035	5,432	0.90	1.884	5,751	5,176	0.90	2.039
26	18	6,816	5,316	0.78	1.802	6,603	5,150	0.78	1.939	6,177	4,818	0.78	2.085
26	20	7,384	4,873	0.66	1.847	7,100	4,686	0.66	1.975	6,674	4,405	0.66	2.122
26	22	7,952	4,294	0.54	1.884	7,668	4,141	0.54	2.030	7,242	3,911	0.54	2.158
27	16	6,319	5,940	0.94	1.756	6,035	5,673	0.94	1.884	5,751	5,406	0.94	2.039
27	18	6,816	5,589	0.82	1.802	6,603	5,414	0.82	1.939	6,177	5,065	0.82	2.085
27	20	7,384	5,169	0.70	1.847	7,100	4,970	0.70	1.975	6,674	4,672	0.70	2.122
27	22	7,952	4,612	0.58	1.884	7,668	4,447	0.58	2.030	7,242	4,200	0.58	2.158
28	16	6,319	6,193	0.98	1.756	6,035	5,914	0.98	1.884	5,751	5,636	0.98	2.039
28	18	6,816	5,862	0.86	1.802	6,603	5,679	0.86	1.939	6,177	5,312	0.86	2.085
28	20	7,384	5,464	0.74	1.847	7,100	5,254	0.74	1.975	6,674	4,939	0.74	2.122
28	22	7,952	4,930	0.62	1.884	7,668	4,754	0.62	2.030	7,242	4,490	0.62	2.158
30	16	6,319	6,319	1.00	1.756	6,035	6,035	1.00	1.884	5,751	5,751	1.00	2.039
30	18	6,816	6,407	0.94	1.802	6,603	6,207	0.94	1.939	6,177	5,806	0.94	2.085
30	20	7,384	6,055	0.82	1.847	7,100	5,822	0.82	1.975	6,674	5,473	0.82	2.122
30	22	7,952	5,566	0.70	1.884	7,668	5,368	0.70	2.030	7,242	5,069	0.70	2.158
32	16	6,319	6,319	1.00	1.756	6,035	6,035	1.00	1.884	5,751	5,751	1.00	2.039
32	18	6,816	6,816	1.00	1.802	6,603	6,603	1.00	1.939	6,177	6,177	1.00	2.085
32	20	7,384	6,646	0.90	1.847	7,100	6,390	0.90	1.975	6,674	6,007	0.90	2.122
32	22	7,952	6,203	0.78	1.884	7,668	5,981	0.78	2.030	7,242	5,649	0.78	2.158
34	16	6,319	6,319	1.00	1.756	6,035	6,035	1.00	1.884	5,751	5,751	1.00	2.039
34	18	6,816	6,816	1.00	1.802	6,603	6,603	1.00	1.939	6,177	6,177	1.00	2.085
34	20	7,384	7,236	0.98	1.847	7,100	6,958	0.98	1.975	6,674	6,541	0.98	2.122
34	22	7,952	6,839	0.86	1.884	7,668	6,594	0.86	2.030	7,242	6,228	0.86	2.158

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M100KA / PUZ-ZM100VKA PUZ-ZM100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	6,301	0.67	1.854	9,120	6,110	0.67	1.958	8,835	5,919	0.67	2.074
20	18	10,070	5,539	0.55	1.888	9,785	5,382	0.55	1.993	9,453	5,199	0.55	2.132
20	20	10,830	4,657	0.43	1.946	10,593	4,555	0.43	2.039	10,308	4,432	0.43	2.178
22	16	9,405	7,054	0.75	1.854	9,120	6,840	0.75	1.958	8,835	6,626	0.75	2.074
22	18	10,070	6,344	0.63	1.888	9,785	6,165	0.63	1.993	9,453	5,955	0.63	2.132
22	20	10,830	5,523	0.51	1.946	10,593	5,402	0.51	2.039	10,308	5,257	0.51	2.178
24	16	9,405	7,806	0.83	1.854	9,120	7,570	0.83	1.958	8,835	7,333	0.83	2.074
24	18	10,070	7,150	0.71	1.888	9,785	6,947	0.71	1.993	9,453	6,711	0.71	2.132
24	20	10,830	6,390	0.59	1.946	10,593	6,250	0.59	2.039	10,308	6,081	0.59	2.178
24	22	11,543	5,425	0.47	1.993	11,305	5,313	0.47	2.108	11,020	5,179	0.47	2.247
26	16	9,405	8,559	0.91	1.854	9,120	8,299	0.91	1.958	8,835	8,040	0.91	2.074
26	18	10,070	7,955	0.79	1.888	9,785	7,730	0.79	1.993	9,453	7,467	0.79	2.132
26	20	10,830	7,256	0.67	1.946	10,593	7,097	0.67	2.039	10,308	6,906	0.67	2.178
26	22	11,543	6,348	0.55	1.993	11,305	6,218	0.55	2.108	11,020	6,061	0.55	2.247
27	16	9,405	8,935	0.95	1.854	9,120	8,664	0.95	1.958	8,835	8,393	0.95	2.074
27	18	10,070	8,358	0.83	1.888	9,785	8,122	0.83	1.993	9,453	7,846	0.83	2.132
27	20	10,830	7,689	0.71	1.946	10,593	7,521	0.71	2.039	10,308	7,318	0.71	2.178
27	22	11,543	6,810	0.59	1.993	11,305	6,670	0.59	2.108	11,020	6,502	0.59	2.247
28	16	9,405	9,311	0.99	1.854	9,120	9,029	0.99	1.958	8,835	8,747	0.99	2.074
28	18	10,070	8,761	0.87	1.888	9,785	8,513	0.87	1.993	9,453	8,224	0.87	2.132
28	20	10,830	8,123	0.75	1.946	10,593	7,944	0.75	2.039	10,308	7,731	0.75	2.178
28	22	11,543	7,272	0.63	1.993	11,305	7,122	0.63	2.108	11,020	6,943	0.63	2.247
30	16	9,405	9,405	1.00	1.854	9,120	9,120	1.00	1.958	8,835	8,835	1.00	2.074
30	18	10,070	9,567	0.95	1.888	9,785	9,296	0.95	1.993	9,453	8,980	0.95	2.132
30	20	10,830	8,989	0.83	1.946	10,593	8,792	0.83	2.039	10,308	8,555	0.83	2.178
30	22	11,543	8,195	0.71	1.993	11,305	8,027	0.71	2.108	11,020	7,824	0.71	2.247
32	16	9,405	9,405	1.00	1.854	9,120	9,120	1.00	1.958	8,835	8,835	1.00	2.074
32	18	10,070	10,070	1.00	1.888	9,785	9,785	1.00	1.993	9,453	9,453	1.00	2.132
32	20	10,830	9,855	0.91	1.946	10,593	9,639	0.91	2.039	10,308	9,380	0.91	2.178
32	22	11,543	9,119	0.79	1.993	11,305	8,931	0.79	2.108	11,020	8,706	0.79	2.247
34	16	9,405	9,405	1.00	1.854	9,120	9,120	1.00	1.958	8,835	8,835	1.00	2.074
34	18	10,070	10,070	1.00	1.888	9,785	9,785	1.00	1.993	9,453	9,453	1.00	2.132
34	20	10,830	10,722	0.99	1.946	10,593	10,487	0.99	2.039	10,308	10,204	0.99	2.178
34	22	11,543	10,042	0.87	1.993	11,305	9,835	0.87	2.108	11,020	9,587	0.87	2.247

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	5,665	0.67	2.224	8,075	5,410	0.67	2.387	7,695	5,156	0.67	2.583
20	18	9,120	5,016	0.55	2.282	8,835	4,859	0.55	2.456	8,265	4,546	0.55	2.641
20	20	9,880	4,248	0.43	2.340	9,500	4,085	0.43	2.502	8,930	3,840	0.43	2.688
22	16	8,455	6,341	0.75	2.224	8,075	6,056	0.75	2.387	7,695	5,771	0.75	2.583
22	18	9,120	5,746	0.63	2.282	8,835	5,566	0.63	2.456	8,265	5,207	0.63	2.641
22	20	9,880	5,039	0.51	2.340	9,500	4,845	0.51	2.502	8,930	4,554	0.51	2.688
24	16	8,455	7,018	0.83	2.224	8,075	6,702	0.83	2.387	7,695	6,387	0.83	2.583
24	18	9,120	6,475	0.71	2.282	8,835	6,273	0.71	2.456	8,265	5,868	0.71	2.641
24	20	9,880	5,829	0.59	2.340	9,500	5,605	0.59	2.502	8,930	5,269	0.59	2.688
24	22	10,640	5,001	0.47	2.387	10,260	4,822	0.47	2.572	9,690	4,554	0.47	2.734
26	16	8,455	7,694	0.91	2.224	8,075	7,348	0.91	2.387	7,695	7,002	0.91	2.583
26	18	9,120	7,205	0.79	2.282	8,835	6,980	0.79	2.456	8,265	6,529	0.79	2.641
26	20	9,880	6,620	0.67	2.340	9,500	6,365	0.67	2.502	8,930	5,983	0.67	2.688
26	22	10,640	5,852	0.55	2.387	10,260	5,643	0.55	2.572	9,690	5,330	0.55	2.734
27	16	8,455	8,032	0.95	2.224	8,075	7,671	0.95	2.387	7,695	7,310	0.95	2.583
27	18	9,120	7,570	0.83	2.282	8,835	7,333	0.83	2.456	8,265	6,860	0.83	2.641
27	20	9,880	7,015	0.71	2.340	9,500	6,745	0.71	2.502	8,930	6,340	0.71	2.688
27	22	10,640	6,278	0.59	2.387	10,260	6,053	0.59	2.572	9,690	5,717	0.59	2.734
28	16	8,455	8,370	0.99	2.224	8,075	7,994	0.99	2.387	7,695	7,618	0.99	2.583
28	18	9,120	7,934	0.87	2.282	8,835	7,686	0.87	2.456	8,265	7,191	0.87	2.641
28	20	9,880	7,410	0.75	2.340	9,500	7,125	0.75	2.502	8,930	6,698	0.75	2.688
28	22	10,640	6,703	0.63	2.387	10,260	6,464	0.63	2.572	9,690	6,105	0.63	2.734
30	16	8,455	8,455	1.00	2.224	8,075	8,075	1.00	2.387	7,695	7,695	1.00	2.583
30	18	9,120	8,664	0.95	2.282	8,835	8,393	0.95	2.456	8,265	7,852	0.95	2.641
30	20	9,880	8,200	0.83	2.340	9,500	7,885	0.83	2.502	8,930	7,412	0.83	2.688
30	22	10,640	7,554	0.71	2.387	10,260	7,285	0.71	2.572	9,690	6,880	0.71	2.734
32	16	8,455	8,455	1.00	2.224	8,075	8,075	1.00	2.387	7,695	7,695	1.00	2.583
32	18	9,120	9,120	1.00	2.282	8,835	8,835	1.00	2.456	8,265	8,265	1.00	2.641
32	20	9,880	8,991	0.91	2.340	9,500	8,645	0.91	2.502	8,930	8,126	0.91	2.688
32	22	10,640	8,406	0.79	2.387	10,260	8,105	0.79	2.572	9,690	7,655	0.79	2.734
34	16	8,455	8,455	1.00	2.224	8,075	8,075	1.00	2.387	7,695	7,695	1.00	2.583
34	18	9,120	9,120	1.00	2.282	8,835	8,835	1.00	2.456	8,265	8,265	1.00	2.641
34	20	9,880	9,781	0.99	2.340	9,500	9,405	0.99	2.502	8,930	8,841	0.99	2.688
34	22	10,640	9,257	0.87	2.387	10,260	8,926	0.87	2.572	9,690	8,430	0.87	2.734

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M125KA / PUZ-ZM125VKA PUZ-ZM125YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	12,375	7,673	0.62	3.077	12,000	7,440	0.62	3.250	11,625	7,208	0.62	3.442
20	18	13,250	6,625	0.50	3.134	12,875	6,438	0.50	3.308	12,438	6,219	0.50	3.538
20	20	14,250	5,415	0.38	3.231	13,938	5,296	0.38	3.384	13,563	5,154	0.38	3.615
22	16	12,375	8,663	0.70	3.077	12,000	8,400	0.70	3.250	11,625	8,138	0.70	3.442
22	18	13,250	7,685	0.58	3.134	12,875	7,468	0.58	3.308	12,438	7,214	0.58	3.538
22	20	14,250	6,555	0.46	3.231	13,938	6,411	0.46	3.384	13,563	6,239	0.46	3.615
24	16	12,375	9,653	0.78	3.077	12,000	9,360	0.78	3.250	11,625	9,068	0.78	3.442
24	18	13,250	8,745	0.66	3.134	12,875	8,498	0.66	3.308	12,438	8,209	0.66	3.538
24	20	14,250	7,695	0.54	3.231	13,938	7,526	0.54	3.384	13,563	7,324	0.54	3.615
24	22	15,188	6,379	0.42	3.308	14,875	6,248	0.42	3.500	14,500	6,090	0.42	3.731
26	16	12,375	10,643	0.86	3.077	12,000	10,320	0.86	3.250	11,625	9,998	0.86	3.442
26	18	13,250	9,805	0.74	3.134	12,875	9,528	0.74	3.308	12,438	9,204	0.74	3.538
26	20	14,250	8,835	0.62	3.231	13,938	8,641	0.62	3.384	13,563	8,409	0.62	3.615
26	22	15,188	7,594	0.50	3.308	14,875	7,438	0.50	3.500	14,500	7,250	0.50	3.731
27	16	12,375	11,138	0.90	3.077	12,000	10,800	0.90	3.250	11,625	10,463	0.90	3.442
27	18	13,250	10,335	0.78	3.134	12,875	10,043	0.78	3.308	12,438	9,701	0.78	3.538
27	20	14,250	9,405	0.66	3.231	13,938	9,199	0.66	3.384	13,563	8,951	0.66	3.615
27	22	15,188	8,201	0.54	3.308	14,875	8,033	0.54	3.500	14,500	7,830	0.54	3.731
28	16	12,375	11,633	0.94	3.077	12,000	11,280	0.94	3.250	11,625	10,928	0.94	3.442
28	18	13,250	10,865	0.82	3.134	12,875	10,558	0.82	3.308	12,438	10,199	0.82	3.538
28	20	14,250	9,975	0.70	3.231	13,938	9,756	0.70	3.384	13,563	9,494	0.70	3.615
28	22	15,188	8,809	0.58	3.308	14,875	8,628	0.58	3.500	14,500	8,410	0.58	3.731
30	16	12,375	12,375	1.00	3.077	12,000	12,000	1.00	3.250	11,625	11,625	1.00	3.442
30	18	13,250	11,925	0.90	3.134	12,875	11,588	0.90	3.308	12,438	11,194	0.90	3.538
30	20	14,250	11,115	0.78	3.231	13,938	10,871	0.78	3.384	13,563	10,579	0.78	3.615
30	22	15,188	10,024	0.66	3.308	14,875	9,818	0.66	3.500	14,500	9,570	0.66	3.731
32	16	12,375	12,375	1.00	3.077	12,000	12,000	1.00	3.250	11,625	11,625	1.00	3.442
32	18	13,250	12,985	0.98	3.134	12,875	12,618	0.98	3.308	12,438	12,189	0.98	3.538
32	20	14,250	12,255	0.86	3.231	13,938	11,986	0.86	3.384	13,563	11,664	0.86	3.615
32	22	15,188	11,239	0.74	3.308	14,875	11,008	0.74	3.500	14,500	10,730	0.74	3.731
34	16	12,375	12,375	1.00	3.077	12,000	12,000	1.00	3.250	11,625	11,625	1.00	3.442
34	18	13,250	13,250	1.00	3.134	12,875	12,875	1.00	3.308	12,438	12,438	1.00	3.538
34	20	14,250	13,395	0.94	3.231	13,938	13,101	0.94	3.384	13,563	12,749	0.94	3.615
34	22	15,188	12,454	0.82	3.308	14,875	12,198	0.82	3.500	14,500	11,890	0.82	3.731

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,125	6,898	0.62	3.692	10,625	6,588	0.62	3.961	10,125	6,278	0.62	4.288
20	18	12,000	6,000	0.50	3.788	11,625	5,813	0.50	4.077	10,875	5,438	0.50	4.384
20	20	13,000	4,940	0.38	3.884	12,500	4,750	0.38	4.154	11,750	4,465	0.38	4.461
22	16	11,125	7,788	0.70	3.692	10,625	7,438	0.70	3.961	10,125	7,088	0.70	4.288
22	18	12,000	6,960	0.58	3.788	11,625	6,743	0.58	4.077	10,875	6,308	0.58	4.384
22	20	13,000	5,980	0.46	3.884	12,500	5,750	0.46	4.154	11,750	5,405	0.46	4.461
24	16	11,125	8,678	0.78	3.692	10,625	8,288	0.78	3.961	10,125	7,898	0.78	4.288
24	18	12,000	7,920	0.66	3.788	11,625	7,673	0.66	4.077	10,875	7,178	0.66	4.384
24	20	13,000	7,020	0.54	3.884	12,500	6,750	0.54	4.154	11,750	6,345	0.54	4.461
24	22	14,000	5,880	0.42	3.961	13,500	5,670	0.42	4.269	12,750	5,355	0.42	4.538
26	16	11,125	9,568	0.86	3.692	10,625	9,138	0.86	3.961	10,125	8,708	0.86	4.288
26	18	12,000	8,880	0.74	3.788	11,625	8,603	0.74	4.077	10,875	8,048	0.74	4.384
26	20	13,000	8,060	0.62	3.884	12,500	7,750	0.62	4.154	11,750	7,285	0.62	4.461
26	22	14,000	7,000	0.50	3.961	13,500	6,750	0.50	4.269	12,750	6,375	0.50	4.538
27	16	11,125	10,013	0.90	3.692	10,625	9,563	0.90	3.961	10,125	9,113	0.90	4.288
27	18	12,000	9,360	0.78	3.788	11,625	9,068	0.78	4.077	10,875	8,483	0.78	4.384
27	20	13,000	8,580	0.66	3.884	12,500	8,250	0.66	4.154	11,750	7,755	0.66	4.461
27	22	14,000	7,560	0.54	3.961	13,500	7,290	0.54	4.269	12,750	6,885	0.54	4.538
28	16	11,125	10,458	0.94	3.692	10,625	9,988	0.94	3.961	10,125	9,518	0.94	4.288
28	18	12,000	9,840	0.82	3.788	11,625	9,533	0.82	4.077	10,875	8,918	0.82	4.384
28	20	13,000	9,100	0.70	3.884	12,500	8,750	0.70	4.154	11,750	8,225	0.70	4.461
28	22	14,000	8,120	0.58	3.961	13,500	7,830	0.58	4.269	12,750	7,395	0.58	4.538
30	16	11,125	11,125	1.00	3.692	10,625	10,625	1.00	3.961	10,125	10,125	1.00	4.288
30	18	12,000	10,800	0.90	3.788	11,625	10,463	0.90	4.077	10,875	9,788	0.90	4.384
30	20	13,000	10,140	0.78	3.884	12,500	9,750	0.78	4.154	11,750	9,165	0.78	4.461
30	22	14,000	9,240	0.66	3.961	13,500	8,910	0.66	4.269	12,750	8,415	0.66	4.538
32	16	11,125	11,125	1.00	3.692	10,625	10,625	1.00	3.961	10,125	10,125	1.00	4.288
32	18	12,000	11,760	0.98	3.788	11,625	11,393	0.98	4.077	10,875	10,658	0.98	4.384
32	20	13,000	11,180	0.86	3.884	12,500	10,750	0.86	4.154	11,750	10,105	0.86	4.461
32	22	14,000	10,360	0.74	3.961	13,500	9,990	0.74	4.269	12,750	9,435	0.74	4.538
34	16	11,125	11,125	1.00	3.692	10,625	10,625	1.00	3.961	10,125	10,125	1.00	4.288
34	18	12,000	12,000	1.00	3.788	11,625	11,625	1.00	4.077	10,875	10,875	1.00	4.384
34	20	13,000	12,220	0.94	3.884	12,500	11,750	0.94	4.154	11,750	11,045	0.94	4.461
34	22	14,000	11,480	0.82	3.961	13,500	11,070	0.82	4.269	12,750	10,455	0.82	4.538

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M140KA / PUZ-ZM140VKA PUZ-ZM140YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,266	8,225	0.62	3.153	12,864	7,976	0.62	3.330	12,462	7,726	0.62	3.527
20	18	14,204	7,102	0.50	3.212	13,802	6,901	0.50	3.389	13,333	6,667	0.50	3.626
20	20	15,276	5,805	0.38	3.310	14,941	5,678	0.38	3.468	14,539	5,525	0.38	3.705
22	16	13,266	9,286	0.70	3.153	12,864	9,005	0.70	3.330	12,462	8,723	0.70	3.527
22	18	14,204	8,238	0.58	3.212	13,802	8,005	0.58	3.389	13,333	7,733	0.58	3.626
22	20	15,276	7,027	0.46	3.310	14,941	6,873	0.46	3.468	14,539	6,688	0.46	3.705
24	16	13,266	10,347	0.78	3.153	12,864	10,034	0.78	3.330	12,462	9,720	0.78	3.527
24	18	14,204	9,375	0.66	3.212	13,802	9,109	0.66	3.389	13,333	8,800	0.66	3.626
24	20	15,276	8,249	0.54	3.310	14,941	8,068	0.54	3.468	14,539	7,851	0.54	3.705
24	22	16,281	6,838	0.42	3.389	15,946	6,697	0.42	3.586	15,544	6,528	0.42	3.823
26	16	13,266	11,409	0.86	3.153	12,864	11,063	0.86	3.330	12,462	10,717	0.86	3.527
26	18	14,204	10,511	0.74	3.212	13,802	10,213	0.74	3.389	13,333	9,866	0.74	3.626
26	20	15,276	9,471	0.62	3.310	14,941	9,263	0.62	3.468	14,539	9,014	0.62	3.705
26	22	16,281	8,141	0.50	3.389	15,946	7,973	0.50	3.586	15,544	7,772	0.50	3.823
27	16	13,266	11,939	0.90	3.153	12,864	11,578	0.90	3.330	12,462	11,216	0.90	3.527
27	18	14,204	11,079	0.78	3.212	13,802	10,766	0.78	3.389	13,333	10,400	0.78	3.626
27	20	15,276	10,082	0.66	3.310	14,941	9,861	0.66	3.468	14,539	9,596	0.66	3.705
27	22	16,281	8,792	0.54	3.389	15,946	8,611	0.54	3.586	15,544	8,394	0.54	3.823
28	16	13,266	12,470	0.94	3.153	12,864	12,092	0.94	3.330	12,462	11,714	0.94	3.527
28	18	14,204	11,647	0.82	3.212	13,802	11,318	0.82	3.389	13,333	10,933	0.82	3.626
28	20	15,276	10,693	0.70	3.310	14,941	10,459	0.70	3.468	14,539	10,177	0.70	3.705
28	22	16,281	9,443	0.58	3.389	15,946	9,249	0.58	3.586	15,544	9,016	0.58	3.823
30	16	13,266	13,266	1.00	3.153	12,864	12,864	1.00	3.330	12,462	12,462	1.00	3.527
30	18	14,204	12,784	0.90	3.212	13,802	12,422	0.90	3.389	13,333	12,000	0.90	3.626
30	20	15,276	11,915	0.78	3.310	14,941	11,654	0.78	3.468	14,539	11,340	0.78	3.705
30	22	16,281	10,745	0.66	3.389	15,946	10,524	0.66	3.586	15,544	10,259	0.66	3.823
32	16	13,266	13,266	1.00	3.153	12,864	12,864	1.00	3.330	12,462	12,462	1.00	3.527
32	18	14,204	13,920	0.98	3.212	13,802	13,526	0.98	3.389	13,333	13,066	0.98	3.626
32	20	15,276	13,137	0.86	3.310	14,941	12,849	0.86	3.468	14,539	12,504	0.86	3.705
32	22	16,281	12,048	0.74	3.389	15,946	11,800	0.74	3.586	15,544	11,503	0.74	3.823
34	16	13,266	13,266	1.00	3.153	12,864	12,864	1.00	3.330	12,462	12,462	1.00	3.527
34	18	14,204	14,204	1.00	3.212	13,802	13,802	1.00	3.389	13,333	13,333	1.00	3.626
34	20	15,276	14,359	0.94	3.310	14,941	14,045	0.94	3.468	14,539	13,667	0.94	3.705
34	22	16,281	13,350	0.82	3.389	15,946	13,076	0.82	3.586	15,544	12,746	0.82	3.823

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,926	7,394	0.62	3.783	11,390	7,062	0.62	4.059	10,854	6,729	0.62	4.394
20	18	12,864	6,432	0.50	3.882	12,462	6,231	0.50	4.177	11,658	5,829	0.50	4.493
20	20	13,936	5,296	0.38	3.980	13,400	5,092	0.38	4.256	12,596	4,786	0.38	4.572
22	16	11,926	8,348	0.70	3.783	11,390	7,973	0.70	4.059	10,854	7,598	0.70	4.394
22	18	12,864	7,461	0.58	3.882	12,462	7,228	0.58	4.177	11,658	6,762	0.58	4.493
22	20	13,936	6,411	0.46	3.980	13,400	6,164	0.46	4.256	12,596	5,794	0.46	4.572
24	16	11,926	9,302	0.78	3.783	11,390	8,884	0.78	4.059	10,854	8,466	0.78	4.394
24	18	12,864	8,490	0.66	3.882	12,462	8,225	0.66	4.177	11,658	7,694	0.66	4.493
24	20	13,936	7,525	0.54	3.980	13,400	7,236	0.54	4.256	12,596	6,802	0.54	4.572
24	22	15,008	6,303	0.42	4.059	14,472	6,078	0.42	4.375	13,668	5,741	0.42	4.650
26	16	11,926	10,256	0.86	3.783	11,390	9,795	0.86	4.059	10,854	9,334	0.86	4.394
26	18	12,864	9,519	0.74	3.882	12,462	9,222	0.74	4.177	11,658	8,627	0.74	4.493
26	20	13,936	8,640	0.62	3.980	13,400	8,308	0.62	4.256	12,596	7,810	0.62	4.572
26	22	15,008	7,504	0.50	4.059	14,472	7,236	0.50	4.375	13,668	6,834	0.50	4.650
27	16	11,926	10,733	0.90	3.783	11,390	10,251	0.90	4.059	10,854	9,769	0.90	4.394
27	18	12,864	10,034	0.78	3.882	12,462	9,720	0.78	4.177	11,658	9,093	0.78	4.493
27	20	13,936	9,198	0.66	3.980	13,400	8,844	0.66	4.256	12,596	8,313	0.66	4.572
27	22	15,008	8,104	0.54	4.059	14,472	7,815	0.54	4.375	13,668	7,381	0.54	4.650
28	16	11,926	11,210	0.94	3.783	11,390	10,707	0.94	4.059	10,854	10,203	0.94	4.394
28	18	12,864	10,548	0.82	3.882	12,462	10,219	0.82	4.177	11,658	9,560	0.82	4.493
28	20	13,936	9,755	0.70	3.980	13,400	9,380	0.70	4.256	12,596	8,817	0.70	4.572
28	22	15,008	8,705	0.58	4.059	14,472	8,394	0.58	4.375	13,668	7,927	0.58	4.650
30	16	11,926	11,926	1.00	3.783	11,390	11,390	1.00	4.059	10,854	10,854	1.00	4.394
30	18	12,864	11,578	0.90	3.882	12,462	11,216	0.90	4.177	11,658	10,492	0.90	4.493
30	20	13,936	10,870	0.78	3.980	13,400	10,452	0.78	4.256	12,596	9,825	0.78	4.572
30	22	15,008	9,905	0.66	4.059	14,472	9,552	0.66	4.375	13,668	9,021	0.66	4.650
32	16	11,926	11,926	1.00	3.783	11,390	11,390	1.00	4.059	10,854	10,854	1.00	4.394
32	18	12,864	12,607	0.98	3.882	12,462	12,213	0.98	4.177	11,658	11,425	0.98	4.493
32	20	13,936	11,985	0.86	3.980	13,400	11,524	0.86	4.256	12,596	10,833	0.86	4.572
32	22	15,008	11,106	0.74	4.059	14,472	10,709	0.74	4.375	13,668	10,114	0.74	4.650
34	16	11,926	11,926	1.00	3.783	11,390	11,390	1.00	4.059	10,854	10,854	1.00	4.394
34	18	12,864	12,864	1.00	3.882	12,462	12,462	1.00	4.177	11,658	11,658	1.00	4.493
34	20	13,936	13,100	0.94	3.980	13,400	12,596	0.94	4.256	12,596	11,840	0.94	4.572
34	22	15,008	12,307	0.82	4.059	14,472	11,867	0.82	4.375	13,668	11,208	0.82	4.650

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M35KA / SUZ-M35VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 21				25				27				30			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
21	18	4,230	2,961	0.70	0.720	4,050	2,835	0.70	0.756	3,888	2,722	0.70	0.792	3,744	2,621	0.70	0.828
21	20	4,410	2,558	0.58	0.756	4,230	2,453	0.58	0.801	4,104	2,380	0.58	0.819	3,960	2,297	0.58	0.855
22	18	4,230	3,130	0.74	0.720	4,050	2,997	0.74	0.756	3,888	2,877	0.74	0.792	3,744	2,771	0.74	0.828
22	20	4,410	2,734	0.62	0.756	4,230	2,623	0.62	0.801	4,104	2,544	0.62	0.819	3,960	2,455	0.62	0.855
22	22	4,590	2,295	0.50	0.783	4,428	2,214	0.50	0.833	4,320	2,160	0.50	0.855	4,140	2,070	0.50	0.891
23	18	4,230	3,299	0.78	0.720	4,050	3,159	0.78	0.756	3,888	3,033	0.78	0.792	3,744	2,920	0.78	0.828
23	20	4,410	2,911	0.66	0.756	4,230	2,792	0.66	0.801	4,104	2,709	0.66	0.819	3,960	2,614	0.66	0.855
23	22	4,590	2,479	0.54	0.783	4,428	2,391	0.54	0.833	4,320	2,333	0.54	0.855	4,140	2,236	0.54	0.891
24	18	4,230	3,469	0.82	0.720	4,050	3,321	0.82	0.756	3,888	3,188	0.82	0.792	3,744	3,070	0.82	0.828
24	20	4,410	3,087	0.70	0.756	4,230	2,961	0.70	0.801	4,104	2,873	0.70	0.819	3,960	2,772	0.70	0.855
24	22	4,590	2,662	0.58	0.783	4,428	2,568	0.58	0.833	4,320	2,506	0.58	0.855	4,140	2,401	0.58	0.891
24	24	4,824	2,219	0.46	0.819	4,644	2,136	0.46	0.864	4,536	2,087	0.46	0.891	4,392	2,020	0.46	0.936
25	20	4,410	3,263	0.74	0.756	4,230	3,130	0.74	0.801	4,104	3,037	0.74	0.819	3,960	2,930	0.74	0.855
25	22	4,590	2,846	0.62	0.783	4,428	2,745	0.62	0.833	4,320	2,678	0.62	0.855	4,140	2,567	0.62	0.891
25	24	4,824	2,412	0.50	0.819	4,644	2,322	0.50	0.864	4,536	2,268	0.50	0.891	4,392	2,196	0.50	0.936
26	18	4,230	3,807	0.90	0.720	4,050	3,645	0.90	0.756	3,888	3,499	0.90	0.792	3,744	3,370	0.90	0.828
26	20	4,410	3,440	0.78	0.756	4,230	3,299	0.78	0.801	4,104	3,201	0.78	0.819	3,960	3,089	0.78	0.855
26	22	4,590	3,029	0.66	0.783	4,428	2,922	0.66	0.833	4,320	2,851	0.66	0.855	4,140	2,732	0.66	0.891
26	24	4,824	2,605	0.54	0.819	4,644	2,508	0.54	0.864	4,536	2,449	0.54	0.891	4,392	2,372	0.54	0.936
26	26	4,968	2,087	0.42	0.864	4,824	2,026	0.42	0.909	4,752	1,996	0.42	0.936	4,608	1,935	0.42	0.963
27	18	4,230	3,976	0.94	0.720	4,050	3,807	0.94	0.756	3,888	3,655	0.94	0.792	3,744	3,519	0.94	0.828
27	20	4,410	3,616	0.82	0.756	4,230	3,469	0.82	0.801	4,104	3,365	0.82	0.819	3,960	3,247	0.82	0.855
27	22	4,590	3,213	0.70	0.783	4,428	3,100	0.70	0.833	4,320	3,024	0.70	0.855	4,140	2,898	0.70	0.891
27	24	4,824	2,798	0.58	0.819	4,644	2,694	0.58	0.864	4,536	2,631	0.58	0.891	4,392	2,547	0.58	0.936
27	26	4,968	2,285	0.46	0.864	4,824	2,219	0.46	0.909	4,752	2,186	0.46	0.936	4,608	2,120	0.46	0.963
28	18	4,230	4,145	0.98	0.720	4,050	3,969	0.98	0.756	3,888	3,810	0.98	0.792	3,744	3,669	0.98	0.828
28	20	4,410	3,793	0.86	0.756	4,230	3,638	0.86	0.801	4,104	3,529	0.86	0.819	3,960	3,406	0.86	0.855
28	22	4,590	3,397	0.74	0.783	4,428	3,277	0.74	0.833	4,320	3,197	0.74	0.855	4,140	3,064	0.74	0.891
28	24	4,824	2,991	0.62	0.819	4,644	2,879	0.62	0.864	4,536	2,812	0.62	0.891	4,392	2,723	0.62	0.936
28	26	4,968	2,484	0.50	0.864	4,824	2,412	0.50	0.909	4,752	2,376	0.50	0.936	4,608	2,304	0.50	0.963
29	18	4,230	4,315	1.02	0.720	4,050	4,131	1.02	0.756	3,888	3,966	1.02	0.792	3,744	3,819	1.02	0.828
29	20	4,410	3,969	0.90	0.756	4,230	3,807	0.90	0.801	4,104	3,694	0.90	0.819	3,960	3,564	0.90	0.855
29	22	4,590	3,580	0.78	0.783	4,428	3,454	0.78	0.833	4,320	3,370	0.78	0.855	4,140	3,229	0.78	0.891
29	24	4,824	3,184	0.66	0.819	4,644	3,065	0.66	0.864	4,536	2,994	0.66	0.891	4,392	2,899	0.66	0.936
29	26	4,968	2,683	0.54	0.864	4,824	2,605	0.54	0.909	4,752	2,566	0.54	0.936	4,608	2,488	0.54	0.963
30	18	4,230	4,484	1.06	0.720	4,050	4,293	1.06	0.756	3,888	4,121	1.06	0.792	3,744	3,969	1.06	0.828
30	20	4,410	4,145	0.94	0.756	4,230	3,976	0.94	0.801	4,104	3,858	0.94	0.819	3,960	3,722	0.94	0.855
30	22	4,590	3,764	0.82	0.783	4,428	3,631	0.82	0.833	4,320	3,542	0.82	0.855	4,140	3,395	0.82	0.891
30	24	4,824	3,377	0.70	0.819	4,644	3,251	0.70	0.864	4,536	3,175	0.70	0.891	4,392	3,074	0.70	0.936
30	26	4,968	2,881	0.58	0.864	4,824	2,798	0.58	0.909	4,752	2,756	0.58	0.936	4,608	2,673	0.58	0.963
31	18	4,230	4,653	1.10	0.720	4,050	4,455	1.10	0.756	3,888	4,277	1.10	0.792	3,744	4,118	1.10	0.828
31	20	4,410	4,322	0.98	0.756	4,230	4,145	0.98	0.801	4,104	4,022	0.98	0.819	3,960	3,881	0.98	0.855
31	22	4,590	3,947	0.86	0.783	4,428	3,808	0.86	0.833	4,320	3,715	0.86	0.855	4,140	3,560	0.86	0.891
31	24	4,824	3,570	0.74	0.819	4,644	3,437	0.74	0.864	4,536	3,357	0.74	0.891	4,392	3,250	0.74	0.936
31	26	4,968	3,080	0.62	0.864	4,824	2,991	0.62	0.909	4,752	2,946	0.62	0.936	4,608	2,857	0.62	0.963
32	18	4,230	4,822	1.14	0.720	4,050	4,617	1.14	0.756	3,888	4,432	1.14	0.792	3,744	4,268	1.14	0.828
32	20	4,410	4,498	1.02	0.756	4,230	4,315	1.02	0.801	4,104	4,186	1.02	0.819	3,960	4,039	1.02	0.855
32	22	4,590	4,131	0.90	0.783	4,428	3,985	0.90	0.833	4,320	3,888	0.90	0.855	4,140	3,726	0.90	0.891
32	24	4,824	3,763	0.78	0.819	4,644	3,622	0.78	0.864	4,536	3,538	0.78	0.891	4,392	3,426	0.78	0.936
32	26	4,968	3,279	0.66	0.864	4,824	3,184	0.66	0.909	4,752	3,136	0.66	0.936	4,608	3,041	0.66	0.963

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M35KA / SUZ-M35VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
21	18	3,528	2,470	0.70	0.882	3,240	2,268	0.70	0.936	2,988	2,092	0.70	0.972
21	20	3,708	2,151	0.58	0.918	3,456	2,004	0.58	0.963	3,204	1,858	0.58	1.017
22	18	3,528	2,611	0.74	0.882	3,240	2,398	0.74	0.936	2,988	2,211	0.74	0.972
22	20	3,708	2,299	0.62	0.918	3,456	2,143	0.62	0.963	3,204	1,986	0.62	1.017
22	22	3,924	1,962	0.50	0.954	3,672	1,836	0.50	1.008	3,420	1,710	0.50	1.044
23	18	3,528	2,752	0.78	0.882	3,240	2,527	0.78	0.936	2,988	2,331	0.78	0.972
23	20	3,708	2,447	0.66	0.918	3,456	2,281	0.66	0.963	3,204	2,115	0.66	1.017
23	22	3,924	2,119	0.54	0.954	3,672	1,983	0.54	1.008	3,420	1,847	0.54	1.044
24	18	3,528	2,893	0.82	0.882	3,240	2,657	0.82	0.936	2,988	2,450	0.82	0.972
24	20	3,708	2,596	0.70	0.918	3,456	2,419	0.70	0.963	3,204	2,243	0.70	1.017
24	22	3,924	2,276	0.58	0.954	3,672	2,130	0.58	1.008	3,420	1,984	0.58	1.044
24	24	4,140	1,904	0.46	0.990	3,888	1,788	0.46	1.035	3,672	1,689	0.46	1.080
25	20	3,708	2,744	0.74	0.918	3,456	2,557	0.74	0.963	3,204	2,371	0.74	1.017
25	22	3,924	2,433	0.62	0.954	3,672	2,277	0.62	1.008	3,420	2,120	0.62	1.044
25	24	4,140	2,070	0.50	0.990	3,888	1,944	0.50	1.035	3,672	1,836	0.50	1.080
26	18	3,528	3,175	0.90	0.882	3,240	2,916	0.90	0.936	2,988	2,689	0.90	0.972
26	20	3,708	2,892	0.78	0.918	3,456	2,696	0.78	0.963	3,204	2,499	0.78	1.017
26	22	3,924	2,590	0.66	0.954	3,672	2,424	0.66	1.008	3,420	2,257	0.66	1.044
26	24	4,140	2,236	0.54	0.990	3,888	2,100	0.54	1.035	3,672	1,983	0.54	1.080
26	26	4,356	1,830	0.42	1.026	4,104	1,724	0.42	1.071	3,852	1,618	0.42	1.116
27	18	3,528	3,316	0.94	0.882	3,240	3,046	0.94	0.936	2,988	2,809	0.94	0.972
27	20	3,708	3,041	0.82	0.918	3,456	2,834	0.82	0.963	3,204	2,627	0.82	1.017
27	22	3,924	2,747	0.70	0.954	3,672	2,570	0.70	1.008	3,420	2,394	0.70	1.044
27	24	4,140	2,401	0.58	0.990	3,888	2,255	0.58	1.035	3,672	2,130	0.58	1.080
27	26	4,356	2,004	0.46	1.026	4,104	1,888	0.46	1.071	3,852	1,772	0.46	1.116
28	18	3,528	3,457	0.98	0.882	3,240	3,175	0.98	0.936	2,988	2,928	0.98	0.972
28	20	3,708	3,189	0.86	0.918	3,456	2,972	0.86	0.963	3,204	2,755	0.86	1.017
28	22	3,924	2,904	0.74	0.954	3,672	2,717	0.74	1.008	3,420	2,531	0.74	1.044
28	24	4,140	2,567	0.62	0.990	3,888	2,411	0.62	1.035	3,672	2,277	0.62	1.080
28	26	4,356	2,178	0.50	1.026	4,104	2,052	0.50	1.071	3,852	1,926	0.50	1.116
29	18	3,528	3,599	1.02	0.882	3,240	3,305	1.02	0.936	2,988	3,048	1.02	0.972
29	20	3,708	3,337	0.90	0.918	3,456	3,110	0.90	0.963	3,204	2,884	0.90	1.017
29	22	3,924	3,061	0.78	0.954	3,672	2,864	0.78	1.008	3,420	2,668	0.78	1.044
29	24	4,140	2,732	0.66	0.990	3,888	2,566	0.66	1.035	3,672	2,424	0.66	1.080
29	26	4,356	2,352	0.54	1.026	4,104	2,216	0.54	1.071	3,852	2,080	0.54	1.116
30	18	3,528	3,740	1.06	0.882	3,240	3,434	1.06	0.936	2,988	3,167	1.06	0.972
30	20	3,708	3,486	0.94	0.918	3,456	3,249	0.94	0.963	3,204	3,012	0.94	1.017
30	22	3,924	3,218	0.82	0.954	3,672	3,011	0.82	1.008	3,420	2,804	0.82	1.044
30	24	4,140	2,898	0.70	0.990	3,888	2,722	0.70	1.035	3,672	2,570	0.70	1.080
30	26	4,356	2,526	0.58	1.026	4,104	2,380	0.58	1.071	3,852	2,234	0.58	1.116
31	18	3,528	3,881	1.10	0.882	3,240	3,564	1.10	0.936	2,988	3,287	1.10	0.972
31	20	3,708	3,634	0.98	0.918	3,456	3,387	0.98	0.963	3,204	3,140	0.98	1.017
31	22	3,924	3,375	0.86	0.954	3,672	3,158	0.86	1.008	3,420	2,941	0.86	1.044
31	24	4,140	3,064	0.74	0.990	3,888	2,877	0.74	1.035	3,672	2,717	0.74	1.080
31	26	4,356	2,701	0.62	1.026	4,104	2,544	0.62	1.071	3,852	2,388	0.62	1.116
32	18	3,528	4,022	1.14	0.882	3,240	3,694	1.14	0.936	2,988	3,406	1.14	0.972
32	20	3,708	3,782	1.02	0.918	3,456	3,525	1.02	0.963	3,204	3,268	1.02	1.017
32	22	3,924	3,532	0.90	0.954	3,672	3,305	0.90	1.008	3,420	3,078	0.90	1.044
32	24	4,140	3,229	0.78	0.990	3,888	3,033	0.78	1.035	3,672	2,864	0.78	1.080
32	26	4,356	2,875	0.66	1.026	4,104	2,709	0.66	1.071	3,852	2,542	0.66	1.116

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M50KA / SUZ-M50VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 21				25				27				30			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
21	18	5,875	3,584	0.61	1.208	5,625	3,431	0.61	1.268	5,400	3,294	0.61	1.329	5,200	3,172	0.61	1.389
21	20	6,125	3,001	0.49	1.268	5,875	2,879	0.49	1.344	5,700	2,793	0.49	1.374	5,500	2,695	0.49	1.435
22	18	5,875	3,819	0.65	1.208	5,625	3,656	0.65	1.268	5,400	3,510	0.65	1.329	5,200	3,380	0.65	1.389
22	20	6,125	3,246	0.53	1.268	5,875	3,114	0.53	1.344	5,700	3,021	0.53	1.374	5,500	2,915	0.53	1.435
22	22	6,375	2,614	0.41	1.314	6,150	2,522	0.41	1.397	6,000	2,460	0.41	1.435	5,750	2,358	0.41	1.495
23	18	5,875	4,054	0.69	1.208	5,625	3,881	0.69	1.268	5,400	3,726	0.69	1.329	5,200	3,588	0.69	1.389
23	20	6,125	3,491	0.57	1.268	5,875	3,349	0.57	1.344	5,700	3,249	0.57	1.374	5,500	3,135	0.57	1.435
23	22	6,375	2,869	0.45	1.314	6,150	2,768	0.45	1.397	6,000	2,700	0.45	1.435	5,750	2,588	0.45	1.495
24	18	5,875	4,289	0.73	1.208	5,625	4,106	0.73	1.268	5,400	3,942	0.73	1.329	5,200	3,796	0.73	1.389
24	20	6,125	3,736	0.61	1.268	5,875	3,584	0.61	1.344	5,700	3,477	0.61	1.374	5,500	3,355	0.61	1.435
24	22	6,375	3,124	0.49	1.314	6,150	3,014	0.49	1.397	6,000	2,940	0.49	1.435	5,750	2,818	0.49	1.495
24	24	6,700	2,479	0.37	1.374	6,450	2,387	0.37	1.450	6,300	2,331	0.37	1.495	6,100	2,257	0.37	1.570
25	20	6,125	3,981	0.65	1.268	5,875	3,819	0.65	1.344	5,700	3,705	0.65	1.374	5,500	3,575	0.65	1.435
25	22	6,375	3,379	0.53	1.314	6,150	3,260	0.53	1.397	6,000	3,180	0.53	1.435	5,750	3,048	0.53	1.495
25	24	6,700	2,747	0.41	1.374	6,450	2,645	0.41	1.450	6,300	2,583	0.41	1.495	6,100	2,501	0.41	1.570
26	18	5,875	4,759	0.81	1.208	5,625	4,556	0.81	1.268	5,400	4,374	0.81	1.329	5,200	4,212	0.81	1.389
26	20	6,125	4,226	0.69	1.268	5,875	4,054	0.69	1.344	5,700	3,933	0.69	1.374	5,500	3,795	0.69	1.435
26	22	6,375	3,634	0.57	1.314	6,150	3,506	0.57	1.397	6,000	3,420	0.57	1.435	5,750	3,278	0.57	1.495
26	24	6,700	3,015	0.45	1.374	6,450	2,903	0.45	1.450	6,300	2,835	0.45	1.495	6,100	2,745	0.45	1.570
26	26	6,900	2,277	0.33	1.450	6,700	2,211	0.33	1.525	6,600	2,178	0.33	1.570	6,400	2,112	0.33	1.616
27	18	5,875	4,994	0.85	1.208	5,625	4,781	0.85	1.268	5,400	4,590	0.85	1.329	5,200	4,420	0.85	1.389
27	20	6,125	4,471	0.73	1.268	5,875	4,289	0.73	1.344	5,700	4,161	0.73	1.374	5,500	4,015	0.73	1.435
27	22	6,375	3,889	0.61	1.314	6,150	3,752	0.61	1.397	6,000	3,660	0.61	1.435	5,750	3,508	0.61	1.495
27	24	6,700	3,283	0.49	1.374	6,450	3,161	0.49	1.450	6,300	3,087	0.49	1.495	6,100	2,989	0.49	1.570
27	26	6,900	2,553	0.37	1.450	6,700	2,479	0.37	1.525	6,600	2,442	0.37	1.570	6,400	2,368	0.37	1.616
28	18	5,875	5,229	0.89	1.208	5,625	5,006	0.89	1.268	5,400	4,806	0.89	1.329	5,200	4,628	0.89	1.389
28	20	6,125	4,716	0.77	1.268	5,875	4,524	0.77	1.344	5,700	4,389	0.77	1.374	5,500	4,235	0.77	1.435
28	22	6,375	4,144	0.65	1.314	6,150	3,998	0.65	1.397	6,000	3,900	0.65	1.435	5,750	3,738	0.65	1.495
28	24	6,700	3,551	0.53	1.374	6,450	3,419	0.53	1.450	6,300	3,339	0.53	1.495	6,100	3,233	0.53	1.570
28	26	6,900	2,829	0.41	1.450	6,700	2,747	0.41	1.525	6,600	2,706	0.41	1.570	6,400	2,624	0.41	1.616
29	18	5,875	5,464	0.93	1.208	5,625	5,231	0.93	1.268	5,400	5,022	0.93	1.329	5,200	4,836	0.93	1.389
29	20	6,125	4,961	0.81	1.268	5,875	4,759	0.81	1.344	5,700	4,617	0.81	1.374	5,500	4,455	0.81	1.435
29	22	6,375	4,399	0.69	1.314	6,150	4,244	0.69	1.397	6,000	4,140	0.69	1.435	5,750	3,968	0.69	1.495
29	24	6,700	3,819	0.57	1.374	6,450	3,677	0.57	1.450	6,300	3,591	0.57	1.495	6,100	3,477	0.57	1.570
29	26	6,900	3,105	0.45	1.450	6,700	3,015	0.45	1.525	6,600	2,970	0.45	1.570	6,400	2,880	0.45	1.616
30	18	5,875	5,699	0.97	1.208	5,625	5,456	0.97	1.268	5,400	5,238	0.97	1.329	5,200	5,044	0.97	1.389
30	20	6,125	5,206	0.85	1.268	5,875	4,994	0.85	1.344	5,700	4,845	0.85	1.374	5,500	4,675	0.85	1.435
30	22	6,375	4,654	0.73	1.314	6,150	4,490	0.73	1.397	6,000	4,380	0.73	1.435	5,750	4,198	0.73	1.495
30	24	6,700	4,087	0.61	1.374	6,450	3,935	0.61	1.450	6,300	3,843	0.61	1.495	6,100	3,721	0.61	1.570
30	26	6,900	3,381	0.49	1.450	6,700	3,283	0.49	1.525	6,600	3,234	0.49	1.570	6,400	3,136	0.49	1.616
31	18	5,875	5,934	1.01	1.208	5,625	5,681	1.01	1.268	5,400	5,454	1.01	1.329	5,200	5,252	1.01	1.389
31	20	6,125	5,451	0.89	1.268	5,875	5,229	0.89	1.344	5,700	5,073	0.89	1.374	5,500	4,895	0.89	1.435
31	22	6,375	4,909	0.77	1.314	6,150	4,736	0.77	1.397	6,000	4,620	0.77	1.435	5,750	4,428	0.77	1.495
31	24	6,700	4,355	0.65	1.374	6,450	4,193	0.65	1.450	6,300	4,095	0.65	1.495	6,100	3,965	0.65	1.570
31	26	6,900	3,657	0.53	1.450	6,700	3,551	0.53	1.525	6,600	3,498	0.53	1.570	6,400	3,392	0.53	1.616
32	18	5,875	6,169	1.05	1.208	5,625	5,906	1.05	1.268	5,400	5,670	1.05	1.329	5,200	5,460	1.05	1.389
32	20	6,125	5,696	0.93	1.268	5,875	5,464	0.93	1.344	5,700	5,301	0.93	1.374	5,500	5,115	0.93	1.435
32	22	6,375	5,164	0.81	1.314	6,150	4,982	0.81	1.397	6,000	4,860	0.81	1.435	5,750	4,658	0.81	1.495
32	24	6,700	4,623	0.69	1.374	6,450	4,451	0.69	1.450	6,300	4,347	0.69	1.495	6,100	4,209	0.69	1.570
32	26	6,900	3,933	0.57	1.450	6,700	3,819	0.57	1.525	6,600	3,762	0.57	1.570	6,400	3,648	0.57	1.616

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M50KA / SUZ-M50VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
21	18	4,900	2,989	0.61	1.480	4,500	2,745	0.61	1.570	4,150	2,532	0.61	1.631
21	20	5,150	2,524	0.49	1.540	4,800	2,352	0.49	1.616	4,450	2,181	0.49	1.706
22	18	4,900	3,185	0.65	1.480	4,500	2,925	0.65	1.570	4,150	2,698	0.65	1.631
22	20	5,150	2,730	0.53	1.540	4,800	2,544	0.53	1.616	4,450	2,359	0.53	1.706
22	22	5,450	2,235	0.41	1.601	5,100	2,091	0.41	1.691	4,750	1,948	0.41	1.752
23	18	4,900	3,381	0.69	1.480	4,500	3,105	0.69	1.570	4,150	2,864	0.69	1.631
23	20	5,150	2,936	0.57	1.540	4,800	2,736	0.57	1.616	4,450	2,537	0.57	1.706
23	22	5,450	2,453	0.45	1.601	5,100	2,295	0.45	1.691	4,750	2,138	0.45	1.752
24	18	4,900	3,577	0.73	1.480	4,500	3,285	0.73	1.570	4,150	3,030	0.73	1.631
24	20	5,150	3,142	0.61	1.540	4,800	2,928	0.61	1.616	4,450	2,715	0.61	1.706
24	22	5,450	2,671	0.49	1.601	5,100	2,499	0.49	1.691	4,750	2,328	0.49	1.752
24	24	5,750	2,128	0.37	1.661	5,400	1,998	0.37	1.737	5,100	1,887	0.37	1.812
25	20	5,150	3,348	0.65	1.540	4,800	3,120	0.65	1.616	4,450	2,893	0.65	1.706
25	22	5,450	2,889	0.53	1.601	5,100	2,703	0.53	1.691	4,750	2,518	0.53	1.752
25	24	5,750	2,358	0.41	1.661	5,400	2,214	0.41	1.737	5,100	2,091	0.41	1.812
26	18	4,900	3,969	0.81	1.480	4,500	3,645	0.81	1.570	4,150	3,362	0.81	1.631
26	20	5,150	3,554	0.69	1.540	4,800	3,312	0.69	1.616	4,450	3,071	0.69	1.706
26	22	5,450	3,107	0.57	1.601	5,100	2,907	0.57	1.691	4,750	2,708	0.57	1.752
26	24	5,750	2,588	0.45	1.661	5,400	2,430	0.45	1.737	5,100	2,295	0.45	1.812
26	26	6,050	1,997	0.33	1.721	5,700	1,881	0.33	1.797	5,350	1,766	0.33	1.872
27	18	4,900	4,165	0.85	1.480	4,500	3,825	0.85	1.570	4,150	3,528	0.85	1.631
27	20	5,150	3,760	0.73	1.540	4,800	3,504	0.73	1.616	4,450	3,249	0.73	1.706
27	22	5,450	3,325	0.61	1.601	5,100	3,111	0.61	1.691	4,750	2,898	0.61	1.752
27	24	5,750	2,818	0.49	1.661	5,400	2,646	0.49	1.737	5,100	2,499	0.49	1.812
27	26	6,050	2,239	0.37	1.721	5,700	2,109	0.37	1.797	5,350	1,980	0.37	1.872
28	18	4,900	4,361	0.89	1.480	4,500	4,005	0.89	1.570	4,150	3,694	0.89	1.631
28	20	5,150	3,966	0.77	1.540	4,800	3,696	0.77	1.616	4,450	3,427	0.77	1.706
28	22	5,450	3,543	0.65	1.601	5,100	3,315	0.65	1.691	4,750	3,088	0.65	1.752
28	24	5,750	3,048	0.53	1.661	5,400	2,862	0.53	1.737	5,100	2,703	0.53	1.812
28	26	6,050	2,481	0.41	1.721	5,700	2,337	0.41	1.797	5,350	2,194	0.41	1.872
29	18	4,900	4,557	0.93	1.480	4,500	4,185	0.93	1.570	4,150	3,860	0.93	1.631
29	20	5,150	4,172	0.81	1.540	4,800	3,888	0.81	1.616	4,450	3,605	0.81	1.706
29	22	5,450	3,761	0.69	1.601	5,100	3,519	0.69	1.691	4,750	3,278	0.69	1.752
29	24	5,750	3,278	0.57	1.661	5,400	3,078	0.57	1.737	5,100	2,907	0.57	1.812
29	26	6,050	2,723	0.45	1.721	5,700	2,565	0.45	1.797	5,350	2,408	0.45	1.872
30	18	4,900	4,753	0.97	1.480	4,500	4,365	0.97	1.570	4,150	4,026	0.97	1.631
30	20	5,150	4,378	0.85	1.540	4,800	4,080	0.85	1.616	4,450	3,783	0.85	1.706
30	22	5,450	3,979	0.73	1.601	5,100	3,723	0.73	1.691	4,750	3,468	0.73	1.752
30	24	5,750	3,508	0.61	1.661	5,400	3,294	0.61	1.737	5,100	3,111	0.61	1.812
30	26	6,050	2,965	0.49	1.721	5,700	2,793	0.49	1.797	5,350	2,622	0.49	1.872
31	18	4,900	4,949	1.01	1.480	4,500	4,545	1.01	1.570	4,150	4,192	1.01	1.631
31	20	5,150	4,584	0.89	1.540	4,800	4,272	0.89	1.616	4,450	3,961	0.89	1.706
31	22	5,450	4,197	0.77	1.601	5,100	3,927	0.77	1.691	4,750	3,658	0.77	1.752
31	24	5,750	3,738	0.65	1.661	5,400	3,510	0.65	1.737	5,100	3,315	0.65	1.812
31	26	6,050	3,207	0.53	1.721	5,700	3,021	0.53	1.797	5,350	2,836	0.53	1.872
32	18	4,900	5,145	1.05	1.480	4,500	4,725	1.05	1.570	4,150	4,358	1.05	1.631
32	20	5,150	4,790	0.93	1.540	4,800	4,464	0.93	1.616	4,450	4,139	0.93	1.706
32	22	5,450	4,415	0.81	1.601	5,100	4,131	0.81	1.691	4,750	3,848	0.81	1.752
32	24	5,750	3,968	0.69	1.661	5,400	3,726	0.69	1.737	5,100	3,519	0.69	1.812
32	26	6,050	3,449	0.57	1.721	5,700	3,249	0.57	1.797	5,350	3,050	0.57	1.872

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M60KA / SUZ-M60VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃															
		21				25				27				30			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
21	18	7,168	4,516	0.63	1.312	6,863	4,323	0.63	1.378	6,588	4,150	0.63	1.443	6,344	3,997	0.63	1.509
21	20	7,473	3,811	0.51	1.378	7,168	3,655	0.51	1.460	6,954	3,547	0.51	1.492	6,710	3,422	0.51	1.558
22	18	7,168	4,802	0.67	1.312	6,863	4,598	0.67	1.378	6,588	4,414	0.67	1.443	6,344	4,250	0.67	1.509
22	20	7,473	4,110	0.55	1.378	7,168	3,942	0.55	1.460	6,954	3,825	0.55	1.492	6,710	3,691	0.55	1.558
22	22	7,778	3,344	0.43	1.427	7,503	3,226	0.43	1.517	7,320	3,148	0.43	1.558	7,015	3,016	0.43	1.624
23	18	7,168	5,089	0.71	1.312	6,863	4,872	0.71	1.378	6,588	4,677	0.71	1.443	6,344	4,504	0.71	1.509
23	20	7,473	4,409	0.59	1.378	7,168	4,229	0.59	1.460	6,954	4,103	0.59	1.492	6,710	3,959	0.59	1.558
23	22	7,778	3,655	0.47	1.427	7,503	3,526	0.47	1.517	7,320	3,440	0.47	1.558	7,015	3,297	0.47	1.624
24	18	7,168	5,376	0.75	1.312	6,863	5,147	0.75	1.378	6,588	4,941	0.75	1.443	6,344	4,758	0.75	1.509
24	20	7,473	4,708	0.63	1.378	7,168	4,516	0.63	1.460	6,954	4,381	0.63	1.492	6,710	4,227	0.63	1.558
24	22	7,778	3,967	0.51	1.427	7,503	3,827	0.51	1.517	7,320	3,733	0.51	1.558	7,015	3,578	0.51	1.624
24	24	8,174	3,188	0.39	1.492	7,869	3,069	0.39	1.574	7,686	2,998	0.39	1.624	7,442	2,902	0.39	1.706
25	20	7,473	5,007	0.67	1.378	7,168	4,802	0.67	1.460	6,954	4,659	0.67	1.492	6,710	4,496	0.67	1.558
25	22	7,778	4,278	0.55	1.427	7,503	4,127	0.55	1.517	7,320	4,026	0.55	1.558	7,015	3,858	0.55	1.624
25	24	8,174	3,515	0.43	1.492	7,869	3,384	0.43	1.574	7,686	3,305	0.43	1.624	7,442	3,200	0.43	1.706
26	18	7,168	5,949	0.83	1.312	6,863	5,696	0.83	1.378	6,588	5,468	0.83	1.443	6,344	5,266	0.83	1.509
26	20	7,473	5,305	0.71	1.378	7,168	5,089	0.71	1.460	6,954	4,937	0.71	1.492	6,710	4,764	0.71	1.558
26	22	7,778	4,589	0.59	1.427	7,503	4,427	0.59	1.517	7,320	4,319	0.59	1.558	7,015	4,139	0.59	1.624
26	24	8,174	3,842	0.47	1.492	7,869	3,698	0.47	1.574	7,686	3,612	0.47	1.624	7,442	3,498	0.47	1.706
26	26	8,418	2,946	0.35	1.574	8,174	2,861	0.35	1.656	8,052	2,818	0.35	1.706	7,808	2,733	0.35	1.755
27	18	7,168	6,236	0.87	1.312	6,863	5,970	0.87	1.378	6,588	5,732	0.87	1.443	6,344	5,519	0.87	1.509
27	20	7,473	5,604	0.75	1.378	7,168	5,376	0.75	1.460	6,954	5,216	0.75	1.492	6,710	5,033	0.75	1.558
27	22	7,778	4,900	0.63	1.427	7,503	4,727	0.63	1.517	7,320	4,612	0.63	1.558	7,015	4,419	0.63	1.624
27	24	8,174	4,169	0.51	1.492	7,869	4,013	0.51	1.574	7,686	3,920	0.51	1.624	7,442	3,795	0.51	1.706
27	26	8,418	3,283	0.39	1.574	8,174	3,188	0.39	1.656	8,052	3,140	0.39	1.706	7,808	3,045	0.39	1.755
28	18	7,168	6,522	0.91	1.312	6,863	6,245	0.91	1.378	6,588	5,995	0.91	1.443	6,344	5,773	0.91	1.509
28	20	7,473	5,903	0.79	1.378	7,168	5,662	0.79	1.460	6,954	5,494	0.79	1.492	6,710	5,301	0.79	1.558
28	22	7,778	5,211	0.67	1.427	7,503	5,027	0.67	1.517	7,320	4,904	0.67	1.558	7,015	4,700	0.67	1.624
28	24	8,174	4,496	0.55	1.492	7,869	4,328	0.55	1.574	7,686	4,227	0.55	1.624	7,442	4,093	0.55	1.706
28	26	8,418	3,620	0.43	1.574	8,174	3,515	0.43	1.656	8,052	3,462	0.43	1.706	7,808	3,357	0.43	1.755
29	18	7,168	6,809	0.95	1.312	6,863	6,519	0.95	1.378	6,588	6,259	0.95	1.443	6,344	6,027	0.95	1.509
29	20	7,473	6,202	0.83	1.378	7,168	5,949	0.83	1.460	6,954	5,772	0.83	1.492	6,710	5,569	0.83	1.558
29	22	7,778	5,522	0.71	1.427	7,503	5,327	0.71	1.517	7,320	5,197	0.71	1.558	7,015	4,981	0.71	1.624
29	24	8,174	4,823	0.59	1.492	7,869	4,643	0.59	1.574	7,686	4,535	0.59	1.624	7,442	4,391	0.59	1.706
29	26	8,418	3,956	0.47	1.574	8,174	3,842	0.47	1.656	8,052	3,784	0.47	1.706	7,808	3,670	0.47	1.755
30	18	7,168	7,096	0.99	1.312	6,863	6,794	0.99	1.378	6,588	6,522	0.99	1.443	6,344	6,281	0.99	1.509
30	20	7,473	6,501	0.87	1.378	7,168	6,236	0.87	1.460	6,954	6,050	0.87	1.492	6,710	5,838	0.87	1.558
30	22	7,778	5,833	0.75	1.427	7,503	5,627	0.75	1.517	7,320	5,490	0.75	1.558	7,015	5,261	0.75	1.624
30	24	8,174	5,150	0.63	1.492	7,869	4,957	0.63	1.574	7,686	4,842	0.63	1.624	7,442	4,688	0.63	1.706
30	26	8,418	4,293	0.51	1.574	8,174	4,169	0.51	1.656	8,052	4,107	0.51	1.706	7,808	3,982	0.51	1.755
31	18	7,168	7,383	1.03	1.312	6,863	7,068	1.03	1.378	6,588	6,786	1.03	1.443	6,344	6,534	1.03	1.509
31	20	7,473	6,800	0.91	1.378	7,168	6,522	0.91	1.460	6,954	6,328	0.91	1.492	6,710	6,106	0.91	1.558
31	22	7,778	6,144	0.79	1.427	7,503	5,927	0.79	1.517	7,320	5,783	0.79	1.558	7,015	5,542	0.79	1.624
31	24	8,174	5,477	0.67	1.492	7,869	5,272	0.67	1.574	7,686	5,150	0.67	1.624	7,442	4,986	0.67	1.706
31	26	8,418	4,630	0.55	1.574	8,174	4,496	0.55	1.656	8,052	4,429	0.55	1.706	7,808	4,294	0.55	1.755
32	18	7,168	7,669	1.07	1.312	6,863	7,343	1.07	1.378	6,588	7,049	1.07	1.443	6,344	6,788	1.07	1.509
32	20	7,473	7,099	0.95	1.378	7,168	6,809	0.95	1.460	6,954	6,606	0.95	1.492	6,710	6,375	0.95	1.558
32	22	7,778	6,455	0.83	1.427	7,503	6,227	0.83	1.517	7,320	6,076	0.83	1.558	7,015	5,822	0.83	1.624
32	24	8,174	5,804	0.71	1.492	7,869	5,587	0.71	1.574	7,686	5,457	0.71	1.624	7,442	5,284	0.71	1.706
32	26	8,418	4,967	0.59	1.574	8,174	4,823	0.59	1.656	8,052	4,751	0.59	1.706	7,808	4,607	0.59	1.755

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M60KA / SUZ-M60VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
21	18	5,978	3,766	0.63	1.607	5,490	3,459	0.63	1.706	5,063	3,190	0.63	1.771
21	20	6,283	3,204	0.51	1.673	5,856	2,987	0.51	1.755	5,429	2,769	0.51	1.853
22	18	5,978	4,005	0.67	1.607	5,490	3,678	0.67	1.706	5,063	3,392	0.67	1.771
22	20	6,283	3,456	0.55	1.673	5,856	3,221	0.55	1.755	5,429	2,986	0.55	1.853
22	22	6,649	2,859	0.43	1.738	6,222	2,675	0.43	1.837	5,795	2,492	0.43	1.902
23	18	5,978	4,244	0.71	1.607	5,490	3,898	0.71	1.706	5,063	3,595	0.71	1.771
23	20	6,283	3,707	0.59	1.673	5,856	3,455	0.59	1.755	5,429	3,203	0.59	1.853
23	22	6,649	3,125	0.47	1.738	6,222	2,924	0.47	1.837	5,795	2,724	0.47	1.902
24	18	5,978	4,484	0.75	1.607	5,490	4,118	0.75	1.706	5,063	3,797	0.75	1.771
24	20	6,283	3,958	0.63	1.673	5,856	3,689	0.63	1.755	5,429	3,420	0.63	1.853
24	22	6,649	3,391	0.51	1.738	6,222	3,173	0.51	1.837	5,795	2,955	0.51	1.902
24	24	7,015	2,736	0.39	1.804	6,588	2,569	0.39	1.886	6,222	2,427	0.39	1.968
25	20	6,283	4,210	0.67	1.673	5,856	3,924	0.67	1.755	5,429	3,637	0.67	1.853
25	22	6,649	3,657	0.55	1.738	6,222	3,422	0.55	1.837	5,795	3,187	0.55	1.902
25	24	7,015	3,016	0.43	1.804	6,588	2,833	0.43	1.886	6,222	2,675	0.43	1.968
26	18	5,978	4,962	0.83	1.607	5,490	4,557	0.83	1.706	5,063	4,202	0.83	1.771
26	20	6,283	4,461	0.71	1.673	5,856	4,158	0.71	1.755	5,429	3,855	0.71	1.853
26	22	6,649	3,923	0.59	1.738	6,222	3,671	0.59	1.837	5,795	3,419	0.59	1.902
26	24	7,015	3,297	0.47	1.804	6,588	3,096	0.47	1.886	6,222	2,924	0.47	1.968
26	26	7,381	2,583	0.35	1.870	6,954	2,434	0.35	1.952	6,527	2,284	0.35	2.034
27	18	5,978	5,201	0.87	1.607	5,490	4,776	0.87	1.706	5,063	4,405	0.87	1.771
27	20	6,283	4,712	0.75	1.673	5,856	4,392	0.75	1.755	5,429	4,072	0.75	1.853
27	22	6,649	4,189	0.63	1.738	6,222	3,920	0.63	1.837	5,795	3,651	0.63	1.902
27	24	7,015	3,578	0.51	1.804	6,588	3,360	0.51	1.886	6,222	3,173	0.51	1.968
27	26	7,381	2,879	0.39	1.870	6,954	2,712	0.39	1.952	6,527	2,546	0.39	2.034
28	18	5,978	5,440	0.91	1.607	5,490	4,996	0.91	1.706	5,063	4,607	0.91	1.771
28	20	6,283	4,964	0.79	1.673	5,856	4,626	0.79	1.755	5,429	4,289	0.79	1.853
28	22	6,649	4,455	0.67	1.738	6,222	4,169	0.67	1.837	5,795	3,883	0.67	1.902
28	24	7,015	3,858	0.55	1.804	6,588	3,623	0.55	1.886	6,222	3,422	0.55	1.968
28	26	7,381	3,174	0.43	1.870	6,954	2,990	0.43	1.952	6,527	2,807	0.43	2.034
29	18	5,978	5,679	0.95	1.607	5,490	5,216	0.95	1.706	5,063	4,810	0.95	1.771
29	20	6,283	5,215	0.83	1.673	5,856	4,860	0.83	1.755	5,429	4,506	0.83	1.853
29	22	6,649	4,721	0.71	1.738	6,222	4,418	0.71	1.837	5,795	4,114	0.71	1.902
29	24	7,015	4,139	0.59	1.804	6,588	3,887	0.59	1.886	6,222	3,671	0.59	1.968
29	26	7,381	3,469	0.47	1.870	6,954	3,268	0.47	1.952	6,527	3,068	0.47	2.034
30	18	5,978	5,918	0.99	1.607	5,490	5,435	0.99	1.706	5,063	5,012	0.99	1.771
30	20	6,283	5,466	0.87	1.673	5,856	5,095	0.87	1.755	5,429	4,723	0.87	1.853
30	22	6,649	4,987	0.75	1.738	6,222	4,667	0.75	1.837	5,795	4,346	0.75	1.902
30	24	7,015	4,419	0.63	1.804	6,588	4,150	0.63	1.886	6,222	3,920	0.63	1.968
30	26	7,381	3,764	0.51	1.870	6,954	3,547	0.51	1.952	6,527	3,329	0.51	2.034
31	18	5,978	6,157	1.03	1.607	5,490	5,655	1.03	1.706	5,063	5,215	1.03	1.771
31	20	6,283	5,718	0.91	1.673	5,856	5,329	0.91	1.755	5,429	4,940	0.91	1.853
31	22	6,649	5,253	0.79	1.738	6,222	4,915	0.79	1.837	5,795	4,578	0.79	1.902
31	24	7,015	4,700	0.67	1.804	6,588	4,414	0.67	1.886	6,222	4,169	0.67	1.968
31	26	7,381	4,060	0.55	1.870	6,954	3,825	0.55	1.952	6,527	3,590	0.55	2.034
32	18	5,978	6,396	1.07	1.607	5,490	5,874	1.07	1.706	5,063	5,417	1.07	1.771
32	20	6,283	5,969	0.95	1.673	5,856	5,563	0.95	1.755	5,429	5,158	0.95	1.853
32	22	6,649	5,519	0.83	1.738	6,222	5,164	0.83	1.837	5,795	4,810	0.83	1.902
32	24	7,015	4,981	0.71	1.804	6,588	4,677	0.71	1.886	6,222	4,418	0.71	1.968
32	26	7,381	4,355	0.59	1.870	6,954	4,103	0.59	1.952	6,527	3,851	0.59	2.034

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M71KA / SUZ-M71VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 21				25				27				30			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
21	18	8,343	4,839	0.58	1.576	7,988	4,633	0.58	1.655	7,668	4,447	0.58	1.734	7,384	4,283	0.58	1.812
21	20	8,698	4,001	0.46	1.655	8,343	3,838	0.46	1.753	8,094	3,723	0.46	1.793	7,810	3,593	0.46	1.872
22	18	8,343	5,172	0.62	1.576	7,988	4,952	0.62	1.655	7,668	4,754	0.62	1.734	7,384	4,578	0.62	1.812
22	20	8,698	4,349	0.50	1.655	8,343	4,171	0.50	1.753	8,094	4,047	0.50	1.793	7,810	3,905	0.50	1.872
22	22	9,053	3,440	0.38	1.714	8,733	3,319	0.38	1.822	8,520	3,238	0.38	1.872	8,165	3,103	0.38	1.950
23	18	8,343	5,506	0.66	1.576	7,988	5,272	0.66	1.655	7,668	5,061	0.66	1.734	7,384	4,873	0.66	1.812
23	20	8,698	4,697	0.54	1.655	8,343	4,505	0.54	1.753	8,094	4,371	0.54	1.793	7,810	4,217	0.54	1.872
23	22	9,053	3,802	0.42	1.714	8,733	3,668	0.42	1.822	8,520	3,578	0.42	1.872	8,165	3,429	0.42	1.950
24	18	8,343	5,840	0.70	1.576	7,988	5,591	0.70	1.655	7,668	5,368	0.70	1.734	7,384	5,169	0.70	1.812
24	20	8,698	5,045	0.58	1.655	8,343	4,839	0.58	1.753	8,094	4,695	0.58	1.793	7,810	4,530	0.58	1.872
24	22	9,053	4,164	0.46	1.714	8,733	4,017	0.46	1.822	8,520	3,919	0.46	1.872	8,165	3,756	0.46	1.950
24	24	9,514	3,235	0.34	1.793	9,159	3,114	0.34	1.891	8,946	3,042	0.34	1.950	8,662	2,945	0.34	2.049
25	20	8,698	5,392	0.62	1.655	8,343	5,172	0.62	1.753	8,094	5,018	0.62	1.793	7,810	4,842	0.62	1.872
25	22	9,053	4,526	0.50	1.714	8,733	4,367	0.50	1.822	8,520	4,260	0.50	1.872	8,165	4,083	0.50	1.950
25	24	9,514	3,615	0.38	1.793	9,159	3,480	0.38	1.891	8,946	3,399	0.38	1.950	8,662	3,292	0.38	2.049
26	18	8,343	6,507	0.78	1.576	7,988	6,230	0.78	1.655	7,668	5,981	0.78	1.734	7,384	5,760	0.78	1.812
26	20	8,698	5,740	0.66	1.655	8,343	5,506	0.66	1.753	8,094	5,342	0.66	1.793	7,810	5,155	0.66	1.872
26	22	9,053	4,888	0.54	1.714	8,733	4,716	0.54	1.822	8,520	4,601	0.54	1.872	8,165	4,409	0.54	1.950
26	24	9,514	3,996	0.42	1.793	9,159	3,847	0.42	1.891	8,946	3,757	0.42	1.950	8,662	3,638	0.42	2.049
26	26	9,798	2,939	0.30	1.891	9,514	2,854	0.30	1.990	9,372	2,812	0.30	2.049	9,088	2,726	0.30	2.108
27	18	8,343	6,841	0.82	1.576	7,988	6,550	0.82	1.655	7,668	6,288	0.82	1.734	7,384	6,055	0.82	1.812
27	20	8,698	6,088	0.70	1.655	8,343	5,840	0.70	1.753	8,094	5,666	0.70	1.793	7,810	5,467	0.70	1.872
27	22	9,053	5,250	0.58	1.714	8,733	5,065	0.58	1.822	8,520	4,942	0.58	1.872	8,165	4,736	0.58	1.950
27	24	9,514	4,376	0.46	1.793	9,159	4,213	0.46	1.891	8,946	4,115	0.46	1.950	8,662	3,985	0.46	2.049
27	26	9,798	3,331	0.34	1.891	9,514	3,235	0.34	1.990	9,372	3,186	0.34	2.049	9,088	3,090	0.34	2.108
28	18	8,343	7,175	0.86	1.576	7,988	6,869	0.86	1.655	7,668	6,594	0.86	1.734	7,384	6,350	0.86	1.812
28	20	8,698	6,436	0.74	1.655	8,343	6,173	0.74	1.753	8,094	5,990	0.74	1.793	7,810	5,779	0.74	1.872
28	22	9,053	5,613	0.62	1.714	8,733	5,414	0.62	1.822	8,520	5,282	0.62	1.872	8,165	5,062	0.62	1.950
28	24	9,514	4,757	0.50	1.793	9,159	4,580	0.50	1.891	8,946	4,473	0.50	1.950	8,662	4,331	0.50	2.049
28	26	9,798	3,723	0.38	1.891	9,514	3,615	0.38	1.990	9,372	3,561	0.38	2.049	9,088	3,453	0.38	2.108
29	18	8,343	7,508	0.90	1.576	7,988	7,189	0.90	1.655	7,668	6,901	0.90	1.734	7,384	6,646	0.90	1.812
29	20	8,698	6,784	0.78	1.655	8,343	6,507	0.78	1.753	8,094	6,313	0.78	1.793	7,810	6,092	0.78	1.872
29	22	9,053	5,975	0.66	1.714	8,733	5,764	0.66	1.822	8,520	5,623	0.66	1.872	8,165	5,389	0.66	1.950
29	24	9,514	5,138	0.54	1.793	9,159	4,946	0.54	1.891	8,946	4,831	0.54	1.950	8,662	4,677	0.54	2.049
29	26	9,798	4,115	0.42	1.891	9,514	3,996	0.42	1.990	9,372	3,936	0.42	2.049	9,088	3,817	0.42	2.108
30	18	8,343	7,842	0.94	1.576	7,988	7,508	0.94	1.655	7,668	7,208	0.94	1.734	7,384	6,941	0.94	1.812
30	20	8,698	7,132	0.82	1.655	8,343	6,841	0.82	1.753	8,094	6,637	0.82	1.793	7,810	6,404	0.82	1.872
30	22	9,053	6,337	0.70	1.714	8,733	6,113	0.70	1.822	8,520	5,964	0.70	1.872	8,165	5,716	0.70	1.950
30	24	9,514	5,518	0.58	1.793	9,159	5,312	0.58	1.891	8,946	5,189	0.58	1.950	8,662	5,024	0.58	2.049
30	26	9,798	4,507	0.46	1.891	9,514	4,376	0.46	1.990	9,372	4,311	0.46	2.049	9,088	4,180	0.46	2.108
31	18	8,343	8,176	0.98	1.576	7,988	7,828	0.98	1.655	7,668	7,515	0.98	1.734	7,384	7,236	0.98	1.812
31	20	8,698	7,480	0.86	1.655	8,343	7,175	0.86	1.753	8,094	6,961	0.86	1.793	7,810	6,717	0.86	1.872
31	22	9,053	6,699	0.74	1.714	8,733	6,462	0.74	1.822	8,520	6,305	0.74	1.872	8,165	6,042	0.74	1.950
31	24	9,514	5,899	0.62	1.793	9,159	5,679	0.62	1.891	8,946	5,547	0.62	1.950	8,662	5,370	0.62	2.049
31	26	9,798	4,899	0.50	1.891	9,514	4,757	0.50	1.990	9,372	4,686	0.50	2.049	9,088	4,544	0.50	2.108
32	18	8,343	8,509	1.02	1.576	7,988	8,147	1.02	1.655	7,668	7,821	1.02	1.734	7,384	7,532	1.02	1.812
32	20	8,698	7,828	0.90	1.655	8,343	7,508	0.90	1.753	8,094	7,285	0.90	1.793	7,810	7,029	0.90	1.872
32	22	9,053	7,061	0.78	1.714	8,733	6,812	0.78	1.822	8,520	6,646	0.78	1.872	8,165	6,369	0.78	1.950
32	24	9,514	6,279	0.66	1.793	9,159	6,045	0.66	1.891	8,946	5,904	0.66	1.950	8,662	5,717	0.66	2.049
32	26	9,798	5,291	0.54	1.891	9,514	5,138	0.54	1.990	9,372	5,061	0.54	2.049	9,088	4,908	0.54	2.108

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M71KA / SUZ-M71VA

Indoor intake air D.B.(℃)	Indoor intake air D.B.(℃)	Outdoor intake air DB: 35				40				46			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
21	18	6,958	4,036	0.58	1.931	6,390	3,706	0.58	2.049	5,893	3,418	0.58	2.128
21	20	7,313	3,364	0.46	2.009	6,816	3,135	0.46	2.108	6,319	2,907	0.46	2.226
22	18	6,958	4,314	0.62	1.931	6,390	3,962	0.62	2.049	5,893	3,654	0.62	2.128
22	20	7,313	3,657	0.50	2.009	6,816	3,408	0.50	2.108	6,319	3,160	0.50	2.226
22	22	7,739	2,941	0.38	2.088	7,242	2,752	0.38	2.206	6,745	2,563	0.38	2.285
23	18	6,958	4,592	0.66	1.931	6,390	4,217	0.66	2.049	5,893	3,889	0.66	2.128
23	20	7,313	3,949	0.54	2.009	6,816	3,681	0.54	2.108	6,319	3,412	0.54	2.226
23	22	7,739	3,250	0.42	2.088	7,242	3,042	0.42	2.206	6,745	2,833	0.42	2.285
24	18	6,958	4,871	0.70	1.931	6,390	4,473	0.70	2.049	5,893	4,125	0.70	2.128
24	20	7,313	4,242	0.58	2.009	6,816	3,953	0.58	2.108	6,319	3,665	0.58	2.226
24	22	7,739	3,560	0.46	2.088	7,242	3,331	0.46	2.206	6,745	3,103	0.46	2.285
24	24	8,165	2,776	0.34	2.167	7,668	2,607	0.34	2.266	7,242	2,462	0.34	2.364
25	20	7,313	4,534	0.62	2.009	6,816	4,226	0.62	2.108	6,319	3,918	0.62	2.226
25	22	7,739	3,870	0.50	2.088	7,242	3,621	0.50	2.206	6,745	3,373	0.50	2.285
25	24	8,165	3,103	0.38	2.167	7,668	2,914	0.38	2.266	7,242	2,752	0.38	2.364
26	18	6,958	5,427	0.78	1.931	6,390	4,984	0.78	2.049	5,893	4,597	0.78	2.128
26	20	7,313	4,827	0.66	2.009	6,816	4,499	0.66	2.108	6,319	4,171	0.66	2.226
26	22	7,739	4,179	0.54	2.088	7,242	3,911	0.54	2.206	6,745	3,642	0.54	2.285
26	24	8,165	3,429	0.42	2.167	7,668	3,221	0.42	2.266	7,242	3,042	0.42	2.364
26	26	8,591	2,577	0.30	2.246	8,094	2,428	0.30	2.344	7,597	2,279	0.30	2.443
27	18	6,958	5,706	0.82	1.931	6,390	5,240	0.82	2.049	5,893	4,832	0.82	2.128
27	20	7,313	5,119	0.70	2.009	6,816	4,771	0.70	2.108	6,319	4,423	0.70	2.226
27	22	7,739	4,489	0.58	2.088	7,242	4,200	0.58	2.206	6,745	3,912	0.58	2.285
27	24	8,165	3,756	0.46	2.167	7,668	3,527	0.46	2.266	7,242	3,331	0.46	2.364
27	26	8,591	2,921	0.34	2.246	8,094	2,752	0.34	2.344	7,597	2,583	0.34	2.443
28	18	6,958	5,984	0.86	1.931	6,390	5,495	0.86	2.049	5,893	5,068	0.86	2.128
28	20	7,313	5,412	0.74	2.009	6,816	5,044	0.74	2.108	6,319	4,676	0.74	2.226
28	22	7,739	4,798	0.62	2.088	7,242	4,490	0.62	2.206	6,745	4,182	0.62	2.285
28	24	8,165	4,083	0.50	2.167	7,668	3,834	0.50	2.266	7,242	3,621	0.50	2.364
28	26	8,591	3,265	0.38	2.246	8,094	3,076	0.38	2.344	7,597	2,887	0.38	2.443
29	18	6,958	6,262	0.90	1.931	6,390	5,751	0.90	2.049	5,893	5,304	0.90	2.128
29	20	7,313	5,704	0.78	2.009	6,816	5,316	0.78	2.108	6,319	4,929	0.78	2.226
29	22	7,739	5,108	0.66	2.088	7,242	4,780	0.66	2.206	6,745	4,452	0.66	2.285
29	24	8,165	4,409	0.54	2.167	7,668	4,141	0.54	2.266	7,242	3,911	0.54	2.364
29	26	8,591	3,608	0.42	2.246	8,094	3,399	0.42	2.344	7,597	3,191	0.42	2.443
30	18	6,958	6,541	0.94	1.931	6,390	6,007	0.94	2.049	5,893	5,539	0.94	2.128
30	20	7,313	5,997	0.82	2.009	6,816	5,589	0.82	2.108	6,319	5,182	0.82	2.226
30	22	7,739	5,417	0.70	2.088	7,242	5,069	0.70	2.206	6,745	4,722	0.70	2.285
30	24	8,165	4,736	0.58	2.167	7,668	4,447	0.58	2.266	7,242	4,200	0.58	2.364
30	26	8,591	3,952	0.46	2.246	8,094	3,723	0.46	2.344	7,597	3,495	0.46	2.443
31	18	6,958	6,819	0.98	1.931	6,390	6,262	0.98	2.049	5,893	5,775	0.98	2.128
31	20	7,313	6,289	0.86	2.009	6,816	5,862	0.86	2.108	6,319	5,434	0.86	2.226
31	22	7,739	5,727	0.74	2.088	7,242	5,359	0.74	2.206	6,745	4,991	0.74	2.285
31	24	8,165	5,062	0.62	2.167	7,668	4,754	0.62	2.266	7,242	4,490	0.62	2.364
31	26	8,591	4,296	0.50	2.246	8,094	4,047	0.50	2.344	7,597	3,799	0.50	2.443
32	18	6,958	7,097	1.02	1.931	6,390	6,518	1.02	2.049	5,893	6,011	1.02	2.128
32	20	7,313	6,582	0.90	2.009	6,816	6,134	0.90	2.108	6,319	5,687	0.90	2.226
32	22	7,739	6,036	0.78	2.088	7,242	5,649	0.78	2.206	6,745	5,261	0.78	2.285
32	24	8,165	5,389	0.66	2.167	7,668	5,061	0.66	2.266	7,242	4,780	0.66	2.364
32	26	8,591	4,639	0.54	2.246	8,094	4,371	0.54	2.344	7,597	4,102	0.54	2.443

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M100KA / PUZ-M100VKA PUZ-M100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	6,301	0.67	2.35	9,120	6,110	0.67	2.48	8,835	5,919	0.67	2.63
20	18	10,070	5,539	0.55	2.40	9,785	5,382	0.55	2.53	9,453	5,199	0.55	2.70
20	20	10,830	4,657	0.43	2.47	10,593	4,555	0.43	2.59	10,308	4,432	0.43	2.76
22	16	9,405	7,054	0.75	2.35	9,120	6,840	0.75	2.48	8,835	6,626	0.75	2.63
22	18	10,070	6,344	0.63	2.40	9,785	6,165	0.63	2.53	9,453	5,955	0.63	2.70
22	20	10,830	5,523	0.51	2.47	10,593	5,402	0.51	2.59	10,308	5,257	0.51	2.76
24	16	9,405	7,806	0.83	2.35	9,120	7,570	0.83	2.48	8,835	7,333	0.83	2.63
24	18	10,070	7,150	0.71	2.40	9,785	6,947	0.71	2.53	9,453	6,711	0.71	2.70
24	20	10,830	6,390	0.59	2.47	10,593	6,250	0.59	2.59	10,308	6,081	0.59	2.76
24	22	11,543	5,425	0.47	2.53	11,305	5,313	0.47	2.68	11,020	5,179	0.47	2.85
26	16	9,405	8,559	0.91	2.35	9,120	8,299	0.91	2.48	8,835	8,040	0.91	2.63
26	18	10,070	7,955	0.79	2.40	9,785	7,730	0.79	2.53	9,453	7,467	0.79	2.70
26	20	10,830	7,256	0.67	2.47	10,593	7,097	0.67	2.59	10,308	6,906	0.67	2.76
26	22	11,543	6,348	0.55	2.53	11,305	6,218	0.55	2.68	11,020	6,061	0.55	2.85
27	16	9,405	8,935	0.95	2.35	9,120	8,664	0.95	2.48	8,835	8,393	0.95	2.63
27	18	10,070	8,358	0.83	2.40	9,785	8,122	0.83	2.53	9,453	7,846	0.83	2.70
27	20	10,830	7,689	0.71	2.47	10,593	7,521	0.71	2.59	10,308	7,318	0.71	2.76
27	22	11,543	6,810	0.59	2.53	11,305	6,670	0.59	2.68	11,020	6,502	0.59	2.85
28	16	9,405	9,311	0.99	2.35	9,120	9,029	0.99	2.48	8,835	8,747	0.99	2.63
28	18	10,070	8,761	0.87	2.40	9,785	8,513	0.87	2.53	9,453	8,224	0.87	2.70
28	20	10,830	8,123	0.75	2.47	10,593	7,944	0.75	2.59	10,308	7,731	0.75	2.76
28	22	11,543	7,272	0.63	2.53	11,305	7,122	0.63	2.68	11,020	6,943	0.63	2.85
30	16	9,405	9,405	1.00	2.35	9,120	9,120	1.00	2.48	8,835	8,835	1.00	2.63
30	18	10,070	9,567	0.95	2.40	9,785	9,296	0.95	2.53	9,453	8,980	0.95	2.70
30	20	10,830	8,989	0.83	2.47	10,593	8,792	0.83	2.59	10,308	8,555	0.83	2.76
30	22	11,543	8,195	0.71	2.53	11,305	8,027	0.71	2.68	11,020	7,824	0.71	2.85
32	16	9,405	9,405	1.00	2.35	9,120	9,120	1.00	2.48	8,835	8,835	1.00	2.63
32	18	10,070	10,070	1.00	2.40	9,785	9,785	1.00	2.53	9,453	9,453	1.00	2.70
32	20	10,830	9,855	0.91	2.47	10,593	9,639	0.91	2.59	10,308	9,380	0.91	2.76
32	22	11,543	9,119	0.79	2.53	11,305	8,931	0.79	2.68	11,020	8,706	0.79	2.85
34	16	9,405	9,405	1.00	2.35	9,120	9,120	1.00	2.48	8,835	8,835	1.00	2.63
34	18	10,070	10,070	1.00	2.40	9,785	9,785	1.00	2.53	9,453	9,453	1.00	2.70
34	20	10,830	10,722	0.99	2.47	10,593	10,487	0.99	2.59	10,308	10,204	0.99	2.76
34	22	11,543	10,042	0.87	2.53	11,305	9,835	0.87	2.68	11,020	9,587	0.87	2.85

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	5,665	0.67	2.82	8,075	5,410	0.67	3.03	7,695	5,156	0.67	3.28
20	18	9,120	5,016	0.55	2.90	8,835	4,859	0.55	3.12	8,265	4,546	0.55	3.35
20	20	9,880	4,248	0.43	2.97	9,500	4,085	0.43	3.18	8,930	3,840	0.43	3.41
22	16	8,455	6,341	0.75	2.82	8,075	6,056	0.75	3.03	7,695	5,771	0.75	3.28
22	18	9,120	5,746	0.63	2.90	8,835	5,566	0.63	3.12	8,265	5,207	0.63	3.35
22	20	9,880	5,039	0.51	2.97	9,500	4,845	0.51	3.18	8,930	4,554	0.51	3.41
24	16	8,455	7,018	0.83	2.82	8,075	6,702	0.83	3.03	7,695	6,387	0.83	3.28
24	18	9,120	6,475	0.71	2.90	8,835	6,273	0.71	3.12	8,265	5,868	0.71	3.35
24	20	9,880	5,829	0.59	2.97	9,500	5,605	0.59	3.18	8,930	5,269	0.59	3.41
24	22	10,640	5,001	0.47	3.03	10,260	4,822	0.47	3.26	9,690	4,554	0.47	3.47
26	16	8,455	7,694	0.91	2.82	8,075	7,348	0.91	3.03	7,695	7,002	0.91	3.28
26	18	9,120	7,205	0.79	2.90	8,835	6,980	0.79	3.12	8,265	6,529	0.79	3.35
26	20	9,880	6,620	0.67	2.97	9,500	6,365	0.67	3.18	8,930	5,983	0.67	3.41
26	22	10,640	5,852	0.55	3.03	10,260	5,643	0.55	3.26	9,690	5,330	0.55	3.47
27	16	8,455	8,032	0.95	2.82	8,075	7,671	0.95	3.03	7,695	7,310	0.95	3.28
27	18	9,120	7,570	0.83	2.90	8,835	7,333	0.83	3.12	8,265	6,860	0.83	3.35
27	20	9,880	7,015	0.71	2.97	9,500	6,745	0.71	3.18	8,930	6,340	0.71	3.41
27	22	10,640	6,278	0.59	3.03	10,260	6,053	0.59	3.26	9,690	5,717	0.59	3.47
28	16	8,455	8,370	0.99	2.82	8,075	7,994	0.99	3.03	7,695	7,618	0.99	3.28
28	18	9,120	7,934	0.87	2.90	8,835	7,686	0.87	3.12	8,265	7,191	0.87	3.35
28	20	9,880	7,410	0.75	2.97	9,500	7,125	0.75	3.18	8,930	6,698	0.75	3.41
28	22	10,640	6,703	0.63	3.03	10,260	6,464	0.63	3.26	9,690	6,105	0.63	3.47
30	16	8,455	8,455	1.00	2.82	8,075	8,075	1.00	3.03	7,695	7,695	1.00	3.28
30	18	9,120	8,664	0.95	2.90	8,835	8,393	0.95	3.12	8,265	7,852	0.95	3.35
30	20	9,880	8,200	0.83	2.97	9,500	7,885	0.83	3.18	8,930	7,412	0.83	3.41
30	22	10,640	7,554	0.71	3.03	10,260	7,285	0.71	3.26	9,690	6,880	0.71	3.47
32	16	8,455	8,455	1.00	2.82	8,075	8,075	1.00	3.03	7,695	7,695	1.00	3.28
32	18	9,120	9,120	1.00	2.90	8,835	8,835	1.00	3.12	8,265	8,265	1.00	3.35
32	20	9,880	8,991	0.91	2.97	9,500	8,645	0.91	3.18	8,930	8,126	0.91	3.41
32	22	10,640	8,406	0.79	3.03	10,260	8,105	0.79	3.26	9,690	7,655	0.79	3.47
34	16	8,455	8,455	1.00	2.82	8,075	8,075	1.00	3.03	7,695	7,695	1.00	3.28
34	18	9,120	9,120	1.00	2.90	8,835	8,835	1.00	3.12	8,265	8,265	1.00	3.35
34	20	9,880	9,781	0.99	2.97	9,500	9,405	0.99	3.18	8,930	8,841	0.99	3.41
34	22	10,640	9,257	0.87	3.03	10,260	8,926	0.87	3.26	9,690	8,430	0.87	3.47

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M125KA / PUZ-M125VKA PUZ-M125YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	11,979	7,427	0.62	3.21	11,616	7,202	0.62	3.39	11,253	6,977	0.62	3.59
20	18	12,826	6,413	0.50	3.27	12,463	6,232	0.50	3.45	12,040	6,020	0.50	3.69
20	20	13,794	5,242	0.38	3.37	13,492	5,127	0.38	3.53	13,129	4,989	0.38	3.77
22	16	11,979	8,385	0.70	3.21	11,616	8,131	0.70	3.39	11,253	7,877	0.70	3.59
22	18	12,826	7,439	0.58	3.27	12,463	7,229	0.58	3.45	12,040	6,983	0.58	3.69
22	20	13,794	6,345	0.46	3.37	13,492	6,206	0.46	3.53	13,129	6,039	0.46	3.77
24	16	11,979	9,344	0.78	3.21	11,616	9,060	0.78	3.39	11,253	8,777	0.78	3.59
24	18	12,826	8,465	0.66	3.27	12,463	8,226	0.66	3.45	12,040	7,946	0.66	3.69
24	20	13,794	7,449	0.54	3.37	13,492	7,285	0.54	3.53	13,129	7,089	0.54	3.77
24	22	14,702	6,175	0.42	3.45	14,399	6,048	0.42	3.65	14,036	5,895	0.42	3.89
26	16	11,979	10,302	0.86	3.21	11,616	9,990	0.86	3.39	11,253	9,678	0.86	3.59
26	18	12,826	9,491	0.74	3.27	12,463	9,223	0.74	3.45	12,040	8,909	0.74	3.69
26	20	13,794	8,552	0.62	3.37	13,492	8,365	0.62	3.53	13,129	8,140	0.62	3.77
26	22	14,702	7,351	0.50	3.45	14,399	7,200	0.50	3.65	14,036	7,018	0.50	3.89
27	16	11,979	10,781	0.90	3.21	11,616	10,454	0.90	3.39	11,253	10,128	0.90	3.59
27	18	12,826	10,004	0.78	3.27	12,463	9,721	0.78	3.45	12,040	9,391	0.78	3.69
27	20	13,794	9,104	0.66	3.37	13,492	8,904	0.66	3.53	13,129	8,665	0.66	3.77
27	22	14,702	7,939	0.54	3.45	14,399	7,775	0.54	3.65	14,036	7,579	0.54	3.89
28	16	11,979	11,260	0.94	3.21	11,616	10,919	0.94	3.39	11,253	10,578	0.94	3.59
28	18	12,826	10,517	0.82	3.27	12,463	10,220	0.82	3.45	12,040	9,872	0.82	3.69
28	20	13,794	9,656	0.70	3.37	13,492	9,444	0.70	3.53	13,129	9,190	0.70	3.77
28	22	14,702	8,527	0.58	3.45	14,399	8,351	0.58	3.65	14,036	8,141	0.58	3.89
30	16	11,979	11,979	1.00	3.21	11,616	11,616	1.00	3.39	11,253	11,253	1.00	3.59
30	18	12,826	11,543	0.90	3.27	12,463	11,217	0.90	3.45	12,040	10,836	0.90	3.69
30	20	13,794	10,759	0.78	3.37	13,492	10,523	0.78	3.53	13,129	10,240	0.78	3.77
30	22	14,702	9,703	0.66	3.45	14,399	9,503	0.66	3.65	14,036	9,264	0.66	3.89
32	16	11,979	11,979	1.00	3.21	11,616	11,616	1.00	3.39	11,253	11,253	1.00	3.59
32	18	12,826	12,569	0.98	3.27	12,463	12,214	0.98	3.45	12,040	11,799	0.98	3.69
32	20	13,794	11,863	0.86	3.37	13,492	11,603	0.86	3.53	13,129	11,291	0.86	3.77
32	22	14,702	10,879	0.74	3.45	14,399	10,655	0.74	3.65	14,036	10,387	0.74	3.89
34	16	11,979	11,979	1.00	3.21	11,616	11,616	1.00	3.39	11,253	11,253	1.00	3.59
34	18	12,826	12,826	1.00	3.27	12,463	12,463	1.00	3.45	12,040	12,040	1.00	3.69
34	20	13,794	12,966	0.94	3.37	13,492	12,682	0.94	3.53	13,129	12,341	0.94	3.77
34	22	14,702	12,055	0.82	3.45	14,399	11,807	0.82	3.65	14,036	11,510	0.82	3.89

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	10,769	6,677	0.62	3.85	10,285	6,377	0.62	4.13	9,801	6,077	0.62	4.47
20	18	11,616	5,808	0.50	3.95	11,253	5,627	0.50	4.25	10,527	5,264	0.50	4.57
20	20	12,584	4,782	0.38	4.05	12,100	4,598	0.38	4.33	11,374	4,322	0.38	4.65
22	16	10,769	7,538	0.70	3.85	10,285	7,200	0.70	4.13	9,801	6,861	0.70	4.47
22	18	11,616	6,737	0.58	3.95	11,253	6,527	0.58	4.25	10,527	6,106	0.58	4.57
22	20	12,584	5,789	0.46	4.05	12,100	5,566	0.46	4.33	11,374	5,232	0.46	4.65
24	16	10,769	8,400	0.78	3.85	10,285	8,022	0.78	4.13	9,801	7,645	0.78	4.47
24	18	11,616	7,667	0.66	3.95	11,253	7,427	0.66	4.25	10,527	6,948	0.66	4.57
24	20	12,584	6,795	0.54	4.05	12,100	6,534	0.54	4.33	11,374	6,142	0.54	4.65
24	22	13,552	5,692	0.42	4.13	13,068	5,489	0.42	4.45	12,342	5,184	0.42	4.73
26	16	10,769	9,261	0.86	3.85	10,285	8,845	0.86	4.13	9,801	8,429	0.86	4.47
26	18	11,616	8,596	0.74	3.95	11,253	8,327	0.74	4.25	10,527	7,790	0.74	4.57
26	20	12,584	7,802	0.62	4.05	12,100	7,502	0.62	4.33	11,374	7,052	0.62	4.65
26	22	13,552	6,776	0.50	4.13	13,068	6,534	0.50	4.45	12,342	6,171	0.50	4.73
27	16	10,769	9,692	0.90	3.85	10,285	9,257	0.90	4.13	9,801	8,821	0.90	4.47
27	18	11,616	9,060	0.78	3.95	11,253	8,777	0.78	4.25	10,527	8,211	0.78	4.57
27	20	12,584	8,305	0.66	4.05	12,100	7,986	0.66	4.33	11,374	7,507	0.66	4.65
27	22	13,552	7,318	0.54	4.13	13,068	7,057	0.54	4.45	12,342	6,665	0.54	4.73
28	16	10,769	10,123	0.94	3.85	10,285	9,668	0.94	4.13	9,801	9,213	0.94	4.47
28	18	11,616	9,525	0.82	3.95	11,253	9,227	0.82	4.25	10,527	8,632	0.82	4.57
28	20	12,584	8,809	0.70	4.05	12,100	8,470	0.70	4.33	11,374	7,962	0.70	4.65
28	22	13,552	7,860	0.58	4.13	13,068	7,579	0.58	4.45	12,342	7,158	0.58	4.73
30	16	10,769	10,769	1.00	3.85	10,285	10,285	1.00	4.13	9,801	9,801	1.00	4.47
30	18	11,616	10,454	0.90	3.95	11,253	10,128	0.90	4.25	10,527	9,474	0.90	4.57
30	20	12,584	9,816	0.78	4.05	12,100	9,438	0.78	4.33	11,374	8,872	0.78	4.65
30	22	13,552	8,944	0.66	4.13	13,068	8,625	0.66	4.45	12,342	8,146	0.66	4.73
32	16	10,769	10,769	1.00	3.85	10,285	10,285	1.00	4.13	9,801	9,801	1.00	4.47
32	18	11,616	11,384	0.98	3.95	11,253	11,028	0.98	4.25	10,527	10,316	0.98	4.57
32	20	12,584	10,822	0.86	4.05	12,100	10,406	0.86	4.33	11,374	9,782	0.86	4.65
32	22	13,552	10,028	0.74	4.13	13,068	9,670	0.74	4.45	12,342	9,133	0.74	4.73
34	16	10,769	10,769	1.00	3.85	10,285	10,285	1.00	4.13	9,801	9,801	1.00	4.47
34	18	11,616	11,616	1.00	3.95	11,253	11,253	1.00	4.25	10,527	10,527	1.00	4.57
34	20	12,584	11,829	0.94	4.05	12,100	11,374	0.94	4.33	11,374	10,692	0.94	4.65
34	22	13,552	11,113	0.82	4.13	13,068	10,716	0.82	4.45	12,342	10,120	0.82	4.73

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M140KA / PUZ-M140VKA PUZ-M140YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,266	8,225	0.62	4.29	12,864	7,976	0.62	4.53	12,462	7,726	0.62	4.80
20	18	14,204	7,102	0.50	4.37	13,802	6,901	0.50	4.61	13,333	6,667	0.50	4.93
20	20	15,276	5,805	0.38	4.50	14,941	5,678	0.38	4.72	14,539	5,525	0.38	5.04
22	16	13,266	9,286	0.70	4.29	12,864	9,005	0.70	4.53	12,462	8,723	0.70	4.80
22	18	14,204	8,238	0.58	4.37	13,802	8,005	0.58	4.61	13,333	7,733	0.58	4.93
22	20	15,276	7,027	0.46	4.50	14,941	6,873	0.46	4.72	14,539	6,688	0.46	5.04
24	16	13,266	10,347	0.78	4.29	12,864	10,034	0.78	4.53	12,462	9,720	0.78	4.80
24	18	14,204	9,375	0.66	4.37	13,802	9,109	0.66	4.61	13,333	8,800	0.66	4.93
24	20	15,276	8,249	0.54	4.50	14,941	8,068	0.54	4.72	14,539	7,851	0.54	5.04
24	22	16,281	6,838	0.42	4.61	15,946	6,697	0.42	4.88	15,544	6,528	0.42	5.20
26	16	13,266	11,409	0.86	4.29	12,864	11,063	0.86	4.53	12,462	10,717	0.86	4.80
26	18	14,204	10,511	0.74	4.37	13,802	10,213	0.74	4.61	13,333	9,866	0.74	4.93
26	20	15,276	9,471	0.62	4.50	14,941	9,263	0.62	4.72	14,539	9,014	0.62	5.04
26	22	16,281	8,141	0.50	4.61	15,946	7,973	0.50	4.88	15,544	7,772	0.50	5.20
27	16	13,266	11,939	0.90	4.29	12,864	11,578	0.90	4.53	12,462	11,216	0.90	4.80
27	18	14,204	11,079	0.78	4.37	13,802	10,766	0.78	4.61	13,333	10,400	0.78	4.93
27	20	15,276	10,082	0.66	4.50	14,941	9,861	0.66	4.72	14,539	9,596	0.66	5.04
27	22	16,281	8,792	0.54	4.61	15,946	8,611	0.54	4.88	15,544	8,394	0.54	5.20
28	16	13,266	12,470	0.94	4.29	12,864	12,092	0.94	4.53	12,462	11,714	0.94	4.80
28	18	14,204	11,647	0.82	4.37	13,802	11,318	0.82	4.61	13,333	10,933	0.82	4.93
28	20	15,276	10,693	0.70	4.50	14,941	10,459	0.70	4.72	14,539	10,177	0.70	5.04
28	22	16,281	9,443	0.58	4.61	15,946	9,249	0.58	4.88	15,544	9,016	0.58	5.20
30	16	13,266	13,266	1.00	4.29	12,864	12,864	1.00	4.53	12,462	12,462	1.00	4.80
30	18	14,204	12,784	0.90	4.37	13,802	12,422	0.90	4.61	13,333	12,000	0.90	4.93
30	20	15,276	11,915	0.78	4.50	14,941	11,654	0.78	4.72	14,539	11,340	0.78	5.04
30	22	16,281	10,745	0.66	4.61	15,946	10,524	0.66	4.88	15,544	10,259	0.66	5.20
32	16	13,266	13,266	1.00	4.29	12,864	12,864	1.00	4.53	12,462	12,462	1.00	4.80
32	18	14,204	13,920	0.98	4.37	13,802	13,526	0.98	4.61	13,333	13,066	0.98	4.93
32	20	15,276	13,137	0.86	4.50	14,941	12,849	0.86	4.72	14,539	12,504	0.86	5.04
32	22	16,281	12,048	0.74	4.61	15,946	11,800	0.74	4.88	15,544	11,503	0.74	5.20
34	16	13,266	13,266	1.00	4.29	12,864	12,864	1.00	4.53	12,462	12,462	1.00	4.80
34	18	14,204	14,204	1.00	4.37	13,802	13,802	1.00	4.61	13,333	13,333	1.00	4.93
34	20	15,276	14,359	0.94	4.50	14,941	14,045	0.94	4.72	14,539	13,667	0.94	5.04
34	22	16,281	13,350	0.82	4.61	15,946	13,076	0.82	4.88	15,544	12,746	0.82	5.20

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,926	7,394	0.62	5.15	11,390	7,062	0.62	5.52	10,854	6,729	0.62	5.98
20	18	12,864	6,432	0.50	5.28	12,462	6,231	0.50	5.68	11,658	5,829	0.50	6.11
20	20	13,936	5,296	0.38	5.41	13,400	5,092	0.38	5.79	12,596	4,786	0.38	6.22
22	16	11,926	8,348	0.70	5.15	11,390	7,973	0.70	5.52	10,854	7,598	0.70	5.98
22	18	12,864	7,461	0.58	5.28	12,462	7,228	0.58	5.68	11,658	6,762	0.58	6.11
22	20	13,936	6,411	0.46	5.41	13,400	6,164	0.46	5.79	12,596	5,794	0.46	6.22
24	16	11,926	9,302	0.78	5.15	11,390	8,884	0.78	5.52	10,854	8,466	0.78	5.98
24	18	12,864	8,490	0.66	5.28	12,462	8,225	0.66	5.68	11,658	7,694	0.66	6.11
24	20	13,936	7,525	0.54	5.41	13,400	7,236	0.54	5.79	12,596	6,802	0.54	6.22
24	22	15,008	6,303	0.42	5.52	14,472	6,078	0.42	5.95	13,668	5,741	0.42	6.32
26	16	11,926	10,256	0.86	5.15	11,390	9,795	0.86	5.52	10,854	9,334	0.86	5.98
26	18	12,864	9,519	0.74	5.28	12,462	9,222	0.74	5.68	11,658	8,627	0.74	6.11
26	20	13,936	8,640	0.62	5.41	13,400	8,308	0.62	5.79	12,596	7,810	0.62	6.22
26	22	15,008	7,504	0.50	5.52	14,472	7,236	0.50	5.95	13,668	6,834	0.50	6.32
27	16	11,926	10,733	0.90	5.15	11,390	10,251	0.90	5.52	10,854	9,769	0.90	5.98
27	18	12,864	10,034	0.78	5.28	12,462	9,720	0.78	5.68	11,658	9,093	0.78	6.11
27	20	13,936	9,198	0.66	5.41	13,400	8,844	0.66	5.79	12,596	8,313	0.66	6.22
27	22	15,008	8,104	0.54	5.52	14,472	7,815	0.54	5.95	13,668	7,381	0.54	6.32
28	16	11,926	11,210	0.94	5.15	11,390	10,707	0.94	5.52	10,854	10,203	0.94	5.98
28	18	12,864	10,548	0.82	5.28	12,462	10,219	0.82	5.68	11,658	9,560	0.82	6.11
28	20	13,936	9,755	0.70	5.41	13,400	9,380	0.70	5.79	12,596	8,817	0.70	6.22
28	22	15,008	8,705	0.58	5.52	14,472	8,394	0.58	5.95	13,668	7,927	0.58	6.32
30	16	11,926	11,926	1.00	5.15	11,390	11,390	1.00	5.52	10,854	10,854	1.00	5.98
30	18	12,864	11,578	0.90	5.28	12,462	11,216	0.90	5.68	11,658	10,492	0.90	6.11
30	20	13,936	10,870	0.78	5.41	13,400	10,452	0.78	5.79	12,596	9,825	0.78	6.22
30	22	15,008	9,905	0.66	5.52	14,472	9,552	0.66	5.95	13,668	9,021	0.66	6.32
32	16	11,926	11,926	1.00	5.15	11,390	11,390	1.00	5.52	10,854	10,854	1.00	5.98
32	18	12,864	12,607	0.98	5.28	12,462	12,213	0.98	5.68	11,658	11,425	0.98	6.11
32	20	13,936	11,985	0.86	5.41	13,400	11,524	0.86	5.79	12,596	10,833	0.86	6.22
32	22	15,008	11,106	0.74	5.52	14,472	10,709	0.74	5.95	13,668	10,114	0.74	6.32
34	16	11,926	11,926	1.00	5.15	11,390	11,390	1.00	5.52	10,854	10,854	1.00	5.98
34	18	12,864	12,864	1.00	5.28	12,462	12,462	1.00	5.68	11,658	11,658	1.00	6.11
34	20	13,936	13,100	0.94	5.41	13,400	12,596	0.94	5.79	12,596	11,840	0.94	6.22
34	22	15,008	12,307	0.82	5.52	14,472	11,867	0.82	5.95	13,668	11,208	0.82	6.32

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

HEATING CAPACITY
PCA-M·KA / PUZ-ZM·VHA PUZ-ZM·VKA PUZ-ZM·YKA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PCA-M35KA	15	2,604	0.601	2,829	0.662	3,157	0.764	4,141	0.917	4,674	1.019	5,207	1.101
	20	2,501	0.652	2,706	0.713	2,993	0.825	3,998	0.988	4,510	1.101	5,023	1.182
	25	2,419	0.693	2,624	0.774	2,870	0.897	3,772	1.050	4,346	1.177	4,838	1.269
PCA-M50KA	15	3,493	0.803	3,795	0.885	4,235	1.021	5,555	1.225	6,270	1.361	6,985	1.470
	20	3,355	0.871	3,630	0.953	4,015	1.102	5,363	1.320	6,050	1.470	6,738	1.579
	25	3,245	0.925	3,520	1.034	3,850	1.198	5,060	1.402	5,830	1.572	6,490	1.694
PCA-M60KA	15	4,445	1.030	4,830	1.134	5,390	1.309	7,070	1.571	7,980	1.745	8,890	1.885
	20	4,270	1.117	4,620	1.222	5,110	1.413	6,825	1.693	7,700	1.885	8,575	2.024
	25	4,130	1.187	4,480	1.326	4,900	1.536	6,440	1.797	7,420	2.015	8,260	2.173
PCA-M71KA	15	5,080	1.272	5,520	1.401	6,160	1.617	8,080	1.940	9,120	2.156	10,160	2.328
	20	4,880	1.380	5,280	1.509	5,840	1.746	7,800	2.091	8,800	2.328	9,800	2.501
	25	4,720	1.466	5,120	1.639	5,600	1.897	7,360	2.221	8,480	2.490	9,440	2.684
PCA-M100KA	15	7,112	1.781	7,728	1.962	8,624	2.264	11,312	2.716	12,768	3.018	14,224	3.259
	20	6,832	1.932	7,392	2.113	8,176	2.445	10,920	2.927	12,320	3.259	13,720	3.501
	25	6,608	2.052	7,168	2.294	7,840	2.656	10,304	3.109	11,872	3.486	13,216	3.757
PCA-M125KA	15	8,890	2.333	9,660	2.570	10,780	2.966	14,140	3.559	15,960	3.954	17,780	4.270
	20	8,540	2.531	9,240	2.768	10,220	3.203	13,650	3.835	15,400	4.270	17,150	4.587
	25	8,260	2.689	8,960	3.005	9,800	3.480	12,880	4.073	14,840	4.567	16,520	4.923
PCA-M140KA	15	10,160	2.615	11,040	2.881	12,320	3.324	16,160	3.989	18,240	4.432	20,320	4.787
	20	9,760	2.836	10,560	3.102	11,680	3.590	15,600	4.299	17,600	4.787	19,600	5.141
	25	9,440	3.014	10,240	3.368	11,200	3.900	14,720	4.565	16,960	5.119	18,880	5.518

PCA-M·KA / SUZ-M·VA

	Indoor intake air DB°C	Outdoor intake air WB°C															
		-15		-10		-5		0		5		10		15		20	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PCA-M35KA	15	2,050	0.53	2,583	0.663	3,116	0.796	3,649	0.898	4,182	0.969	4,715	1.030	5,207	1.061	5,740	1.081
	21	1,927	0.57	2,460	0.714	2,952	0.847	3,485	0.938	3,977	1.010	4,510	1.061	5,002	1.091	5,515	1.132
	26	1,681	0.61	2,214	0.765	2,747	0.898	3,239	0.989	3,772	1.061	4,305	1.112	4,797	1.142	5,330	1.173
PCA-M50KA	15	3,000	0.837	3,780	1.047	4,560	1.256	5,340	1.417	6,120	1.530	6,900	1.626	7,620	1.674	8,400	1.707
	21	2,820	0.892	3,600	1.127	4,320	1.336	5,100	1.481	5,820	1.594	6,600	1.674	7,320	1.723	8,070	1.787
	26	2,460	0.966	3,240	1.208	4,020	1.417	4,740	1.562	5,520	1.674	6,300	1.755	7,020	1.803	7,800	1.852
PCA-M60KA	15	3,500	0.910	4,410	1.138	5,320	1.365	6,230	1.540	7,140	1.663	8,050	1.768	8,890	1.820	9,800	1.855
	21	3,290	0.970	4,200	1.225	5,040	1.453	5,950	1.610	6,790	1.733	7,700	1.820	8,540	1.873	9,415	1.943
	26	2,870	1.050	3,780	1.313	4,690	1.540	5,530	1.698	6,440	1.820	7,350	1.908	8,190	1.960	9,100	2.013
PCA-M71KA	15	4,000	1.149	5,040	1.437	6,080	1.724	7,120	1.945	8,160	2.100	9,200	2.232	10,160	2.298	11,200	2.343
	21	3,760	1.224	4,800	1.547	5,760	1.834	6,800	2.033	7,760	2.188	8,800	2.298	9,760	2.365	10,760	2.453
	26	3,280	1.326	4,320	1.658	5,360	1.945	6,320	2.144	7,360	2.298	8,400	2.409	9,360	2.475	10,400	2.542

Note: CA : Capacity (W) P.C. : Total power input (kW)

PCA-M·KA / PUZ-M·VKA PUZ-M·YKA

	Indoor intake air DB°C												
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PCA-M100KA	15	7,112	1.94	7,728	2.13	8,624	2.46	11,312	2.95	12,768	3.28	14,224	3.54
	20	6,832	2.10	7,392	2.30	8,176	2.66	10,920	3.18	12,320	3.54	13,720	3.80
	25	6,608	2.23	7,168	2.49	7,840	2.89	10,304	3.38	11,872	3.79	13,216	4.08
PCA-M125KA	15	8,573	2.33	9,315	2.57	10,395	2.96	13,635	3.56	15,390	3.95	17,145	4.27
	20	8,235	2.53	8,910	2.77	9,855	3.20	13,163	3.83	14,850	4.27	16,538	4.58
	25	7,965	2.69	8,640	3.00	9,450	3.48	12,420	4.07	14,310	4.56	15,930	4.92
PCA-M140KA	15	9,525	2.53	10,350	2.78	11,550	3.21	15,150	3.85	17,100	4.28	19,050	4.62
	20	9,150	2.74	9,900	3.00	10,950	3.47	14,625	4.15	16,500	4.62	18,375	4.96
	25	8,850	2.91	9,600	3.25	10,500	3.77	13,800	4.41	15,900	4.94	17,700	5.33

Note: CA : Capacity (W) P.C. : Total power input (kW)

A.3.5.2 R410A type

COOLING CAPACITY

PCA-M35KA / PUHZ-ZRP35VKA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	3,564	2,780	0.78	0.69	3,456	2,696	0.78	0.73	3,348	2,611	0.78	0.77
20	18	3,816	2,519	0.66	0.70	3,708	2,447	0.66	0.74	3,582	2,364	0.66	0.79
20	20	4,104	2,216	0.54	0.72	4,014	2,168	0.54	0.76	3,906	2,109	0.54	0.81
22	16	3,564	3,065	0.86	0.69	3,456	2,972	0.86	0.73	3,348	2,879	0.86	0.77
22	18	3,816	2,824	0.74	0.70	3,708	2,744	0.74	0.74	3,582	2,651	0.74	0.79
22	20	4,104	2,544	0.62	0.72	4,014	2,489	0.62	0.76	3,906	2,422	0.62	0.81
24	16	3,564	3,350	0.94	0.69	3,456	3,249	0.94	0.73	3,348	3,147	0.94	0.77
24	18	3,816	3,129	0.82	0.70	3,708	3,041	0.82	0.74	3,582	2,937	0.82	0.79
24	20	4,104	2,873	0.70	0.72	4,014	2,810	0.70	0.76	3,906	2,734	0.70	0.81
24	22	4,374	2,537	0.58	0.74	4,284	2,485	0.58	0.78	4,176	2,422	0.58	0.83
26	16	3,564	3,564	1.00	0.69	3,456	3,456	1.00	0.73	3,348	3,348	1.00	0.77
26	18	3,816	3,434	0.90	0.70	3,708	3,337	0.90	0.74	3,582	3,224	0.90	0.79
26	20	4,104	3,201	0.78	0.72	4,014	3,131	0.78	0.76	3,906	3,047	0.78	0.81
26	22	4,374	2,887	0.66	0.74	4,284	2,827	0.66	0.78	4,176	2,756	0.66	0.83
27	16	3,564	3,564	1.00	0.69	3,456	3,456	1.00	0.73	3,348	3,348	1.00	0.77
27	18	3,816	3,587	0.94	0.70	3,708	3,486	0.94	0.74	3,582	3,367	0.94	0.79
27	20	4,104	3,365	0.82	0.72	4,014	3,291	0.82	0.76	3,906	3,203	0.82	0.81
27	22	4,374	3,062	0.70	0.74	4,284	2,999	0.70	0.78	4,176	2,923	0.70	0.83
28	16	3,564	3,564	1.00	0.69	3,456	3,456	1.00	0.73	3,348	3,348	1.00	0.77
28	18	3,816	3,740	0.98	0.70	3,708	3,634	0.98	0.74	3,582	3,510	0.98	0.79
28	20	4,104	3,529	0.86	0.72	4,014	3,452	0.86	0.76	3,906	3,359	0.86	0.81
28	22	4,374	3,237	0.74	0.74	4,284	3,170	0.74	0.78	4,176	3,090	0.74	0.83
30	16	3,564	3,564	1.00	0.69	3,456	3,456	1.00	0.73	3,348	3,348	1.00	0.77
30	18	3,816	3,816	1.00	0.70	3,708	3,708	1.00	0.74	3,582	3,582	1.00	0.79
30	20	4,104	3,858	0.94	0.72	4,014	3,773	0.94	0.76	3,906	3,672	0.94	0.81
30	22	4,374	3,587	0.82	0.74	4,284	3,513	0.82	0.78	4,176	3,424	0.82	0.83
32	16	3,564	3,564	1.00	0.69	3,456	3,456	1.00	0.73	3,348	3,348	1.00	0.77
32	18	3,816	3,816	1.00	0.70	3,708	3,708	1.00	0.74	3,582	3,582	1.00	0.79
32	20	4,104	4,104	1.00	0.72	4,014	4,014	1.00	0.76	3,906	3,906	1.00	0.81
32	22	4,374	3,937	0.90	0.74	4,284	3,856	0.90	0.78	4,176	3,758	0.90	0.83
34	16	3,564	3,564	1.00	0.69	3,456	3,456	1.00	0.73	3,348	3,348	1.00	0.77
34	18	3,816	3,816	1.00	0.70	3,708	3,708	1.00	0.74	3,582	3,582	1.00	0.79
34	20	4,104	4,104	1.00	0.72	4,014	4,014	1.00	0.76	3,906	3,906	1.00	0.81
34	22	4,374	4,287	0.98	0.74	4,284	4,198	0.98	0.78	4,176	4,092	0.98	0.83

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	3,204	2,499	0.78	0.83	3,060	2,387	0.78	0.89	2,916	2,274	0.78	0.96
20	18	3,456	2,281	0.66	0.85	3,348	2,210	0.66	0.91	3,132	2,067	0.66	0.98
20	20	3,744	2,022	0.54	0.87	3,600	1,944	0.54	0.93	3,384	1,827	0.54	1.00
22	16	3,204	2,755	0.86	0.83	3,060	2,632	0.86	0.89	2,916	2,508	0.86	0.96
22	18	3,456	2,557	0.74	0.85	3,348	2,478	0.74	0.91	3,132	2,318	0.74	0.98
22	20	3,744	2,321	0.62	0.87	3,600	2,232	0.62	0.93	3,384	2,098	0.62	1.00
24	16	3,204	3,012	0.94	0.83	3,060	2,876	0.94	0.89	2,916	2,741	0.94	0.96
24	18	3,456	2,834	0.82	0.85	3,348	2,745	0.82	0.91	3,132	2,568	0.82	0.98
24	20	3,744	2,621	0.70	0.87	3,600	2,520	0.70	0.93	3,384	2,369	0.70	1.00
24	22	4,032	2,339	0.58	0.89	3,888	2,255	0.58	0.95	3,672	2,130	0.58	1.01
26	16	3,204	3,204	1.00	0.83	3,060	3,060	1.00	0.89	2,916	2,916	1.00	0.96
26	18	3,456	3,110	0.90	0.85	3,348	3,013	0.90	0.91	3,132	2,819	0.90	0.98
26	20	3,744	2,920	0.78	0.87	3,600	2,808	0.78	0.93	3,384	2,640	0.78	1.00
26	22	4,032	2,661	0.66	0.89	3,888	2,566	0.66	0.95	3,672	2,424	0.66	1.01
27	16	3,204	3,204	1.00	0.83	3,060	3,060	1.00	0.89	2,916	2,916	1.00	0.96
27	18	3,456	3,249	0.94	0.85	3,348	3,147	0.94	0.91	3,132	2,944	0.94	0.98
27	20	3,744	3,070	0.82	0.87	3,600	2,952	0.82	0.93	3,384	2,775	0.82	1.00
27	22	4,032	2,822	0.70	0.89	3,888	2,722	0.70	0.95	3,672	2,570	0.70	1.01
28	16	3,204	3,204	1.00	0.83	3,060	3,060	1.00	0.89	2,916	2,916	1.00	0.96
28	18	3,456	3,387	0.98	0.85	3,348	3,281	0.98	0.91	3,132	3,069	0.98	0.98
28	20	3,744	3,220	0.86	0.87	3,600	3,096	0.86	0.93	3,384	2,910	0.86	1.00
28	22	4,032	2,984	0.74	0.89	3,888	2,877	0.74	0.95	3,672	2,717	0.74	1.01
30	16	3,204	3,204	1.00	0.83	3,060	3,060	1.00	0.89	2,916	2,916	1.00	0.96
30	18	3,456	3,456	1.00	0.85	3,348	3,348	1.00	0.91	3,132	3,132	1.00	0.98
30	20	3,744	3,519	0.94	0.87	3,600	3,384	0.94	0.93	3,384	3,181	0.94	1.00
30	22	4,032	3,306	0.82	0.89	3,888	3,188	0.82	0.95	3,672	3,011	0.82	1.01
32	16	3,204	3,204	1.00	0.83	3,060	3,060	1.00	0.89	2,916	2,916	1.00	0.96
32	18	3,456	3,456	1.00	0.85	3,348	3,348	1.00	0.91	3,132	3,132	1.00	0.98
32	20	3,744	3,744	1.00	0.87	3,600	3,600	1.00	0.93	3,384	3,384	1.00	1.00
32	22	4,032	3,629	0.90	0.89	3,888	3,499	0.90	0.95	3,672	3,305	0.90	1.01
34	16	3,204	3,204	1.00	0.83	3,060	3,060	1.00	0.89	2,916	2,916	1.00	0.96
34	18	3,456	3,456	1.00	0.85	3,348	3,348	1.00	0.91	3,132	3,132	1.00	0.98
34	20	3,744	3,744	1.00	0.87	3,600	3,600	1.00	0.93	3,384	3,384	1.00	1.00
34	22	4,032	3,951	0.98	0.89	3,888	3,810	0.98	0.95	3,672	3,599	0.98	1.01

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M50KA / PUHZ-ZRP50VKA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	SHC (W)	SHF	P.C.	25 CA	SHC (W)	SHF	P.C.	30 CA	SHC (W)	SHF	P.C.
20	16	4,950	3,416	0.69	1.07	4,800	3,312	0.69	1.13	4,650	3,209	0.69	1.20
20	18	5,300	3,021	0.57	1.09	5,150	2,936	0.57	1.15	4,975	2,836	0.57	1.23
20	20	5,700	2,565	0.45	1.13	5,575	2,509	0.45	1.18	5,425	2,441	0.45	1.26
22	16	4,950	3,812	0.77	1.07	4,800	3,696	0.77	1.13	4,650	3,581	0.77	1.20
22	18	5,300	3,445	0.65	1.09	5,150	3,348	0.65	1.15	4,975	3,234	0.65	1.23
22	20	5,700	3,021	0.53	1.13	5,575	2,955	0.53	1.18	5,425	2,875	0.53	1.26
24	16	4,950	4,208	0.85	1.07	4,800	4,080	0.85	1.13	4,650	3,953	0.85	1.20
24	18	5,300	3,869	0.73	1.09	5,150	3,760	0.73	1.15	4,975	3,632	0.73	1.23
24	20	5,700	3,477	0.61	1.13	5,575	3,401	0.61	1.18	5,425	3,309	0.61	1.26
24	22	6,075	2,977	0.49	1.15	5,950	2,916	0.49	1.22	5,800	2,842	0.49	1.30
26	16	4,950	4,604	0.93	1.07	4,800	4,464	0.93	1.13	4,650	4,325	0.93	1.20
26	18	5,300	4,293	0.81	1.09	5,150	4,172	0.81	1.15	4,975	4,030	0.81	1.23
26	20	5,700	3,933	0.69	1.13	5,575	3,847	0.69	1.18	5,425	3,743	0.69	1.26
26	22	6,075	3,463	0.57	1.15	5,950	3,392	0.57	1.22	5,800	3,306	0.57	1.30
27	16	4,950	4,802	0.97	1.07	4,800	4,656	0.97	1.13	4,650	4,511	0.97	1.20
27	18	5,300	4,505	0.85	1.09	5,150	4,378	0.85	1.15	4,975	4,229	0.85	1.23
27	20	5,700	4,161	0.73	1.13	5,575	4,070	0.73	1.18	5,425	3,960	0.73	1.26
27	22	6,075	3,706	0.61	1.15	5,950	3,630	0.61	1.22	5,800	3,538	0.61	1.30
28	16	4,950	4,950	1.00	1.07	4,800	4,800	1.00	1.13	4,650	4,650	1.00	1.20
28	18	5,300	4,717	0.89	1.09	5,150	4,584	0.89	1.15	4,975	4,428	0.89	1.23
28	20	5,700	4,389	0.77	1.13	5,575	4,293	0.77	1.18	5,425	4,177	0.77	1.26
28	22	6,075	3,949	0.65	1.15	5,950	3,868	0.65	1.22	5,800	3,770	0.65	1.30
30	16	4,950	4,950	1.00	1.07	4,800	4,800	1.00	1.13	4,650	4,650	1.00	1.20
30	18	5,300	5,141	0.97	1.09	5,150	4,996	0.97	1.15	4,975	4,826	0.97	1.23
30	20	5,700	4,845	0.85	1.13	5,575	4,739	0.85	1.18	5,425	4,611	0.85	1.26
30	22	6,075	4,435	0.73	1.15	5,950	4,344	0.73	1.22	5,800	4,234	0.73	1.30
32	16	4,950	4,950	1.00	1.07	4,800	4,800	1.00	1.13	4,650	4,650	1.00	1.20
32	18	5,300	5,300	1.00	1.09	5,150	5,150	1.00	1.15	4,975	4,975	1.00	1.23
32	20	5,700	5,301	0.93	1.13	5,575	5,185	0.93	1.18	5,425	5,045	0.93	1.26
32	22	6,075	4,921	0.81	1.15	5,950	4,820	0.81	1.22	5,800	4,698	0.81	1.30
34	16	4,950	4,950	1.00	1.07	4,800	4,800	1.00	1.13	4,650	4,650	1.00	1.20
34	18	5,300	5,300	1.00	1.09	5,150	5,150	1.00	1.15	4,975	4,975	1.00	1.23
34	20	5,700	5,700	1.00	1.13	5,575	5,575	1.00	1.18	5,425	5,425	1.00	1.26
34	22	6,075	5,407	0.89	1.15	5,950	5,296	0.89	1.22	5,800	5,162	0.89	1.30

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	SHC (W)	SHF	P.C.	40 CA	SHC (W)	SHF	P.C.	45 CA	SHC (W)	SHF	P.C.
20	16	4,450	3,071	0.69	1.29	4,250	2,933	0.69	1.38	4,050	2,795	0.69	1.49
20	18	4,800	2,736	0.57	1.32	4,650	2,651	0.57	1.42	4,350	2,480	0.57	1.53
20	20	5,200	2,340	0.45	1.35	5,000	2,250	0.45	1.45	4,700	2,115	0.45	1.55
22	16	4,450	3,427	0.77	1.29	4,250	3,273	0.77	1.38	4,050	3,119	0.77	1.49
22	18	4,800	3,120	0.65	1.32	4,650	3,023	0.65	1.42	4,350	2,828	0.65	1.53
22	20	5,200	2,756	0.53	1.35	5,000	2,650	0.53	1.45	4,700	2,491	0.53	1.55
24	16	4,450	3,783	0.85	1.29	4,250	3,613	0.85	1.38	4,050	3,443	0.85	1.49
24	18	4,800	3,504	0.73	1.32	4,650	3,395	0.73	1.42	4,350	3,176	0.73	1.53
24	20	5,200	3,172	0.61	1.35	5,000	3,050	0.61	1.45	4,700	2,867	0.61	1.55
24	22	5,600	2,744	0.49	1.38	5,400	2,646	0.49	1.49	5,100	2,499	0.49	1.58
26	16	4,450	4,139	0.93	1.29	4,250	3,953	0.93	1.38	4,050	3,767	0.93	1.49
26	18	4,800	3,888	0.81	1.32	4,650	3,767	0.81	1.42	4,350	3,524	0.81	1.53
26	20	5,200	3,588	0.69	1.35	5,000	3,450	0.69	1.45	4,700	3,243	0.69	1.55
26	22	5,600	3,192	0.57	1.38	5,400	3,078	0.57	1.49	5,100	2,907	0.57	1.58
27	16	4,450	4,317	0.97	1.29	4,250	4,123	0.97	1.38	4,050	3,929	0.97	1.49
27	18	4,800	4,080	0.85	1.32	4,650	3,953	0.85	1.42	4,350	3,698	0.85	1.53
27	20	5,200	3,796	0.73	1.35	5,000	3,650	0.73	1.45	4,700	3,431	0.73	1.55
27	22	5,600	3,416	0.61	1.38	5,400	3,294	0.61	1.49	5,100	3,111	0.61	1.58
28	16	4,450	4,450	1.00	1.29	4,250	4,250	1.00	1.38	4,050	4,050	1.00	1.49
28	18	4,800	4,272	0.89	1.32	4,650	4,139	0.89	1.42	4,350	3,872	0.89	1.53
28	20	5,200	4,004	0.77	1.35	5,000	3,850	0.77	1.45	4,700	3,619	0.77	1.55
28	22	5,600	3,640	0.65	1.38	5,400	3,510	0.65	1.49	5,100	3,315	0.65	1.58
30	16	4,450	4,450	1.00	1.29	4,250	4,250	1.00	1.38	4,050	4,050	1.00	1.49
30	18	4,800	4,656	0.97	1.32	4,650	4,511	0.97	1.42	4,350	4,220	0.97	1.53
30	20	5,200	4,420	0.85	1.35	5,000	4,250	0.85	1.45	4,700	3,995	0.85	1.55
30	22	5,600	4,088	0.73	1.38	5,400	3,942	0.73	1.49	5,100	3,723	0.73	1.58
32	16	4,450	4,450	1.00	1.29	4,250	4,250	1.00	1.38	4,050	4,050	1.00	1.49
32	18	4,800	4,800	1.00	1.32	4,650	4,650	1.00	1.42	4,350	4,350	1.00	1.53
32	20	5,200	4,836	0.93	1.35	5,000	4,650	0.93	1.45	4,700	4,371	0.93	1.55
32	22	5,600	4,536	0.81	1.38	5,400	4,374	0.81	1.49	5,100	4,131	0.81	1.58
34	16	4,450	4,450	1.00	1.29	4,250	4,250	1.00	1.38	4,050	4,050	1.00	1.49
34	18	4,800	4,800	1.00	1.32	4,650	4,650	1.00	1.42	4,350	4,350	1.00	1.53
34	20	5,200	5,200	1.00	1.35	5,000	5,000	1.00	1.45	4,700	4,700	1.00	1.55
34	22	5,600	4,984	0.89	1.38	5,400	4,806	0.89	1.49	5,100	4,539	0.89	1.58

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M60KA / PUHZ-ZRP60VHA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	6,039	4,288	0.71	1.33	5,856	4,158	0.71	1.40	5,673	4,028	0.71	1.49
20	18	6,466	3,815	0.59	1.35	6,283	3,707	0.59	1.43	6,070	3,581	0.59	1.53
20	20	6,954	3,268	0.47	1.39	6,802	3,197	0.47	1.46	6,619	3,111	0.47	1.56
22	16	6,039	4,771	0.79	1.33	5,856	4,626	0.79	1.40	5,673	4,482	0.79	1.49
22	18	6,466	4,332	0.67	1.35	6,283	4,210	0.67	1.43	6,070	4,067	0.67	1.53
22	20	6,954	3,825	0.55	1.39	6,802	3,741	0.55	1.46	6,619	3,640	0.55	1.56
24	16	6,039	5,254	0.87	1.33	5,856	5,095	0.87	1.40	5,673	4,936	0.87	1.49
24	18	6,466	4,850	0.75	1.35	6,283	4,712	0.75	1.43	6,070	4,552	0.75	1.53
24	20	6,954	4,381	0.63	1.39	6,802	4,285	0.63	1.46	6,619	4,170	0.63	1.56
24	22	7,412	3,780	0.51	1.43	7,259	3,702	0.51	1.51	7,076	3,609	0.51	1.61
26	16	6,039	5,737	0.95	1.33	5,856	5,563	0.95	1.40	5,673	5,389	0.95	1.49
26	18	6,466	5,367	0.83	1.35	6,283	5,215	0.83	1.43	6,070	5,038	0.83	1.53
26	20	6,954	4,937	0.71	1.39	6,802	4,829	0.71	1.46	6,619	4,699	0.71	1.56
26	22	7,412	4,373	0.59	1.43	7,259	4,283	0.59	1.51	7,076	4,175	0.59	1.61
27	16	6,039	5,979	0.99	1.33	5,856	5,797	0.99	1.40	5,673	5,616	0.99	1.49
27	18	6,466	5,625	0.87	1.35	6,283	5,466	0.87	1.43	6,070	5,280	0.87	1.53
27	20	6,954	5,216	0.75	1.39	6,802	5,101	0.75	1.46	6,619	4,964	0.75	1.56
27	22	7,412	4,669	0.63	1.43	7,259	4,573	0.63	1.51	7,076	4,458	0.63	1.61
28	16	6,039	6,039	1.00	1.33	5,856	5,856	1.00	1.40	5,673	5,673	1.00	1.49
28	18	6,466	5,884	0.91	1.35	6,283	5,718	0.91	1.43	6,070	5,523	0.91	1.53
28	20	6,954	5,494	0.79	1.39	6,802	5,373	0.79	1.46	6,619	5,229	0.79	1.56
28	22	7,412	4,966	0.67	1.43	7,259	4,864	0.67	1.51	7,076	4,741	0.67	1.61
30	16	6,039	6,039	1.00	1.33	5,856	5,856	1.00	1.40	5,673	5,673	1.00	1.49
30	18	6,466	6,401	0.99	1.35	6,283	6,220	0.99	1.43	6,070	6,009	0.99	1.53
30	20	6,954	6,050	0.87	1.39	6,802	5,917	0.87	1.46	6,619	5,758	0.87	1.56
30	22	7,412	5,559	0.75	1.43	7,259	5,444	0.75	1.51	7,076	5,307	0.75	1.61
32	16	6,039	6,039	1.00	1.33	5,856	5,856	1.00	1.40	5,673	5,673	1.00	1.49
32	18	6,466	6,466	1.00	1.35	6,283	6,283	1.00	1.43	6,070	6,070	1.00	1.53
32	20	6,954	6,606	0.95	1.39	6,802	6,461	0.95	1.46	6,619	6,288	0.95	1.56
32	22	7,412	6,152	0.83	1.43	7,259	6,025	0.83	1.51	7,076	5,873	0.83	1.61
34	16	6,039	6,039	1.00	1.33	5,856	5,856	1.00	1.40	5,673	5,673	1.00	1.49
34	18	6,466	6,466	1.00	1.35	6,283	6,283	1.00	1.43	6,070	6,070	1.00	1.53
34	20	6,954	6,954	1.00	1.39	6,802	6,802	1.00	1.46	6,619	6,619	1.00	1.56
34	22	7,412	6,744	0.91	1.43	7,259	6,606	0.91	1.51	7,076	6,439	0.91	1.61

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	5,429	3,855	0.71	1.59	5,185	3,681	0.71	1.71	4,941	3,508	0.71	1.85
20	18	5,856	3,455	0.59	1.64	5,673	3,347	0.59	1.76	5,307	3,131	0.59	1.89
20	20	6,344	2,982	0.47	1.68	6,100	2,867	0.47	1.79	5,734	2,695	0.47	1.93
22	16	5,429	4,289	0.79	1.59	5,185	4,096	0.79	1.71	4,941	3,903	0.79	1.85
22	18	5,856	3,924	0.67	1.64	5,673	3,801	0.67	1.76	5,307	3,556	0.67	1.89
22	20	6,344	3,489	0.55	1.68	6,100	3,355	0.55	1.79	5,734	3,154	0.55	1.93
24	16	5,429	4,723	0.87	1.59	5,185	4,511	0.87	1.71	4,941	4,299	0.87	1.85
24	18	5,856	4,392	0.75	1.64	5,673	4,255	0.75	1.76	5,307	3,980	0.75	1.89
24	20	6,344	3,997	0.63	1.68	6,100	3,843	0.63	1.79	5,734	3,612	0.63	1.93
24	22	6,832	3,484	0.51	1.71	6,588	3,360	0.51	1.84	6,222	3,173	0.51	1.96
26	16	5,429	5,158	0.95	1.59	5,185	4,926	0.95	1.71	4,941	4,694	0.95	1.85
26	18	5,856	4,860	0.83	1.64	5,673	4,709	0.83	1.76	5,307	4,405	0.83	1.89
26	20	6,344	4,504	0.71	1.68	6,100	4,331	0.71	1.79	5,734	4,071	0.71	1.93
26	22	6,832	4,031	0.59	1.71	6,588	3,887	0.59	1.84	6,222	3,671	0.59	1.96
27	16	5,429	5,375	0.99	1.59	5,185	5,133	0.99	1.71	4,941	4,892	0.99	1.85
27	18	5,856	5,095	0.87	1.64	5,673	4,936	0.87	1.76	5,307	4,617	0.87	1.89
27	20	6,344	4,758	0.75	1.68	6,100	4,575	0.75	1.79	5,734	4,301	0.75	1.93
27	22	6,832	4,304	0.63	1.71	6,588	4,150	0.63	1.84	6,222	3,920	0.63	1.96
28	16	5,429	5,429	1.00	1.59	5,185	5,185	1.00	1.71	4,941	4,941	1.00	1.85
28	18	5,856	5,329	0.91	1.64	5,673	5,162	0.91	1.76	5,307	4,829	0.91	1.89
28	20	6,344	5,012	0.79	1.68	6,100	4,819	0.79	1.79	5,734	4,530	0.79	1.93
28	22	6,832	4,577	0.67	1.71	6,588	4,414	0.67	1.84	6,222	4,169	0.67	1.96
30	16	5,429	5,429	1.00	1.59	5,185	5,185	1.00	1.71	4,941	4,941	1.00	1.85
30	18	5,856	5,797	0.99	1.64	5,673	5,616	0.99	1.76	5,307	5,254	0.99	1.89
30	20	6,344	5,519	0.87	1.68	6,100	5,307	0.87	1.79	5,734	4,989	0.87	1.93
30	22	6,832	5,124	0.75	1.71	6,588	4,941	0.75	1.84	6,222	4,667	0.75	1.96
32	16	5,429	5,429	1.00	1.59	5,185	5,185	1.00	1.71	4,941	4,941	1.00	1.85
32	18	5,856	5,856	1.00	1.64	5,673	5,673	1.00	1.76	5,307	5,307	1.00	1.89
32	20	6,344	6,027	0.95	1.68	6,100	5,795	0.95	1.79	5,734	5,447	0.95	1.93
32	22	6,832	5,671	0.83	1.71	6,588	5,468	0.83	1.84	6,222	5,164	0.83	1.96
34	16	5,429	5,429	1.00	1.59	5,185	5,185	1.00	1.71	4,941	4,941	1.00	1.85
34	18	5,856	5,856	1.00	1.64	5,673	5,673	1.00	1.76	5,307	5,307	1.00	1.89
34	20	6,344	6,344	1.00	1.68	6,100	6,100	1.00	1.79	5,734	5,734	1.00	1.93
34	22	6,832	6,217	0.91	1.71	6,588	5,995	0.91	1.84	6,222	5,662	0.91	1.96

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M71KA / PUHZ-ZRP71VHA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	7,029	4,639	0.66	1.46	6,816	4,499	0.66	1.54	6,603	4,358	0.66	1.63
20	18	7,526	4,064	0.54	1.48	7,313	3,949	0.54	1.57	7,065	3,815	0.54	1.67
20	20	8,094	3,399	0.42	1.53	7,917	3,325	0.42	1.60	7,704	3,235	0.42	1.71
22	16	7,029	5,201	0.74	1.46	6,816	5,044	0.74	1.54	6,603	4,886	0.74	1.63
22	18	7,526	4,666	0.62	1.48	7,313	4,534	0.62	1.57	7,065	4,380	0.62	1.67
22	20	8,094	4,047	0.50	1.53	7,917	3,958	0.50	1.60	7,704	3,852	0.50	1.71
24	16	7,029	5,764	0.82	1.46	6,816	5,589	0.82	1.54	6,603	5,414	0.82	1.63
24	18	7,526	5,268	0.70	1.48	7,313	5,119	0.70	1.57	7,065	4,945	0.70	1.67
24	20	8,094	4,695	0.58	1.53	7,917	4,592	0.58	1.60	7,704	4,468	0.58	1.71
24	22	8,627	3,968	0.46	1.57	8,449	3,887	0.46	1.66	8,236	3,789	0.46	1.77
26	16	7,029	6,326	0.90	1.46	6,816	6,134	0.90	1.54	6,603	5,943	0.90	1.63
26	18	7,526	5,870	0.78	1.48	7,313	5,704	0.78	1.57	7,065	5,510	0.78	1.67
26	20	8,094	5,342	0.66	1.53	7,917	5,225	0.66	1.60	7,704	5,084	0.66	1.71
26	22	8,627	4,658	0.54	1.57	8,449	4,562	0.54	1.66	8,236	4,447	0.54	1.77
27	16	7,029	6,607	0.94	1.46	6,816	6,407	0.94	1.54	6,603	6,207	0.94	1.63
27	18	7,526	6,171	0.82	1.48	7,313	5,997	0.82	1.57	7,065	5,793	0.82	1.67
27	20	8,094	5,666	0.70	1.53	7,917	5,542	0.70	1.60	7,704	5,392	0.70	1.71
27	22	8,627	5,003	0.58	1.57	8,449	4,900	0.58	1.66	8,236	4,777	0.58	1.77
28	16	7,029	6,888	0.98	1.46	6,816	6,680	0.98	1.54	6,603	6,471	0.98	1.63
28	18	7,526	6,472	0.86	1.48	7,313	6,289	0.86	1.57	7,065	6,075	0.86	1.67
28	20	8,094	5,990	0.74	1.53	7,917	5,858	0.74	1.60	7,704	5,701	0.74	1.71
28	22	8,627	5,348	0.62	1.57	8,449	5,238	0.62	1.66	8,236	5,106	0.62	1.77
30	16	7,029	7,029	1.00	1.46	6,816	6,816	1.00	1.54	6,603	6,603	1.00	1.63
30	18	7,526	7,074	0.94	1.48	7,313	6,874	0.94	1.57	7,065	6,641	0.94	1.67
30	20	8,094	6,637	0.82	1.53	7,917	6,492	0.82	1.60	7,704	6,317	0.82	1.71
30	22	8,627	6,039	0.70	1.57	8,449	5,914	0.70	1.66	8,236	5,765	0.70	1.77
32	16	7,029	7,029	1.00	1.46	6,816	6,816	1.00	1.54	6,603	6,603	1.00	1.63
32	18	7,526	7,526	1.00	1.48	7,313	7,313	1.00	1.57	7,065	7,065	1.00	1.67
32	20	8,094	7,285	0.90	1.53	7,917	7,125	0.90	1.60	7,704	6,933	0.90	1.71
32	22	8,627	6,729	0.78	1.57	8,449	6,590	0.78	1.66	8,236	6,424	0.78	1.77
34	16	7,029	7,029	1.00	1.46	6,816	6,816	1.00	1.54	6,603	6,603	1.00	1.63
34	18	7,526	7,526	1.00	1.48	7,313	7,313	1.00	1.57	7,065	7,065	1.00	1.67
34	20	8,094	7,932	0.98	1.53	7,917	7,758	0.98	1.60	7,704	7,549	0.98	1.71
34	22	8,627	7,419	0.86	1.57	8,449	7,266	0.86	1.66	8,236	7,083	0.86	1.77

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	6,319	4,171	0.66	1.75	6,035	3,983	0.66	1.87	5,751	3,796	0.66	2.03
20	18	6,816	3,681	0.54	1.79	6,603	3,566	0.54	1.93	6,177	3,336	0.54	2.07
20	20	7,384	3,101	0.42	1.84	7,100	2,982	0.42	1.97	6,674	2,803	0.42	2.11
22	16	6,319	4,676	0.74	1.75	6,035	4,466	0.74	1.87	5,751	4,256	0.74	2.03
22	18	6,816	4,226	0.62	1.79	6,603	4,094	0.62	1.93	6,177	3,830	0.62	2.07
22	20	7,384	3,692	0.50	1.84	7,100	3,550	0.50	1.97	6,674	3,337	0.50	2.11
24	16	6,319	5,182	0.82	1.75	6,035	4,949	0.82	1.87	5,751	4,716	0.82	2.03
24	18	6,816	4,771	0.70	1.79	6,603	4,622	0.70	1.93	6,177	4,324	0.70	2.07
24	20	7,384	4,283	0.58	1.84	7,100	4,118	0.58	1.97	6,674	3,871	0.58	2.11
24	22	7,952	3,658	0.46	1.87	7,668	3,527	0.46	2.02	7,242	3,331	0.46	2.15
26	16	6,319	5,687	0.90	1.75	6,035	5,432	0.90	1.87	5,751	5,176	0.90	2.03
26	18	6,816	5,316	0.78	1.79	6,603	5,150	0.78	1.93	6,177	4,818	0.78	2.07
26	20	7,384	4,873	0.66	1.84	7,100	4,686	0.66	1.97	6,674	4,405	0.66	2.11
26	22	7,952	4,294	0.54	1.87	7,668	4,141	0.54	2.02	7,242	3,911	0.54	2.15
27	16	6,319	5,940	0.94	1.75	6,035	5,673	0.94	1.87	5,751	5,406	0.94	2.03
27	18	6,816	5,589	0.82	1.79	6,603	5,414	0.82	1.93	6,177	5,065	0.82	2.07
27	20	7,384	5,169	0.70	1.84	7,100	4,970	0.70	1.97	6,674	4,672	0.70	2.11
27	22	7,952	4,612	0.58	1.87	7,668	4,447	0.58	2.02	7,242	4,200	0.58	2.15
28	16	6,319	6,193	0.98	1.75	6,035	5,914	0.98	1.87	5,751	5,636	0.98	2.03
28	18	6,816	5,862	0.86	1.79	6,603	5,679	0.86	1.93	6,177	5,312	0.86	2.07
28	20	7,384	5,464	0.74	1.84	7,100	5,254	0.74	1.97	6,674	4,939	0.74	2.11
28	22	7,952	4,930	0.62	1.87	7,668	4,754	0.62	2.02	7,242	4,490	0.62	2.15
30	16	6,319	6,319	1.00	1.75	6,035	6,035	1.00	1.87	5,751	5,751	1.00	2.03
30	18	6,816	6,407	0.94	1.79	6,603	6,207	0.94	1.93	6,177	5,806	0.94	2.07
30	20	7,384	6,055	0.82	1.84	7,100	5,822	0.82	1.97	6,674	5,473	0.82	2.11
30	22	7,952	5,566	0.70	1.87	7,668	5,368	0.70	2.02	7,242	5,069	0.70	2.15
32	16	6,319	6,319	1.00	1.75	6,035	6,035	1.00	1.87	5,751	5,751	1.00	2.03
32	18	6,816	6,816	1.00	1.79	6,603	6,603	1.00	1.93	6,177	6,177	1.00	2.07
32	20	7,384	6,646	0.90	1.84	7,100	6,390	0.90	1.97	6,674	6,007	0.90	2.11
32	22	7,952	6,203	0.78	1.87	7,668	5,981	0.78	2.02	7,242	5,649	0.78	2.15
34	16	6,319	6,319	1.00	1.75	6,035	6,035	1.00	1.87	5,751	5,751	1.00	2.03
34	18	6,816	6,816	1.00	1.79	6,603	6,603	1.00	1.93	6,177	6,177	1.00	2.07
34	20	7,384	7,236	0.98	1.84	7,100	6,958	0.98	1.97	6,674	6,541	0.98	2.11
34	22	7,952	6,839	0.86	1.87	7,668	6,594	0.86	2.02	7,242	6,228	0.86	2.15

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M100KA / PUHZ-ZRP100VKA3 PUHZ-ZRP100YKA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	6,301	0.67	1.94	9,120	6,110	0.67	2.04	8,835	5,919	0.67	2.17
20	18	10,070	5,539	0.55	1.97	9,785	5,382	0.55	2.08	9,453	5,199	0.55	2.23
20	20	10,830	4,657	0.43	2.03	10,593	4,555	0.43	2.13	10,308	4,432	0.43	2.27
22	16	9,405	7,054	0.75	1.94	9,120	6,840	0.75	2.04	8,835	6,626	0.75	2.17
22	18	10,070	6,344	0.63	1.97	9,785	6,165	0.63	2.08	9,453	5,955	0.63	2.23
22	20	10,830	5,523	0.51	2.03	10,593	5,402	0.51	2.13	10,308	5,257	0.51	2.27
24	16	9,405	7,806	0.83	1.94	9,120	7,570	0.83	2.04	8,835	7,333	0.83	2.17
24	18	10,070	7,150	0.71	1.97	9,785	6,947	0.71	2.08	9,453	6,711	0.71	2.23
24	20	10,830	6,390	0.59	2.03	10,593	6,250	0.59	2.13	10,308	6,081	0.59	2.27
24	22	11,543	5,425	0.47	2.08	11,305	5,313	0.47	2.20	11,020	5,179	0.47	2.35
26	16	9,405	8,559	0.91	1.94	9,120	8,299	0.91	2.04	8,835	8,040	0.91	2.17
26	18	10,070	7,955	0.79	1.97	9,785	7,730	0.79	2.08	9,453	7,467	0.79	2.23
26	20	10,830	7,256	0.67	2.03	10,593	7,097	0.67	2.13	10,308	6,906	0.67	2.27
26	22	11,543	6,348	0.55	2.08	11,305	6,218	0.55	2.20	11,020	6,061	0.55	2.35
27	16	9,405	8,935	0.95	1.94	9,120	8,664	0.95	2.04	8,835	8,393	0.95	2.17
27	18	10,070	8,358	0.83	1.97	9,785	8,122	0.83	2.08	9,453	7,846	0.83	2.23
27	20	10,830	7,689	0.71	2.03	10,593	7,521	0.71	2.13	10,308	7,318	0.71	2.27
27	22	11,543	6,810	0.59	2.08	11,305	6,670	0.59	2.20	11,020	6,502	0.59	2.35
28	16	9,405	9,311	0.99	1.94	9,120	9,029	0.99	2.04	8,835	8,747	0.99	2.17
28	18	10,070	8,761	0.87	1.97	9,785	8,513	0.87	2.08	9,453	8,224	0.87	2.23
28	20	10,830	8,123	0.75	2.03	10,593	7,944	0.75	2.13	10,308	7,731	0.75	2.27
28	22	11,543	7,272	0.63	2.08	11,305	7,122	0.63	2.20	11,020	6,943	0.63	2.35
30	16	9,405	9,405	1.00	1.94	9,120	9,120	1.00	2.04	8,835	8,835	1.00	2.17
30	18	10,070	9,567	0.95	1.97	9,785	9,296	0.95	2.08	9,453	8,980	0.95	2.23
30	20	10,830	8,989	0.83	2.03	10,593	8,792	0.83	2.13	10,308	8,555	0.83	2.27
30	22	11,543	8,195	0.71	2.08	11,305	8,027	0.71	2.20	11,020	7,824	0.71	2.35
32	16	9,405	9,405	1.00	1.94	9,120	9,120	1.00	2.04	8,835	8,835	1.00	2.17
32	18	10,070	10,070	1.00	1.97	9,785	9,785	1.00	2.08	9,453	9,453	1.00	2.23
32	20	10,830	9,855	0.91	2.03	10,593	9,639	0.91	2.13	10,308	9,380	0.91	2.27
32	22	11,543	9,119	0.79	2.08	11,305	8,931	0.79	2.20	11,020	8,706	0.79	2.35
34	16	9,405	9,405	1.00	1.94	9,120	9,120	1.00	2.04	8,835	8,835	1.00	2.17
34	18	10,070	10,070	1.00	1.97	9,785	9,785	1.00	2.08	9,453	9,453	1.00	2.23
34	20	10,830	10,722	0.99	2.03	10,593	10,487	0.99	2.13	10,308	10,204	0.99	2.27
34	22	11,543	10,042	0.87	2.08	11,305	9,835	0.87	2.20	11,020	9,587	0.87	2.35

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	5,665	0.67	2.32	8,075	5,410	0.67	2.49	7,695	5,156	0.67	2.70
20	18	9,120	5,016	0.55	2.38	8,835	4,859	0.55	2.57	8,265	4,546	0.55	2.76
20	20	9,880	4,248	0.43	2.44	9,500	4,085	0.43	2.61	8,930	3,840	0.43	2.81
22	16	8,455	6,341	0.75	2.32	8,075	6,056	0.75	2.49	7,695	5,771	0.75	2.70
22	18	9,120	5,746	0.63	2.38	8,835	5,566	0.63	2.57	8,265	5,207	0.63	2.76
22	20	9,880	5,039	0.51	2.44	9,500	4,845	0.51	2.61	8,930	4,554	0.51	2.81
24	16	8,455	7,018	0.83	2.32	8,075	6,702	0.83	2.49	7,695	6,387	0.83	2.70
24	18	9,120	6,475	0.71	2.38	8,835	6,273	0.71	2.57	8,265	5,868	0.71	2.76
24	20	9,880	5,829	0.59	2.44	9,500	5,605	0.59	2.61	8,930	5,269	0.59	2.81
24	22	10,640	5,001	0.47	2.49	10,260	4,822	0.47	2.69	9,690	4,554	0.47	2.86
26	16	8,455	7,694	0.91	2.32	8,075	7,348	0.91	2.49	7,695	7,002	0.91	2.70
26	18	9,120	7,205	0.79	2.38	8,835	6,980	0.79	2.57	8,265	6,529	0.79	2.76
26	20	9,880	6,620	0.67	2.44	9,500	6,365	0.67	2.61	8,930	5,983	0.67	2.81
26	22	10,640	5,852	0.55	2.49	10,260	5,643	0.55	2.69	9,690	5,330	0.55	2.86
27	16	8,455	8,032	0.95	2.32	8,075	7,671	0.95	2.49	7,695	7,310	0.95	2.70
27	18	9,120	7,570	0.83	2.38	8,835	7,333	0.83	2.57	8,265	6,860	0.83	2.76
27	20	9,880	7,015	0.71	2.44	9,500	6,745	0.71	2.61	8,930	6,340	0.71	2.81
27	22	10,640	6,278	0.59	2.49	10,260	6,053	0.59	2.69	9,690	5,717	0.59	2.86
28	16	8,455	8,370	0.99	2.32	8,075	7,994	0.99	2.49	7,695	7,618	0.99	2.70
28	18	9,120	7,934	0.87	2.38	8,835	7,686	0.87	2.57	8,265	7,191	0.87	2.76
28	20	9,880	7,410	0.75	2.44	9,500	7,125	0.75	2.61	8,930	6,698	0.75	2.81
28	22	10,640	6,703	0.63	2.49	10,260	6,464	0.63	2.69	9,690	6,105	0.63	2.86
30	16	8,455	8,455	1.00	2.32	8,075	8,075	1.00	2.49	7,695	7,695	1.00	2.70
30	18	9,120	8,664	0.95	2.38	8,835	8,393	0.95	2.57	8,265	7,852	0.95	2.76
30	20	9,880	8,200	0.83	2.44	9,500	7,885	0.83	2.61	8,930	7,412	0.83	2.81
30	22	10,640	7,554	0.71	2.49	10,260	7,285	0.71	2.69	9,690	6,880	0.71	2.86
32	16	8,455	8,455	1.00	2.32	8,075	8,075	1.00	2.49	7,695	7,695	1.00	2.70
32	18	9,120	9,120	1.00	2.38	8,835	8,835	1.00	2.57	8,265	8,265	1.00	2.76
32	20	9,880	8,991	0.91	2.44	9,500	8,645	0.91	2.61	8,930	8,126	0.91	2.81
32	22	10,640	8,406	0.79	2.49	10,260	8,105	0.79	2.69	9,690	7,655	0.79	2.86
34	16	8,455	8,455	1.00	2.32	8,075	8,075	1.00	2.49	7,695	7,695	1.00	2.70
34	18	9,120	9,120	1.00	2.38	8,835	8,835	1.00	2.57	8,265	8,265	1.00	2.76
34	20	9,880	9,781	0.99	2.44	9,500	9,405	0.99	2.61	8,930	8,841	0.99	2.81
34	22	10,640	9,257	0.87	2.49	10,260	8,926	0.87	2.69	9,690	8,430	0.87	2.86

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M125KA / PUHZ-ZRP125VKA3 PUHZ-ZRP125YKA3

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		20				25				30			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	12,375	7,673	0.62	3.18	12,000	7,440	0.62	3.36	11,625	7,208	0.62	3.56
20	18	13,250	6,625	0.50	3.24	12,875	6,438	0.50	3.42	12,438	6,219	0.50	3.66
20	20	14,250	5,415	0.38	3.34	13,938	5,296	0.38	3.50	13,563	5,154	0.38	3.74
22	16	12,375	8,663	0.70	3.18	12,000	8,400	0.70	3.36	11,625	8,138	0.70	3.56
22	18	13,250	7,685	0.58	3.24	12,875	7,468	0.58	3.42	12,438	7,214	0.58	3.66
22	20	14,250	6,555	0.46	3.34	13,938	6,411	0.46	3.50	13,563	6,239	0.46	3.74
24	16	12,375	9,653	0.78	3.18	12,000	9,360	0.78	3.36	11,625	9,068	0.78	3.56
24	18	13,250	8,745	0.66	3.24	12,875	8,498	0.66	3.42	12,438	8,209	0.66	3.66
24	20	14,250	7,695	0.54	3.34	13,938	7,526	0.54	3.50	13,563	7,324	0.54	3.74
24	22	15,188	6,379	0.42	3.42	14,875	6,248	0.42	3.62	14,500	6,090	0.42	3.86
26	16	12,375	10,643	0.86	3.18	12,000	10,320	0.86	3.36	11,625	9,998	0.86	3.56
26	18	13,250	9,805	0.74	3.24	12,875	9,528	0.74	3.42	12,438	9,204	0.74	3.66
26	20	14,250	8,835	0.62	3.34	13,938	8,641	0.62	3.50	13,563	8,409	0.62	3.74
26	22	15,188	7,594	0.50	3.42	14,875	7,438	0.50	3.62	14,500	7,250	0.50	3.86
27	16	12,375	11,138	0.90	3.18	12,000	10,800	0.90	3.36	11,625	10,463	0.90	3.56
27	18	13,250	10,335	0.78	3.24	12,875	10,043	0.78	3.42	12,438	9,701	0.78	3.66
27	20	14,250	9,405	0.66	3.34	13,938	9,199	0.66	3.50	13,563	8,951	0.66	3.74
27	22	15,188	8,201	0.54	3.42	14,875	8,033	0.54	3.62	14,500	7,830	0.54	3.86
28	16	12,375	11,633	0.94	3.18	12,000	11,280	0.94	3.36	11,625	10,928	0.94	3.56
28	18	13,250	10,865	0.82	3.24	12,875	10,558	0.82	3.42	12,438	10,199	0.82	3.66
28	20	14,250	9,975	0.70	3.34	13,938	9,756	0.70	3.50	13,563	9,494	0.70	3.74
28	22	15,188	8,809	0.58	3.42	14,875	8,628	0.58	3.62	14,500	8,410	0.58	3.86
30	16	12,375	12,375	1.00	3.18	12,000	12,000	1.00	3.36	11,625	11,625	1.00	3.56
30	18	13,250	11,925	0.90	3.24	12,875	11,588	0.90	3.42	12,438	11,194	0.90	3.66
30	20	14,250	11,115	0.78	3.34	13,938	10,871	0.78	3.50	13,563	10,579	0.78	3.74
30	22	15,188	10,024	0.66	3.42	14,875	9,818	0.66	3.62	14,500	9,570	0.66	3.86
32	16	12,375	12,375	1.00	3.18	12,000	12,000	1.00	3.36	11,625	11,625	1.00	3.56
32	18	13,250	12,985	0.98	3.24	12,875	12,618	0.98	3.42	12,438	12,189	0.98	3.66
32	20	14,250	12,255	0.86	3.34	13,938	11,986	0.86	3.50	13,563	11,664	0.86	3.74
32	22	15,188	11,239	0.74	3.42	14,875	11,008	0.74	3.62	14,500	10,730	0.74	3.86
34	16	12,375	12,375	1.00	3.18	12,000	12,000	1.00	3.36	11,625	11,625	1.00	3.56
34	18	13,250	13,250	1.00	3.24	12,875	12,875	1.00	3.42	12,438	12,438	1.00	3.66
34	20	14,250	13,395	0.94	3.34	13,938	13,101	0.94	3.50	13,563	12,749	0.94	3.74
34	22	15,188	12,454	0.82	3.42	14,875	12,198	0.82	3.62	14,500	11,890	0.82	3.86

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		35				40				45			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	11,125	6,898	0.62	3.82	10,625	6,588	0.62	4.10	10,125	6,278	0.62	4.44
20	18	12,000	6,000	0.50	3.92	11,625	5,813	0.50	4.22	10,875	5,438	0.50	4.54
20	20	13,000	4,940	0.38	4.02	12,500	4,750	0.38	4.30	11,750	4,465	0.38	4.62
22	16	11,125	7,788	0.70	3.82	10,625	7,438	0.70	4.10	10,125	7,088	0.70	4.44
22	18	12,000	6,960	0.58	3.92	11,625	6,743	0.58	4.22	10,875	6,308	0.58	4.54
22	20	13,000	5,980	0.46	4.02	12,500	5,750	0.46	4.30	11,750	5,405	0.46	4.62
24	16	11,125	8,678	0.78	3.82	10,625	8,288	0.78	4.10	10,125	7,898	0.78	4.44
24	18	12,000	7,920	0.66	3.92	11,625	7,673	0.66	4.22	10,875	7,178	0.66	4.54
24	20	13,000	7,020	0.54	4.02	12,500	6,750	0.54	4.30	11,750	6,345	0.54	4.62
24	22	14,000	5,880	0.42	4.10	13,500	5,670	0.42	4.42	12,750	5,355	0.42	4.70
26	16	11,125	9,568	0.86	3.82	10,625	9,138	0.86	4.10	10,125	8,708	0.86	4.44
26	18	12,000	8,880	0.74	3.92	11,625	8,603	0.74	4.22	10,875	8,048	0.74	4.54
26	20	13,000	8,060	0.62	4.02	12,500	7,750	0.62	4.30	11,750	7,285	0.62	4.62
26	22	14,000	7,000	0.50	4.10	13,500	6,750	0.50	4.42	12,750	6,375	0.50	4.70
27	16	11,125	10,013	0.90	3.82	10,625	9,563	0.90	4.10	10,125	9,113	0.90	4.44
27	18	12,000	9,360	0.78	3.92	11,625	9,068	0.78	4.22	10,875	8,483	0.78	4.54
27	20	13,000	8,580	0.66	4.02	12,500	8,250	0.66	4.30	11,750	7,755	0.66	4.62
27	22	14,000	7,560	0.54	4.10	13,500	7,290	0.54	4.42	12,750	6,885	0.54	4.70
28	16	11,125	10,458	0.94	3.82	10,625	9,988	0.94	4.10	10,125	9,518	0.94	4.44
28	18	12,000	9,840	0.82	3.92	11,625	9,533	0.82	4.22	10,875	8,918	0.82	4.54
28	20	13,000	9,100	0.70	4.02	12,500	8,750	0.70	4.30	11,750	8,225	0.70	4.62
28	22	14,000	8,120	0.58	4.10	13,500	7,830	0.58	4.42	12,750	7,395	0.58	4.70
30	16	11,125	11,125	1.00	3.82	10,625	10,625	1.00	4.10	10,125	10,125	1.00	4.44
30	18	12,000	10,800	0.90	3.92	11,625	10,463	0.90	4.22	10,875	9,788	0.90	4.54
30	20	13,000	10,140	0.78	4.02	12,500	9,750	0.78	4.30	11,750	9,165	0.78	4.62
30	22	14,000	9,240	0.66	4.10	13,500	8,910	0.66	4.42	12,750	8,415	0.66	4.70
32	16	11,125	11,125	1.00	3.82	10,625	10,625	1.00	4.10	10,125	10,125	1.00	4.44
32	18	12,000	11,760	0.98	3.92	11,625	11,393	0.98	4.22	10,875	10,658	0.98	4.54
32	20	13,000	11,180	0.86	4.02	12,500	10,750	0.86	4.30	11,750	10,105	0.86	4.62
32	22	14,000	10,360	0.74	4.10	13,500	9,990	0.74	4.42	12,750	9,435	0.74	4.70
34	16	11,125	11,125	1.00	3.82	10,625	10,625	1.00	4.10	10,125	10,125	1.00	4.44
34	18	12,000	12,000	1.00	3.92	11,625	11,625	1.00	4.22	10,875	10,875	1.00	4.54
34	20	13,000	12,220	0.94	4.02	12,500	11,750	0.94	4.30	11,750	11,045	0.94	4.62
34	22	14,000	11,480	0.82	4.10	13,500	11,070	0.82	4.42	12,750	10,455	0.82	4.70

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M140KA / PUHZ-ZRP140VKA3 PUHZ-ZRP140YKA3

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		20				25				30			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	13,266	8,225	0.62	3.16	12,864	7,976	0.62	3.34	12,462	7,726	0.62	3.54
20	18	14,204	7,102	0.50	3.22	13,802	6,901	0.50	3.40	13,333	6,667	0.50	3.63
20	20	15,276	5,805	0.38	3.32	14,941	5,678	0.38	3.48	14,539	5,525	0.38	3.71
22	16	13,266	9,286	0.70	3.16	12,864	9,005	0.70	3.34	12,462	8,723	0.70	3.54
22	18	14,204	8,238	0.58	3.22	13,802	8,005	0.58	3.40	13,333	7,733	0.58	3.63
22	20	15,276	7,027	0.46	3.32	14,941	6,873	0.46	3.48	14,539	6,688	0.46	3.71
24	16	13,266	10,347	0.78	3.16	12,864	10,034	0.78	3.34	12,462	9,720	0.78	3.54
24	18	14,204	9,375	0.66	3.22	13,802	9,109	0.66	3.40	13,333	8,800	0.66	3.63
24	20	15,276	8,249	0.54	3.32	14,941	8,068	0.54	3.48	14,539	7,851	0.54	3.71
24	22	16,281	6,838	0.42	3.40	15,946	6,697	0.42	3.59	15,544	6,528	0.42	3.83
26	16	13,266	11,409	0.86	3.16	12,864	11,063	0.86	3.34	12,462	10,717	0.86	3.54
26	18	14,204	10,511	0.74	3.22	13,802	10,213	0.74	3.40	13,333	9,866	0.74	3.63
26	20	15,276	9,471	0.62	3.32	14,941	9,263	0.62	3.48	14,539	9,014	0.62	3.71
26	22	16,281	8,141	0.50	3.40	15,946	7,973	0.50	3.59	15,544	7,772	0.50	3.83
27	16	13,266	11,939	0.90	3.16	12,864	11,578	0.90	3.34	12,462	11,216	0.90	3.54
27	18	14,204	11,079	0.78	3.22	13,802	10,766	0.78	3.40	13,333	10,400	0.78	3.63
27	20	15,276	10,082	0.66	3.32	14,941	9,861	0.66	3.48	14,539	9,596	0.66	3.71
27	22	16,281	8,792	0.54	3.40	15,946	8,611	0.54	3.59	15,544	8,394	0.54	3.83
28	16	13,266	12,470	0.94	3.16	12,864	12,092	0.94	3.34	12,462	11,714	0.94	3.54
28	18	14,204	11,647	0.82	3.22	13,802	11,318	0.82	3.40	13,333	10,933	0.82	3.63
28	20	15,276	10,693	0.70	3.32	14,941	10,459	0.70	3.48	14,539	10,177	0.70	3.71
28	22	16,281	9,443	0.58	3.40	15,946	9,249	0.58	3.59	15,544	9,016	0.58	3.83
30	16	13,266	13,266	1.00	3.16	12,864	12,864	1.00	3.34	12,462	12,462	1.00	3.54
30	18	14,204	12,784	0.90	3.22	13,802	12,422	0.90	3.40	13,333	12,000	0.90	3.63
30	20	15,276	11,915	0.78	3.32	14,941	11,654	0.78	3.48	14,539	11,340	0.78	3.71
30	22	16,281	10,745	0.66	3.40	15,946	10,524	0.66	3.59	15,544	10,259	0.66	3.83
32	16	13,266	13,266	1.00	3.16	12,864	12,864	1.00	3.34	12,462	12,462	1.00	3.54
32	18	14,204	13,920	0.98	3.22	13,802	13,526	0.98	3.40	13,333	13,066	0.98	3.63
32	20	15,276	13,137	0.86	3.32	14,941	12,849	0.86	3.48	14,539	12,504	0.86	3.71
32	22	16,281	12,048	0.74	3.40	15,946	11,800	0.74	3.59	15,544	11,503	0.74	3.83
34	16	13,266	13,266	1.00	3.16	12,864	12,864	1.00	3.34	12,462	12,462	1.00	3.54
34	18	14,204	14,204	1.00	3.22	13,802	13,802	1.00	3.40	13,333	13,333	1.00	3.63
34	20	15,276	14,359	0.94	3.32	14,941	14,045	0.94	3.48	14,539	13,667	0.94	3.71
34	22	16,281	13,350	0.82	3.40	15,946	13,076	0.82	3.59	15,544	12,746	0.82	3.83

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		35				40				45			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	11,926	7,394	0.62	3.79	11,390	7,062	0.62	4.07	10,854	6,729	0.62	4.40
20	18	12,864	6,432	0.50	3.89	12,462	6,231	0.50	4.19	11,658	5,829	0.50	4.50
20	20	13,936	5,296	0.38	3.99	13,400	5,092	0.38	4.27	12,596	4,786	0.38	4.58
22	16	11,926	8,348	0.70	3.79	11,390	7,973	0.70	4.07	10,854	7,598	0.70	4.40
22	18	12,864	7,461	0.58	3.89	12,462	7,228	0.58	4.19	11,658	6,762	0.58	4.50
22	20	13,936	6,411	0.46	3.99	13,400	6,164	0.46	4.27	12,596	5,794	0.46	4.58
24	16	11,926	9,302	0.78	3.79	11,390	8,884	0.78	4.07	10,854	8,466	0.78	4.40
24	18	12,864	8,490	0.66	3.89	12,462	8,225	0.66	4.19	11,658	7,694	0.66	4.50
24	20	13,936	7,525	0.54	3.99	13,400	7,236	0.54	4.27	12,596	6,802	0.54	4.58
24	22	15,008	6,303	0.42	4.07	14,472	6,078	0.42	4.38	13,668	5,741	0.42	4.66
26	16	11,926	10,256	0.86	3.79	11,390	9,795	0.86	4.07	10,854	9,334	0.86	4.40
26	18	12,864	9,519	0.74	3.89	12,462	9,222	0.74	4.19	11,658	8,627	0.74	4.50
26	20	13,936	8,640	0.62	3.99	13,400	8,308	0.62	4.27	12,596	7,810	0.62	4.58
26	22	15,008	7,504	0.50	4.07	14,472	7,236	0.50	4.38	13,668	6,834	0.50	4.66
27	16	11,926	10,733	0.90	3.79	11,390	10,251	0.90	4.07	10,854	9,769	0.90	4.40
27	18	12,864	10,034	0.78	3.89	12,462	9,720	0.78	4.19	11,658	9,093	0.78	4.50
27	20	13,936	9,198	0.66	3.99	13,400	8,844	0.66	4.27	12,596	8,313	0.66	4.58
27	22	15,008	8,104	0.54	4.07	14,472	7,815	0.54	4.38	13,668	7,381	0.54	4.66
28	16	11,926	11,210	0.94	3.79	11,390	10,707	0.94	4.07	10,854	10,203	0.94	4.40
28	18	12,864	10,548	0.82	3.89	12,462	10,219	0.82	4.19	11,658	9,560	0.82	4.50
28	20	13,936	9,755	0.70	3.99	13,400	9,380	0.70	4.27	12,596	8,817	0.70	4.58
28	22	15,008	8,705	0.58	4.07	14,472	8,394	0.58	4.38	13,668	7,927	0.58	4.66
30	16	11,926	11,926	1.00	3.79	11,390	11,390	1.00	4.07	10,854	10,854	1.00	4.40
30	18	12,864	11,578	0.90	3.89	12,462	11,216	0.90	4.19	11,658	10,492	0.90	4.50
30	20	13,936	10,870	0.78	3.99	13,400	10,452	0.78	4.27	12,596	9,825	0.78	4.58
30	22	15,008	9,905	0.66	4.07	14,472	9,552	0.66	4.38	13,668	9,021	0.66	4.66
32	16	11,926	11,926	1.00	3.79	11,390	11,390	1.00	4.07	10,854	10,854	1.00	4.40
32	18	12,864	12,607	0.98	3.89	12,462	12,213	0.98	4.19	11,658	11,425	0.98	4.50
32	20	13,936	11,985	0.86	3.99	13,400	11,524	0.86	4.27	12,596	10,833	0.86	4.58
32	22	15,008	11,106	0.74	4.07	14,472	10,709	0.74	4.38	13,668	10,114	0.74	4.66
34	16	11,926	11,926	1.00	3.79	11,390	11,390	1.00	4.07	10,854	10,854	1.00	4.40
34	18	12,864	12,864	1.00	3.89	12,462	12,462	1.00	4.19	11,658	11,658	1.00	4.50
34	20	13,936	13,100	0.94	3.99	13,400	12,596	0.94	4.27	12,596	11,840	0.94	4.58
34	22	15,008	12,307	0.82	4.07	14,472	11,867	0.82	4.38	13,668	11,208	0.82	4.66

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M35KA / SUZ-KA35VA6

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4,230	2,961	0.70	0.840	4,050	2,835	0.70	0.882	3,888	2,722	0.70	0.924	3,744	2,621	0.70	0.966
21	20	4,410	2,558	0.58	0.882	4,230	2,453	0.58	0.935	4,104	2,380	0.58	0.956	3,960	2,297	0.58	0.998
22	18	4,230	3,130	0.74	0.840	4,050	2,997	0.74	0.882	3,888	2,877	0.74	0.924	3,744	2,771	0.74	0.966
22	20	4,410	2,734	0.62	0.882	4,230	2,623	0.62	0.935	4,104	2,544	0.62	0.956	3,960	2,455	0.62	0.998
22	22	4,590	2,295	0.50	0.914	4,428	2,214	0.50	0.971	4,320	2,160	0.50	0.998	4,140	2,070	0.50	1.040
23	18	4,230	3,299	0.78	0.840	4,050	3,159	0.78	0.882	3,888	3,033	0.78	0.924	3,744	2,920	0.78	0.966
23	20	4,410	2,911	0.66	0.882	4,230	2,792	0.66	0.935	4,104	2,709	0.66	0.956	3,960	2,614	0.66	0.998
23	22	4,590	2,479	0.54	0.914	4,428	2,391	0.54	0.971	4,320	2,333	0.54	0.998	4,140	2,236	0.54	1.040
24	18	4,230	3,469	0.82	0.840	4,050	3,321	0.82	0.882	3,888	3,188	0.82	0.924	3,744	3,070	0.82	0.966
24	20	4,410	3,087	0.70	0.882	4,230	2,961	0.70	0.935	4,104	2,873	0.70	0.956	3,960	2,772	0.70	0.998
24	22	4,590	2,662	0.58	0.914	4,428	2,568	0.58	0.971	4,320	2,506	0.58	0.998	4,140	2,401	0.58	1.040
24	24	4,824	2,219	0.46	0.956	4,644	2,136	0.46	1.008	4,536	2,087	0.46	1.040	4,392	2,020	0.46	1.092
25	20	4,410	3,263	0.74	0.882	4,230	3,130	0.74	0.935	4,104	3,037	0.74	0.956	3,960	2,930	0.74	0.998
25	22	4,590	2,846	0.62	0.914	4,428	2,745	0.62	0.971	4,320	2,678	0.62	0.998	4,140	2,567	0.62	1.040
25	24	4,824	2,412	0.50	0.956	4,644	2,322	0.50	1.008	4,536	2,268	0.50	1.040	4,392	2,196	0.50	1.092
26	18	4,230	3,807	0.90	0.840	4,050	3,645	0.90	0.882	3,888	3,499	0.90	0.924	3,744	3,370	0.90	0.966
26	20	4,410	3,440	0.78	0.882	4,230	3,299	0.78	0.935	4,104	3,201	0.78	0.956	3,960	3,089	0.78	0.998
26	22	4,590	3,029	0.66	0.914	4,428	2,922	0.66	0.971	4,320	2,851	0.66	0.998	4,140	2,732	0.66	1.040
26	24	4,824	2,605	0.54	0.956	4,644	2,508	0.54	1.008	4,536	2,449	0.54	1.040	4,392	2,372	0.54	1.092
26	26	4,968	2,087	0.42	1.008	4,824	2,026	0.42	1.061	4,752	1,996	0.42	1.092	4,608	1,935	0.42	1.124
27	18	4,230	3,976	0.94	0.840	4,050	3,807	0.94	0.882	3,888	3,655	0.94	0.924	3,744	3,519	0.94	0.966
27	20	4,410	3,616	0.82	0.882	4,230	3,469	0.82	0.935	4,104	3,365	0.82	0.956	3,960	3,247	0.82	0.998
27	22	4,590	3,213	0.70	0.914	4,428	3,100	0.70	0.971	4,320	3,024	0.70	0.998	4,140	2,898	0.70	1.040
27	24	4,824	2,798	0.58	0.956	4,644	2,694	0.58	1.008	4,536	2,631	0.58	1.040	4,392	2,547	0.58	1.092
27	26	4,968	2,285	0.46	1.008	4,824	2,219	0.46	1.061	4,752	2,186	0.46	1.092	4,608	2,120	0.46	1.124
28	18	4,230	4,145	0.98	0.840	4,050	3,969	0.98	0.882	3,888	3,810	0.98	0.924	3,744	3,669	0.98	0.966
28	20	4,410	3,793	0.86	0.882	4,230	3,638	0.86	0.935	4,104	3,529	0.86	0.956	3,960	3,406	0.86	0.998
28	22	4,590	3,397	0.74	0.914	4,428	3,277	0.74	0.971	4,320	3,197	0.74	0.998	4,140	3,064	0.74	1.040
28	24	4,824	2,991	0.62	0.956	4,644	2,879	0.62	1.008	4,536	2,812	0.62	1.040	4,392	2,723	0.62	1.092
28	26	4,968	2,484	0.50	1.008	4,824	2,412	0.50	1.061	4,752	2,376	0.50	1.092	4,608	2,304	0.50	1.124
29	18	4,230	4,315	1.02	0.840	4,050	4,131	1.02	0.882	3,888	3,966	1.02	0.924	3,744	3,819	1.02	0.966
29	20	4,410	3,969	0.90	0.882	4,230	3,807	0.90	0.935	4,104	3,694	0.90	0.956	3,960	3,564	0.90	0.998
29	22	4,590	3,580	0.78	0.914	4,428	3,454	0.78	0.971	4,320	3,370	0.78	0.998	4,140	3,229	0.78	1.040
29	24	4,824	3,184	0.66	0.956	4,644	3,065	0.66	1.008	4,536	2,994	0.66	1.040	4,392	2,899	0.66	1.092
29	26	4,968	2,683	0.54	1.008	4,824	2,605	0.54	1.061	4,752	2,566	0.54	1.092	4,608	2,488	0.54	1.124
30	18	4,230	4,484	1.06	0.840	4,050	4,293	1.06	0.882	3,888	4,121	1.06	0.924	3,744	3,969	1.06	0.966
30	20	4,410	4,145	0.94	0.882	4,230	3,976	0.94	0.935	4,104	3,858	0.94	0.956	3,960	3,722	0.94	0.998
30	22	4,590	3,764	0.82	0.914	4,428	3,631	0.82	0.971	4,320	3,542	0.82	0.998	4,140	3,395	0.82	1.040
30	24	4,824	3,377	0.70	0.956	4,644	3,251	0.70	1.008	4,536	3,175	0.70	1.040	4,392	3,074	0.70	1.092
30	26	4,968	2,881	0.58	1.008	4,824	2,798	0.58	1.061	4,752	2,756	0.58	1.092	4,608	2,673	0.58	1.124
31	18	4,230	4,653	1.10	0.840	4,050	4,455	1.10	0.882	3,888	4,277	1.10	0.924	3,744	4,118	1.10	0.966
31	20	4,410	4,322	0.98	0.882	4,230	4,145	0.98	0.935	4,104	4,022	0.98	0.956	3,960	3,881	0.98	0.998
31	22	4,590	3,947	0.86	0.914	4,428	3,808	0.86	0.971	4,320	3,715	0.86	0.998	4,140	3,560	0.86	1.040
31	24	4,824	3,570	0.74	0.956	4,644	3,437	0.74	1.008	4,536	3,357	0.74	1.040	4,392	3,250	0.74	1.092
31	26	4,968	3,080	0.62	1.008	4,824	2,991	0.62	1.061	4,752	2,946	0.62	1.092	4,608	2,857	0.62	1.124
32	18	4,230	4,822	1.14	0.840	4,050	4,617	1.14	0.882	3,888	4,432	1.14	0.924	3,744	4,268	1.14	0.966
32	20	4,410	4,498	1.02	0.882	4,230	4,315	1.02	0.935	4,104	4,186	1.02	0.956	3,960	4,039	1.02	0.998
32	22	4,590	4,131	0.90	0.914	4,428	3,985	0.90	0.971	4,320	3,888	0.90	0.998	4,140	3,726	0.90	1.040
32	24	4,824	3,763	0.78	0.956	4,644	3,622	0.78	1.008	4,536	3,538	0.78	1.040	4,392	3,426	0.78	1.092
32	26	4,968	3,279	0.66	1.008	4,824	3,184	0.66	1.061	4,752	3,136	0.66	1.092	4,608	3,041	0.66	1.124

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M35KA / SUZ-KA35VA6

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3,528	2,470	0.70	1.029	3,240	2,268	0.70	1.092	2,988	2,092	0.70	1.134
21	20	3,708	2,151	0.58	1.071	3,456	2,004	0.58	1.124	3,204	1,858	0.58	1.187
22	18	3,528	2,611	0.74	1.029	3,240	2,398	0.74	1.092	2,988	2,211	0.74	1.134
22	20	3,708	2,299	0.62	1.071	3,456	2,143	0.62	1.124	3,204	1,986	0.62	1.187
22	22	3,924	1,962	0.50	1.113	3,672	1,836	0.50	1.176	3,420	1,710	0.50	1.218
23	18	3,528	2,752	0.78	1.029	3,240	2,527	0.78	1.092	2,988	2,331	0.78	1.134
23	20	3,708	2,447	0.66	1.071	3,456	2,281	0.66	1.124	3,204	2,115	0.66	1.187
23	22	3,924	2,119	0.54	1.113	3,672	1,983	0.54	1.176	3,420	1,847	0.54	1.218
24	18	3,528	2,893	0.82	1.029	3,240	2,657	0.82	1.092	2,988	2,450	0.82	1.134
24	20	3,708	2,596	0.70	1.071	3,456	2,419	0.70	1.124	3,204	2,243	0.70	1.187
24	22	3,924	2,276	0.58	1.113	3,672	2,130	0.58	1.176	3,420	1,984	0.58	1.218
24	24	4,140	1,904	0.46	1.155	3,888	1,788	0.46	1.208	3,672	1,689	0.46	1.260
25	20	3,708	2,744	0.74	1.071	3,456	2,557	0.74	1.124	3,204	2,371	0.74	1.187
25	22	3,924	2,433	0.62	1.113	3,672	2,277	0.62	1.176	3,420	2,120	0.62	1.218
25	24	4,140	2,070	0.50	1.155	3,888	1,944	0.50	1.208	3,672	1,836	0.50	1.260
26	18	3,528	3,175	0.90	1.029	3,240	2,916	0.90	1.092	2,988	2,689	0.90	1.134
26	20	3,708	2,892	0.78	1.071	3,456	2,696	0.78	1.124	3,204	2,499	0.78	1.187
26	22	3,924	2,590	0.66	1.113	3,672	2,424	0.66	1.176	3,420	2,257	0.66	1.218
26	24	4,140	2,236	0.54	1.155	3,888	2,100	0.54	1.208	3,672	1,983	0.54	1.260
26	26	4,356	1,830	0.42	1.197	4,104	1,724	0.42	1.250	3,852	1,618	0.42	1.302
27	18	3,528	3,316	0.94	1.029	3,240	3,046	0.94	1.092	2,988	2,809	0.94	1.134
27	20	3,708	3,041	0.82	1.071	3,456	2,834	0.82	1.124	3,204	2,627	0.82	1.187
27	22	3,924	2,747	0.70	1.113	3,672	2,570	0.70	1.176	3,420	2,394	0.70	1.218
27	24	4,140	2,401	0.58	1.155	3,888	2,255	0.58	1.208	3,672	2,130	0.58	1.260
27	26	4,356	2,004	0.46	1.197	4,104	1,888	0.46	1.250	3,852	1,772	0.46	1.302
28	18	3,528	3,457	0.98	1.029	3,240	3,175	0.98	1.092	2,988	2,928	0.98	1.134
28	20	3,708	3,189	0.86	1.071	3,456	2,972	0.86	1.124	3,204	2,755	0.86	1.187
28	22	3,924	2,904	0.74	1.113	3,672	2,717	0.74	1.176	3,420	2,531	0.74	1.218
28	24	4,140	2,567	0.62	1.155	3,888	2,411	0.62	1.208	3,672	2,277	0.62	1.260
28	26	4,356	2,178	0.50	1.197	4,104	2,052	0.50	1.250	3,852	1,926	0.50	1.302
29	18	3,528	3,599	1.02	1.029	3,240	3,305	1.02	1.092	2,988	3,048	1.02	1.134
29	20	3,708	3,337	0.90	1.071	3,456	3,110	0.90	1.124	3,204	2,884	0.90	1.187
29	22	3,924	3,061	0.78	1.113	3,672	2,864	0.78	1.176	3,420	2,668	0.78	1.218
29	24	4,140	2,732	0.66	1.155	3,888	2,566	0.66	1.208	3,672	2,424	0.66	1.260
29	26	4,356	2,352	0.54	1.197	4,104	2,216	0.54	1.250	3,852	2,080	0.54	1.302
30	18	3,528	3,740	1.06	1.029	3,240	3,434	1.06	1.092	2,988	3,167	1.06	1.134
30	20	3,708	3,486	0.94	1.071	3,456	3,249	0.94	1.124	3,204	3,012	0.94	1.187
30	22	3,924	3,218	0.82	1.113	3,672	3,011	0.82	1.176	3,420	2,804	0.82	1.218
30	24	4,140	2,898	0.70	1.155	3,888	2,722	0.70	1.208	3,672	2,570	0.70	1.260
30	26	4,356	2,526	0.58	1.197	4,104	2,380	0.58	1.250	3,852	2,234	0.58	1.302
31	18	3,528	3,881	1.10	1.029	3,240	3,564	1.10	1.092	2,988	3,287	1.10	1.134
31	20	3,708	3,634	0.98	1.071	3,456	3,387	0.98	1.124	3,204	3,140	0.98	1.187
31	22	3,924	3,375	0.86	1.113	3,672	3,158	0.86	1.176	3,420	2,941	0.86	1.218
31	24	4,140	3,064	0.74	1.155	3,888	2,877	0.74	1.208	3,672	2,717	0.74	1.260
31	26	4,356	2,701	0.62	1.197	4,104	2,544	0.62	1.250	3,852	2,388	0.62	1.302
32	18	3,528	4,022	1.14	1.029	3,240	3,694	1.14	1.092	2,988	3,406	1.14	1.134
32	20	3,708	3,782	1.02	1.071	3,456	3,525	1.02	1.124	3,204	3,268	1.02	1.187
32	22	3,924	3,532	0.90	1.113	3,672	3,305	0.90	1.176	3,420	3,078	0.90	1.218
32	24	4,140	3,229	0.78	1.155	3,888	3,033	0.78	1.208	3,672	2,864	0.78	1.260
32	26	4,356	2,875	0.66	1.197	4,104	2,709	0.66	1.250	3,852	2,542	0.66	1.302

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M50KA / SUZ-KA50VA6

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5,875	3,584	0.61	1.240	5,625	3,431	0.61	1.302	5,400	3,294	0.61	1.364	5,200	3,172	0.61	1.426
21	20	6,125	3,001	0.49	1.302	5,875	2,879	0.49	1.380	5,700	2,793	0.49	1.411	5,500	2,695	0.49	1.473
22	18	5,875	3,819	0.65	1.240	5,625	3,656	0.65	1.302	5,400	3,510	0.65	1.364	5,200	3,380	0.65	1.426
22	20	6,125	3,246	0.53	1.302	5,875	3,114	0.53	1.380	5,700	3,021	0.53	1.411	5,500	2,915	0.53	1.473
22	22	6,375	2,614	0.41	1.349	6,150	2,522	0.41	1.434	6,000	2,460	0.41	1.473	5,750	2,358	0.41	1.535
23	18	5,875	4,054	0.69	1.240	5,625	3,881	0.69	1.302	5,400	3,726	0.69	1.364	5,200	3,588	0.69	1.426
23	20	6,125	3,491	0.57	1.302	5,875	3,349	0.57	1.380	5,700	3,249	0.57	1.411	5,500	3,135	0.57	1.473
23	22	6,375	2,869	0.45	1.349	6,150	2,768	0.45	1.434	6,000	2,700	0.45	1.473	5,750	2,588	0.45	1.535
24	18	5,875	4,289	0.73	1.240	5,625	4,106	0.73	1.302	5,400	3,942	0.73	1.364	5,200	3,796	0.73	1.426
24	20	6,125	3,736	0.61	1.302	5,875	3,584	0.61	1.380	5,700	3,477	0.61	1.411	5,500	3,355	0.61	1.473
24	22	6,375	3,124	0.49	1.349	6,150	3,014	0.49	1.434	6,000	2,940	0.49	1.473	5,750	2,818	0.49	1.535
24	24	6,700	2,479	0.37	1.411	6,450	2,387	0.37	1.488	6,300	2,331	0.37	1.535	6,100	2,257	0.37	1.612
25	20	6,125	3,981	0.65	1.302	5,875	3,819	0.65	1.380	5,700	3,705	0.65	1.411	5,500	3,575	0.65	1.473
25	22	6,375	3,379	0.53	1.349	6,150	3,260	0.53	1.434	6,000	3,180	0.53	1.473	5,750	3,048	0.53	1.535
25	24	6,700	2,747	0.41	1.411	6,450	2,645	0.41	1.488	6,300	2,583	0.41	1.535	6,100	2,501	0.41	1.612
26	18	5,875	4,759	0.81	1.240	5,625	4,556	0.81	1.302	5,400	4,374	0.81	1.364	5,200	4,212	0.81	1.426
26	20	6,125	4,226	0.69	1.302	5,875	4,054	0.69	1.380	5,700	3,933	0.69	1.411	5,500	3,795	0.69	1.473
26	22	6,375	3,634	0.57	1.349	6,150	3,506	0.57	1.434	6,000	3,420	0.57	1.473	5,750	3,278	0.57	1.535
26	24	6,700	3,015	0.45	1.411	6,450	2,903	0.45	1.488	6,300	2,835	0.45	1.535	6,100	2,745	0.45	1.612
26	26	6,900	2,277	0.33	1.488	6,700	2,211	0.33	1.566	6,600	2,178	0.33	1.612	6,400	2,112	0.33	1.659
27	18	5,875	4,994	0.85	1.240	5,625	4,781	0.85	1.302	5,400	4,590	0.85	1.364	5,200	4,420	0.85	1.426
27	20	6,125	4,471	0.73	1.302	5,875	4,289	0.73	1.380	5,700	4,161	0.73	1.411	5,500	4,015	0.73	1.473
27	22	6,375	3,889	0.61	1.349	6,150	3,752	0.61	1.434	6,000	3,660	0.61	1.473	5,750	3,508	0.61	1.535
27	24	6,700	3,283	0.49	1.411	6,450	3,161	0.49	1.488	6,300	3,087	0.49	1.535	6,100	2,989	0.49	1.612
27	26	6,900	2,553	0.37	1.488	6,700	2,479	0.37	1.566	6,600	2,442	0.37	1.612	6,400	2,368	0.37	1.659
28	18	5,875	5,229	0.89	1.240	5,625	5,006	0.89	1.302	5,400	4,806	0.89	1.364	5,200	4,628	0.89	1.426
28	20	6,125	4,716	0.77	1.302	5,875	4,524	0.77	1.380	5,700	4,389	0.77	1.411	5,500	4,235	0.77	1.473
28	22	6,375	4,144	0.65	1.349	6,150	3,998	0.65	1.434	6,000	3,900	0.65	1.473	5,750	3,738	0.65	1.535
28	24	6,700	3,551	0.53	1.411	6,450	3,419	0.53	1.488	6,300	3,339	0.53	1.535	6,100	3,233	0.53	1.612
28	26	6,900	2,829	0.41	1.488	6,700	2,747	0.41	1.566	6,600	2,706	0.41	1.612	6,400	2,624	0.41	1.659
29	18	5,875	5,464	0.93	1.240	5,625	5,231	0.93	1.302	5,400	5,022	0.93	1.364	5,200	4,836	0.93	1.426
29	20	6,125	4,961	0.81	1.302	5,875	4,759	0.81	1.380	5,700	4,617	0.81	1.411	5,500	4,455	0.81	1.473
29	22	6,375	4,399	0.69	1.349	6,150	4,244	0.69	1.434	6,000	4,140	0.69	1.473	5,750	3,968	0.69	1.535
29	24	6,700	3,819	0.57	1.411	6,450	3,677	0.57	1.488	6,300	3,591	0.57	1.535	6,100	3,477	0.57	1.612
29	26	6,900	3,105	0.45	1.488	6,700	3,015	0.45	1.566	6,600	2,970	0.45	1.612	6,400	2,880	0.45	1.659
30	18	5,875	5,699	0.97	1.240	5,625	5,456	0.97	1.302	5,400	5,238	0.97	1.364	5,200	5,044	0.97	1.426
30	20	6,125	5,206	0.85	1.302	5,875	4,994	0.85	1.380	5,700	4,845	0.85	1.411	5,500	4,675	0.85	1.473
30	22	6,375	4,654	0.73	1.349	6,150	4,490	0.73	1.434	6,000	4,380	0.73	1.473	5,750	4,198	0.73	1.535
30	24	6,700	4,087	0.61	1.411	6,450	3,935	0.61	1.488	6,300	3,843	0.61	1.535	6,100	3,721	0.61	1.612
30	26	6,900	3,381	0.49	1.488	6,700	3,283	0.49	1.566	6,600	3,234	0.49	1.612	6,400	3,136	0.49	1.659
31	18	5,875	5,934	1.01	1.240	5,625	5,681	1.01	1.302	5,400	5,454	1.01	1.364	5,200	5,252	1.01	1.426
31	20	6,125	5,451	0.89	1.302	5,875	5,229	0.89	1.380	5,700	5,073	0.89	1.411	5,500	4,895	0.89	1.473
31	22	6,375	4,909	0.77	1.349	6,150	4,736	0.77	1.434	6,000	4,620	0.77	1.473	5,750	4,428	0.77	1.535
31	24	6,700	4,355	0.65	1.411	6,450	4,193	0.65	1.488	6,300	4,095	0.65	1.535	6,100	3,965	0.65	1.612
31	26	6,900	3,657	0.53	1.488	6,700	3,551	0.53	1.566	6,600	3,498	0.53	1.612	6,400	3,392	0.53	1.659
32	18	5,875	6,169	1.05	1.240	5,625	5,906	1.05	1.302	5,400	5,670	1.05	1.364	5,200	5,460	1.05	1.426
32	20	6,125	5,696	0.93	1.302	5,875	5,464	0.93	1.380	5,700	5,301	0.93	1.411	5,500	5,115	0.93	1.473
32	22	6,375	5,164	0.81	1.349	6,150	4,982	0.81	1.434	6,000	4,860	0.81	1.473	5,750	4,658	0.81	1.535
32	24	6,700	4,623	0.69	1.411	6,450	4,451	0.69	1.488	6,300	4,347	0.69	1.535	6,100	4,209	0.69	1.612
32	26	6,900	3,933	0.57	1.488	6,700	3,819	0.57	1.566	6,600	3,762	0.57	1.612	6,400	3,648	0.57	1.659

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M50KA / SUZ-KA50VA6

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4,900	2,989	0.61	1.519	4,500	2,745	0.61	1.612	4,150	2,532	0.61	1.674
21	20	5,150	2,524	0.49	1.581	4,800	2,352	0.49	1.659	4,450	2,181	0.49	1.752
22	18	4,900	3,185	0.65	1.519	4,500	2,925	0.65	1.612	4,150	2,698	0.65	1.674
22	20	5,150	2,730	0.53	1.581	4,800	2,544	0.53	1.659	4,450	2,359	0.53	1.752
22	22	5,450	2,235	0.41	1.643	5,100	2,091	0.41	1.736	4,750	1,948	0.41	1.798
23	18	4,900	3,381	0.69	1.519	4,500	3,105	0.69	1.612	4,150	2,864	0.69	1.674
23	20	5,150	2,936	0.57	1.581	4,800	2,736	0.57	1.659	4,450	2,537	0.57	1.752
23	22	5,450	2,453	0.45	1.643	5,100	2,295	0.45	1.736	4,750	2,138	0.45	1.798
24	18	4,900	3,577	0.73	1.519	4,500	3,285	0.73	1.612	4,150	3,030	0.73	1.674
24	20	5,150	3,142	0.61	1.581	4,800	2,928	0.61	1.659	4,450	2,715	0.61	1.752
24	22	5,450	2,671	0.49	1.643	5,100	2,499	0.49	1.736	4,750	2,328	0.49	1.798
24	24	5,750	2,128	0.37	1.705	5,400	1,998	0.37	1.783	5,100	1,887	0.37	1.860
25	20	5,150	3,348	0.65	1.581	4,800	3,120	0.65	1.659	4,450	2,893	0.65	1.752
25	22	5,450	2,889	0.53	1.643	5,100	2,703	0.53	1.736	4,750	2,518	0.53	1.798
25	24	5,750	2,358	0.41	1.705	5,400	2,214	0.41	1.783	5,100	2,091	0.41	1.860
26	18	4,900	3,969	0.81	1.519	4,500	3,645	0.81	1.612	4,150	3,362	0.81	1.674
26	20	5,150	3,554	0.69	1.581	4,800	3,312	0.69	1.659	4,450	3,071	0.69	1.752
26	22	5,450	3,107	0.57	1.643	5,100	2,907	0.57	1.736	4,750	2,708	0.57	1.798
26	24	5,750	2,588	0.45	1.705	5,400	2,430	0.45	1.783	5,100	2,295	0.45	1.860
26	26	6,050	1,997	0.33	1.767	5,700	1,881	0.33	1.845	5,350	1,766	0.33	1.922
27	18	4,900	4,165	0.85	1.519	4,500	3,825	0.85	1.612	4,150	3,528	0.85	1.674
27	20	5,150	3,760	0.73	1.581	4,800	3,504	0.73	1.659	4,450	3,249	0.73	1.752
27	22	5,450	3,325	0.61	1.643	5,100	3,111	0.61	1.736	4,750	2,898	0.61	1.798
27	24	5,750	2,818	0.49	1.705	5,400	2,646	0.49	1.783	5,100	2,499	0.49	1.860
27	26	6,050	2,239	0.37	1.767	5,700	2,109	0.37	1.845	5,350	1,980	0.37	1.922
28	18	4,900	4,361	0.89	1.519	4,500	4,005	0.89	1.612	4,150	3,694	0.89	1.674
28	20	5,150	3,966	0.77	1.581	4,800	3,696	0.77	1.659	4,450	3,427	0.77	1.752
28	22	5,450	3,543	0.65	1.643	5,100	3,315	0.65	1.736	4,750	3,088	0.65	1.798
28	24	5,750	3,048	0.53	1.705	5,400	2,862	0.53	1.783	5,100	2,703	0.53	1.860
28	26	6,050	2,481	0.41	1.767	5,700	2,337	0.41	1.845	5,350	2,194	0.41	1.922
29	18	4,900	4,557	0.93	1.519	4,500	4,185	0.93	1.612	4,150	3,860	0.93	1.674
29	20	5,150	4,172	0.81	1.581	4,800	3,888	0.81	1.659	4,450	3,605	0.81	1.752
29	22	5,450	3,761	0.69	1.643	5,100	3,519	0.69	1.736	4,750	3,278	0.69	1.798
29	24	5,750	3,278	0.57	1.705	5,400	3,078	0.57	1.783	5,100	2,907	0.57	1.860
29	26	6,050	2,723	0.45	1.767	5,700	2,565	0.45	1.845	5,350	2,408	0.45	1.922
30	18	4,900	4,753	0.97	1.519	4,500	4,365	0.97	1.612	4,150	4,026	0.97	1.674
30	20	5,150	4,378	0.85	1.581	4,800	4,080	0.85	1.659	4,450	3,783	0.85	1.752
30	22	5,450	3,979	0.73	1.643	5,100	3,723	0.73	1.736	4,750	3,468	0.73	1.798
30	24	5,750	3,508	0.61	1.705	5,400	3,294	0.61	1.783	5,100	3,111	0.61	1.860
30	26	6,050	2,965	0.49	1.767	5,700	2,793	0.49	1.845	5,350	2,622	0.49	1.922
31	18	4,900	4,949	1.01	1.519	4,500	4,545	1.01	1.612	4,150	4,192	1.01	1.674
31	20	5,150	4,584	0.89	1.581	4,800	4,272	0.89	1.659	4,450	3,961	0.89	1.752
31	22	5,450	4,197	0.77	1.643	5,100	3,927	0.77	1.736	4,750	3,658	0.77	1.798
31	24	5,750	3,738	0.65	1.705	5,400	3,510	0.65	1.783	5,100	3,315	0.65	1.860
31	26	6,050	3,207	0.53	1.767	5,700	3,021	0.53	1.845	5,350	2,836	0.53	1.922
32	18	4,900	5,145	1.05	1.519	4,500	4,725	1.05	1.612	4,150	4,358	1.05	1.674
32	20	5,150	4,790	0.93	1.581	4,800	4,464	0.93	1.659	4,450	4,139	0.93	1.752
32	22	5,450	4,415	0.81	1.643	5,100	4,131	0.81	1.736	4,750	3,848	0.81	1.798
32	24	5,750	3,968	0.69	1.705	5,400	3,726	0.69	1.783	5,100	3,519	0.69	1.860
32	26	6,050	3,449	0.57	1.767	5,700	3,249	0.57	1.845	5,350	3,050	0.57	1.922

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M60KA / SUZ-KA60VA6

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,698	4,219	0.63	1.376	6,413	4,040	0.63	1.445	6,156	3,878	0.63	1.514	5,928	3,735	0.63	1.582
21	20	6,983	3,561	0.51	1.445	6,698	3,416	0.51	1.531	6,498	3,314	0.51	1.565	6,270	3,198	0.51	1.634
22	18	6,698	4,487	0.67	1.376	6,413	4,296	0.67	1.445	6,156	4,125	0.67	1.514	5,928	3,972	0.67	1.582
22	20	6,983	3,840	0.55	1.445	6,698	3,684	0.55	1.531	6,498	3,574	0.55	1.565	6,270	3,449	0.55	1.634
22	22	7,268	3,125	0.43	1.496	7,011	3,015	0.43	1.591	6,840	2,941	0.43	1.634	6,555	2,819	0.43	1.703
23	18	6,698	4,755	0.71	1.376	6,413	4,553	0.71	1.445	6,156	4,371	0.71	1.514	5,928	4,209	0.71	1.582
23	20	6,983	4,120	0.59	1.445	6,698	3,952	0.59	1.531	6,498	3,834	0.59	1.565	6,270	3,699	0.59	1.634
23	22	7,268	3,416	0.47	1.496	7,011	3,295	0.47	1.591	6,840	3,215	0.47	1.634	6,555	3,081	0.47	1.703
24	18	6,698	5,023	0.75	1.376	6,413	4,809	0.75	1.445	6,156	4,617	0.75	1.514	5,928	4,446	0.75	1.582
24	20	6,983	4,399	0.63	1.445	6,698	4,219	0.63	1.531	6,498	4,094	0.63	1.565	6,270	3,950	0.63	1.634
24	22	7,268	3,706	0.51	1.496	7,011	3,576	0.51	1.591	6,840	3,488	0.51	1.634	6,555	3,343	0.51	1.703
24	24	7,638	2,979	0.39	1.565	7,353	2,868	0.39	1.651	7,182	2,801	0.39	1.703	6,954	2,712	0.39	1.789
25	20	6,983	4,678	0.67	1.445	6,698	4,487	0.67	1.531	6,498	4,354	0.67	1.565	6,270	4,201	0.67	1.634
25	22	7,268	3,997	0.55	1.496	7,011	3,856	0.55	1.591	6,840	3,762	0.55	1.634	6,555	3,605	0.55	1.703
25	24	7,638	3,284	0.43	1.565	7,353	3,162	0.43	1.651	7,182	3,088	0.43	1.703	6,954	2,990	0.43	1.789
26	18	6,698	5,559	0.83	1.376	6,413	5,322	0.83	1.445	6,156	5,109	0.83	1.514	5,928	4,920	0.83	1.582
26	20	6,983	4,958	0.71	1.445	6,698	4,755	0.71	1.531	6,498	4,614	0.71	1.565	6,270	4,452	0.71	1.634
26	22	7,268	4,288	0.59	1.496	7,011	4,136	0.59	1.591	6,840	4,036	0.59	1.634	6,555	3,867	0.59	1.703
26	24	7,638	3,590	0.47	1.565	7,353	3,456	0.47	1.651	7,182	3,376	0.47	1.703	6,954	3,268	0.47	1.789
26	26	7,866	2,753	0.35	1.651	7,638	2,673	0.35	1.737	7,524	2,633	0.35	1.789	7,296	2,554	0.35	1.840
27	18	6,698	5,827	0.87	1.376	6,413	5,579	0.87	1.445	6,156	5,356	0.87	1.514	5,928	5,157	0.87	1.582
27	20	6,983	5,237	0.75	1.445	6,698	5,023	0.75	1.531	6,498	4,874	0.75	1.565	6,270	4,703	0.75	1.634
27	22	7,268	4,579	0.63	1.496	7,011	4,417	0.63	1.591	6,840	4,309	0.63	1.634	6,555	4,130	0.63	1.703
27	24	7,638	3,895	0.51	1.565	7,353	3,750	0.51	1.651	7,182	3,663	0.51	1.703	6,954	3,547	0.51	1.789
27	26	7,866	3,068	0.39	1.651	7,638	2,979	0.39	1.737	7,524	2,934	0.39	1.789	7,296	2,845	0.39	1.840
28	18	6,698	6,095	0.91	1.376	6,413	5,835	0.91	1.445	6,156	5,602	0.91	1.514	5,928	5,394	0.91	1.582
28	20	6,983	5,516	0.79	1.445	6,698	5,291	0.79	1.531	6,498	5,133	0.79	1.565	6,270	4,953	0.79	1.634
28	22	7,268	4,869	0.67	1.496	7,011	4,697	0.67	1.591	6,840	4,583	0.67	1.634	6,555	4,392	0.67	1.703
28	24	7,638	4,201	0.55	1.565	7,353	4,044	0.55	1.651	7,182	3,950	0.55	1.703	6,954	3,825	0.55	1.789
28	26	7,866	3,382	0.43	1.651	7,638	3,284	0.43	1.737	7,524	3,235	0.43	1.789	7,296	3,137	0.43	1.840
29	18	6,698	6,363	0.95	1.376	6,413	6,092	0.95	1.445	6,156	5,848	0.95	1.514	5,928	5,632	0.95	1.582
29	20	6,983	5,795	0.83	1.445	6,698	5,559	0.83	1.531	6,498	5,393	0.83	1.565	6,270	5,204	0.83	1.634
29	22	7,268	5,160	0.71	1.496	7,011	4,978	0.71	1.591	6,840	4,856	0.71	1.634	6,555	4,654	0.71	1.703
29	24	7,638	4,506	0.59	1.565	7,353	4,338	0.59	1.651	7,182	4,237	0.59	1.703	6,954	4,103	0.59	1.789
29	26	7,866	3,697	0.47	1.651	7,638	3,590	0.47	1.737	7,524	3,536	0.47	1.789	7,296	3,429	0.47	1.840
30	18	6,698	6,631	0.99	1.376	6,413	6,348	0.99	1.445	6,156	6,094	0.99	1.514	5,928	5,869	0.99	1.582
30	20	6,983	6,075	0.87	1.445	6,698	5,827	0.87	1.531	6,498	5,653	0.87	1.565	6,270	5,455	0.87	1.634
30	22	7,268	5,451	0.75	1.496	7,011	5,258	0.75	1.591	6,840	5,130	0.75	1.634	6,555	4,916	0.75	1.703
30	24	7,638	4,812	0.63	1.565	7,353	4,632	0.63	1.651	7,182	4,525	0.63	1.703	6,954	4,381	0.63	1.789
30	26	7,866	4,012	0.51	1.651	7,638	3,895	0.51	1.737	7,524	3,837	0.51	1.789	7,296	3,721	0.51	1.840
31	18	6,698	6,898	1.03	1.376	6,413	6,605	1.03	1.445	6,156	6,341	1.03	1.514	5,928	6,106	1.03	1.582
31	20	6,983	6,354	0.91	1.445	6,698	6,095	0.91	1.531	6,498	5,913	0.91	1.565	6,270	5,706	0.91	1.634
31	22	7,268	5,741	0.79	1.496	7,011	5,539	0.79	1.591	6,840	5,404	0.79	1.634	6,555	5,178	0.79	1.703
31	24	7,638	5,117	0.67	1.565	7,353	4,927	0.67	1.651	7,182	4,812	0.67	1.703	6,954	4,659	0.67	1.789
31	26	7,866	4,326	0.55	1.651	7,638	4,201	0.55	1.737	7,524	4,138	0.55	1.789	7,296	4,013	0.55	1.840
32	18	6,698	7,166	1.07	1.376	6,413	6,861	1.07	1.445	6,156	6,587	1.07	1.514	5,928	6,343	1.07	1.582
32	20	6,983	6,633	0.95	1.445	6,698	6,363	0.95	1.531	6,498	6,173	0.95	1.565	6,270	5,957	0.95	1.634
32	22	7,268	6,032	0.83	1.496	7,011	5,819	0.83	1.591	6,840	5,677	0.83	1.634	6,555	5,441	0.83	1.703
32	24	7,638	5,423	0.71	1.565	7,353	5,221	0.71	1.651	7,182	5,099	0.71	1.703	6,954	4,937	0.71	1.789
32	26	7,866	4,641	0.59	1.651	7,638	4,506	0.59	1.737	7,524	4,439	0.59	1.789	7,296	4,305	0.59	1.840

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M60KA / SUZ-KA60VA6

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5,586	3,519	0.63	1.686	5,130	3,232	0.63	1.789	4,731	2,981	0.63	1.858
21	20	5,871	2,994	0.51	1.754	5,472	2,791	0.51	1.840	5,073	2,587	0.51	1.944
22	18	5,586	3,743	0.67	1.686	5,130	3,437	0.67	1.789	4,731	3,170	0.67	1.858
22	20	5,871	3,229	0.55	1.754	5,472	3,010	0.55	1.840	5,073	2,790	0.55	1.944
22	22	6,213	2,672	0.43	1.823	5,814	2,500	0.43	1.926	5,415	2,328	0.43	1.995
23	18	5,586	3,966	0.71	1.686	5,130	3,642	0.71	1.789	4,731	3,359	0.71	1.858
23	20	5,871	3,464	0.59	1.754	5,472	3,228	0.59	1.840	5,073	2,993	0.59	1.944
23	22	6,213	2,920	0.47	1.823	5,814	2,733	0.47	1.926	5,415	2,545	0.47	1.995
24	18	5,586	4,190	0.75	1.686	5,130	3,848	0.75	1.789	4,731	3,548	0.75	1.858
24	20	5,871	3,699	0.63	1.754	5,472	3,447	0.63	1.840	5,073	3,196	0.63	1.944
24	22	6,213	3,169	0.51	1.823	5,814	2,965	0.51	1.926	5,415	2,762	0.51	1.995
24	24	6,555	2,556	0.39	1.892	6,156	2,401	0.39	1.978	5,814	2,267	0.39	2.064
25	20	5,871	3,934	0.67	1.754	5,472	3,666	0.67	1.840	5,073	3,399	0.67	1.944
25	22	6,213	3,417	0.55	1.823	5,814	3,198	0.55	1.926	5,415	2,978	0.55	1.995
25	24	6,555	2,819	0.43	1.892	6,156	2,647	0.43	1.978	5,814	2,500	0.43	2.064
26	18	5,586	4,636	0.83	1.686	5,130	4,258	0.83	1.789	4,731	3,927	0.83	1.858
26	20	5,871	4,168	0.71	1.754	5,472	3,885	0.71	1.840	5,073	3,602	0.71	1.944
26	22	6,213	3,666	0.59	1.823	5,814	3,430	0.59	1.926	5,415	3,195	0.59	1.995
26	24	6,555	3,081	0.47	1.892	6,156	2,893	0.47	1.978	5,814	2,733	0.47	2.064
26	26	6,897	2,414	0.35	1.961	6,498	2,274	0.35	2.047	6,099	2,135	0.35	2.133
27	18	5,586	4,860	0.87	1.686	5,130	4,463	0.87	1.789	4,731	4,116	0.87	1.858
27	20	5,871	4,403	0.75	1.754	5,472	4,104	0.75	1.840	5,073	3,805	0.75	1.944
27	22	6,213	3,914	0.63	1.823	5,814	3,663	0.63	1.926	5,415	3,411	0.63	1.995
27	24	6,555	3,343	0.51	1.892	6,156	3,140	0.51	1.978	5,814	2,965	0.51	2.064
27	26	6,897	2,690	0.39	1.961	6,498	2,534	0.39	2.047	6,099	2,379	0.39	2.133
28	18	5,586	5,083	0.91	1.686	5,130	4,668	0.91	1.789	4,731	4,305	0.91	1.858
28	20	5,871	4,638	0.79	1.754	5,472	4,323	0.79	1.840	5,073	4,008	0.79	1.944
28	22	6,213	4,163	0.67	1.823	5,814	3,895	0.67	1.926	5,415	3,628	0.67	1.995
28	24	6,555	3,605	0.55	1.892	6,156	3,386	0.55	1.978	5,814	3,198	0.55	2.064
28	26	6,897	2,966	0.43	1.961	6,498	2,794	0.43	2.047	6,099	2,623	0.43	2.133
29	18	5,586	5,307	0.95	1.686	5,130	4,874	0.95	1.789	4,731	4,494	0.95	1.858
29	20	5,871	4,873	0.83	1.754	5,472	4,542	0.83	1.840	5,073	4,211	0.83	1.944
29	22	6,213	4,411	0.71	1.823	5,814	4,128	0.71	1.926	5,415	3,845	0.71	1.995
29	24	6,555	3,867	0.59	1.892	6,156	3,632	0.59	1.978	5,814	3,430	0.59	2.064
29	26	6,897	3,242	0.47	1.961	6,498	3,054	0.47	2.047	6,099	2,867	0.47	2.133
30	18	5,586	5,530	0.99	1.686	5,130	5,079	0.99	1.789	4,731	4,684	0.99	1.858
30	20	5,871	5,108	0.87	1.754	5,472	4,761	0.87	1.840	5,073	4,414	0.87	1.944
30	22	6,213	4,660	0.75	1.823	5,814	4,361	0.75	1.926	5,415	4,061	0.75	1.995
30	24	6,555	4,130	0.63	1.892	6,156	3,878	0.63	1.978	5,814	3,663	0.63	2.064
30	26	6,897	3,517	0.51	1.961	6,498	3,314	0.51	2.047	6,099	3,110	0.51	2.133
31	18	5,586	5,754	1.03	1.686	5,130	5,284	1.03	1.789	4,731	4,873	1.03	1.858
31	20	5,871	5,343	0.91	1.754	5,472	4,980	0.91	1.840	5,073	4,616	0.91	1.944
31	22	6,213	4,908	0.79	1.823	5,814	4,593	0.79	1.926	5,415	4,278	0.79	1.995
31	24	6,555	4,392	0.67	1.892	6,156	4,125	0.67	1.978	5,814	3,895	0.67	2.064
31	26	6,897	3,793	0.55	1.961	6,498	3,574	0.55	2.047	6,099	3,354	0.55	2.133
32	18	5,586	5,977	1.07	1.686	5,130	5,489	1.07	1.789	4,731	5,062	1.07	1.858
32	20	5,871	5,577	0.95	1.754	5,472	5,198	0.95	1.840	5,073	4,819	0.95	1.944
32	22	6,213	5,157	0.83	1.823	5,814	4,826	0.83	1.926	5,415	4,494	0.83	1.995
32	24	6,555	4,654	0.71	1.892	6,156	4,371	0.71	1.978	5,814	4,128	0.71	2.064
32	26	6,897	4,069	0.59	1.961	6,498	3,834	0.59	2.047	6,099	3,598	0.59	2.133

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M71KA / SUZ-KA71VA6

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8,343	4,839	0.58	1.648	7,988	4,633	0.58	1.730	7,668	4,447	0.58	1.813	7,384	4,283	0.58	1.895
21	20	8,698	4,001	0.46	1.730	8,343	3,838	0.46	1.833	8,094	3,723	0.46	1.875	7,810	3,593	0.46	1.957
22	18	8,343	5,172	0.62	1.648	7,988	4,952	0.62	1.730	7,668	4,754	0.62	1.813	7,384	4,578	0.62	1.895
22	20	8,698	4,349	0.50	1.730	8,343	4,171	0.50	1.833	8,094	4,047	0.50	1.875	7,810	3,905	0.50	1.957
22	22	9,053	3,440	0.38	1.792	8,733	3,319	0.38	1.906	8,520	3,238	0.38	1.957	8,165	3,103	0.38	2.039
23	18	8,343	5,506	0.66	1.648	7,988	5,272	0.66	1.730	7,668	5,061	0.66	1.813	7,384	4,873	0.66	1.895
23	20	8,698	4,697	0.54	1.730	8,343	4,505	0.54	1.833	8,094	4,371	0.54	1.875	7,810	4,217	0.54	1.957
23	22	9,053	3,802	0.42	1.792	8,733	3,668	0.42	1.906	8,520	3,578	0.42	1.957	8,165	3,429	0.42	2.039
24	18	8,343	5,840	0.70	1.648	7,988	5,591	0.70	1.730	7,668	5,368	0.70	1.813	7,384	5,169	0.70	1.895
24	20	8,698	5,045	0.58	1.730	8,343	4,839	0.58	1.833	8,094	4,695	0.58	1.875	7,810	4,530	0.58	1.957
24	22	9,053	4,164	0.46	1.792	8,733	4,017	0.46	1.906	8,520	3,919	0.46	1.957	8,165	3,756	0.46	2.039
24	24	9,514	3,235	0.34	1.875	9,159	3,114	0.34	1.978	8,946	3,042	0.34	2.039	8,662	2,945	0.34	2.142
25	20	8,698	5,392	0.62	1.730	8,343	5,172	0.62	1.833	8,094	5,018	0.62	1.875	7,810	4,842	0.62	1.957
25	22	9,053	4,526	0.50	1.792	8,733	4,367	0.50	1.906	8,520	4,260	0.50	1.957	8,165	4,083	0.50	2.039
25	24	9,514	3,615	0.38	1.875	9,159	3,480	0.38	1.978	8,946	3,399	0.38	2.039	8,662	3,292	0.38	2.142
26	18	8,343	6,507	0.78	1.648	7,988	6,230	0.78	1.730	7,668	5,981	0.78	1.813	7,384	5,760	0.78	1.895
26	20	8,698	5,740	0.66	1.730	8,343	5,506	0.66	1.833	8,094	5,342	0.66	1.875	7,810	5,155	0.66	1.957
26	22	9,053	4,888	0.54	1.792	8,733	4,716	0.54	1.906	8,520	4,601	0.54	1.957	8,165	4,409	0.54	2.039
26	24	9,514	3,996	0.42	1.875	9,159	3,847	0.42	1.978	8,946	3,757	0.42	2.039	8,662	3,638	0.42	2.142
26	26	9,798	2,939	0.30	1.978	9,514	2,854	0.30	2.081	9,372	2,812	0.30	2.142	9,088	2,726	0.30	2.204
27	18	8,343	6,841	0.82	1.648	7,988	6,550	0.82	1.730	7,668	6,288	0.82	1.813	7,384	6,055	0.82	1.895
27	20	8,698	6,088	0.70	1.730	8,343	5,840	0.70	1.833	8,094	5,666	0.70	1.875	7,810	5,467	0.70	1.957
27	22	9,053	5,250	0.58	1.792	8,733	5,065	0.58	1.906	8,520	4,942	0.58	1.957	8,165	4,736	0.58	2.039
27	24	9,514	4,376	0.46	1.875	9,159	4,213	0.46	1.978	8,946	4,115	0.46	2.039	8,662	3,985	0.46	2.142
27	26	9,798	3,331	0.34	1.978	9,514	3,235	0.34	2.081	9,372	3,186	0.34	2.142	9,088	3,090	0.34	2.204
28	18	8,343	7,175	0.86	1.648	7,988	6,869	0.86	1.730	7,668	6,594	0.86	1.813	7,384	6,350	0.86	1.895
28	20	8,698	6,436	0.74	1.730	8,343	6,173	0.74	1.833	8,094	5,990	0.74	1.875	7,810	5,779	0.74	1.957
28	22	9,053	5,613	0.62	1.792	8,733	5,414	0.62	1.906	8,520	5,282	0.62	1.957	8,165	5,062	0.62	2.039
28	24	9,514	4,757	0.50	1.875	9,159	4,580	0.50	1.978	8,946	4,473	0.50	2.039	8,662	4,331	0.50	2.142
28	26	9,798	3,723	0.38	1.978	9,514	3,615	0.38	2.081	9,372	3,561	0.38	2.142	9,088	3,453	0.38	2.204
29	18	8,343	7,508	0.90	1.648	7,988	7,189	0.90	1.730	7,668	6,901	0.90	1.813	7,384	6,646	0.90	1.895
29	20	8,698	6,784	0.78	1.730	8,343	6,507	0.78	1.833	8,094	6,313	0.78	1.875	7,810	6,092	0.78	1.957
29	22	9,053	5,975	0.66	1.792	8,733	5,764	0.66	1.906	8,520	5,623	0.66	1.957	8,165	5,389	0.66	2.039
29	24	9,514	5,138	0.54	1.875	9,159	4,946	0.54	1.978	8,946	4,831	0.54	2.039	8,662	4,677	0.54	2.142
29	26	9,798	4,115	0.42	1.978	9,514	3,996	0.42	2.081	9,372	3,936	0.42	2.142	9,088	3,817	0.42	2.204
30	18	8,343	7,842	0.94	1.648	7,988	7,508	0.94	1.730	7,668	7,208	0.94	1.813	7,384	6,941	0.94	1.895
30	20	8,698	7,132	0.82	1.730	8,343	6,841	0.82	1.833	8,094	6,637	0.82	1.875	7,810	6,404	0.82	1.957
30	22	9,053	6,337	0.70	1.792	8,733	6,113	0.70	1.906	8,520	5,964	0.70	1.957	8,165	5,716	0.70	2.039
30	24	9,514	5,518	0.58	1.875	9,159	5,312	0.58	1.978	8,946	5,189	0.58	2.039	8,662	5,024	0.58	2.142
30	26	9,798	4,507	0.46	1.978	9,514	4,376	0.46	2.081	9,372	4,311	0.46	2.142	9,088	4,180	0.46	2.204
31	18	8,343	8,176	0.98	1.648	7,988	7,828	0.98	1.730	7,668	7,515	0.98	1.813	7,384	7,236	0.98	1.895
31	20	8,698	7,480	0.86	1.730	8,343	7,175	0.86	1.833	8,094	6,961	0.86	1.875	7,810	6,717	0.86	1.957
31	22	9,053	6,699	0.74	1.792	8,733	6,462	0.74	1.906	8,520	6,305	0.74	1.957	8,165	6,042	0.74	2.039
31	24	9,514	5,899	0.62	1.875	9,159	5,679	0.62	1.978	8,946	5,547	0.62	2.039	8,662	5,370	0.62	2.142
31	26	9,798	4,899	0.50	1.978	9,514	4,757	0.50	2.081	9,372	4,686	0.50	2.142	9,088	4,544	0.50	2.204
32	18	8,343	8,509	1.02	1.648	7,988	8,147	1.02	1.730	7,668	7,821	1.02	1.813	7,384	7,532	1.02	1.895
32	20	8,698	7,828	0.90	1.730	8,343	7,508	0.90	1.833	8,094	7,285	0.90	1.875	7,810	7,029	0.90	1.957
32	22	9,053	7,061	0.78	1.792	8,733	6,812	0.78	1.906	8,520	6,646	0.78	1.957	8,165	6,369	0.78	2.039
32	24	9,514	6,279	0.66	1.875	9,159	6,045	0.66	1.978	8,946	5,904	0.66	2.039	8,662	5,717	0.66	2.142
32	26	9,798	5,291	0.54	1.978	9,514	5,138	0.54	2.081	9,372	5,061	0.54	2.142	9,088	4,908	0.54	2.204

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M71KA / SUZ-KA71VA6

INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB(°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,958	4,036	0.58	2.019	6,390	3,706	0.58	2.142	5,893	3,418	0.58	2.225
21	20	7,313	3,364	0.46	2.101	6,816	3,135	0.46	2.204	6,319	2,907	0.46	2.328
22	18	6,958	4,314	0.62	2.019	6,390	3,962	0.62	2.142	5,893	3,654	0.62	2.225
22	20	7,313	3,657	0.50	2.101	6,816	3,408	0.50	2.204	6,319	3,160	0.50	2.328
22	22	7,739	2,941	0.38	2.184	7,242	2,752	0.38	2.307	6,745	2,563	0.38	2.390
23	18	6,958	4,592	0.66	2.019	6,390	4,217	0.66	2.142	5,893	3,889	0.66	2.225
23	20	7,313	3,949	0.54	2.101	6,816	3,681	0.54	2.204	6,319	3,412	0.54	2.328
23	22	7,739	3,250	0.42	2.184	7,242	3,042	0.42	2.307	6,745	2,833	0.42	2.390
24	18	6,958	4,871	0.70	2.019	6,390	4,473	0.70	2.142	5,893	4,125	0.70	2.225
24	20	7,313	4,242	0.58	2.101	6,816	3,953	0.58	2.204	6,319	3,665	0.58	2.328
24	22	7,739	3,560	0.46	2.184	7,242	3,331	0.46	2.307	6,745	3,103	0.46	2.390
24	24	8,165	2,776	0.34	2.266	7,668	2,607	0.34	2.369	7,242	2,462	0.34	2.472
25	20	7,313	4,534	0.62	2.101	6,816	4,226	0.62	2.204	6,319	3,918	0.62	2.328
25	22	7,739	3,870	0.50	2.184	7,242	3,621	0.50	2.307	6,745	3,373	0.50	2.390
25	24	8,165	3,103	0.38	2.266	7,668	2,914	0.38	2.369	7,242	2,752	0.38	2.472
26	18	6,958	5,427	0.78	2.019	6,390	4,984	0.78	2.142	5,893	4,597	0.78	2.225
26	20	7,313	4,827	0.66	2.101	6,816	4,499	0.66	2.204	6,319	4,171	0.66	2.328
26	22	7,739	4,179	0.54	2.184	7,242	3,911	0.54	2.307	6,745	3,642	0.54	2.390
26	24	8,165	3,429	0.42	2.266	7,668	3,221	0.42	2.369	7,242	3,042	0.42	2.472
26	26	8,591	2,577	0.30	2.348	8,094	2,428	0.30	2.451	7,597	2,279	0.30	2.554
27	18	6,958	5,706	0.82	2.019	6,390	5,240	0.82	2.142	5,893	4,832	0.82	2.225
27	20	7,313	5,119	0.70	2.101	6,816	4,771	0.70	2.204	6,319	4,423	0.70	2.328
27	22	7,739	4,489	0.58	2.184	7,242	4,200	0.58	2.307	6,745	3,912	0.58	2.390
27	24	8,165	3,756	0.46	2.266	7,668	3,527	0.46	2.369	7,242	3,331	0.46	2.472
27	26	8,591	2,921	0.34	2.348	8,094	2,752	0.34	2.451	7,597	2,583	0.34	2.554
28	18	6,958	5,984	0.86	2.019	6,390	5,495	0.86	2.142	5,893	5,068	0.86	2.225
28	20	7,313	5,412	0.74	2.101	6,816	5,044	0.74	2.204	6,319	4,676	0.74	2.328
28	22	7,739	4,798	0.62	2.184	7,242	4,490	0.62	2.307	6,745	4,182	0.62	2.390
28	24	8,165	4,083	0.50	2.266	7,668	3,834	0.50	2.369	7,242	3,621	0.50	2.472
28	26	8,591	3,265	0.38	2.348	8,094	3,076	0.38	2.451	7,597	2,887	0.38	2.554
29	18	6,958	6,262	0.90	2.019	6,390	5,751	0.90	2.142	5,893	5,304	0.90	2.225
29	20	7,313	5,704	0.78	2.101	6,816	5,316	0.78	2.204	6,319	4,929	0.78	2.328
29	22	7,739	5,108	0.66	2.184	7,242	4,780	0.66	2.307	6,745	4,452	0.66	2.390
29	24	8,165	4,409	0.54	2.266	7,668	4,141	0.54	2.369	7,242	3,911	0.54	2.472
29	26	8,591	3,608	0.42	2.348	8,094	3,399	0.42	2.451	7,597	3,191	0.42	2.554
30	18	6,958	6,541	0.94	2.019	6,390	6,007	0.94	2.142	5,893	5,539	0.94	2.225
30	20	7,313	5,997	0.82	2.101	6,816	5,589	0.82	2.204	6,319	5,182	0.82	2.328
30	22	7,739	5,417	0.70	2.184	7,242	5,069	0.70	2.307	6,745	4,722	0.70	2.390
30	24	8,165	4,736	0.58	2.266	7,668	4,447	0.58	2.369	7,242	4,200	0.58	2.472
30	26	8,591	3,952	0.46	2.348	8,094	3,723	0.46	2.451	7,597	3,495	0.46	2.554
31	18	6,958	6,819	0.98	2.019	6,390	6,262	0.98	2.142	5,893	5,775	0.98	2.225
31	20	7,313	6,289	0.86	2.101	6,816	5,862	0.86	2.204	6,319	5,434	0.86	2.328
31	22	7,739	5,727	0.74	2.184	7,242	5,359	0.74	2.307	6,745	4,991	0.74	2.390
31	24	8,165	5,062	0.62	2.266	7,668	4,754	0.62	2.369	7,242	4,490	0.62	2.472
31	26	8,591	4,296	0.50	2.348	8,094	4,047	0.50	2.451	7,597	3,799	0.50	2.554
32	18	6,958	7,097	1.02	2.019	6,390	6,518	1.02	2.142	5,893	6,011	1.02	2.225
32	20	7,313	6,582	0.90	2.101	6,816	6,134	0.90	2.204	6,319	5,687	0.90	2.328
32	22	7,739	6,036	0.78	2.184	7,242	5,649	0.78	2.307	6,745	5,261	0.78	2.390
32	24	8,165	5,389	0.66	2.266	7,668	5,061	0.66	2.369	7,242	4,780	0.66	2.472
32	26	8,591	4,639	0.54	2.348	8,094	4,371	0.54	2.451	7,597	4,102	0.54	2.554

Note: Q : Capacity (W)
INPUT : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M100KA / PUHZ-P100VKA PUHZ-P100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,306	6,235	0.67	2.44	9,024	6,046	0.67	2.58	8,742	5,857	0.67	2.73
20	18	9,964	5,480	0.55	2.49	9,682	5,325	0.55	2.62	9,353	5,144	0.55	2.81
20	20	10,716	4,608	0.43	2.56	10,481	4,507	0.43	2.68	10,199	4,386	0.43	2.87
22	16	9,306	6,980	0.75	2.44	9,024	6,768	0.75	2.58	8,742	6,557	0.75	2.73
22	18	9,964	6,277	0.63	2.49	9,682	6,100	0.63	2.62	9,353	5,892	0.63	2.81
22	20	10,716	5,465	0.51	2.56	10,481	5,345	0.51	2.68	10,199	5,201	0.51	2.87
24	16	9,306	7,724	0.83	2.44	9,024	7,490	0.83	2.58	8,742	7,256	0.83	2.73
24	18	9,964	7,074	0.71	2.49	9,682	6,874	0.71	2.62	9,353	6,641	0.71	2.81
24	20	10,716	6,322	0.59	2.56	10,481	6,184	0.59	2.68	10,199	6,017	0.59	2.87
24	22	11,421	5,368	0.47	2.62	11,186	5,257	0.47	2.78	10,904	5,125	0.47	2.96
26	16	9,306	8,468	0.91	2.44	9,024	8,212	0.91	2.58	8,742	7,955	0.91	2.73
26	18	9,964	7,872	0.79	2.49	9,682	7,649	0.79	2.62	9,353	7,389	0.79	2.81
26	20	10,716	7,180	0.67	2.56	10,481	7,022	0.67	2.68	10,199	6,833	0.67	2.87
26	22	11,421	6,282	0.55	2.62	11,186	6,152	0.55	2.78	10,904	5,997	0.55	2.96
27	16	9,306	8,841	0.95	2.44	9,024	8,573	0.95	2.58	8,742	8,305	0.95	2.73
27	18	9,964	8,270	0.83	2.49	9,682	8,036	0.83	2.62	9,353	7,763	0.83	2.81
27	20	10,716	7,608	0.71	2.56	10,481	7,442	0.71	2.68	10,199	7,241	0.71	2.87
27	22	11,421	6,738	0.59	2.62	11,186	6,600	0.59	2.78	10,904	6,433	0.59	2.96
28	16	9,306	9,213	0.99	2.44	9,024	8,934	0.99	2.58	8,742	8,655	0.99	2.73
28	18	9,964	8,669	0.87	2.49	9,682	8,423	0.87	2.62	9,353	8,137	0.87	2.81
28	20	10,716	8,037	0.75	2.56	10,481	7,861	0.75	2.68	10,199	7,649	0.75	2.87
28	22	11,421	7,195	0.63	2.62	11,186	7,047	0.63	2.78	10,904	6,870	0.63	2.96
30	16	9,306	9,306	1.00	2.44	9,024	9,024	1.00	2.58	8,742	8,742	1.00	2.73
30	18	9,964	9,466	0.95	2.49	9,682	9,198	0.95	2.62	9,353	8,885	0.95	2.81
30	20	10,716	8,894	0.83	2.56	10,481	8,699	0.83	2.68	10,199	8,465	0.83	2.87
30	22	11,421	8,109	0.71	2.62	11,186	7,942	0.71	2.78	10,904	7,742	0.71	2.96
32	16	9,306	9,306	1.00	2.44	9,024	9,024	1.00	2.58	8,742	8,742	1.00	2.73
32	18	9,964	9,964	1.00	2.49	9,682	9,682	1.00	2.62	9,353	9,353	1.00	2.81
32	20	10,716	9,752	0.91	2.56	10,481	9,538	0.91	2.68	10,199	9,281	0.91	2.87
32	22	11,421	9,023	0.79	2.62	11,186	8,837	0.79	2.78	10,904	8,614	0.79	2.96
34	16	9,306	9,306	1.00	2.44	9,024	9,024	1.00	2.58	8,742	8,742	1.00	2.73
34	18	9,964	9,964	1.00	2.49	9,682	9,682	1.00	2.62	9,353	9,353	1.00	2.81
34	20	10,716	10,609	0.99	2.56	10,481	10,376	0.99	2.68	10,199	10,097	0.99	2.87
34	22	11,421	9,936	0.87	2.62	11,186	9,732	0.87	2.78	10,904	9,486	0.87	2.96

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,366	5,605	0.67	2.93	7,990	5,353	0.67	3.14	7,614	5,101	0.67	3.40
20	18	9,024	4,963	0.55	3.00	8,742	4,808	0.55	3.23	8,178	4,498	0.55	3.48
20	20	9,776	4,204	0.43	3.08	9,400	4,042	0.43	3.29	8,836	3,799	0.43	3.54
22	16	8,366	6,275	0.75	2.93	7,990	5,993	0.75	3.14	7,614	5,711	0.75	3.40
22	18	9,024	5,685	0.63	3.00	8,742	5,507	0.63	3.23	8,178	5,152	0.63	3.48
22	20	9,776	4,986	0.51	3.08	9,400	4,794	0.51	3.29	8,836	4,506	0.51	3.54
24	16	8,366	6,944	0.83	2.93	7,990	6,632	0.83	3.14	7,614	6,320	0.83	3.40
24	18	9,024	6,407	0.71	3.00	8,742	6,207	0.71	3.23	8,178	5,806	0.71	3.48
24	20	9,776	5,768	0.59	3.08	9,400	5,546	0.59	3.29	8,836	5,213	0.59	3.54
24	22	10,528	4,948	0.47	3.14	10,152	4,771	0.47	3.39	9,588	4,506	0.47	3.60
26	16	8,366	7,613	0.91	2.93	7,990	7,271	0.91	3.14	7,614	6,929	0.91	3.40
26	18	9,024	7,129	0.79	3.00	8,742	6,906	0.79	3.23	8,178	6,461	0.79	3.48
26	20	9,776	6,550	0.67	3.08	9,400	6,298	0.67	3.29	8,836	5,920	0.67	3.54
26	22	10,528	5,790	0.55	3.14	10,152	5,584	0.55	3.39	9,588	5,273	0.55	3.60
27	16	8,366	7,948	0.95	2.93	7,990	7,591	0.95	3.14	7,614	7,233	0.95	3.40
27	18	9,024	7,490	0.83	3.00	8,742	7,256	0.83	3.23	8,178	6,788	0.83	3.48
27	20	9,776	6,941	0.71	3.08	9,400	6,674	0.71	3.29	8,836	6,274	0.71	3.54
27	22	10,528	6,212	0.59	3.14	10,152	5,990	0.59	3.39	9,588	5,657	0.59	3.60
28	16	8,366	8,282	0.99	2.93	7,990	7,910	0.99	3.14	7,614	7,538	0.99	3.40
28	18	9,024	7,851	0.87	3.00	8,742	7,606	0.87	3.23	8,178	7,115	0.87	3.48
28	20	9,776	7,332	0.75	3.08	9,400	7,050	0.75	3.29	8,836	6,627	0.75	3.54
28	22	10,528	6,633	0.63	3.14	10,152	6,396	0.63	3.39	9,588	6,040	0.63	3.60
30	16	8,366	8,366	1.00	2.93	7,990	7,990	1.00	3.14	7,614	7,614	1.00	3.40
30	18	9,024	8,573	0.95	3.00	8,742	8,305	0.95	3.23	8,178	7,769	0.95	3.48
30	20	9,776	8,114	0.83	3.08	9,400	7,802	0.83	3.29	8,836	7,334	0.83	3.54
30	22	10,528	7,475	0.71	3.14	10,152	7,208	0.71	3.39	9,588	6,807	0.71	3.60
32	16	8,366	8,366	1.00	2.93	7,990	7,990	1.00	3.14	7,614	7,614	1.00	3.40
32	18	9,024	9,024	1.00	3.00	8,742	8,742	1.00	3.23	8,178	8,178	1.00	3.48
32	20	9,776	8,896	0.91	3.08	9,400	8,554	0.91	3.29	8,836	8,041	0.91	3.54
32	22	10,528	8,317	0.79	3.14	10,152	8,020	0.79	3.39	9,588	7,575	0.79	3.60
34	16	8,366	8,366	1.00	2.93	7,990	7,990	1.00	3.14	7,614	7,614	1.00	3.40
34	18	9,024	9,024	1.00	3.00	8,742	8,742	1.00	3.23	8,178	8,178	1.00	3.48
34	20	9,776	9,678	0.99	3.08	9,400	9,306	0.99	3.29	8,836	8,748	0.99	3.54
34	22	10,528	9,159	0.87	3.14	10,152	8,832	0.87	3.39	9,588	8,342	0.87	3.60

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M125KA / PUHZ-P125VKA PUHZ-P125YK

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	11,979	7,427	0.62	3.39	11,616	7,202	0.62	3.58	11,253	6,977	0.62	3.79
20	18	12,826	6,413	0.50	3.46	12,463	6,232	0.50	3.65	12,040	6,020	0.50	3.90
20	20	13,794	5,242	0.38	3.56	13,492	5,127	0.38	3.73	13,129	4,989	0.38	3.99
22	16	11,979	8,385	0.70	3.39	11,616	8,131	0.70	3.58	11,253	7,877	0.70	3.79
22	18	12,826	7,439	0.58	3.46	12,463	7,229	0.58	3.65	12,040	6,983	0.58	3.90
22	20	13,794	6,345	0.46	3.56	13,492	6,206	0.46	3.73	13,129	6,039	0.46	3.99
24	16	11,979	9,344	0.78	3.39	11,616	9,060	0.78	3.58	11,253	8,777	0.78	3.79
24	18	12,826	8,465	0.66	3.46	12,463	8,226	0.66	3.65	12,040	7,946	0.66	3.90
24	20	13,794	7,449	0.54	3.56	13,492	7,285	0.54	3.73	13,129	7,089	0.54	3.99
24	22	14,702	6,175	0.42	3.65	14,399	6,048	0.42	3.86	14,036	5,895	0.42	4.11
26	16	11,979	10,302	0.86	3.39	11,616	9,990	0.86	3.58	11,253	9,678	0.86	3.79
26	18	12,826	9,491	0.74	3.46	12,463	9,223	0.74	3.65	12,040	8,909	0.74	3.90
26	20	13,794	8,552	0.62	3.56	13,492	8,365	0.62	3.73	13,129	8,140	0.62	3.99
26	22	14,702	7,351	0.50	3.65	14,399	7,200	0.50	3.86	14,036	7,018	0.50	4.11
27	16	11,979	10,781	0.90	3.39	11,616	10,454	0.90	3.58	11,253	10,128	0.90	3.79
27	18	12,826	10,004	0.78	3.46	12,463	9,721	0.78	3.65	12,040	9,391	0.78	3.90
27	20	13,794	9,104	0.66	3.56	13,492	8,904	0.66	3.73	13,129	8,665	0.66	3.99
27	22	14,702	7,939	0.54	3.65	14,399	7,775	0.54	3.86	14,036	7,579	0.54	4.11
28	16	11,979	11,260	0.94	3.39	11,616	10,919	0.94	3.58	11,253	10,578	0.94	3.79
28	18	12,826	10,517	0.82	3.46	12,463	10,220	0.82	3.65	12,040	9,872	0.82	3.90
28	20	13,794	9,656	0.70	3.56	13,492	9,444	0.70	3.73	13,129	9,190	0.70	3.99
28	22	14,702	8,527	0.58	3.65	14,399	8,351	0.58	3.86	14,036	8,141	0.58	4.11
30	16	11,979	11,979	1.00	3.39	11,616	11,616	1.00	3.58	11,253	11,253	1.00	3.79
30	18	12,826	11,543	0.90	3.46	12,463	11,217	0.90	3.65	12,040	10,836	0.90	3.90
30	20	13,794	10,759	0.78	3.56	13,492	10,523	0.78	3.73	13,129	10,240	0.78	3.99
30	22	14,702	9,703	0.66	3.65	14,399	9,503	0.66	3.86	14,036	9,264	0.66	4.11
32	16	11,979	11,979	1.00	3.39	11,616	11,616	1.00	3.58	11,253	11,253	1.00	3.79
32	18	12,826	12,569	0.98	3.46	12,463	12,214	0.98	3.65	12,040	11,799	0.98	3.90
32	20	13,794	11,863	0.86	3.56	13,492	11,603	0.86	3.73	13,129	11,291	0.86	3.99
32	22	14,702	10,879	0.74	3.65	14,399	10,655	0.74	3.86	14,036	10,387	0.74	4.11
34	16	11,979	11,979	1.00	3.39	11,616	11,616	1.00	3.58	11,253	11,253	1.00	3.79
34	18	12,826	12,826	1.00	3.46	12,463	12,463	1.00	3.65	12,040	12,040	1.00	3.90
34	20	13,794	12,966	0.94	3.56	13,492	12,682	0.94	3.73	13,129	12,341	0.94	3.99
34	22	14,702	12,055	0.82	3.65	14,399	11,807	0.82	3.86	14,036	11,510	0.82	4.11

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	10,769	6,677	0.62	4.07	10,285	6,377	0.62	4.37	9,801	6,077	0.62	4.73
20	18	11,616	5,808	0.50	4.18	11,253	5,627	0.50	4.49	10,527	5,264	0.50	4.83
20	20	12,584	4,782	0.38	4.28	12,100	4,598	0.38	4.58	11,374	4,322	0.38	4.92
22	16	10,769	7,538	0.70	4.07	10,285	7,200	0.70	4.37	9,801	6,861	0.70	4.73
22	18	11,616	6,737	0.58	4.18	11,253	6,527	0.58	4.49	10,527	6,106	0.58	4.83
22	20	12,584	5,789	0.46	4.28	12,100	5,566	0.46	4.58	11,374	5,232	0.46	4.92
24	16	10,769	8,400	0.78	4.07	10,285	8,022	0.78	4.37	9,801	7,645	0.78	4.73
24	18	11,616	7,667	0.66	4.18	11,253	7,427	0.66	4.49	10,527	6,948	0.66	4.83
24	20	12,584	6,795	0.54	4.28	12,100	6,534	0.54	4.58	11,374	6,142	0.54	4.92
24	22	13,552	5,692	0.42	4.37	13,068	5,489	0.42	4.71	12,342	5,184	0.42	5.00
26	16	10,769	9,261	0.86	4.07	10,285	8,845	0.86	4.37	9,801	8,429	0.86	4.73
26	18	11,616	8,596	0.74	4.18	11,253	8,327	0.74	4.49	10,527	7,790	0.74	4.83
26	20	12,584	7,802	0.62	4.28	12,100	7,502	0.62	4.58	11,374	7,052	0.62	4.92
26	22	13,552	6,776	0.50	4.37	13,068	6,534	0.50	4.71	12,342	6,171	0.50	5.00
27	16	10,769	9,692	0.90	4.07	10,285	9,257	0.90	4.37	9,801	8,821	0.90	4.73
27	18	11,616	9,060	0.78	4.18	11,253	8,777	0.78	4.49	10,527	8,211	0.78	4.83
27	20	12,584	8,305	0.66	4.28	12,100	7,986	0.66	4.58	11,374	7,507	0.66	4.92
27	22	13,552	7,318	0.54	4.37	13,068	7,057	0.54	4.71	12,342	6,665	0.54	5.00
28	16	10,769	10,123	0.94	4.07	10,285	9,668	0.94	4.37	9,801	9,213	0.94	4.73
28	18	11,616	9,525	0.82	4.18	11,253	9,227	0.82	4.49	10,527	8,632	0.82	4.83
28	20	12,584	8,809	0.70	4.28	12,100	8,470	0.70	4.58	11,374	7,962	0.70	4.92
28	22	13,552	7,860	0.58	4.37	13,068	7,579	0.58	4.71	12,342	7,158	0.58	5.00
30	16	10,769	10,769	1.00	4.07	10,285	10,285	1.00	4.37	9,801	9,801	1.00	4.73
30	18	11,616	10,454	0.90	4.18	11,253	10,128	0.90	4.49	10,527	9,474	0.90	4.83
30	20	12,584	9,816	0.78	4.28	12,100	9,438	0.78	4.58	11,374	8,872	0.78	4.92
30	22	13,552	8,944	0.66	4.37	13,068	8,625	0.66	4.71	12,342	8,146	0.66	5.00
32	16	10,769	10,769	1.00	4.07	10,285	10,285	1.00	4.37	9,801	9,801	1.00	4.73
32	18	11,616	11,384	0.98	4.18	11,253	11,028	0.98	4.49	10,527	10,316	0.98	4.83
32	20	12,584	10,822	0.86	4.28	12,100	10,406	0.86	4.58	11,374	9,782	0.86	4.92
32	22	13,552	10,028	0.74	4.37	13,068	9,670	0.74	4.71	12,342	9,133	0.74	5.00
34	16	10,769	10,769	1.00	4.07	10,285	10,285	1.00	4.37	9,801	9,801	1.00	4.73
34	18	11,616	11,616	1.00	4.18	11,253	11,253	1.00	4.49	10,527	10,527	1.00	4.83
34	20	12,584	11,829	0.94	4.28	12,100	11,374	0.94	4.58	11,374	10,692	0.94	4.92
34	22	13,552	11,113	0.82	4.37	13,068	10,716	0.82	4.71	12,342	10,120	0.82	5.00

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M140KA / PUHZ-P140VKA PUHZ-P140YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,464	8,348	0.62	4.50	13,056	8,095	0.62	4.75	12,648	7,842	0.62	5.03
20	18	14,416	7,208	0.50	4.58	14,008	7,004	0.50	4.83	13,532	6,766	0.50	5.17
20	20	15,504	5,892	0.38	4.72	15,164	5,762	0.38	4.95	14,756	5,607	0.38	5.28
22	16	13,464	9,425	0.70	4.50	13,056	9,139	0.70	4.75	12,648	8,854	0.70	5.03
22	18	14,416	8,361	0.58	4.58	14,008	8,125	0.58	4.83	13,532	7,849	0.58	5.17
22	20	15,504	7,132	0.46	4.72	15,164	6,975	0.46	4.95	14,756	6,788	0.46	5.28
24	16	13,464	10,502	0.78	4.50	13,056	10,184	0.78	4.75	12,648	9,865	0.78	5.03
24	18	14,416	9,515	0.66	4.58	14,008	9,245	0.66	4.83	13,532	8,931	0.66	5.17
24	20	15,504	8,372	0.54	4.72	15,164	8,189	0.54	4.95	14,756	7,968	0.54	5.28
24	22	16,524	6,940	0.42	4.83	16,184	6,797	0.42	5.11	15,776	6,626	0.42	5.45
26	16	13,464	11,579	0.86	4.50	13,056	11,228	0.86	4.75	12,648	10,877	0.86	5.03
26	18	14,416	10,668	0.74	4.58	14,008	10,366	0.74	4.83	13,532	10,014	0.74	5.17
26	20	15,504	9,612	0.62	4.72	15,164	9,402	0.62	4.95	14,756	9,149	0.62	5.28
26	22	16,524	8,262	0.50	4.83	16,184	8,092	0.50	5.11	15,776	7,888	0.50	5.45
27	16	13,464	12,118	0.90	4.50	13,056	11,750	0.90	4.75	12,648	11,383	0.90	5.03
27	18	14,416	11,244	0.78	4.58	14,008	10,926	0.78	4.83	13,532	10,555	0.78	5.17
27	20	15,504	10,233	0.66	4.72	15,164	10,008	0.66	4.95	14,756	9,739	0.66	5.28
27	22	16,524	8,923	0.54	4.83	16,184	8,739	0.54	5.11	15,776	8,519	0.54	5.45
28	16	13,464	12,656	0.94	4.50	13,056	12,273	0.94	4.75	12,648	11,889	0.94	5.03
28	18	14,416	11,821	0.82	4.58	14,008	11,487	0.82	4.83	13,532	11,096	0.82	5.17
28	20	15,504	10,853	0.70	4.72	15,164	10,615	0.70	4.95	14,756	10,329	0.70	5.28
28	22	16,524	9,584	0.58	4.83	16,184	9,387	0.58	5.11	15,776	9,150	0.58	5.45
30	16	13,464	13,464	1.00	4.50	13,056	13,056	1.00	4.75	12,648	12,648	1.00	5.03
30	18	14,416	12,974	0.90	4.58	14,008	12,607	0.90	4.83	13,532	12,179	0.90	5.17
30	20	15,504	12,093	0.78	4.72	15,164	11,828	0.78	4.95	14,756	11,510	0.78	5.28
30	22	16,524	10,906	0.66	4.83	16,184	10,681	0.66	5.11	15,776	10,412	0.66	5.45
32	16	13,464	13,464	1.00	4.50	13,056	13,056	1.00	4.75	12,648	12,648	1.00	5.03
32	18	14,416	14,128	0.98	4.58	14,008	13,728	0.98	4.83	13,532	13,261	0.98	5.17
32	20	15,504	13,333	0.86	4.72	15,164	13,041	0.86	4.95	14,756	12,690	0.86	5.28
32	22	16,524	12,228	0.74	4.83	16,184	11,976	0.74	5.11	15,776	11,674	0.74	5.45
34	16	13,464	13,464	1.00	4.50	13,056	13,056	1.00	4.75	12,648	12,648	1.00	5.03
34	18	14,416	14,416	1.00	4.58	14,008	14,008	1.00	4.83	13,532	13,532	1.00	5.17
34	20	15,504	14,574	0.94	4.72	15,164	14,254	0.94	4.95	14,756	13,871	0.94	5.28
34	22	16,524	13,550	0.82	4.83	16,184	13,271	0.82	5.11	15,776	12,936	0.82	5.45

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	12,104	7,504	0.62	5.40	11,560	7,167	0.62	5.79	11,016	6,830	0.62	6.27
20	18	13,056	6,528	0.50	5.54	12,648	6,324	0.50	5.96	11,832	5,916	0.50	6.41
20	20	14,144	5,375	0.38	5.68	13,600	5,168	0.38	6.07	12,784	4,858	0.38	6.52
22	16	12,104	8,473	0.70	5.40	11,560	8,092	0.70	5.79	11,016	7,711	0.70	6.27
22	18	13,056	7,572	0.58	5.54	12,648	7,336	0.58	5.96	11,832	6,863	0.58	6.41
22	20	14,144	6,506	0.46	5.68	13,600	6,256	0.46	6.07	12,784	5,881	0.46	6.52
24	16	12,104	9,441	0.78	5.40	11,560	9,017	0.78	5.79	11,016	8,592	0.78	6.27
24	18	13,056	8,617	0.66	5.54	12,648	8,348	0.66	5.96	11,832	7,809	0.66	6.41
24	20	14,144	7,638	0.54	5.68	13,600	7,344	0.54	6.07	12,784	6,903	0.54	6.52
24	22	15,232	6,397	0.42	5.79	14,688	6,169	0.42	6.24	13,872	5,826	0.42	6.63
26	16	12,104	10,409	0.86	5.40	11,560	9,942	0.86	5.79	11,016	9,474	0.86	6.27
26	18	13,056	9,661	0.74	5.54	12,648	9,360	0.74	5.96	11,832	8,756	0.74	6.41
26	20	14,144	8,769	0.62	5.68	13,600	8,432	0.62	6.07	12,784	7,926	0.62	6.52
26	22	15,232	7,616	0.50	5.79	14,688	7,344	0.50	6.24	13,872	6,936	0.50	6.63
27	16	12,104	10,894	0.90	5.40	11,560	10,404	0.90	5.79	11,016	9,914	0.90	6.27
27	18	13,056	10,184	0.78	5.54	12,648	9,865	0.78	5.96	11,832	9,229	0.78	6.41
27	20	14,144	9,335	0.66	5.68	13,600	8,976	0.66	6.07	12,784	8,437	0.66	6.52
27	22	15,232	8,225	0.54	5.79	14,688	7,932	0.54	6.24	13,872	7,491	0.54	6.63
28	16	12,104	11,378	0.94	5.40	11,560	10,866	0.94	5.79	11,016	10,355	0.94	6.27
28	18	13,056	10,706	0.82	5.54	12,648	10,371	0.82	5.96	11,832	9,702	0.82	6.41
28	20	14,144	9,901	0.70	5.68	13,600	9,520	0.70	6.07	12,784	8,949	0.70	6.52
28	22	15,232	8,835	0.58	5.79	14,688	8,519	0.58	6.24	13,872	8,046	0.58	6.63
30	16	12,104	12,104	1.00	5.40	11,560	11,560	1.00	5.79	11,016	11,016	1.00	6.27
30	18	13,056	11,750	0.90	5.54	12,648	11,383	0.90	5.96	11,832	10,649	0.90	6.41
30	20	14,144	11,032	0.78	5.68	13,600	10,608	0.78	6.07	12,784	9,972	0.78	6.52
30	22	15,232	10,053	0.66	5.79	14,688	9,694	0.66	6.24	13,872	9,156	0.66	6.63
32	16	12,104	12,104	1.00	5.40	11,560	11,560	1.00	5.79	11,016	11,016	1.00	6.27
32	18	13,056	12,795	0.98	5.54	12,648	12,395	0.98	5.96	11,832	11,595	0.98	6.41
32	20	14,144	12,164	0.86	5.68	13,600	11,696	0.86	6.07	12,784	10,994	0.86	6.52
32	22	15,232	11,272	0.74	5.79	14,688	10,869	0.74	6.24	13,872	10,265	0.74	6.63
34	16	12,104	12,104	1.00	5.40	11,560	11,560	1.00	5.79	11,016	11,016	1.00	6.27
34	18	13,056	13,056	1.00	5.54	12,648	12,648	1.00	5.96	11,832	11,832	1.00	6.41
34	20	14,144	13,295	0.94	5.68	13,600	12,784	0.94	6.07	12,784	12,017	0.94	6.52
34	22	15,232	12,490	0.82	5.79	14,688	12,044	0.82	6.24	13,872	11,375	0.82	6.63

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PCA-M71KA / PUHZ-FRP71VHA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	7,029	4,639	0.66	1.54	6,816	4,499	0.66	1.63	6,603	4,358	0.66	1.73
20	18	7,526	4,064	0.54	1.57	7,313	3,949	0.54	1.66	7,065	3,815	0.54	1.78
20	20	8,094	3,399	0.42	1.62	7,917	3,325	0.42	1.70	7,704	3,235	0.42	1.81
22	16	7,029	5,201	0.74	1.54	6,816	5,044	0.74	1.63	6,603	4,886	0.74	1.73
22	18	7,526	4,666	0.62	1.57	7,313	4,534	0.62	1.66	7,065	4,380	0.62	1.78
22	20	8,094	4,047	0.50	1.62	7,917	3,958	0.50	1.70	7,704	3,852	0.50	1.81
24	16	7,029	5,764	0.82	1.54	6,816	5,589	0.82	1.63	6,603	5,414	0.82	1.73
24	18	7,526	5,268	0.70	1.57	7,313	5,119	0.70	1.66	7,065	4,945	0.70	1.78
24	20	8,094	4,695	0.58	1.62	7,917	4,592	0.58	1.70	7,704	4,468	0.58	1.81
24	22	8,627	3,968	0.46	1.66	8,449	3,887	0.46	1.76	8,236	3,789	0.46	1.87
26	16	7,029	6,326	0.90	1.54	6,816	6,134	0.90	1.63	6,603	5,943	0.90	1.73
26	18	7,526	5,870	0.78	1.57	7,313	5,704	0.78	1.66	7,065	5,510	0.78	1.78
26	20	8,094	5,342	0.66	1.62	7,917	5,225	0.66	1.70	7,704	5,084	0.66	1.81
26	22	8,627	4,658	0.54	1.66	8,449	4,562	0.54	1.76	8,236	4,447	0.54	1.87
27	16	7,029	6,607	0.94	1.54	6,816	6,407	0.94	1.63	6,603	6,207	0.94	1.73
27	18	7,526	6,171	0.82	1.57	7,313	5,997	0.82	1.66	7,065	5,793	0.82	1.78
27	20	8,094	5,666	0.70	1.62	7,917	5,542	0.70	1.70	7,704	5,392	0.70	1.81
27	22	8,627	5,003	0.58	1.66	8,449	4,900	0.58	1.76	8,236	4,777	0.58	1.87
28	16	7,029	6,888	0.98	1.54	6,816	6,680	0.98	1.63	6,603	6,471	0.98	1.73
28	18	7,526	6,472	0.86	1.57	7,313	6,289	0.86	1.66	7,065	6,075	0.86	1.78
28	20	8,094	5,990	0.74	1.62	7,917	5,858	0.74	1.70	7,704	5,701	0.74	1.81
28	22	8,627	5,348	0.62	1.66	8,449	5,238	0.62	1.76	8,236	5,106	0.62	1.87
30	16	7,029	7,029	1.00	1.54	6,816	6,816	1.00	1.63	6,603	6,603	1.00	1.73
30	18	7,526	7,074	0.94	1.57	7,313	6,874	0.94	1.66	7,065	6,641	0.94	1.78
30	20	8,094	6,637	0.82	1.62	7,917	6,492	0.82	1.70	7,704	6,317	0.82	1.81
30	22	8,627	6,039	0.70	1.66	8,449	5,914	0.70	1.76	8,236	5,765	0.70	1.87
32	16	7,029	7,029	1.00	1.54	6,816	6,816	1.00	1.63	6,603	6,603	1.00	1.73
32	18	7,526	7,526	1.00	1.57	7,313	7,313	1.00	1.66	7,065	7,065	1.00	1.78
32	20	8,094	7,285	0.90	1.62	7,917	7,125	0.90	1.70	7,704	6,933	0.90	1.81
32	22	8,627	6,729	0.78	1.66	8,449	6,590	0.78	1.76	8,236	6,424	0.78	1.87
34	16	7,029	7,029	1.00	1.54	6,816	6,816	1.00	1.63	6,603	6,603	1.00	1.73
34	18	7,526	7,526	1.00	1.57	7,313	7,313	1.00	1.66	7,065	7,065	1.00	1.78
34	20	8,094	7,932	0.98	1.62	7,917	7,758	0.98	1.70	7,704	7,549	0.98	1.81
34	22	8,627	7,419	0.86	1.66	8,449	7,266	0.86	1.76	8,236	7,083	0.86	1.87

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	6,319	4,171	0.66	1.85	6,035	3,983	0.66	1.99	5,751	3,796	0.66	2.15
20	18	6,816	3,681	0.54	1.90	6,603	3,566	0.54	2.05	6,177	3,336	0.54	2.20
20	20	7,384	3,101	0.42	1.95	7,100	2,982	0.42	2.08	6,674	2,803	0.42	2.24
22	16	6,319	4,676	0.74	1.85	6,035	4,466	0.74	1.99	5,751	4,256	0.74	2.15
22	18	6,816	4,226	0.62	1.90	6,603	4,094	0.62	2.05	6,177	3,830	0.62	2.20
22	20	7,384	3,692	0.50	1.95	7,100	3,550	0.50	2.08	6,674	3,337	0.50	2.24
24	16	6,319	5,182	0.82	1.85	6,035	4,949	0.82	1.99	5,751	4,716	0.82	2.15
24	18	6,816	4,771	0.70	1.90	6,603	4,622	0.70	2.05	6,177	4,324	0.70	2.20
24	20	7,384	4,283	0.58	1.95	7,100	4,118	0.58	2.08	6,674	3,871	0.58	2.24
24	22	7,952	3,658	0.46	1.99	7,668	3,527	0.46	2.14	7,242	3,331	0.46	2.28
26	16	6,319	5,687	0.90	1.85	6,035	5,432	0.90	1.99	5,751	5,176	0.90	2.15
26	18	6,816	5,316	0.78	1.90	6,603	5,150	0.78	2.05	6,177	4,818	0.78	2.20
26	20	7,384	4,873	0.66	1.95	7,100	4,686	0.66	2.08	6,674	4,405	0.66	2.24
26	22	7,952	4,294	0.54	1.99	7,668	4,141	0.54	2.14	7,242	3,911	0.54	2.28
27	16	6,319	5,940	0.94	1.85	6,035	5,673	0.94	1.99	5,751	5,406	0.94	2.15
27	18	6,816	5,589	0.82	1.90	6,603	5,414	0.82	2.05	6,177	5,065	0.82	2.20
27	20	7,384	5,169	0.70	1.95	7,100	4,970	0.70	2.08	6,674	4,672	0.70	2.24
27	22	7,952	4,612	0.58	1.99	7,668	4,447	0.58	2.14	7,242	4,200	0.58	2.28
28	16	6,319	6,193	0.98	1.85	6,035	5,914	0.98	1.99	5,751	5,636	0.98	2.15
28	18	6,816	5,862	0.86	1.90	6,603	5,679	0.86	2.05	6,177	5,312	0.86	2.20
28	20	7,384	5,464	0.74	1.95	7,100	5,254	0.74	2.08	6,674	4,939	0.74	2.24
28	22	7,952	4,930	0.62	1.99	7,668	4,754	0.62	2.14	7,242	4,490	0.62	2.28
30	16	6,319	6,319	1.00	1.85	6,035	6,035	1.00	1.99	5,751	5,751	1.00	2.15
30	18	6,816	6,407	0.94	1.90	6,603	6,207	0.94	2.05	6,177	5,806	0.94	2.20
30	20	7,384	6,055	0.82	1.95	7,100	5,822	0.82	2.08	6,674	5,473	0.82	2.24
30	22	7,952	5,566	0.70	1.99	7,668	5,368	0.70	2.14	7,242	5,069	0.70	2.28
32	16	6,319	6,319	1.00	1.85	6,035	6,035	1.00	1.99	5,751	5,751	1.00	2.15
32	18	6,816	6,816	1.00	1.90	6,603	6,603	1.00	2.05	6,177	6,177	1.00	2.20
32	20	7,384	6,646	0.90	1.95	7,100	6,390	0.90	2.08	6,674	6,007	0.90	2.24
32	22	7,952	6,203	0.78	1.99	7,668	5,981	0.78	2.14	7,242	5,649	0.78	2.28
34	16	6,319	6,319	1.00	1.85	6,035	6,035	1.00	1.99	5,751	5,751	1.00	2.15
34	18	6,816	6,816	1.00	1.90	6,603	6,603	1.00	2.05	6,177	6,177	1.00	2.20
34	20	7,384	7,236	0.98	1.95	7,100	6,958	0.98	2.08	6,674	6,541	0.98	2.24
34	22	7,952	6,839	0.86	1.99	7,668	6,594	0.86	2.14	7,242	6,228	0.86	2.28

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

HEATING CAPACITY
PCA-M·KA / PUHZ-ZRP·VHA2 PUHZ-ZRP-VKA2 PUHZ-ZRP·VKA3 PUHZ-ZRP·YKA3

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PCA-M35KA	15	2,604	0.60	2,829	0.66	3,157	0.77	4,141	0.92	4,674	1.02	5,207	1.10
	20	2,501	0.65	2,706	0.71	2,993	0.83	3,998	0.99	4,510	1.10	5,023	1.18
	25	2,419	0.69	2,624	0.78	2,870	0.90	3,772	1.05	4,346	1.18	4,838	1.27
PCA-M50KA	15	3,493	0.86	3,795	0.94	4,235	1.09	5,555	1.31	6,270	1.45	6,985	1.57
	20	3,355	0.93	3,630	1.02	4,015	1.17	5,363	1.41	6,050	1.57	6,738	1.68
	25	3,245	0.99	3,520	1.10	3,850	1.28	5,060	1.49	5,830	1.67	6,490	1.81
PCA-M60KA	15	4,445	1.14	4,830	1.25	5,390	1.45	7,070	1.74	7,980	1.93	8,890	2.08
	20	4,270	1.24	4,620	1.35	5,110	1.56	6,825	1.87	7,700	2.08	8,575	2.24
	25	4,130	1.31	4,480	1.47	4,900	1.70	6,440	1.99	7,420	2.23	8,260	2.40
PCA-M71KA	15	5,080	1.30	5,520	1.43	6,160	1.65	8,080	1.98	9,120	2.20	10,160	2.38
	20	4,880	1.41	5,280	1.54	5,840	1.78	7,800	2.13	8,800	2.38	9,800	2.55
	25	4,720	1.50	5,120	1.67	5,600	1.94	7,360	2.27	8,480	2.54	9,440	2.74
PCA-M100KA	15	7,112	1.79	7,728	1.98	8,624	2.28	11,312	2.74	12,768	3.04	14,224	3.28
	20	6,832	1.95	7,392	2.13	8,176	2.46	10,920	2.95	12,320	3.28	13,720	3.53
	25	6,608	2.07	7,168	2.31	7,840	2.68	10,304	3.13	11,872	3.51	13,216	3.78
PCA-M125KA	15	8,890	2.24	9,660	2.47	10,780	2.85	14,140	3.42	15,960	3.80	17,780	4.10
	20	8,540	2.43	9,240	2.66	10,220	3.08	13,650	3.69	15,400	4.10	17,150	4.41
	25	8,260	2.58	8,960	2.89	9,800	3.34	12,880	3.91	14,840	4.39	16,520	4.73
PCA-M140KA	15	10,160	2.70	11,040	2.97	12,320	3.43	16,160	4.11	18,240	4.57	20,320	4.94
	20	9,760	2.92	10,560	3.20	11,680	3.70	15,600	4.43	17,600	4.94	19,600	5.30
	25	9,440	3.11	10,240	3.47	11,200	4.02	14,720	4.71	16,960	5.28	18,880	5.69

Note: CA : Capacity (W) P.C. : Total power input (kW)

PCA-M·KA / SUZ-KA·VA6

	Indoor intake air DB°C	Outdoor intake air WB°C													
		-15		-10		-5		0		5		10		15		20	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PCA-M35KA	15	2,050	0.55	2,583	0.683	3,116	0.819	3,649	0.924	4,182	0.998	4,715	1.061	5,207	1.092	5,740	1.113
	20	1,927	0.58	2,460	0.735	2,952	0.872	3,485	0.966	3,977	1.040	4,510	1.092	5,002	1.124	5,515	1.166
	25	1,681	0.63	2,214	0.788	2,747	0.924	3,239	1.019	3,772	1.092	4,305	1.145	4,797	1.176	5,330	1.208
PCA-M50KA	15	2,750	0.790	3,465	0.988	4,180	1.186	4,895	1.338	5,610	1.444	6,325	1.535	6,985	1.581	7,700	1.611
	20	2,585	0.842	3,300	1.064	3,960	1.262	4,675	1.398	5,335	1.505	6,050	1.581	6,710	1.626	7,398	1.687
	25	2,255	0.912	2,970	1.140	3,685	1.338	4,345	1.474	5,060	1.581	5,775	1.657	6,435	1.702	7,150	1.748
PCA-M60KA	15	3,450	0.993	4,347	1.242	5,244	1.490	6,141	1.681	7,038	1.815	7,935	1.929	8,763	1.986	9,660	2.025
	20	3,243	1.058	4,140	1.337	4,968	1.585	5,865	1.757	6,693	1.891	7,590	1.986	8,418	2.044	9,281	2.120
	25	2,829	1.146	3,726	1.433	4,623	1.681	5,451	1.853	6,348	1.986	7,245	2.082	8,073	2.139	8,970	2.197
PCA-M71KA	15	3,950	1.134	4,977	1.417	6,004	1.700	7,031	1.918	8,058	2.071	9,085	2.202	10,033	2.267	11,060	2.311
	20	3,713	1.208	4,740	1.526	5,688	1.809	6,715	2.006	7,663	2.158	8,690	2.267	9,638	2.333	10,626	2.420
	25	3,239	1.308	4,266	1.635	5,293	1.918	6,241	2.115	7,268	2.267	8,295	2.376	9,243	2.442	10,270	2.507

Note: CA : Capacity (W) P.C. : Total power input (kW)

PCA-M·KA / PUHZ-P·VKA PUHZ-P·YKA

	Indoor intake air DB°C												
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PCA-M100KA	15	7,112	1.99	7,728	2.19	8,624	2.53	11,312	3.03	12,768	3.37	14,224	3.64
	20	6,832	2.16	7,392	2.36	8,176	2.73	10,920	3.27	12,320	3.64	13,720	3.91
	25	6,608	2.29	7,168	2.56	7,840	2.97	10,304	3.47	11,872	3.89	13,216	4.20
PCA-M125KA	15	8,573	2.40	9,315	2.64	10,395	3.05	13,635	3.65	15,390	4.06	17,145	4.38
	20	8,235	2.60	8,910	2.84	9,855	3.29	13,163	3.94	14,850	4.38	16,538	4.71
	25	7,965	2.76	8,640	3.09	9,450	3.57	12,420	4.18	14,310	4.69	15,930	5.05
PCA-M140KA	15	9,525	2.64	10,350	2.91	11,550	3.35	15,150	4.02	17,100	4.47	19,050	4.83
	20	9,150	2.86	9,900	3.13	10,950	3.62	14,625	4.34	16,500	4.83	18,375	5.19
	25	8,850	3.04	9,600	3.40	10,500	3.93	13,800	4.60	15,900	5.16	17,700	5.57

Note: CA : Capacity (W) P.C. : Total power input (kW)

PCA-M·KA / PUHZ-FRP·VHA2

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PCA-M71KA	15	5,080	1.35	5,520	1.48	6,160	1.71	8,080	2.05	9,120	2.28	10,160	2.46
	20	4,880	1.46	5,280	1.60	5,840	1.85	7,800	2.21	8,800	2.46	9,800	2.64
	25	4,720	1.55	5,120	1.73	5,600	2.01	7,360	2.35	8,480	2.63	9,440	2.84

Note: CA : Capacity (W) P.C. : Total power input (kW)

A.3.6 FRESH AIR INTAKE

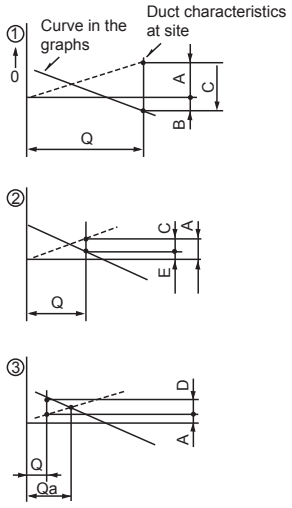
FRESH AIR INTAKE AMOUNT & STATIC PRESSURE CHARACTERISTICS

■ PCA-M35KA PCA-M50KA

■ PCA-M60KA PCA-M71KA

■ PCA-M100KA PCA-M125KA PCA-M140KA

How to read curves

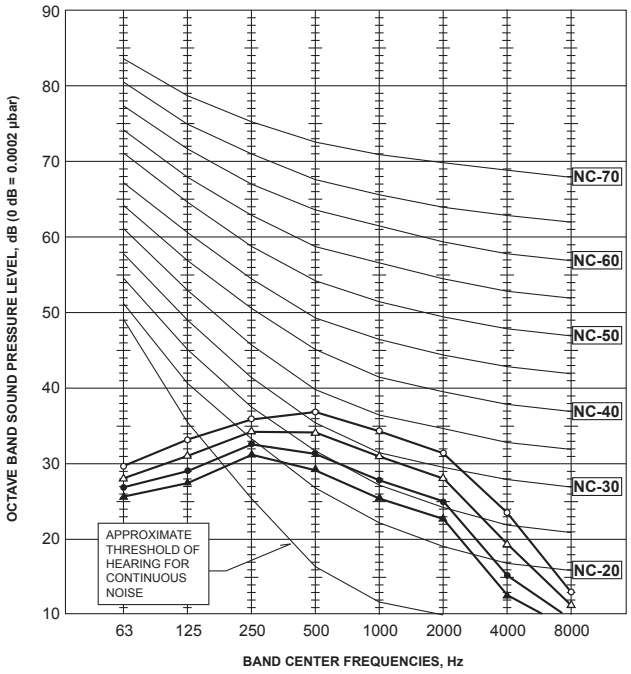


Q···Designed amount of fresh air intake <m³/min>
A···Static pressure loss of fresh air intake duct system with airflow amount Q <Pa>
B···Forced static pressure at air conditioner inlet with airflow amount Q <Pa>
C···Static pressure of booster fan with airflow amount Q <Pa>
D···Static pressure loss increase amount of fresh air intake duct system for airflow amount Q <Pa>
E···Static pressure of indoor unit with airflow amount Q <Pa>
Qa···Estimated amount of fresh air intake without D <m³/min>

A.3.7 NOISE CRITERIA CURVES

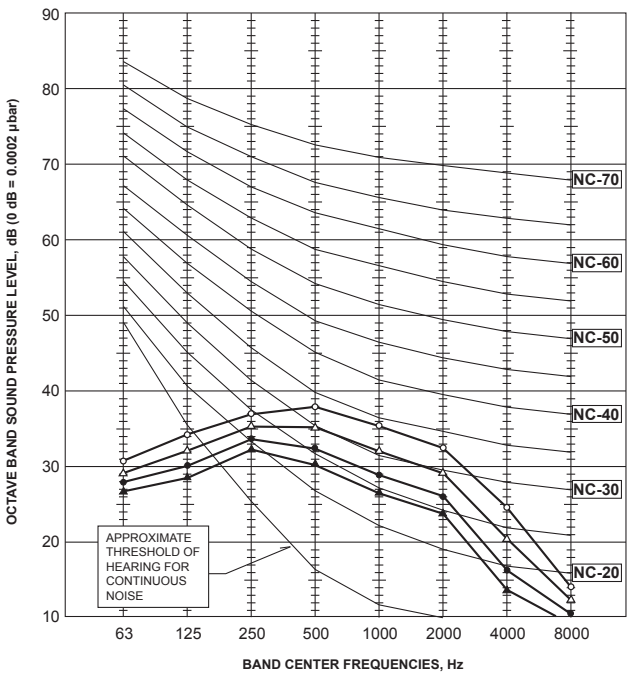
PCA-M35KA

NOTCH	SPL(dB)	LINE
High	39	
Medium1	36	
Medium2	33	
Low	31	



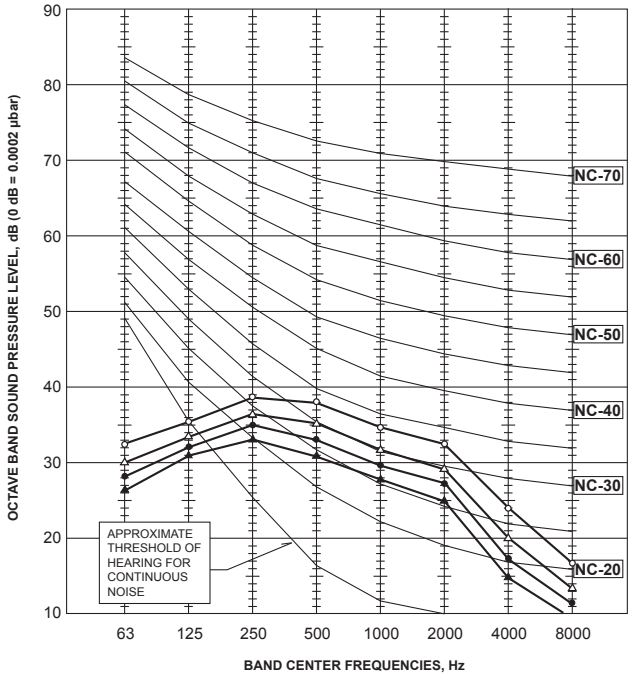
PCA-M50KA

NOTCH	SPL(dB)	LINE
High	40	
Medium1	37	
Medium2	34	
Low	32	



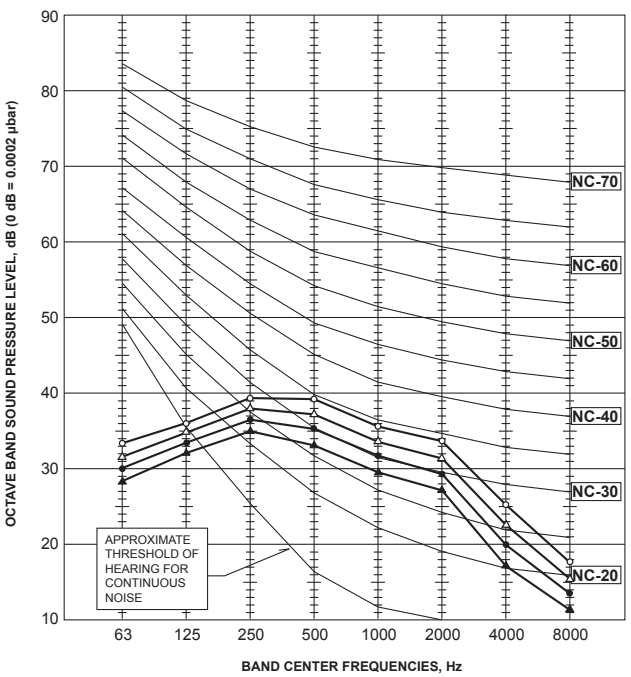
PCA-M60KA

NOTCH	SPL(dB)	LINE
High	40	
Medium1	37	
Medium2	35	
Low	33	



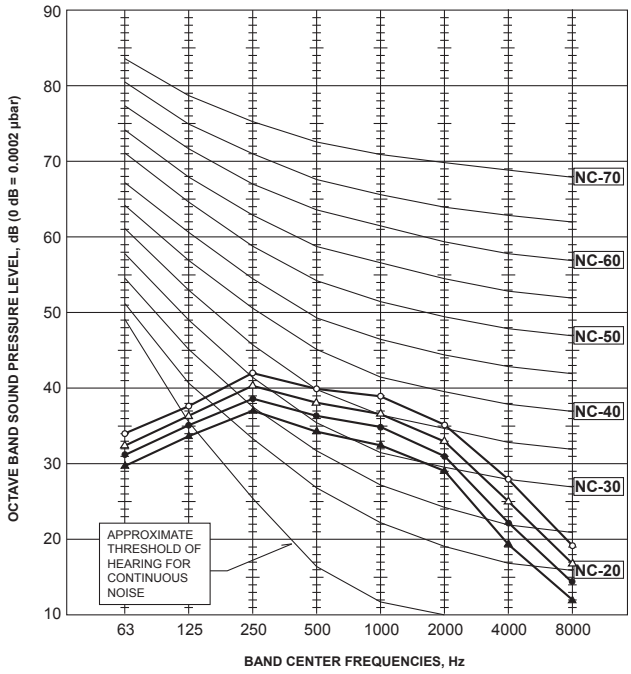
PCA-M71KA

NOTCH	SPL(dB)	LINE
High	41	
Medium1	39	
Medium2	37	
Low	35	



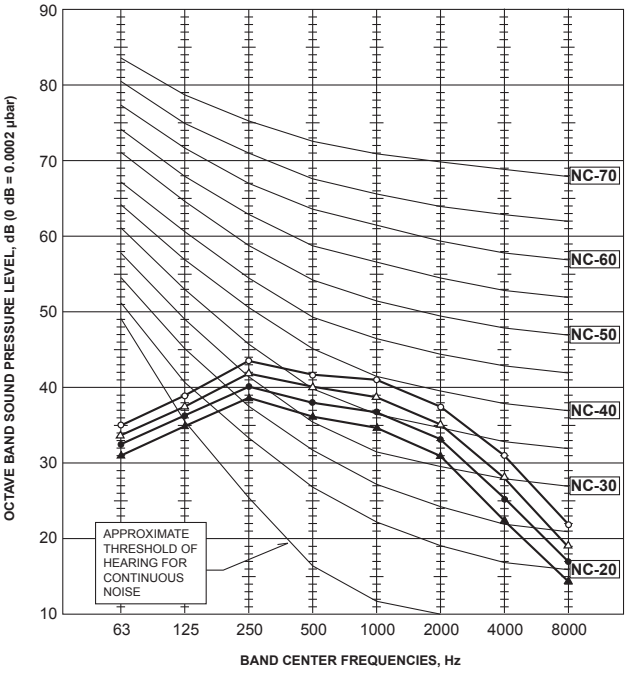
PCA-M100KA

NOTCH	SPL(dB)	LINE
High	43	
Medium1	41	
Medium2	39	
Low	37	



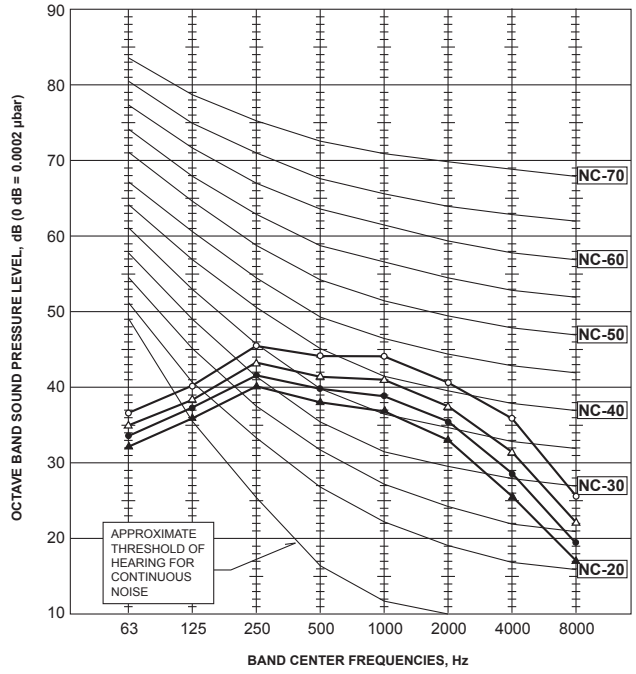
PCA-M125KA

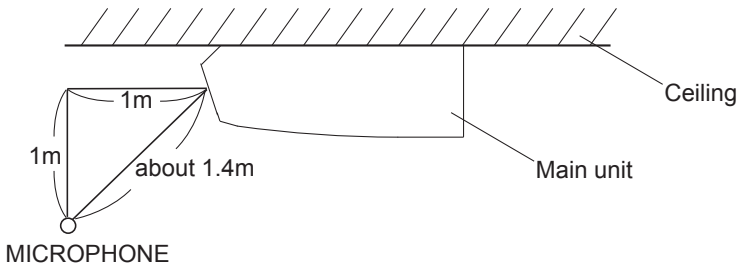
NOTCH	SPL(dB)	LINE
High	45	
Medium1	43	
Medium2	41	
Low	39	



PCA-M140KA

NOTCH	SPL(dB)	LINE
High	48	
Medium1	45	
Medium2	43	
Low	41	



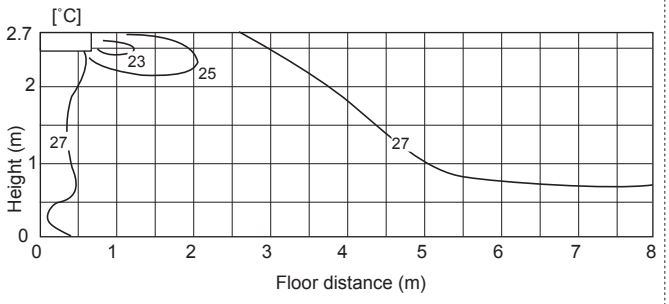


A.3.8 TEMPERATURE AND AIR FLOW DISTRIBUTIONS

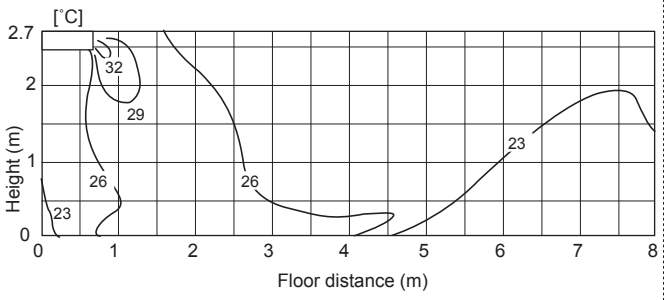
Temperature distributions

PCA-M71KA

<Cooling mode>
Flow angle : 10˚
Temperature setting : 27˚C
High notch

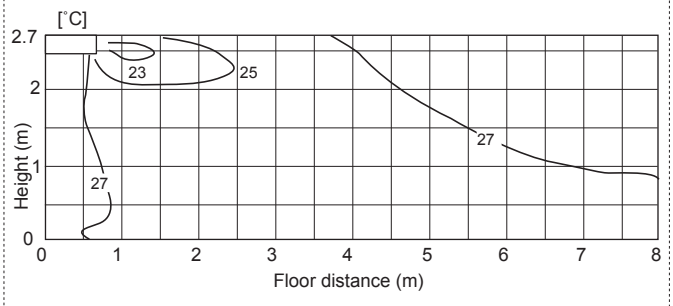


<Heating mode>
Flow angle : 60˚
Temperature setting : 20˚C
High notch

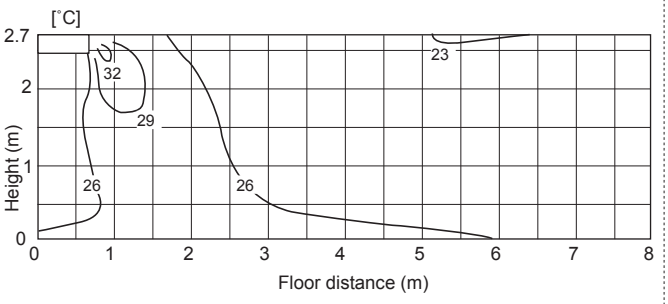


PCA-M125KA

<Cooling mode>
Flow angle : 10˚
Temperature setting : 27˚C
High notch



<Heating mode>
Flow angle : 60˚
Temperature setting : 20˚C
High notch

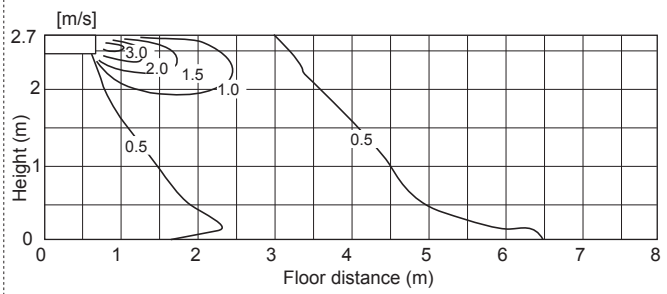


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ fom these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

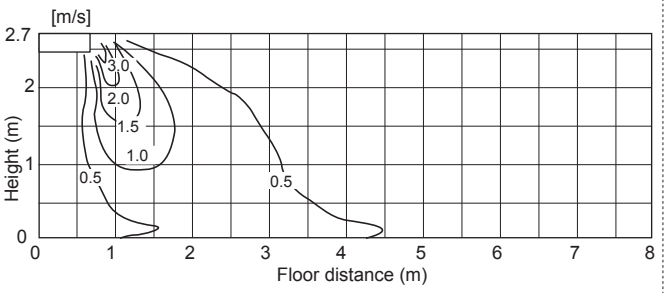
Airflow distributions

PCA-M71KA

<Cooling mode>
Flow angle : 10˚
Temperature setting : 27˚C
High notch
Ceiling height : 2.7m

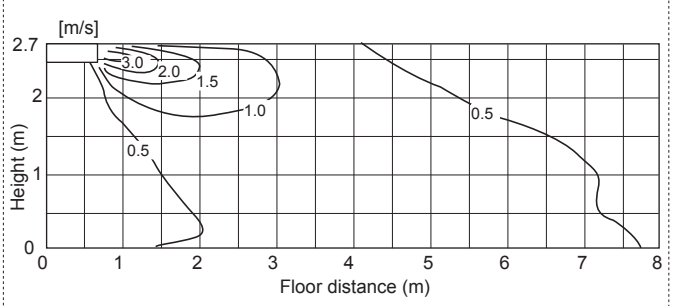


<Heating mode>
Flow angle : 60˚
Temperature setting : 20˚C
High notch
Ceiling height : 2.7m



PCA-M125KA

<Cooling mode>
Flow angle : 10˚
Temperature setting : 27˚C
High notch
Ceiling height : 2.7m



<Heating mode>
Flow angle : 60˚
Temperature setting : 20˚C
High notch
Ceiling height : 2.7m

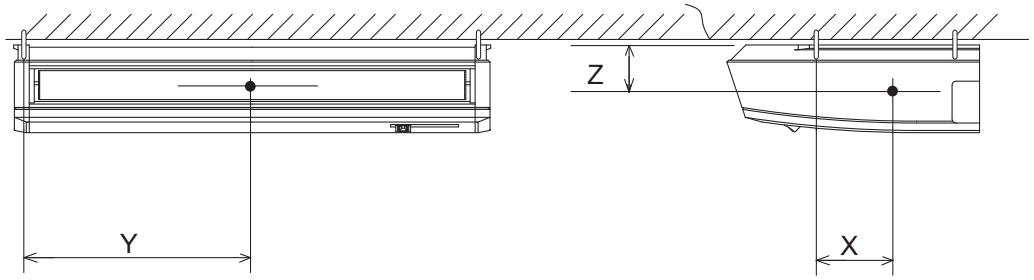
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

A.3.9 OUTLET AIR SPEED AND COVERAGE RANGE

	PCA-M35KA	PCA-M50KA	PCA-M60KA	PCA-RP71KA	PCA-M100KA	PCA-M125KA	PCA-M140KA
Air flow m^3/min	14	15	19	20	28	29	32
Air speed m/sec	3.1	3.3	3.1	3.2	3.6	3.7	4.1
Coverage range m	8.4	9.0	9.6	10.1	12.5	12.9	14.2

※ The air coverage range is the distance to which the 0.25m/sec air can reach,when air is blown out horizontally from the unit at the High notch position.
The coverage range should be used only as a general guideline since it varies according to the size of the room and the furniture inside the room.

A.3.10 CENTER OF GRAVITY POSITION



[Unit: mm]

Model	X	Y	Z
PCA-M35KA	110	450	115
PCA-M50KA	110	450	115
PCA-M60KA	110	610	115
PCA-M71KA	110	610	115
PCA-M100KA	110	770	115
PCA-M125KA	110	770	115
PCA-M140KA	110	770	115

A.4 CEILING-SUSPENDED for Professional kitchens (PCA)

A.4.1 SPECIFICATIONS

A.4.1.1 R32 type

1. Power Inverter SERIES

Model Name	Indoor Unit				PCA-M71HA
	Outdoor Unit				PUZ-ZM71VHA
Power Supply				Source	Outdoor power supply
	Out			V	230
				Phase	Single
				Hz	50
	In			V	-
				Phase	-
				Hz	-
Refrigerant					R32
Cooling	Capacity	Rated		kW	7.1
		Max.		kW	8.1
		Min.		kW	3.3
	SHF	Rated			0.74
	Total Input	Rated		kW	2.02
	EER				3.50
	Annual Electricity Consumption			kWh/a	444
	SEER				5.6
		Energy efficiency class			A+
Heating	Capacity	Rated		kW	7.6
		Max.		kW	10.2
		Min.		kW	3.5
	Total Input	Rated		kW	2.17
	COP				3.50
	Annual Electricity Consumption			kWh/a	1673
	SCOP				3.9
		Energy efficiency class			A
Operating Current(max)				A	19.4
Indoor Unit	Input	Rated		kW	0.10
	Operating Current(max)			A	0.43
	Dimensions		Height	mm	280
			Width	mm	1136
			Depth	mm	650
	Weight			kg	42
	Air Volume		Low	m³/min.	16.0
			Mid2	m³/min.	-
			Mid	m³/min.	-
			Hi	m³/min.	18.0
	External Static Pressure			Pa	-
	Sound Level (SPL)		Low	dB(A)	37
			Mid2	dB(A)	-
			Mid	dB(A)	-
			Hi	dB(A)	39
	Sound Level (PWL)	Cooling			56
Outdoor Unit	Dimensions		Height	mm	943
			Width	mm	950
			Depth	mm	330 (+30)
	Weight			kg	70
	Air Volume	Cooling	Rated	m³/min.	55.0
		Heating	Rated	m³/min.	55.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	47
			Silent	dB(A)	44
		Heating	Rated	dB(A)	49
	Sound Level (PWL)	Cooling			67
	Operating Current(max)			A	19.0
	Breaker Size			A	25
Ext. Piping	Diameter	Liquid		mm	9.52
		Gas		mm	15.88
	Max. Length	Out-In		m	55
	Max. Height	Out-In	Below Indoor	m	30
			Above Indoor	m	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46
			Lower Limit.	°C	-15*
		Heating	Upper Limit.	°C	21
			Lower Limit.	°C	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

A.4.1.2 R410A type
1. Power Inverter SERIES

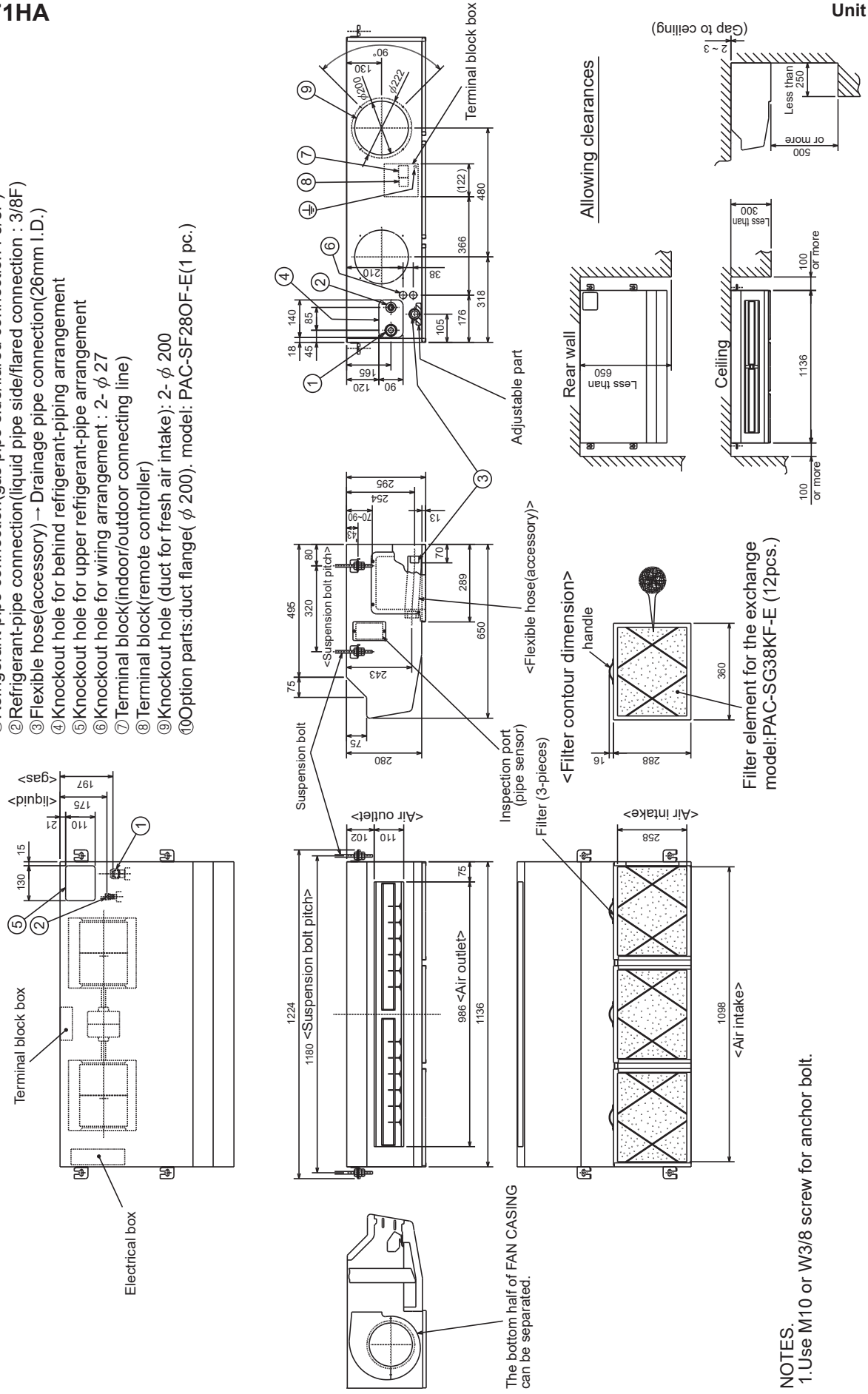
Model Name	Indoor Unit				PCA-M71HA
	Outdoor Unit				PUHZ-ZRP71VHA2
Power Supply				Source	Outdoor power supply
	Out			V	230
				Phase	Single
				Hz	50
	In			V	-
				Phase	-
				Hz	-
Refrigerant					R410A
Cooling	Capacity	Rated		kW	7.1
		Max.		kW	8.1
		Min.		kW	3.3
	SHF	Rated			0.74
	Total Input	Rated		kW	2.17
	EER				3.20
	Annual Electricity Consumption			kWh/a	447
	SEER				5.6
		Energy efficiency class			A+
Heating	Capacity	Rated		kW	7.6
		Max.		kW	10.2
		Min.		kW	3.5
	Total Input	Rated		kW	2.35
	COP				3.20
	Annual Electricity Consumption			kWh/a	1751
	SCOP				3.8
		Energy efficiency class			A
Operating Current(max)				A	19.4
Indoor Unit	Input	Rated		kW	0.10
	Operating Current(max)			A	0.43
	Dimensions		Height	mm	280
			Width	mm	1136
			Depth	mm	650
	Weight			kg	42
	Air Volume		Low	m³/min.	16.0
			Mid2	m³/min.	-
			Mid	m³/min.	-
			Hi	m³/min.	18.0
	External Static Pressure			Pa	-
	Sound Level (SPL)		Low	dB(A)	37
			Mid2	dB(A)	-
			Mid	dB(A)	-
			Hi	dB(A)	39
	Sound Level (PWL)	Cooling			56
Outdoor Unit	Dimensions		Height	mm	943
			Width	mm	950
			Depth	mm	330 (+30)
	Weight			kg	70
	Air Volume	Cooling	Rated	m³/min.	55.0
		Heating	Rated	m³/min.	55.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	47
			Silent	dB(A)	44
		Heating	Rated	dB(A)	48
	Sound Level (PWL)	Cooling			67
	Operating Current(max)			A	19.0
	Breaker Size			A	25
Ext. Piping	Diameter	Liquid		mm	9.52
		Gas		mm	15.88
	Max. Length	Out-In		m	50
	Max. Height	Out-In	Below Indoor	m	30
			Above Indoor	m	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46
			Lower Limit.	°C	-15*
		Heating	Upper Limit.	°C	21
			Lower Limit.	°C	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

A.4.2 OUTLINES AND DIMENSIONS

PCA-M71HA

Unit : mm



A.4.3 WIRING DIAGRAM

PCA-M71HA

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
P. B	INDOOR POWER BOARD	MF1	FAN MOTOR
I. B	INDOOR CONTROLLER BOARD	C1	CAPACITOR (FAN MOTOR)
FUSE	FUSE (T6.3AL250V)	H2	DEW PREVENTION HEATER
CN2L	CONNECTOR (LOSSNAY)	TB2	TERMINAL BLOCK (INDOOR UNIT POWER (OPTION PARTS))
CN32	CONNECTOR (REMOTE SWITCH)		
CN41	CONNECTOR (HA TERMINAL-A)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN51	CONNECTOR (CENTRALLY CONTROL)		
CN90	CONNECTOR (REMOTE OPERATION ADAPTOR)	TB5, TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
LED1	POWER SUPPLY (I. B)		
LED2	POWER SUPPLY (R. B)	TH1	ROOM TEMP. THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)
LED3	TRANSMISSION (INDOOR-OUTDOOR)		
X1	RELAY (DEW PREVENTION HEATER)	TH2	PIPE TEMP. THERMISTOR/LIQUID (0°C/15kΩ, 25°C/5.4kΩ DETECT)
X4	RELAY (FAN MOTOR)		
X5	RELAY (FAN MOTOR)	TH5	COND./ EVA.TEMP.THERMISTOR (0°C/15kΩ, 25°C/5.4kΩ DETECT)
X6	RELAY (FAN MOTOR)		
SW1	SWITCH (MODEL SELECTION) *See Table 1.	R. B	WIRED REMOTE CONTROLLER BOARD
SW2	SWITCH (CAPACITY CODE) *See Table 2.		
SWE	SWITCH (EMERGENCY OPERATION)		

Check code	Symptom
P1	Abnormality of room temperature thermistor (TH1) .
P2	Abnormality of pipe temperature thermistor/Liquid (TH2) .
P6	Freezing /overheating protection is working.
P8	Abnormality of pipe temperature.
P9	Abnormality of pipe temperature thermistor/ Cond. Eva. (TH5).
E0–E5	Abnormality of the signal transmission between remote controller and indoor unit.
E6–EF	Abnormality of the signal transmission between indoor unit and outdoor unit.
Fb	Abnormality of indoor controller board.
U*,F*	Abnormality in outdoor unit. Refer to outdoor unit wiring diagram.
----	No trouble generated in the past.
FFFF	No corresponding unit.

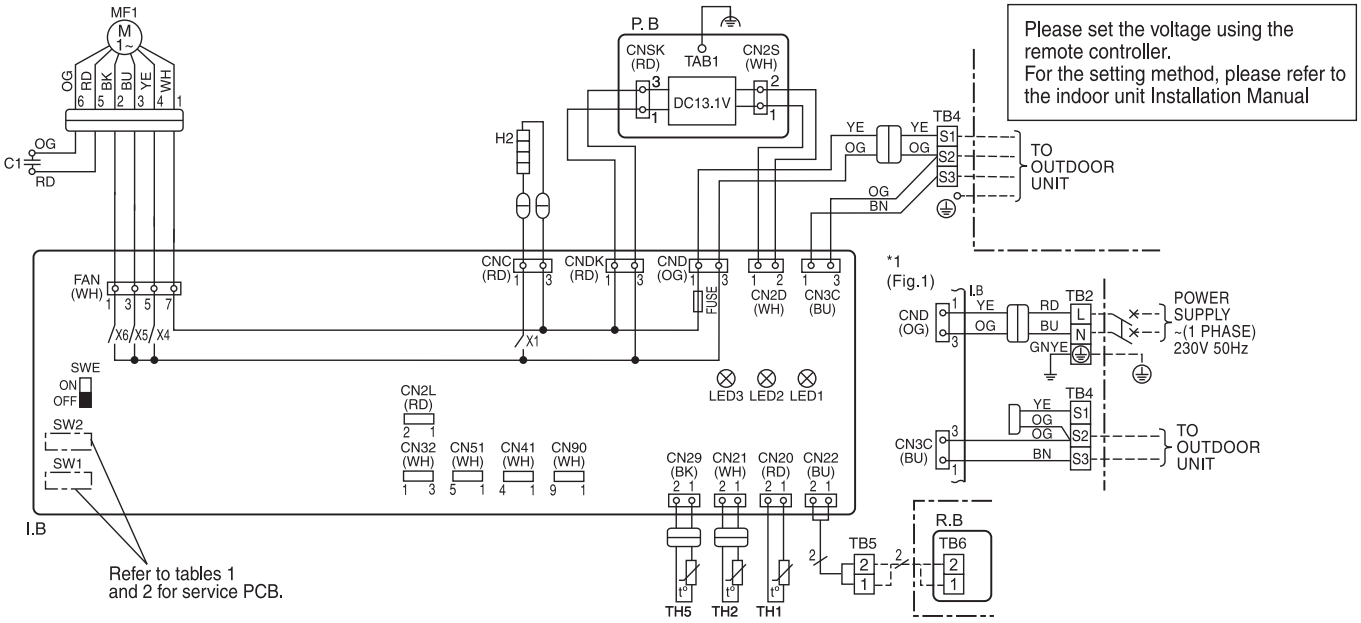


Table 1

SW1
Service board
1 2 3 4 5 ON OFF

Table 2

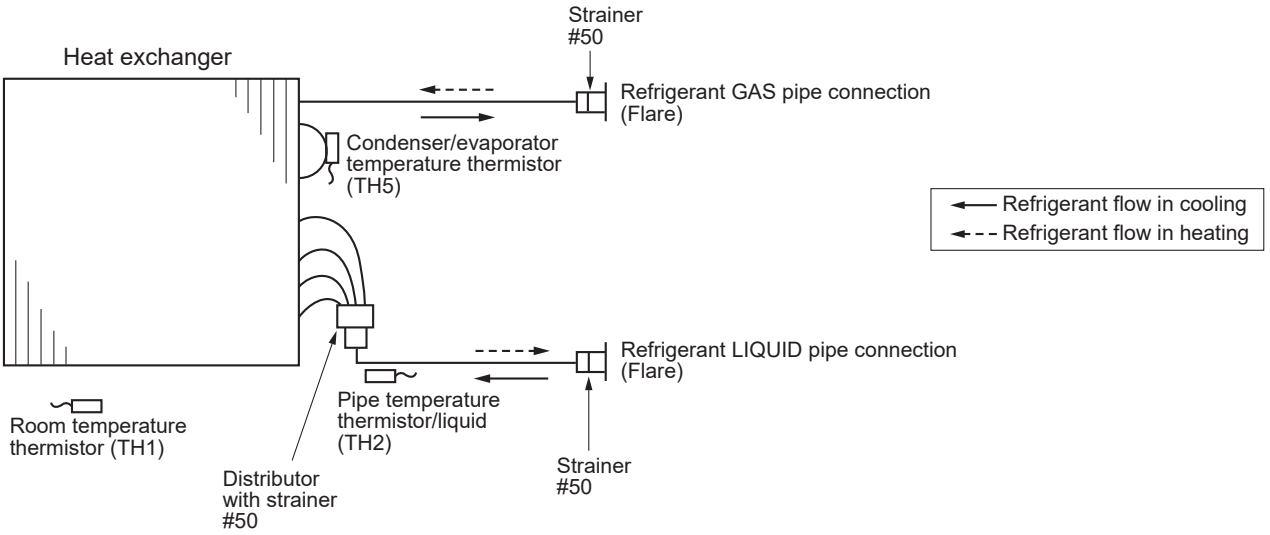
SW2	
MODELS	Service board
PCA-M71HA	1 2 3 4 5 ON OFF

The black square (■) indicates a switch position.

NOTES:
1.Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2.Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3.Symbols used in wiring diagram above are, ⊡: Connector, □□□ : Terminal (block).
*1 ; When work to supply power separately to Indoor and Outdoor unit was applied, refer to Fig 1.
*2 ; For power supply system of this unit, refer to the caution label located near this diagram.
[Self-diagnosis]
For the wired remote controller: When you select “self check” function in service menu the unit begins self-diagnosis. (Refer to the Installtion manual)
And Check Codes generated in the past appear on the display. For Check Codes and symptoms refer to the table above.
[Emergency operation procedure]
1.When the wired remote controller or the indoor unit microcomputer has failed, but all other components work properly, if you set the switch (SWE) on the indoor controller board ON, the indoor unit will begin Emergency Operation.
When Emergency Operation is activated, the indoor unit operates as follows:
Indoor fan is running at high speed.
2.When you activate emergency operation of the cooling or heating, you have to set the switch(SWE) on the indoor controller board and activate emergency operation of the outdoor unit. For details on how to activate emergency operation of the outdoor unit, refer to the outdoor unit wiring diagram.
3.Before you activate emergency operation, check the following points:
(1) Emergency operation cannot be activated when:
• the outdoor unit malfunctions.
• the indoor fan malfunctions.
(2) Emergency operation becomes continuous only by switching the power source on/off. ON/OFF on the remote controller or temperature control etc, dose not function.
(3) Avoid operating for a long time when the outdoor unit begins defrosting while emergency operation of the heating is activated, because it will start to blow cold air.
(4) Emergency cooling should be limited to 10 hours maximum (The indoor unit heat exchanger may freeze).
(5) After emergency operation has been deactivated, set the switches etc. to their original positions.

A.4.4 REFRIGERANT SYSTEM DIAGRAM

PCA-M71HA



A.4.5 PERFORMANCE DATA

A.4.5.1 R32 type

COOLING CAPACITY
PCA-M71HA / PUZ-ZM71VHA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	7,029	4,499	0.64	1.62	6,816	4,362	0.64	1.71	6,603	4,226	0.64	1.81
20	18	7,526	3,914	0.52	1.65	7,313	3,803	0.52	1.74	7,065	3,674	0.52	1.86
20	20	8,094	3,238	0.40	1.70	7,917	3,167	0.40	1.78	7,704	3,081	0.40	1.90
22	16	7,029	5,061	0.72	1.62	6,816	4,908	0.72	1.71	6,603	4,754	0.72	1.81
22	18	7,526	4,516	0.60	1.65	7,313	4,388	0.60	1.74	7,065	4,239	0.60	1.86
22	20	8,094	3,885	0.48	1.70	7,917	3,800	0.48	1.78	7,704	3,698	0.48	1.90
24	16	7,029	5,623	0.80	1.62	6,816	5,453	0.80	1.71	6,603	5,282	0.80	1.81
24	18	7,526	5,118	0.68	1.65	7,313	4,973	0.68	1.74	7,065	4,804	0.68	1.86
24	20	8,094	4,533	0.56	1.70	7,917	4,433	0.56	1.78	7,704	4,314	0.56	1.90
24	22	8,627	3,796	0.44	1.74	8,449	3,718	0.44	1.84	8,236	3,624	0.44	1.96
26	16	7,029	6,186	0.88	1.62	6,816	5,998	0.88	1.71	6,603	5,811	0.88	1.81
26	18	7,526	5,720	0.76	1.65	7,313	5,558	0.76	1.74	7,065	5,369	0.76	1.86
26	20	8,094	5,180	0.64	1.70	7,917	5,067	0.64	1.78	7,704	4,930	0.64	1.90
26	22	8,627	4,486	0.52	1.74	8,449	4,393	0.52	1.84	8,236	4,283	0.52	1.96
27	16	7,029	6,467	0.92	1.62	6,816	6,271	0.92	1.71	6,603	6,075	0.92	1.81
27	18	7,526	6,021	0.80	1.65	7,313	5,850	0.80	1.74	7,065	5,652	0.80	1.86
27	20	8,094	5,504	0.68	1.70	7,917	5,383	0.68	1.78	7,704	5,238	0.68	1.90
27	22	8,627	4,831	0.56	1.74	8,449	4,731	0.56	1.84	8,236	4,612	0.56	1.96
28	16	7,029	6,748	0.96	1.62	6,816	6,543	0.96	1.71	6,603	6,339	0.96	1.81
28	18	7,526	6,322	0.84	1.65	7,313	6,143	0.84	1.74	7,065	5,934	0.84	1.86
28	20	8,094	5,828	0.72	1.70	7,917	5,700	0.72	1.78	7,704	5,547	0.72	1.90
28	22	8,627	5,176	0.60	1.74	8,449	5,069	0.60	1.84	8,236	4,942	0.60	1.96
30	16	7,029	7,029	1.00	1.62	6,816	6,816	1.00	1.71	6,603	6,603	1.00	1.81
30	18	7,526	6,924	0.92	1.65	7,313	6,728	0.92	1.74	7,065	6,499	0.92	1.86
30	20	8,094	6,475	0.80	1.70	7,917	6,333	0.80	1.78	7,704	6,163	0.80	1.90
30	22	8,627	5,866	0.68	1.74	8,449	5,745	0.68	1.84	8,236	5,600	0.68	1.96
32	16	7,029	7,029	1.00	1.62	6,816	6,816	1.00	1.71	6,603	6,603	1.00	1.81
32	18	7,526	7,526	1.00	1.65	7,313	7,313	1.00	1.74	7,065	7,065	1.00	1.86
32	20	8,094	7,123	0.88	1.70	7,917	6,967	0.88	1.78	7,704	6,779	0.88	1.90
32	22	8,627	6,556	0.76	1.74	8,449	6,421	0.76	1.84	8,236	6,259	0.76	1.96
34	16	7,029	7,029	1.00	1.62	6,816	6,816	1.00	1.71	6,603	6,603	1.00	1.81
34	18	7,526	7,526	1.00	1.65	7,313	7,313	1.00	1.74	7,065	7,065	1.00	1.86
34	20	8,094	7,770	0.96	1.70	7,917	7,600	0.96	1.78	7,704	7,395	0.96	1.90
34	22	8,627	7,246	0.84	1.74	8,449	7,097	0.84	1.84	8,236	6,918	0.84	1.96

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	6,319	4,044	0.64	1.94	6,035	3,862	0.64	2.08	5,751	3,681	0.64	2.25
20	18	6,816	3,544	0.52	1.99	6,603	3,434	0.52	2.14	6,177	3,212	0.52	2.30
20	20	7,384	2,954	0.40	2.04	7,100	2,840	0.40	2.18	6,674	2,670	0.40	2.34
22	16	6,319	4,550	0.72	1.94	6,035	4,345	0.72	2.08	5,751	4,141	0.72	2.25
22	18	6,816	4,090	0.60	1.99	6,603	3,962	0.60	2.14	6,177	3,706	0.60	2.30
22	20	7,384	3,544	0.48	2.04	7,100	3,408	0.48	2.18	6,674	3,204	0.48	2.34
24	16	6,319	5,055	0.80	1.94	6,035	4,828	0.80	2.08	5,751	4,601	0.80	2.25
24	18	6,816	4,635	0.68	1.99	6,603	4,490	0.68	2.14	6,177	4,200	0.68	2.30
24	20	7,384	4,135	0.56	2.04	7,100	3,976	0.56	2.18	6,674	3,737	0.56	2.34
24	22	7,952	3,499	0.44	2.08	7,668	3,374	0.44	2.24	7,242	3,186	0.44	2.38
26	16	6,319	5,561	0.88	1.94	6,035	5,311	0.88	2.08	5,751	5,061	0.88	2.25
26	18	6,816	5,180	0.76	1.99	6,603	5,018	0.76	2.14	6,177	4,695	0.76	2.30
26	20	7,384	4,726	0.64	2.04	7,100	4,544	0.64	2.18	6,674	4,271	0.64	2.34
26	22	7,952	4,135	0.52	2.08	7,668	3,987	0.52	2.24	7,242	3,766	0.52	2.38
27	16	6,319	5,813	0.92	1.94	6,035	5,552	0.92	2.08	5,751	5,291	0.92	2.25
27	18	6,816	5,453	0.80	1.99	6,603	5,282	0.80	2.14	6,177	4,942	0.80	2.30
27	20	7,384	5,021	0.68	2.04	7,100	4,828	0.68	2.18	6,674	4,538	0.68	2.34
27	22	7,952	4,453	0.56	2.08	7,668	4,294	0.56	2.24	7,242	4,056	0.56	2.38
28	16	6,319	6,066	0.96	1.94	6,035	5,794	0.96	2.08	5,751	5,521	0.96	2.25
28	18	6,816	5,725	0.84	1.99	6,603	5,547	0.84	2.14	6,177	5,189	0.84	2.30
28	20	7,384	5,316	0.72	2.04	7,100	5,112	0.72	2.18	6,674	4,805	0.72	2.34
28	22	7,952	4,771	0.60	2.08	7,668	4,601	0.60	2.24	7,242	4,345	0.60	2.38
30	16	6,319	6,319	1.00	1.94	6,035	6,035	1.00	2.08	5,751	5,751	1.00	2.25
30	18	6,816	6,271	0.92	1.99	6,603	6,075	0.92	2.14	6,177	5,683	0.92	2.30
30	20	7,384	5,907	0.80	2.04	7,100	5,680	0.80	2.18	6,674	5,339	0.80	2.34
30	22	7,952	5,407	0.68	2.08	7,668	5,214	0.68	2.24	7,242	4,925	0.68	2.38
32	16	6,319	6,319	1.00	1.94	6,035	6,035	1.00	2.08	5,751	5,751	1.00	2.25
32	18	6,816	6,816	1.00	1.99	6,603	6,603	1.00	2.14	6,177	6,177	1.00	2.30
32	20	7,384	6,498	0.88	2.04	7,100	6,248	0.88	2.18	6,674	5,873	0.88	2.34
32	22	7,952	6,044	0.76	2.08	7,668	5,828	0.76	2.24	7,242	5,504	0.76	2.38
34	16	6,319	6,319	1.00	1.94	6,035	6,035	1.00	2.08	5,751	5,751	1.00	2.25
34	18	6,816	6,816	1.00	1.99	6,603	6,603	1.00	2.14	6,177	6,177	1.00	2.30
34	20	7,384	7,089	0.96	2.04	7,100	6,816	0.96	2.18	6,674	6,407	0.96	2.34
34	22	7,952	6,680	0.84	2.08	7,668	6,441	0.84	2.24	7,242	6,083	0.84	2.38

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

A.4.5.2 R410A type

COOLING CAPACITY
PCA-M71HA / PUHZ-ZRP71VHA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		20				25				30			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	7,029	4,499	0.64	1.74	6,816	4,362	0.64	1.83	6,603	4,226	0.64	1.94
20	18	7,526	3,914	0.52	1.77	7,313	3,803	0.52	1.87	7,065	3,674	0.52	2.00
20	20	8,094	3,238	0.40	1.82	7,917	3,167	0.40	1.91	7,704	3,081	0.40	2.04
22	16	7,029	5,061	0.72	1.74	6,816	4,908	0.72	1.83	6,603	4,754	0.72	1.94
22	18	7,526	4,516	0.60	1.77	7,313	4,388	0.60	1.87	7,065	4,239	0.60	2.00
22	20	8,094	3,885	0.48	1.82	7,917	3,800	0.48	1.91	7,704	3,698	0.48	2.04
24	16	7,029	5,623	0.80	1.74	6,816	5,453	0.80	1.83	6,603	5,282	0.80	1.94
24	18	7,526	5,118	0.68	1.77	7,313	4,973	0.68	1.87	7,065	4,804	0.68	2.00
24	20	8,094	4,533	0.56	1.82	7,917	4,433	0.56	1.91	7,704	4,314	0.56	2.04
24	22	8,627	3,796	0.44	1.87	8,449	3,718	0.44	1.97	8,236	3,624	0.44	2.10
26	16	7,029	6,186	0.88	1.74	6,816	5,998	0.88	1.83	6,603	5,811	0.88	1.94
26	18	7,526	5,720	0.76	1.77	7,313	5,558	0.76	1.87	7,065	5,369	0.76	2.00
26	20	8,094	5,180	0.64	1.82	7,917	5,067	0.64	1.91	7,704	4,930	0.64	2.04
26	22	8,627	4,486	0.52	1.87	8,449	4,393	0.52	1.97	8,236	4,283	0.52	2.10
27	16	7,029	6,467	0.92	1.74	6,816	6,271	0.92	1.83	6,603	6,075	0.92	1.94
27	18	7,526	6,021	0.80	1.77	7,313	5,850	0.80	1.87	7,065	5,652	0.80	2.00
27	20	8,094	5,504	0.68	1.82	7,917	5,383	0.68	1.91	7,704	5,238	0.68	2.04
27	22	8,627	4,831	0.56	1.87	8,449	4,731	0.56	1.97	8,236	4,612	0.56	2.10
28	16	7,029	6,748	0.96	1.74	6,816	6,543	0.96	1.83	6,603	6,339	0.96	1.94
28	18	7,526	6,322	0.84	1.77	7,313	6,143	0.84	1.87	7,065	5,934	0.84	2.00
28	20	8,094	5,828	0.72	1.82	7,917	5,700	0.72	1.91	7,704	5,547	0.72	2.04
28	22	8,627	5,176	0.60	1.87	8,449	5,069	0.60	1.97	8,236	4,942	0.60	2.10
30	16	7,029	7,029	1.00	1.74	6,816	6,816	1.00	1.83	6,603	6,603	1.00	1.94
30	18	7,526	6,924	0.92	1.77	7,313	6,728	0.92	1.87	7,065	6,499	0.92	2.00
30	20	8,094	6,475	0.80	1.82	7,917	6,333	0.80	1.91	7,704	6,163	0.80	2.04
30	22	8,627	5,866	0.68	1.87	8,449	5,745	0.68	1.97	8,236	5,600	0.68	2.10
32	16	7,029	7,029	1.00	1.74	6,816	6,816	1.00	1.83	6,603	6,603	1.00	1.94
32	18	7,526	7,526	1.00	1.77	7,313	7,313	1.00	1.87	7,065	7,065	1.00	2.00
32	20	8,094	7,123	0.88	1.82	7,917	6,967	0.88	1.91	7,704	6,779	0.88	2.04
32	22	8,627	6,556	0.76	1.87	8,449	6,421	0.76	1.97	8,236	6,259	0.76	2.10
34	16	7,029	7,029	1.00	1.74	6,816	6,816	1.00	1.83	6,603	6,603	1.00	1.94
34	18	7,526	7,526	1.00	1.77	7,313	7,313	1.00	1.87	7,065	7,065	1.00	2.00
34	20	8,094	7,770	0.96	1.82	7,917	7,600	0.96	1.91	7,704	7,395	0.96	2.04
34	22	8,627	7,246	0.84	1.87	8,449	7,097	0.84	1.97	8,236	6,918	0.84	2.10

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				45			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	6,319	4,044	0.64	2.08	6,035	3,862	0.64	2.24	5,751	3,681	0.64	2.42
20	18	6,816	3,544	0.52	2.14	6,603	3,434	0.52	2.30	6,177	3,212	0.52	2.47
20	20	7,384	2,954	0.40	2.19	7,100	2,840	0.40	2.34	6,674	2,670	0.40	2.52
22	16	6,319	4,550	0.72	2.08	6,035	4,345	0.72	2.24	5,751	4,141	0.72	2.42
22	18	6,816	4,090	0.60	2.14	6,603	3,962	0.60	2.30	6,177	3,706	0.60	2.47
22	20	7,384	3,544	0.48	2.19	7,100	3,408	0.48	2.34	6,674	3,204	0.48	2.52
24	16	6,319	5,055	0.80	2.08	6,035	4,828	0.80	2.24	5,751	4,601	0.80	2.42
24	18	6,816	4,635	0.68	2.14	6,603	4,490	0.68	2.30	6,177	4,200	0.68	2.47
24	20	7,384	4,135	0.56	2.19	7,100	3,976	0.56	2.34	6,674	3,737	0.56	2.52
24	22	7,952	3,499	0.44	2.24	7,668	3,374	0.44	2.41	7,242	3,186	0.44	2.56
26	16	6,319	5,561	0.88	2.08	6,035	5,311	0.88	2.24	5,751	5,061	0.88	2.42
26	18	6,816	5,180	0.76	2.14	6,603	5,018	0.76	2.30	6,177	4,695	0.76	2.47
26	20	7,384	4,726	0.64	2.19	7,100	4,544	0.64	2.34	6,674	4,271	0.64	2.52
26	22	7,952	4,135	0.52	2.24	7,668	3,987	0.52	2.41	7,242	3,766	0.52	2.56
27	16	6,319	5,813	0.92	2.08	6,035	5,552	0.92	2.24	5,751	5,291	0.92	2.42
27	18	6,816	5,453	0.80	2.14	6,603	5,282	0.80	2.30	6,177	4,942	0.80	2.47
27	20	7,384	5,021	0.68	2.19	7,100	4,828	0.68	2.34	6,674	4,538	0.68	2.52
27	22	7,952	4,453	0.56	2.24	7,668	4,294	0.56	2.41	7,242	4,056	0.56	2.56
28	16	6,319	6,066	0.96	2.08	6,035	5,794	0.96	2.24	5,751	5,521	0.96	2.42
28	18	6,816	5,725	0.84	2.14	6,603	5,547	0.84	2.30	6,177	5,189	0.84	2.47
28	20	7,384	5,316	0.72	2.19	7,100	5,112	0.72	2.34	6,674	4,805	0.72	2.52
28	22	7,952	4,771	0.60	2.24	7,668	4,601	0.60	2.41	7,242	4,345	0.60	2.56
30	16	6,319	6,319	1.00	2.08	6,035	6,035	1.00	2.24	5,751	5,751	1.00	2.42
30	18	6,816	6,271	0.92	2.14	6,603	6,075	0.92	2.30	6,177	5,683	0.92	2.47
30	20	7,384	5,907	0.80	2.19	7,100	5,680	0.80	2.34	6,674	5,339	0.80	2.52
30	22	7,952	5,407	0.68	2.24	7,668	5,214	0.68	2.41	7,242	4,925	0.68	2.56
32	16	6,319	6,319	1.00	2.08	6,035	6,035	1.00	2.24	5,751	5,751	1.00	2.42
32	18	6,816	6,816	1.00	2.14	6,603	6,603	1.00	2.30	6,177	6,177	1.00	2.47
32	20	7,384	6,498	0.88	2.19	7,100	6,248	0.88	2.34	6,674	5,873	0.88	2.52
32	22	7,952	6,044	0.76	2.24	7,668	5,828	0.76	2.41	7,242	5,504	0.76	2.56
34	16	6,319	6,319	1.00	2.08	6,035	6,035	1.00	2.24	5,751	5,751	1.00	2.42
34	18	6,816	6,816	1.00	2.14	6,603	6,603	1.00	2.30	6,177	6,177	1.00	2.47
34	20	7,384	7,089	0.96	2.19	7,100	6,816	0.96	2.34	6,674	6,407	0.96	2.52
34	22	7,952	6,680	0.84	2.24	7,668	6,441	0.84	2.41	7,242	6,083	0.84	2.56

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

HEATING CAPACITY
PCA-M·HA / PUZ-ZM·VHA

	Indoor intake air DB℃	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PCA-M71HA	15	4,826	1.28	5,244	1.41	5,852	1.63	7,676	1.95	8,664	2.17	9,652	2.34
	20	4,636	1.39	5,016	1.52	5,548	1.76	7,410	2.10	8,360	2.34	9,310	2.52
	25	4,484	1.48	4,864	1.65	5,320	1.91	6,992	2.24	8,056	2.51	8,968	2.70

Note: CA : Capacity (W) P.C. : Total power input (kW)

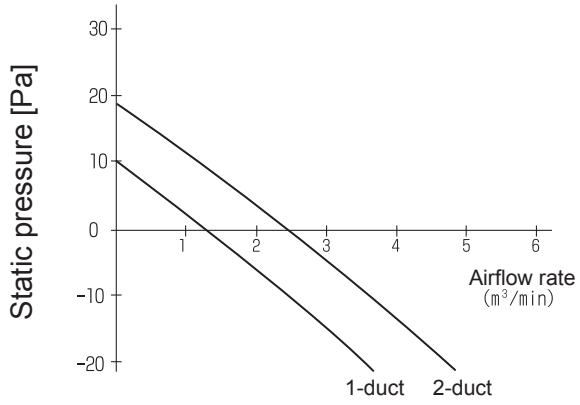
HEATING CAPACITY
PCA-M·HA / PUHZ-ZRP·VHA2

	Indoor intake air DB℃	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PCA-M71HA	15	4,826	1.39	5,244	1.53	5,852	1.76	7,676	2.12	8,664	2.35	9,652	2.54
	20	4,636	1.50	5,016	1.65	5,548	1.90	7,410	2.28	8,360	2.54	9,310	2.73
	25	4,484	1.60	4,864	1.79	5,320	2.07	6,992	2.42	8,056	2.71	8,968	2.93

Note: CA : Capacity (W) P.C. : Total power input (kW)

A.4.6 FRESH AIR INTAKE
FRESH AIR INTAKE AMOUNT & STATIC PRESSURE CHARACTERISTICS

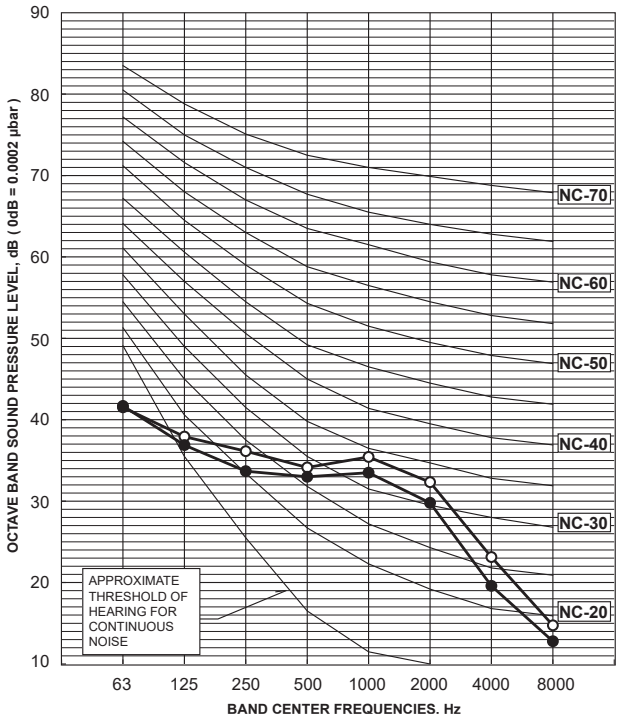
PCA-M71HA

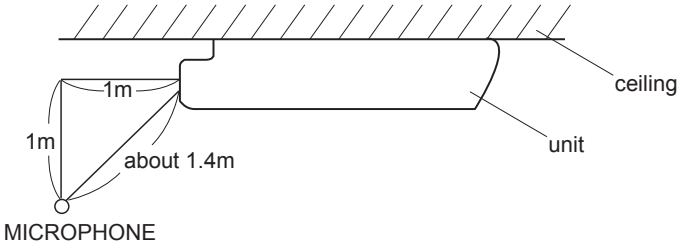


A.4.7 NOISE CRITERIA CURVES

PCA-M71HA

NOTCH	SPL(dB)	LINE
High	39	○—○
Low	37	●—●



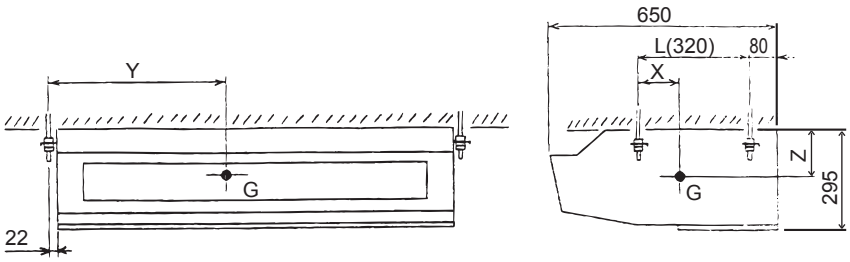


A.4.8 OUTLET AIR SPEED AND COVERAGE RANGE

	PCA-M71HA
Air flow m^3/min	18
Air speed m/sec	3.0
Coverage range m(ft)	9.9(32.5)

* The air coverage range is the distance to which the 0.25m/sec air can reach,when air is blown out horizontally from the unit at the High notch position.
The coverage range should be used only as a general guideline since it varies according to the size of the room and the furniture inside the room.

A.4.9 CENTER OF GRAVITY POSITION



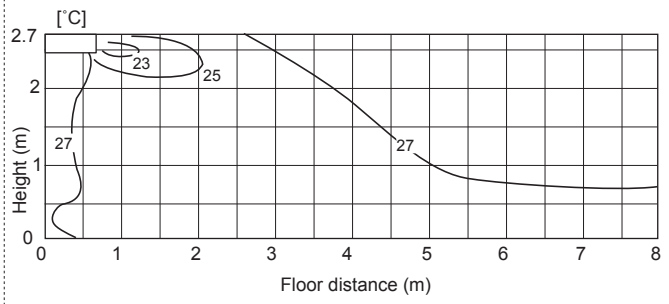
Unit: [mm]

Model	X	Y	Z
PCA-M71HA	125	575	170

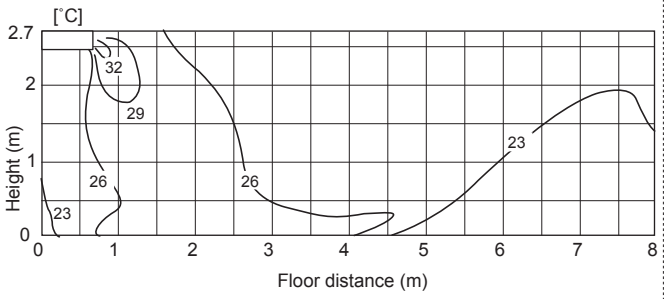
A.4.10 TEMPERATURE AND AIR FLOW DISTRIBUTIONS

Temperature distributions
PCA-M71HA

<Cooling mode>
Flow angle : 10˚
Temperature setting : 27˚C
High notch

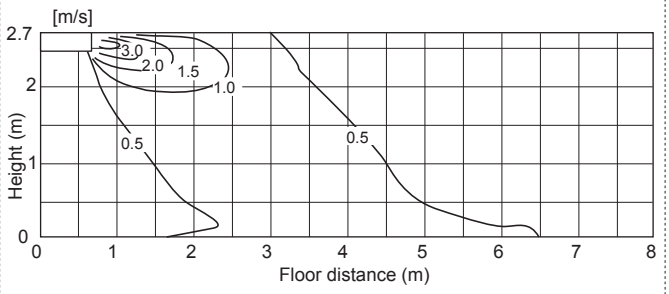


<Heating mode>
Flow angle : 60˚
Temperature setting : 20˚C
High notch

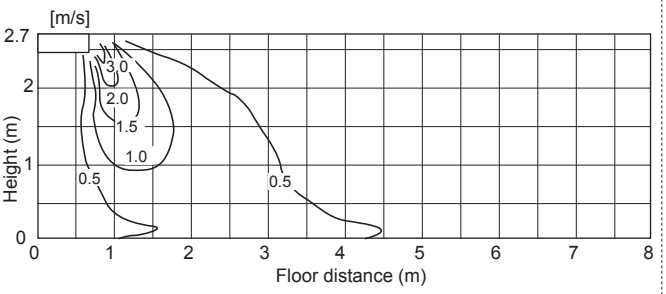


Airflow distributions
PCA-M71HA

<Cooling mode>
Flow angle : 10˚
Temperature setting : 27˚C
High notch
Ceiling height : 2.7m



<Heating mode>
Flow angle : 60˚
Temperature setting : 20˚C
High notch
Ceiling height : 2.7m



Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

A.5 FLOOR STANDING (PSA)

A.5.1 SPECIFICATIONS

A.5.1.1 INVERTER MODELS Heat pump type

1. Power Inverter SERIES

Model Name	Indoor Unit				PSA-RP71KA	PSA-RP100KA	PSA-RP100KA
	Outdoor Unit				PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3
Power Supply				Source	Outdoor power supply		
	Out			V	230	230	400
				Phase	Single	Single	3
				Hz	50	50	50
	In			V	-	-	-
				Phase	-	-	-
				Hz	-	-	-
Refrigerant					R410A	R410A	R410A
Cooling	Capacity	Rated		kW	7.1	9.5	9.5
		Max.		kW	8.1	11.4	11.4
		Min.		kW	3.3	4.9	4.9
	SHF	Rated			0.75	0.73	0.73
	Total Input	Rated		kW	1.89	2.50	2.50
	EER				3.76	3.8	3.8
	Annual Electricity Consumption			kWh/a	396	595	609
	SEER				6.3	5.6	5.5
		Energy efficiency class			A++	A+	A
Heating	Capacity	Rated		kW	7.6	11.2	11.2
		Max.		kW	10.2	14.0	14.0
		Min.		kW	3.5	4.5	4.5
	Total Input	Rated		kW	2.21	3.08	3.08
	COP				3.44	3.64	3.64
	Annual Electricity Consumption			kWh/a	1666	2761	2761
	SCOP				4.0	4.0	4.0
		Energy efficiency class			A+	A+	A+
Operating Current(max)				A	19.4	27.2	8.7
Indoor Unit	Input	Rated		kW	0.06	0.11	0.11
	Operating Current(max)			A	0.4	0.71	0.71
	Dimensions		Height	mm	1900	1900	1900
			Width	mm	600	600	600
			Depth	mm	360	360	360
	Weight			kg	46	46	46
	Air Volume		Low	m³/min.	20.0	25.0	25.0
			Mid2	m³/min.	-	-	-
			Mid	m³/min.	22.0	28.0	28.0
			Hi	m³/min.	24.0	30.0	30.0
	External Static Pressure			Pa	-	-	-
	Sound Level (SPL)		Low	dB(A)	40	45	45
			Mid2	dB(A)	-	-	-
			Mid	dB(A)	42	49	49
			Hi	dB(A)	44	51	51
	Sound Level (PWL)	Cooling			60	65	65
Outdoor Unit	Dimensions		Height	mm	943	1338	1338
			Width	mm	950	1050	1050
			Depth	mm	330 (+30)	330 (+40)	330 (+40)
	Weight			kg	70	116	123
	Air Volume	Cooling	Rated	m³/min.	55.0	110.0	110.0
		Heating	Rated	m³/min.	55.0	110.0	110.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	47	49	49
			Silent	dB(A)	44	46	46
		Heating	Rated	dB(A)	48	51	51
	Sound Level (PWL)	Cooling			67	69	69
	Operating Current(max)			A	19.0	26.5	8.0
	Breaker Size			A	25	32	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88
	Max. Length	Out-In		m	50	75	75
	Max. Height	Out-In	Below Indoor	m	30	30	30
			Above Indoor	m	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21
			Lower Limit.	°C	-20	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PSA-RP125KA	PSA-RP125KA	PSA-RP140KA	PSA-RP140KA
	Outdoor Unit				PUHZ-ZRP125VKA3	PUHZ-ZRP125YKA3	PUHZ-ZRP140VKA3	PUHZ-ZRP140YKA3
Power Supply				Source	Outdoor power supply			
	Out			V	230	400	230	400
				Phase	Single	3	Single	3
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	12.5	12.5	13.4	13.4
		Max.		kW	14.0	14.0	15.0	15.0
		Min.		kW	5.5	5.5	6.2	6.2
	SHF	Rated			0.72	0.72	0.71	0.71
	Total Input	Rated		kW	4.09	4.09	4.06	4.06
	EER				3.06	3.06	3.30	3.30
	Annual Electricity Consumption			kWh/a	-	-	-	-
	SEER				-	-	-	-
		Energy efficiency class			-	-	-	-
Heating	Capacity	Rated		kW	14.0	14.0	16.0	16.0
		Max.		kW	16.0	16.0	18.0	18.0
		Min.		kW	5.0	5.0	5.7	5.7
	Total Input	Rated		kW	4.24	4.24	4.79	4.79
	COP				3.30	3.30	3.34	3.34
	Annual Electricity Consumption			kWh/a	-	-	-	-
	SCOP				-	-	-	-
		Energy efficiency class			-	-	-	-
Operating Current(max)				A	27.2	10.2	28.7	13.7
Indoor Unit	Input	Rated		kW	0.11	0.11	0.11	0.11
	Operating Current(max)			A	0.73	0.73	0.73	0.73
	Dimensions		Height	mm	1900	1900	1900	1900
			Width	mm	600	600	600	600
			Depth	mm	360	360	360	360
	Weight			kg	46	46	48	48
	Air Volume		Low	m³/min.	25.0	25.0	25.0	25.0
			Mid2	m³/min.	-	-	-	-
			Mid	m³/min.	28.0	28.0	28.0	28.0
			Hi	m³/min.	31.0	31.0	31.0	31.0
	External Static Pressure			Pa	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	45	45	45	45
			Mid2	dB(A)	-	-	-	-
			Mid	dB(A)	49	49	49	49
			Hi	dB(A)	51	51	51	51
	Sound Level (PWL)	Cooling			66	66	66	66
Outdoor Unit	Dimensions		Height	mm	1338	1338	1338	1338
			Width	mm	1050	1050	1050	1050
			Depth	mm	330 (+40)	330 (+40)	330 (+40)	330 (+40)
	Weight			kg	116	125	118	131
	Air Volume	Cooling	Rated	m³/min.	120.0	120.0	120.0	120.0
		Heating	Rated	m³/min.	120.0	120.0	120.0	120.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	50	50	50	50
			Silent	dB(A)	47	47	47	47
		Heating	Rated	dB(A)	52	52	52	52
	Sound Level (PWL)	Cooling			70	70	70	70
	Operating Current(max)			A	26.5	9.5	28.0	13.0
	Breaker Size			A	32	16	40	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88	15.88
	Max. Length	Out-In		m	75	75	75	75
	Max. Height	Out-In	Below Indoor	m	30	30	30	30
			Above Indoor	m	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21
			Lower Limit.	°C	-20	-20	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

2. Mr.Slim+

Model Name	Indoor Unit				PSA-RP71KA
	Outdoor Unit				PUHZ-FRP71VHA2
Power Supply				Source	Outdoor power supply
	Out			V	230
				Phase	Single
				Hz	50
	In			V	-
				Phase	-
				Hz	-
Refrigerant					R410A
Cooling	Capacity	Rated		kW	7.1
		Max.		kW	8.1
		Min.		kW	3.3
	SHF	Rated			-
	Total Input	Rated		kW	2.15
	EER				3.30
	Annual Electricity Consumption			kWh/a	409
	SEER				6.0
		Energy efficiency class			A+
Heating	Capacity	Rated		kW	8.0
		Max.		kW	10.2
		Min.		kW	3.5
	Total Input	Rated		kW	2.42
	COP				3.30
	Annual Electricity Consumption			kWh/a	1699
	SCOP				3.8
		Energy efficiency class			A
Operating Current(max)				A	19.0
Indoor Unit	Input	Rated		kW	0.06
	Operating Current(max)			A	0.4
	Dimensions		Height	mm	1900
			Width	mm	600
			Depth	mm	360
	Weight			kg	46
	Air Volume		Low	m³/min.	20.0
			Mid2	m³/min.	-
			Mid	m³/min.	22.0
			Hi	m³/min.	24.0
	External Static Pressure			Pa	-
	Sound Level (SPL)		Low	dB(A)	40
			Mid2	dB(A)	-
			Mid	dB(A)	42
			Hi	dB(A)	44
	Sound Level (PWL)	Cooling			60
Outdoor Unit	Dimensions		Height	mm	943
			Width	mm	950
			Depth	mm	330 (+30)
	Weight			kg	73
	Air Volume	Cooling	Rated	m³/min.	50
		Heating	Rated	m³/min.	50
	Sound Level (SPL)	Cooling	Rated	dB(A)	47
			Silent	dB(A)	-
		Heating	Rated	dB(A)	49
	Sound Level (PWL)	Cooling			67
	Operating Current(max)			A	19.0
	Breaker Size			A	25
Ext. Piping	Diameter	Liquid		mm	9.52
		Gas		mm	15.88
	Max. Length	Out-In		m	60
	Max. Height	Out-In	Below Indoor	m	20
			Above Indoor	m	20
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46
			Lower Limit.	°C	- 15*
		Heating	Upper Limit.	°C	21
			Lower Limit.	°C	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

3. Standard Inverter SERIES

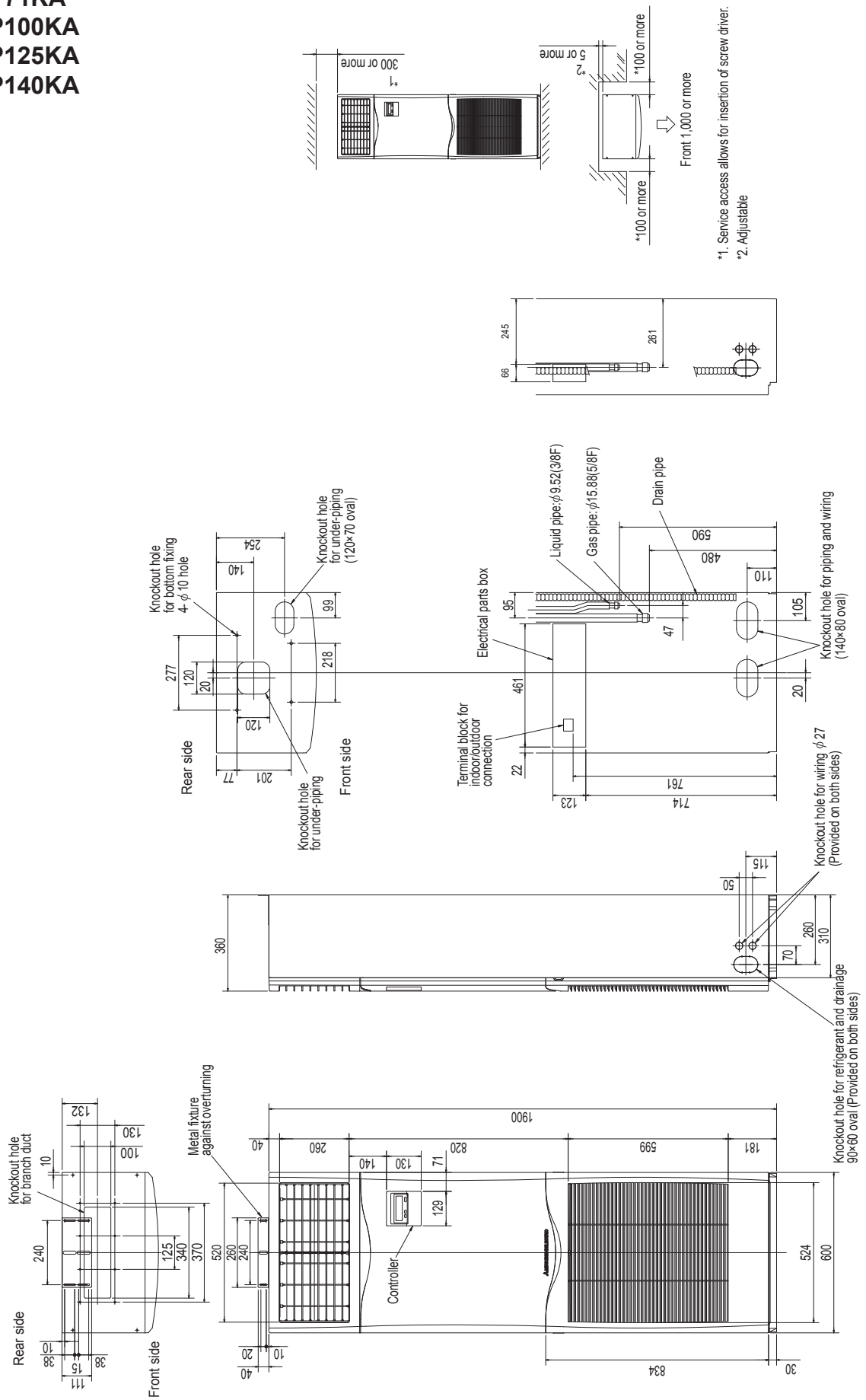
Model Name	Indoor Unit				PSA-RP100KA		PSA-RP125KA		PSA-RP140KA	
	Outdoor Unit				PUHZ-P100VKA	PUHZ-P100YKA	PUHZ-P125VKA	PUHZ-P125YKA	PUHZ-P140VKA	PUHZ-P140YKA
Power Supply				Source	Outdoor power supply					
	Out			V	230	400	230	400	230	400
				Phase	Single	3	Single	3	Single	3
				Hz	50		50		50	
	In			V	-		-		-	
				Phase	-		-		-	
				Hz	-		-		-	
Refrigerant					R410A		R410A		R410A	
Cooling	Capacity	Rated		kW	9.4		12.1		13.6	
		Max.		kW	10.6		13.0		13.7	
		Min.		kW	3.7		5.6		5.8	
	SHF	Rated			0.73		0.72		0.71	
	Total Input	Rated		kW	3.120		5.02		6.38	
	EER				3.01		2.41		2.13	
	Annual Electricity Consumption			kWh/a	644		-		-	
	SEER				5.1		-		-	
		Energy efficiency class			A		-		-	
Heating	Capacity	Rated		kW	11.2		13.5		15.0	
		Max.		kW	12.5		15.0		15.8	
		Min.		kW	2.8		4.8		4.9	
	Total Input	Rated		kW	3.280		4.80		4.82	
	COP				3.41		2.81		3.11	
	Annual Electricity Consumption			kWh/a	2794		-		-	
	SCOP				4.0		-		-	
		Energy efficiency class			A+		-		-	
Operating Current(max)				A	20.7	12.2	27.2	12.2	30.7	12.2
Indoor Unit	Input	Rated		kW	0.11		0.11		0.11	
	Operating Current(max)			A	0.71		0.73		0.73	
	Dimensions		Height	mm	1900		1900		1900	
			Width	mm	600		600		600	
			Depth	mm	360		360		360	
	Weight			kg	46		46		48	
	Air Volume		Low	m³/min.	25.0		25.0		25.0	
			Mid2	m³/min.	-		-		-	
			Mid	m³/min.	28.0		28.0		28.0	
			Hi	m³/min.	30.0		31.0		31.0	
	External Static Pressure			Pa	-		-		-	
	Sound Level (SPL)		Low	dB(A)	45		45		45	
			Mid2	dB(A)	-		-		-	
			Mid	dB(A)	49		49		49	
			Hi	dB(A)	51		51		51	
	Sound Level (PWL)	Cooling			65		66		66	
Outdoor Unit	Dimensions		Height	mm	981		981		981	
			Width	mm	1050		1050		1050	
			Depth	mm	330(+40)		330(+40)		330(+40)	
	Weight			kg	76	78	84	85	84	85
	Air Volume	Cooling	Rated	m³/min.	79		86		86	
		Heating	Rated	m³/min.	79		92		92	
	Sound Level (SPL)	Cooling	Rated	dB(A)	51		54		56	
			Silent	dB(A)	49		52		54	
		Heating	Rated	dB(A)	54		56		57	
	Sound Level (PWL)	Cooling			70		72		75	
	Operating Current(max)			A	20.0	11.5	26.5	11.5	30.0	11.5
	Breaker Size			A	32	16	32	16	40	16
Ext. Piping	Diameter	Liquid		mm	9.52		9.52		9.52	
		Gas		mm	15.88		15.88		15.88	
	Max. Length	Out-In		m	50		50		50	
	Max. Height	Out-In	Below Indoor	m	30		30		30	
			Above Indoor	m	30		30		30	
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46		46		46	
			Lower Limit.	°C	-15*		-15*		-15*	
		Heating	Upper Limit.	°C	21		21		21	
			Lower Limit.	°C	-15		-15		-15	

* Optional air protection guide is required where ambient temperature is lower than -5°C.

A.5.2 OUTLINES AND DIMENSIONS

PSA-RP71KA
PSA-RP100KA
PSA-RP125KA
PSA-RP140KA

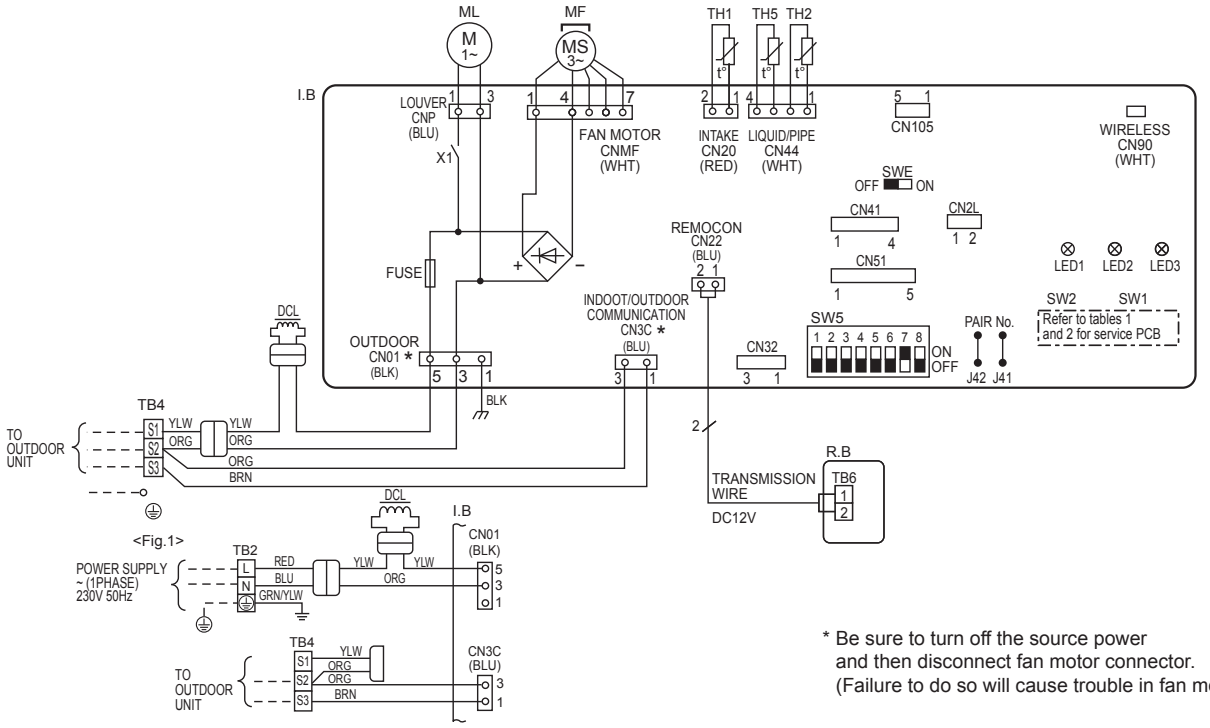
Unit : mm



A.5.3 WIRING DIAGRAM

PSA-RP71KA
PSA-RP100KA
PSA-RP125KA
PSA-RP140KA

SYMBOL	NAME	SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD	R.B	WIRED REMOTE CONTROLLER BOARD
FUSE	FUSE (6.3A)	TB6	TERMINAL BLOCK<REMOTE CONTROLLER TRANSMISSION LINE>
CN2L	CONNECTOR<LOSSNAY>	DCL	REACTOR
CN32	CONNECTOR<REMOTE SWITCH>	MF	FAN MOTOR
CN41	CONNECTOR<HA TERMINAL-A>	ML	LOUVER MOTOR
CN51	CONNECTOR<CENTRALLY CONTROL>	TB2	TERMINAL BLOCK option for PSA-RP·KA models.
CN105	CONNECTOR<IT TERMINAL>	TB4	TERMINAL BLOCK <INDOOR/OUTDOOR CONNECTING LINE>
LED1	POWER SUPPLY<I.B>	TH1	ROOM TEMPERATURE THERMISTOR <0°C/15kΩ, 25°C/5.4kΩ DETECT>
LED2	POWER SUPPLY<R.B>	TH2	PIPE TEMPERATURE THERMISTOR/LIQUID <0°C/15kΩ, 25°C/5.4kΩ DETECT>
LED3	TRANSMISSION<INDOOR-OUTDOOR>	TH5	COND./EVA. TEMPERATURE THERMISTOR <0°C/15kΩ, 25°C/5.4kΩ DETECT>
SW1	SWITCH <MODEL SELECTION> *See Table 1.		
SW2	SWITCH <CAPACITY CODE> *See Table 2.		
SWE	SWITCH<EMERGENCY OPERATION>		
X1	RELAY<LOUVER>		



* Be sure to turn off the source power and then disconnect fan motor connector. (Failure to do so will cause trouble in fan motor)

*The black square (■) indicates a switch position.

Table 1

SW1	
MODELS	Manufacture/Service
PSA-RP·KA	1 2 3 4 5 ON OFF

Table 2

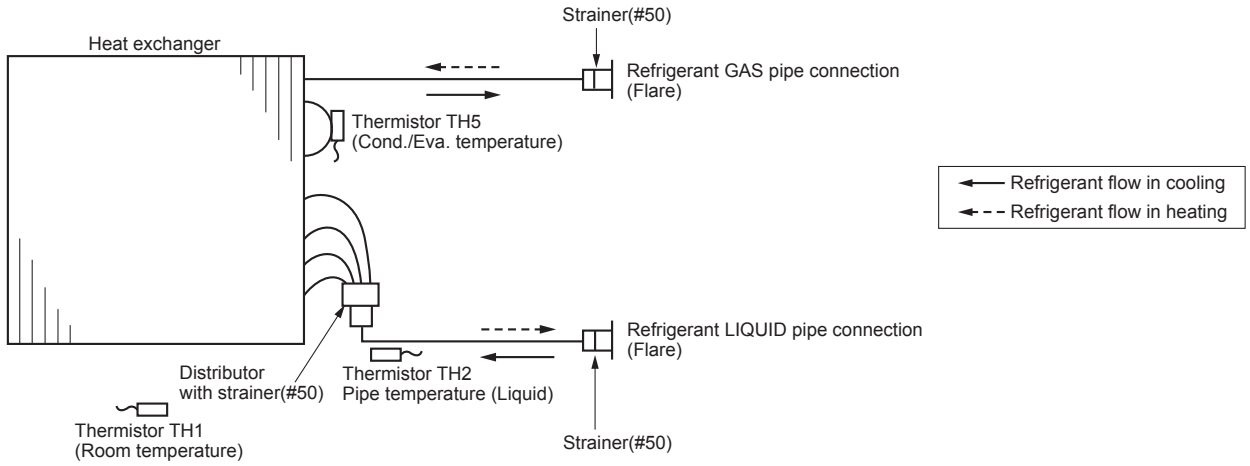
SW2	
MODELS	Manufacture/Service
PSA-RP71KA	1 2 3 4 5 ON OFF
PSA-RP100KA	1 2 3 4 5 ON OFF
PSA-RP125KA	1 2 3 4 5 ON OFF
PSA-RP140KA	1 2 3 4 5 ON OFF

* When work to supply power separately to indoor and outdoor unit was applied, refer to Fig 1.
For power supply system of this unit, refer to the caution label located near this diagram.

[NOTES]
1. Symbols used in wiring diagram above are, □□□: Connector, ◎: Terminal (block).
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1,S2,S3).
3. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
4. This diagram shows the wiring of indoor and outdoor connecting wires (specification of 230V), adopting superimposed system of power and signal.

A.5.4 REFRIGERANT SYSTEM DIAGRAM

PSA-RP71KA
PSA-RP100KA
PSA-RP125KA
PSA-RP140KA



A.5.5 PERFORMANCE DATA

A.5.5.1 INVERTER MODELS Heat pump type

COOLING CAPACITY

PSA-RP71KA / PUHZ-ZRP71VHA2

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		20				25				30			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	7,029	4,569	0.65	1.51	6,816	4,430	0.65	1.60	6,603	4,292	0.65	1.69
20	18	7,526	3,989	0.53	1.54	7,313	3,876	0.53	1.63	7,065	3,744	0.53	1.74
20	20	8,094	3,319	0.41	1.59	7,917	3,246	0.41	1.66	7,704	3,158	0.41	1.78
22	16	7,029	5,131	0.73	1.51	6,816	4,976	0.73	1.60	6,603	4,820	0.73	1.69
22	18	7,526	4,591	0.61	1.54	7,313	4,461	0.61	1.63	7,065	4,309	0.61	1.74
22	20	8,094	3,966	0.49	1.59	7,917	3,879	0.49	1.66	7,704	3,775	0.49	1.78
24	16	7,029	5,693	0.81	1.51	6,816	5,521	0.81	1.60	6,603	5,348	0.81	1.69
24	18	7,526	5,193	0.69	1.54	7,313	5,046	0.69	1.63	7,065	4,875	0.69	1.74
24	20	8,094	4,614	0.57	1.59	7,917	4,512	0.57	1.66	7,704	4,391	0.57	1.78
24	22	8,627	3,882	0.45	1.63	8,449	3,802	0.45	1.72	8,236	3,706	0.45	1.83
26	16	7,029	6,256	0.89	1.51	6,816	6,066	0.89	1.60	6,603	5,877	0.89	1.69
26	18	7,526	5,795	0.77	1.54	7,313	5,631	0.77	1.63	7,065	5,440	0.77	1.74
26	20	8,094	5,261	0.65	1.59	7,917	5,146	0.65	1.66	7,704	5,007	0.65	1.78
26	22	8,627	4,572	0.53	1.63	8,449	4,478	0.53	1.72	8,236	4,365	0.53	1.83
27	16	7,029	6,537	0.93	1.51	6,816	6,339	0.93	1.60	6,603	6,141	0.93	1.69
27	18	7,526	6,096	0.81	1.54	7,313	5,924	0.81	1.63	7,065	5,722	0.81	1.74
27	20	8,094	5,585	0.69	1.59	7,917	5,462	0.69	1.66	7,704	5,315	0.69	1.78
27	22	8,627	4,917	0.57	1.63	8,449	4,816	0.57	1.72	8,236	4,695	0.57	1.83
28	16	7,029	6,818	0.97	1.51	6,816	6,612	0.97	1.60	6,603	6,405	0.97	1.69
28	18	7,526	6,397	0.85	1.54	7,313	6,216	0.85	1.63	7,065	6,005	0.85	1.74
28	20	8,094	5,909	0.73	1.59	7,917	5,779	0.73	1.66	7,704	5,624	0.73	1.78
28	22	8,627	5,262	0.61	1.63	8,449	5,154	0.61	1.72	8,236	5,024	0.61	1.83
30	16	7,029	7,029	1.00	1.51	6,816	6,816	1.00	1.60	6,603	6,603	1.00	1.69
30	18	7,526	6,999	0.93	1.54	7,313	6,801	0.93	1.63	7,065	6,570	0.93	1.74
30	20	8,094	6,556	0.81	1.59	7,917	6,412	0.81	1.66	7,704	6,240	0.81	1.78
30	22	8,627	5,952	0.69	1.63	8,449	5,830	0.69	1.72	8,236	5,683	0.69	1.83
32	16	7,029	7,029	1.00	1.51	6,816	6,816	1.00	1.60	6,603	6,603	1.00	1.69
32	18	7,526	7,526	1.00	1.54	7,313	7,313	1.00	1.63	7,065	7,065	1.00	1.74
32	20	8,094	7,204	0.89	1.59	7,917	7,046	0.89	1.66	7,704	6,856	0.89	1.78
32	22	8,627	6,642	0.77	1.63	8,449	6,506	0.77	1.72	8,236	6,342	0.77	1.83
34	16	7,029	7,029	1.00	1.51	6,816	6,816	1.00	1.60	6,603	6,603	1.00	1.69
34	18	7,526	7,526	1.00	1.54	7,313	7,313	1.00	1.63	7,065	7,065	1.00	1.74
34	20	8,094	7,851	0.97	1.59	7,917	7,679	0.97	1.66	7,704	7,472	0.97	1.78
34	22	8,627	7,333	0.85	1.63	8,449	7,182	0.85	1.72	8,236	7,001	0.85	1.83

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		35				40				45			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	6,319	4,107	0.65	1.81	6,035	3,923	0.65	1.95	5,751	3,738	0.65	2.11
20	18	6,816	3,612	0.53	1.86	6,603	3,500	0.53	2.00	6,177	3,274	0.53	2.15
20	20	7,384	3,027	0.41	1.91	7,100	2,911	0.41	2.04	6,674	2,736	0.41	2.19
22	16	6,319	4,613	0.73	1.81	6,035	4,406	0.73	1.95	5,751	4,198	0.73	2.11
22	18	6,816	4,158	0.61	1.86	6,603	4,028	0.61	2.00	6,177	3,768	0.61	2.15
22	20	7,384	3,618	0.49	1.91	7,100	3,479	0.49	2.04	6,674	3,270	0.49	2.19
24	16	6,319	5,118	0.81	1.81	6,035	4,888	0.81	1.95	5,751	4,658	0.81	2.11
24	18	6,816	4,703	0.69	1.86	6,603	4,556	0.69	2.00	6,177	4,262	0.69	2.15
24	20	7,384	4,209	0.57	1.91	7,100	4,047	0.57	2.04	6,674	3,804	0.57	2.19
24	22	7,952	3,578	0.45	1.95	7,668	3,451	0.45	2.10	7,242	3,259	0.45	2.23
26	16	6,319	5,624	0.89	1.81	6,035	5,371	0.89	1.95	5,751	5,118	0.89	2.11
26	18	6,816	5,248	0.77	1.86	6,603	5,084	0.77	2.00	6,177	4,756	0.77	2.15
26	20	7,384	4,800	0.65	1.91	7,100	4,615	0.65	2.04	6,674	4,338	0.65	2.19
26	22	7,952	4,215	0.53	1.95	7,668	4,064	0.53	2.10	7,242	3,838	0.53	2.23
27	16	6,319	5,877	0.93	1.81	6,035	5,613	0.93	1.95	5,751	5,348	0.93	2.11
27	18	6,816	5,521	0.81	1.86	6,603	5,348	0.81	2.00	6,177	5,003	0.81	2.15
27	20	7,384	5,095	0.69	1.91	7,100	4,899	0.69	2.04	6,674	4,605	0.69	2.19
27	22	7,952	4,533	0.57	1.95	7,668	4,371	0.57	2.10	7,242	4,128	0.57	2.23
28	16	6,319	6,129	0.97	1.81	6,035	5,854	0.97	1.95	5,751	5,578	0.97	2.11
28	18	6,816	5,794	0.85	1.86	6,603	5,613	0.85	2.00	6,177	5,250	0.85	2.15
28	20	7,384	5,390	0.73	1.91	7,100	5,183	0.73	2.04	6,674	4,872	0.73	2.19
28	22	7,952	4,851	0.61	1.95	7,668	4,677	0.61	2.10	7,242	4,418	0.61	2.23
30	16	6,319	6,319	1.00	1.81	6,035	6,035	1.00	1.95	5,751	5,751	1.00	2.11
30	18	6,816	6,339	0.93	1.86	6,603	6,141	0.93	2.00	6,177	5,745	0.93	2.15
30	20	7,384	5,981	0.81	1.91	7,100	5,751	0.81	2.04	6,674	5,406	0.81	2.19
30	22	7,952	5,487	0.69	1.95	7,668	5,291	0.69	2.10	7,242	4,997	0.69	2.23
32	16	6,319	6,319	1.00	1.81	6,035	6,035	1.00	1.95	5,751	5,751	1.00	2.11
32	18	6,816	6,816	1.00	1.86	6,603	6,603	1.00	2.00	6,177	6,177	1.00	2.15
32	20	7,384	6,572	0.89	1.91	7,100	6,319	0.89	2.04	6,674	5,940	0.89	2.19
32	22	7,952	6,123	0.77	1.95	7,668	5,904	0.77	2.10	7,242	5,576	0.77	2.23
34	16	6,319	6,319	1.00	1.81	6,035	6,035	1.00	1.95	5,751	5,751	1.00	2.11
34	18	6,816	6,816	1.00	1.86	6,603	6,603	1.00	2.00	6,177	6,177	1.00	2.15
34	20	7,384	7,162	0.97	1.91	7,100	6,887	0.97	2.04	6,674	6,474	0.97	2.19
34	22	7,952	6,759	0.85	1.95	7,668	6,518	0.85	2.10	7,242	6,156	0.85	2.23

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PSA-RP100KA / PUHZ-ZRP100VKA3 PUHZ-ZRP100YKA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	5,925	0.63	2.00	9,120	5,746	0.63	2.11	8,835	5,566	0.63	2.24
20	18	10,070	5,136	0.51	2.04	9,785	4,990	0.51	2.15	9,453	4,821	0.51	2.30
20	20	10,830	4,224	0.39	2.10	10,593	4,131	0.39	2.20	10,308	4,020	0.39	2.35
22	16	9,405	6,678	0.71	2.00	9,120	6,475	0.71	2.11	8,835	6,273	0.71	2.24
22	18	10,070	5,941	0.59	2.04	9,785	5,773	0.59	2.15	9,453	5,577	0.59	2.30
22	20	10,830	5,090	0.47	2.10	10,593	4,978	0.47	2.20	10,308	4,845	0.47	2.35
24	16	9,405	7,430	0.79	2.00	9,120	7,205	0.79	2.11	8,835	6,980	0.79	2.24
24	18	10,070	6,747	0.67	2.04	9,785	6,556	0.67	2.15	9,453	6,333	0.67	2.30
24	20	10,830	5,957	0.55	2.10	10,593	5,826	0.55	2.20	10,308	5,669	0.55	2.35
24	22	11,543	4,963	0.43	2.15	11,305	4,861	0.43	2.28	11,020	4,739	0.43	2.43
26	16	9,405	8,182	0.87	2.00	9,120	7,934	0.87	2.11	8,835	7,686	0.87	2.24
26	18	10,070	7,553	0.75	2.04	9,785	7,339	0.75	2.15	9,453	7,089	0.75	2.30
26	20	10,830	6,823	0.63	2.10	10,593	6,673	0.63	2.20	10,308	6,494	0.63	2.35
26	22	11,543	5,887	0.51	2.15	11,305	5,766	0.51	2.28	11,020	5,620	0.51	2.43
27	16	9,405	8,559	0.91	2.00	9,120	8,299	0.91	2.11	8,835	8,040	0.91	2.24
27	18	10,070	7,955	0.79	2.04	9,785	7,730	0.79	2.15	9,453	7,467	0.79	2.30
27	20	10,830	7,256	0.67	2.10	10,593	7,097	0.67	2.20	10,308	6,906	0.67	2.35
27	22	11,543	6,348	0.55	2.15	11,305	6,218	0.55	2.28	11,020	6,061	0.55	2.43
28	16	9,405	8,935	0.95	2.00	9,120	8,664	0.95	2.11	8,835	8,393	0.95	2.24
28	18	10,070	8,358	0.83	2.04	9,785	8,122	0.83	2.15	9,453	7,846	0.83	2.30
28	20	10,830	7,689	0.71	2.10	10,593	7,521	0.71	2.20	10,308	7,318	0.71	2.35
28	22	11,543	6,810	0.59	2.15	11,305	6,670	0.59	2.28	11,020	6,502	0.59	2.43
30	16	9,405	9,405	1.00	2.00	9,120	9,120	1.00	2.11	8,835	8,835	1.00	2.24
30	18	10,070	9,164	0.91	2.04	9,785	8,904	0.91	2.15	9,453	8,602	0.91	2.30
30	20	10,830	8,556	0.79	2.10	10,593	8,368	0.79	2.20	10,308	8,143	0.79	2.35
30	22	11,543	7,733	0.67	2.15	11,305	7,574	0.67	2.28	11,020	7,383	0.67	2.43
32	16	9,405	9,405	1.00	2.00	9,120	9,120	1.00	2.11	8,835	8,835	1.00	2.24
32	18	10,070	9,969	0.99	2.04	9,785	9,687	0.99	2.15	9,453	9,358	0.99	2.30
32	20	10,830	9,422	0.87	2.10	10,593	9,215	0.87	2.20	10,308	8,968	0.87	2.35
32	22	11,543	8,657	0.75	2.15	11,305	8,479	0.75	2.28	11,020	8,265	0.75	2.43
34	16	9,405	9,405	1.00	2.00	9,120	9,120	1.00	2.11	8,835	8,835	1.00	2.24
34	18	10,070	10,070	1.00	2.04	9,785	9,785	1.00	2.15	9,453	9,453	1.00	2.30
34	20	10,830	10,289	0.95	2.10	10,593	10,063	0.95	2.20	10,308	9,792	0.95	2.35
34	22	11,543	9,580	0.83	2.15	11,305	9,383	0.83	2.28	11,020	9,147	0.83	2.43

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	5,327	0.63	2.40	8,075	5,087	0.63	2.58	7,695	4,848	0.63	2.79
20	18	9,120	4,651	0.51	2.46	8,835	4,506	0.51	2.65	8,265	4,215	0.51	2.85
20	20	9,880	3,853	0.39	2.53	9,500	3,705	0.39	2.70	8,930	3,483	0.39	2.90
22	16	8,455	6,003	0.71	2.40	8,075	5,733	0.71	2.58	7,695	5,463	0.71	2.79
22	18	9,120	5,381	0.59	2.46	8,835	5,213	0.59	2.65	8,265	4,876	0.59	2.85
22	20	9,880	4,644	0.47	2.53	9,500	4,465	0.47	2.70	8,930	4,197	0.47	2.90
24	16	8,455	6,679	0.79	2.40	8,075	6,379	0.79	2.58	7,695	6,079	0.79	2.79
24	18	9,120	6,110	0.67	2.46	8,835	5,919	0.67	2.65	8,265	5,538	0.67	2.85
24	20	9,880	5,434	0.55	2.53	9,500	5,225	0.55	2.70	8,930	4,912	0.55	2.90
24	22	10,640	4,575	0.43	2.58	10,260	4,412	0.43	2.78	9,690	4,167	0.43	2.95
26	16	8,455	7,356	0.87	2.40	8,075	7,025	0.87	2.58	7,695	6,695	0.87	2.79
26	18	9,120	6,840	0.75	2.46	8,835	6,626	0.75	2.65	8,265	6,199	0.75	2.85
26	20	9,880	6,224	0.63	2.53	9,500	5,985	0.63	2.70	8,930	5,626	0.63	2.90
26	22	10,640	5,426	0.51	2.58	10,260	5,233	0.51	2.78	9,690	4,942	0.51	2.95
27	16	8,455	7,694	0.91	2.40	8,075	7,348	0.91	2.58	7,695	7,002	0.91	2.79
27	18	9,120	7,205	0.79	2.46	8,835	6,980	0.79	2.65	8,265	6,529	0.79	2.85
27	20	9,880	6,620	0.67	2.53	9,500	6,365	0.67	2.70	8,930	5,983	0.67	2.90
27	22	10,640	5,852	0.55	2.58	10,260	5,643	0.55	2.78	9,690	5,330	0.55	2.95
28	16	8,455	8,032	0.95	2.40	8,075	7,671	0.95	2.58	7,695	7,310	0.95	2.79
28	18	9,120	7,570	0.83	2.46	8,835	7,333	0.83	2.65	8,265	6,860	0.83	2.85
28	20	9,880	7,015	0.71	2.53	9,500	6,745	0.71	2.70	8,930	6,340	0.71	2.90
28	22	10,640	6,278	0.59	2.58	10,260	6,053	0.59	2.78	9,690	5,717	0.59	2.95
30	16	8,455	8,455	1.00	2.40	8,075	8,075	1.00	2.58	7,695	7,695	1.00	2.79
30	18	9,120	8,299	0.91	2.46	8,835	8,040	0.91	2.65	8,265	7,521	0.91	2.85
30	20	9,880	7,805	0.79	2.53	9,500	7,505	0.79	2.70	8,930	7,055	0.79	2.90
30	22	10,640	7,129	0.67	2.58	10,260	6,874	0.67	2.78	9,690	6,492	0.67	2.95
32	16	8,455	8,455	1.00	2.40	8,075	8,075	1.00	2.58	7,695	7,695	1.00	2.79
32	18	9,120	9,029	0.99	2.46	8,835	8,747	0.99	2.65	8,265	8,182	0.99	2.85
32	20	9,880	8,596	0.87	2.53	9,500	8,265	0.87	2.70	8,930	7,769	0.87	2.90
32	22	10,640	7,980	0.75	2.58	10,260	7,695	0.75	2.78	9,690	7,268	0.75	2.95
34	16	8,455	8,455	1.00	2.40	8,075	8,075	1.00	2.58	7,695	7,695	1.00	2.79
34	18	9,120	9,120	1.00	2.46	8,835	8,835	1.00	2.65	8,265	8,265	1.00	2.85
34	20	9,880	9,386	0.95	2.53	9,500	9,025	0.95	2.70	8,930	8,484	0.95	2.90
34	22	10,640	8,831	0.83	2.58	10,260	8,516	0.83	2.78	9,690	8,043	0.83	2.95

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PSA-RP125KA / PUHZ-ZRP125VKA3 PUHZ-ZRP125YKA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	12,375	7,673	0.62	3.27	12,000	7,440	0.62	3.46	11,625	7,208	0.62	3.66
20	18	13,250	6,625	0.50	3.33	12,875	6,438	0.50	3.52	12,438	6,219	0.50	3.76
20	20	14,250	5,415	0.38	3.44	13,938	5,296	0.38	3.60	13,563	5,154	0.38	3.84
22	16	12,375	8,663	0.70	3.27	12,000	8,400	0.70	3.46	11,625	8,138	0.70	3.66
22	18	13,250	7,685	0.58	3.33	12,875	7,468	0.58	3.52	12,438	7,214	0.58	3.76
22	20	14,250	6,555	0.46	3.44	13,938	6,411	0.46	3.60	13,563	6,239	0.46	3.84
24	16	12,375	9,653	0.78	3.27	12,000	9,360	0.78	3.46	11,625	9,068	0.78	3.66
24	18	13,250	8,745	0.66	3.33	12,875	8,498	0.66	3.52	12,438	8,209	0.66	3.76
24	20	14,250	7,695	0.54	3.44	13,938	7,526	0.54	3.60	13,563	7,324	0.54	3.84
24	22	15,188	6,379	0.42	3.52	14,875	6,248	0.42	3.72	14,500	6,090	0.42	3.97
26	16	12,375	10,643	0.86	3.27	12,000	10,320	0.86	3.46	11,625	9,998	0.86	3.66
26	18	13,250	9,805	0.74	3.33	12,875	9,528	0.74	3.52	12,438	9,204	0.74	3.76
26	20	14,250	8,835	0.62	3.44	13,938	8,641	0.62	3.60	13,563	8,409	0.62	3.84
26	22	15,188	7,594	0.50	3.52	14,875	7,438	0.50	3.72	14,500	7,250	0.50	3.97
27	16	12,375	11,138	0.90	3.27	12,000	10,800	0.90	3.46	11,625	10,463	0.90	3.66
27	18	13,250	10,335	0.78	3.33	12,875	10,043	0.78	3.52	12,438	9,701	0.78	3.76
27	20	14,250	9,405	0.66	3.44	13,938	9,199	0.66	3.60	13,563	8,951	0.66	3.84
27	22	15,188	8,201	0.54	3.52	14,875	8,033	0.54	3.72	14,500	7,830	0.54	3.97
28	16	12,375	11,633	0.94	3.27	12,000	11,280	0.94	3.46	11,625	10,928	0.94	3.66
28	18	13,250	10,865	0.82	3.33	12,875	10,558	0.82	3.52	12,438	10,199	0.82	3.76
28	20	14,250	9,975	0.70	3.44	13,938	9,756	0.70	3.60	13,563	9,494	0.70	3.84
28	22	15,188	8,809	0.58	3.52	14,875	8,628	0.58	3.72	14,500	8,410	0.58	3.97
30	16	12,375	12,375	1.00	3.27	12,000	12,000	1.00	3.46	11,625	11,625	1.00	3.66
30	18	13,250	11,925	0.90	3.33	12,875	11,588	0.90	3.52	12,438	11,194	0.90	3.76
30	20	14,250	11,115	0.78	3.44	13,938	10,871	0.78	3.60	13,563	10,579	0.78	3.84
30	22	15,188	10,024	0.66	3.52	14,875	9,818	0.66	3.72	14,500	9,570	0.66	3.97
32	16	12,375	12,375	1.00	3.27	12,000	12,000	1.00	3.46	11,625	11,625	1.00	3.66
32	18	13,250	12,985	0.98	3.33	12,875	12,618	0.98	3.52	12,438	12,189	0.98	3.76
32	20	14,250	12,255	0.86	3.44	13,938	11,986	0.86	3.60	13,563	11,664	0.86	3.84
32	22	15,188	11,239	0.74	3.52	14,875	11,008	0.74	3.72	14,500	10,730	0.74	3.97
34	16	12,375	12,375	1.00	3.27	12,000	12,000	1.00	3.46	11,625	11,625	1.00	3.66
34	18	13,250	13,250	1.00	3.33	12,875	12,875	1.00	3.52	12,438	12,438	1.00	3.76
34	20	14,250	13,395	0.94	3.44	13,938	13,101	0.94	3.60	13,563	12,749	0.94	3.84
34	22	15,188	12,454	0.82	3.52	14,875	12,198	0.82	3.72	14,500	11,890	0.82	3.97

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,125	6,898	0.62	3.93	10,625	6,588	0.62	4.21	10,125	6,278	0.62	4.56
20	18	12,000	6,000	0.50	4.03	11,625	5,813	0.50	4.34	10,875	5,438	0.50	4.66
20	20	13,000	4,940	0.38	4.13	12,500	4,750	0.38	4.42	11,750	4,465	0.38	4.74
22	16	11,125	7,788	0.70	3.93	10,625	7,438	0.70	4.21	10,125	7,088	0.70	4.56
22	18	12,000	6,960	0.58	4.03	11,625	6,743	0.58	4.34	10,875	6,308	0.58	4.66
22	20	13,000	5,980	0.46	4.13	12,500	5,750	0.46	4.42	11,750	5,405	0.46	4.74
24	16	11,125	8,678	0.78	3.93	10,625	8,288	0.78	4.21	10,125	7,898	0.78	4.56
24	18	12,000	7,920	0.66	4.03	11,625	7,673	0.66	4.34	10,875	7,178	0.66	4.66
24	20	13,000	7,020	0.54	4.13	12,500	6,750	0.54	4.42	11,750	6,345	0.54	4.74
24	22	14,000	5,880	0.42	4.21	13,500	5,670	0.42	4.54	12,750	5,355	0.42	4.83
26	16	11,125	9,568	0.86	3.93	10,625	9,138	0.86	4.21	10,125	8,708	0.86	4.56
26	18	12,000	8,880	0.74	4.03	11,625	8,603	0.74	4.34	10,875	8,048	0.74	4.66
26	20	13,000	8,060	0.62	4.13	12,500	7,750	0.62	4.42	11,750	7,285	0.62	4.74
26	22	14,000	7,000	0.50	4.21	13,500	6,750	0.50	4.54	12,750	6,375	0.50	4.83
27	16	11,125	10,013	0.90	3.93	10,625	9,563	0.90	4.21	10,125	9,113	0.90	4.56
27	18	12,000	9,360	0.78	4.03	11,625	9,068	0.78	4.34	10,875	8,483	0.78	4.66
27	20	13,000	8,580	0.66	4.13	12,500	8,250	0.66	4.42	11,750	7,755	0.66	4.74
27	22	14,000	7,560	0.54	4.21	13,500	7,290	0.54	4.54	12,750	6,885	0.54	4.83
28	16	11,125	10,458	0.94	3.93	10,625	9,988	0.94	4.21	10,125	9,518	0.94	4.56
28	18	12,000	9,840	0.82	4.03	11,625	9,533	0.82	4.34	10,875	8,918	0.82	4.66
28	20	13,000	9,100	0.70	4.13	12,500	8,750	0.70	4.42	11,750	8,225	0.70	4.74
28	22	14,000	8,120	0.58	4.21	13,500	7,830	0.58	4.54	12,750	7,395	0.58	4.83
30	16	11,125	11,125	1.00	3.93	10,625	10,625	1.00	4.21	10,125	10,125	1.00	4.56
30	18	12,000	10,800	0.90	4.03	11,625	10,463	0.90	4.34	10,875	9,788	0.90	4.66
30	20	13,000	10,140	0.78	4.13	12,500	9,750	0.78	4.42	11,750	9,165	0.78	4.74
30	22	14,000	9,240	0.66	4.21	13,500	8,910	0.66	4.54	12,750	8,415	0.66	4.83
32	16	11,125	11,125	1.00	3.93	10,625	10,625	1.00	4.21	10,125	10,125	1.00	4.56
32	18	12,000	11,760	0.98	4.03	11,625	11,393	0.98	4.34	10,875	10,658	0.98	4.66
32	20	13,000	11,180	0.86	4.13	12,500	10,750	0.86	4.42	11,750	10,105	0.86	4.74
32	22	14,000	10,360	0.74	4.21	13,500	9,990	0.74	4.54	12,750	9,435	0.74	4.83
34	16	11,125	11,125	1.00	3.93	10,625	10,625	1.00	4.21	10,125	10,125	1.00	4.56
34	18	12,000	12,000	1.00	4.03	11,625	11,625	1.00	4.34	10,875	10,875	1.00	4.66
34	20	13,000	12,220	0.94	4.13	12,500	11,750	0.94	4.42	11,750	11,045	0.94	4.74
34	22	14,000	11,480	0.82	4.21	13,500	11,070	0.82	4.54	12,750	10,455	0.82	4.83

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PSA-RP140KA / PUHZ-ZRP140VKA3 PUHZ-ZRP140YKA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	SHC (W)	SHF	P.C.	25 CA	SHC (W)	SHF	P.C.	30 CA	SHC (W)	SHF	P.C.
20	16	13,266	8,092	0.61	3.25	12,864	7,847	0.61	3.43	12,462	7,602	0.61	3.63
20	18	14,204	6,960	0.49	3.31	13,802	6,763	0.49	3.49	13,333	6,533	0.49	3.74
20	20	15,276	5,652	0.37	3.41	14,941	5,528	0.37	3.57	14,539	5,379	0.37	3.82
22	16	13,266	9,154	0.69	3.25	12,864	8,876	0.69	3.43	12,462	8,599	0.69	3.63
22	18	14,204	8,096	0.57	3.31	13,802	7,867	0.57	3.49	13,333	7,600	0.57	3.74
22	20	15,276	6,874	0.45	3.41	14,941	6,723	0.45	3.57	14,539	6,543	0.45	3.82
24	16	13,266	10,215	0.77	3.25	12,864	9,905	0.77	3.43	12,462	9,596	0.77	3.63
24	18	14,204	9,233	0.65	3.31	13,802	8,971	0.65	3.49	13,333	8,666	0.65	3.74
24	20	15,276	8,096	0.53	3.41	14,941	7,919	0.53	3.57	14,539	7,706	0.53	3.82
24	22	16,281	6,675	0.41	3.49	15,946	6,538	0.41	3.69	15,544	6,373	0.41	3.94
26	16	13,266	11,276	0.85	3.25	12,864	10,934	0.85	3.43	12,462	10,593	0.85	3.63
26	18	14,204	10,369	0.73	3.31	13,802	10,075	0.73	3.49	13,333	9,733	0.73	3.74
26	20	15,276	9,318	0.61	3.41	14,941	9,114	0.61	3.57	14,539	8,869	0.61	3.82
26	22	16,281	7,978	0.49	3.49	15,946	7,814	0.49	3.69	15,544	7,617	0.49	3.94
27	16	13,266	11,807	0.89	3.25	12,864	11,449	0.89	3.43	12,462	11,091	0.89	3.63
27	18	14,204	10,937	0.77	3.31	13,802	10,628	0.77	3.49	13,333	10,266	0.77	3.74
27	20	15,276	9,929	0.65	3.41	14,941	9,712	0.65	3.57	14,539	9,450	0.65	3.82
27	22	16,281	8,629	0.53	3.49	15,946	8,451	0.53	3.69	15,544	8,238	0.53	3.94
28	16	13,266	12,337	0.93	3.25	12,864	11,964	0.93	3.43	12,462	11,590	0.93	3.63
28	18	14,204	11,505	0.81	3.31	13,802	11,180	0.81	3.49	13,333	10,800	0.81	3.74
28	20	15,276	10,540	0.69	3.41	14,941	10,309	0.69	3.57	14,539	10,032	0.69	3.82
28	22	16,281	9,280	0.57	3.49	15,946	9,089	0.57	3.69	15,544	8,860	0.57	3.94
30	16	13,266	13,266	1.00	3.25	12,864	12,864	1.00	3.43	12,462	12,462	1.00	3.63
30	18	14,204	12,642	0.89	3.31	13,802	12,284	0.89	3.49	13,333	11,866	0.89	3.74
30	20	15,276	11,763	0.77	3.41	14,941	11,505	0.77	3.57	14,539	11,195	0.77	3.82
30	22	16,281	10,583	0.65	3.49	15,946	10,365	0.65	3.69	15,544	10,104	0.65	3.94
32	16	13,266	13,266	1.00	3.25	12,864	12,864	1.00	3.43	12,462	12,462	1.00	3.63
32	18	14,204	13,778	0.97	3.31	13,802	13,388	0.97	3.49	13,333	12,933	0.97	3.74
32	20	15,276	12,985	0.85	3.41	14,941	12,700	0.85	3.57	14,539	12,358	0.85	3.82
32	22	16,281	11,885	0.73	3.49	15,946	11,641	0.73	3.69	15,544	11,347	0.73	3.94
34	16	13,266	13,266	1.00	3.25	12,864	12,864	1.00	3.43	12,462	12,462	1.00	3.63
34	18	14,204	14,204	1.00	3.31	13,802	13,802	1.00	3.49	13,333	13,333	1.00	3.74
34	20	15,276	14,207	0.93	3.41	14,941	13,895	0.93	3.57	14,539	13,521	0.93	3.82
34	22	16,281	13,188	0.81	3.49	15,946	12,916	0.81	3.69	15,544	12,591	0.81	3.94

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	SHC (W)	SHF	P.C.	40 CA	SHC (W)	SHF	P.C.	45 CA	SHC (W)	SHF	P.C.
20	16	11,926	7,275	0.61	3.90	11,390	6,948	0.61	4.18	10,854	6,621	0.61	4.53
20	18	12,864	6,303	0.49	4.00	12,462	6,106	0.49	4.30	11,658	5,712	0.49	4.63
20	20	13,936	5,156	0.37	4.10	13,400	4,958	0.37	4.38	12,596	4,661	0.37	4.71
22	16	11,926	8,229	0.69	3.90	11,390	7,859	0.69	4.18	10,854	7,489	0.69	4.53
22	18	12,864	7,332	0.57	4.00	12,462	7,103	0.57	4.30	11,658	6,645	0.57	4.63
22	20	13,936	6,271	0.45	4.10	13,400	6,030	0.45	4.38	12,596	5,668	0.45	4.71
24	16	11,926	9,183	0.77	3.90	11,390	8,770	0.77	4.18	10,854	8,358	0.77	4.53
24	18	12,864	8,362	0.65	4.00	12,462	8,100	0.65	4.30	11,658	7,578	0.65	4.63
24	20	13,936	7,386	0.53	4.10	13,400	7,102	0.53	4.38	12,596	6,676	0.53	4.71
24	22	15,008	6,153	0.41	4.18	14,472	5,934	0.41	4.51	13,668	5,604	0.41	4.79
26	16	11,926	10,137	0.85	3.90	11,390	9,682	0.85	4.18	10,854	9,226	0.85	4.53
26	18	12,864	9,391	0.73	4.00	12,462	9,097	0.73	4.30	11,658	8,510	0.73	4.63
26	20	13,936	8,501	0.61	4.10	13,400	8,174	0.61	4.38	12,596	7,684	0.61	4.71
26	22	15,008	7,354	0.49	4.18	14,472	7,091	0.49	4.51	13,668	6,697	0.49	4.79
27	16	11,926	10,614	0.89	3.90	11,390	10,137	0.89	4.18	10,854	9,660	0.89	4.53
27	18	12,864	9,905	0.77	4.00	12,462	9,596	0.77	4.30	11,658	8,977	0.77	4.63
27	20	13,936	9,058	0.65	4.10	13,400	8,710	0.65	4.38	12,596	8,187	0.65	4.71
27	22	15,008	7,954	0.53	4.18	14,472	7,670	0.53	4.51	13,668	7,244	0.53	4.79
28	16	11,926	11,091	0.93	3.90	11,390	10,593	0.93	4.18	10,854	10,094	0.93	4.53
28	18	12,864	10,420	0.81	4.00	12,462	10,094	0.81	4.30	11,658	9,443	0.81	4.63
28	20	13,936	9,616	0.69	4.10	13,400	9,246	0.69	4.38	12,596	8,691	0.69	4.71
28	22	15,008	8,555	0.57	4.18	14,472	8,249	0.57	4.51	13,668	7,791	0.57	4.79
30	16	11,926	11,926	1.00	3.90	11,390	11,390	1.00	4.18	10,854	10,854	1.00	4.53
30	18	12,864	11,449	0.89	4.00	12,462	11,091	0.89	4.30	11,658	10,376	0.89	4.63
30	20	13,936	10,731	0.77	4.10	13,400	10,318	0.77	4.38	12,596	9,699	0.77	4.71
30	22	15,008	9,755	0.65	4.18	14,472	9,407	0.65	4.51	13,668	8,884	0.65	4.79
32	16	11,926	11,926	1.00	3.90	11,390	11,390	1.00	4.18	10,854	10,854	1.00	4.53
32	18	12,864	12,478	0.97	4.00	12,462	12,088	0.97	4.30	11,658	11,308	0.97	4.63
32	20	13,936	11,846	0.85	4.10	13,400	11,390	0.85	4.38	12,596	10,707	0.85	4.71
32	22	15,008	10,956	0.73	4.18	14,472	10,565	0.73	4.51	13,668	9,978	0.73	4.79
34	16	11,926	11,926	1.00	3.90	11,390	11,390	1.00	4.18	10,854	10,854	1.00	4.53
34	18	12,864	12,864	1.00	4.00	12,462	12,462	1.00	4.30	11,658	11,658	1.00	4.63
34	20	13,936	12,960	0.93	4.10	13,400	12,462	0.93	4.38	12,596	11,714	0.93	4.71
34	22	15,008	12,156	0.81	4.18	14,472	11,722	0.81	4.51	13,668	11,071	0.81	4.79

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

PSA-RP71KA / PUHZ-FRP71VHA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	7,029	4,569	0.65	1.72	6,816	4,430	0.65	1.82	6,603	4,292	0.65	1.92
20	18	7,526	3,989	0.53	1.75	7,313	3,876	0.53	1.85	7,065	3,744	0.53	1.98
20	20	8,094	3,319	0.41	1.81	7,917	3,246	0.41	1.89	7,704	3,158	0.41	2.02
22	16	7,029	5,131	0.73	1.72	6,816	4,976	0.73	1.82	6,603	4,820	0.73	1.92
22	18	7,526	4,591	0.61	1.75	7,313	4,461	0.61	1.85	7,065	4,309	0.61	1.98
22	20	8,094	3,966	0.49	1.81	7,917	3,879	0.49	1.89	7,704	3,775	0.49	2.02
24	16	7,029	5,693	0.81	1.72	6,816	5,521	0.81	1.82	6,603	5,348	0.81	1.92
24	18	7,526	5,193	0.69	1.75	7,313	5,046	0.69	1.85	7,065	4,875	0.69	1.98
24	20	8,094	4,614	0.57	1.81	7,917	4,512	0.57	1.89	7,704	4,391	0.57	2.02
24	22	8,627	3,882	0.45	1.85	8,449	3,802	0.45	1.96	8,236	3,706	0.45	2.09
26	16	7,029	6,256	0.89	1.72	6,816	6,066	0.89	1.82	6,603	5,877	0.89	1.92
26	18	7,526	5,795	0.77	1.75	7,313	5,631	0.77	1.85	7,065	5,440	0.77	1.98
26	20	8,094	5,261	0.65	1.81	7,917	5,146	0.65	1.89	7,704	5,007	0.65	2.02
26	22	8,627	4,572	0.53	1.85	8,449	4,478	0.53	1.96	8,236	4,365	0.53	2.09
27	16	7,029	6,537	0.93	1.72	6,816	6,339	0.93	1.82	6,603	6,141	0.93	1.92
27	18	7,526	6,096	0.81	1.75	7,313	5,924	0.81	1.85	7,065	5,722	0.81	1.98
27	20	8,094	5,585	0.69	1.81	7,917	5,462	0.69	1.89	7,704	5,315	0.69	2.02
27	22	8,627	4,917	0.57	1.85	8,449	4,816	0.57	1.96	8,236	4,695	0.57	2.09
28	16	7,029	6,818	0.97	1.72	6,816	6,612	0.97	1.82	6,603	6,405	0.97	1.92
28	18	7,526	6,397	0.85	1.75	7,313	6,216	0.85	1.85	7,065	6,005	0.85	1.98
28	20	8,094	5,909	0.73	1.81	7,917	5,779	0.73	1.89	7,704	5,624	0.73	2.02
28	22	8,627	5,262	0.61	1.85	8,449	5,154	0.61	1.96	8,236	5,024	0.61	2.09
30	16	7,029	7,029	1.00	1.72	6,816	6,816	1.00	1.82	6,603	6,603	1.00	1.92
30	18	7,526	6,999	0.93	1.75	7,313	6,801	0.93	1.85	7,065	6,570	0.93	1.98
30	20	8,094	6,556	0.81	1.81	7,917	6,412	0.81	1.89	7,704	6,240	0.81	2.02
30	22	8,627	5,952	0.69	1.85	8,449	5,830	0.69	1.96	8,236	5,683	0.69	2.09
32	16	7,029	7,029	1.00	1.72	6,816	6,816	1.00	1.82	6,603	6,603	1.00	1.92
32	18	7,526	7,526	1.00	1.75	7,313	7,313	1.00	1.85	7,065	7,065	1.00	1.98
32	20	8,094	7,204	0.89	1.81	7,917	7,046	0.89	1.89	7,704	6,856	0.89	2.02
32	22	8,627	6,642	0.77	1.85	8,449	6,506	0.77	1.96	8,236	6,342	0.77	2.09
34	16	7,029	7,029	1.00	1.72	6,816	6,816	1.00	1.82	6,603	6,603	1.00	1.92
34	18	7,526	7,526	1.00	1.75	7,313	7,313	1.00	1.85	7,065	7,065	1.00	1.98
34	20	8,094	7,851	0.97	1.81	7,917	7,679	0.97	1.89	7,704	7,472	0.97	2.02
34	22	8,627	7,333	0.85	1.85	8,449	7,182	0.85	1.96	8,236	7,001	0.85	2.09

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	6,319	4,107	0.65	2.06	6,035	3,923	0.65	2.21	5,751	3,738	0.65	2.40
20	18	6,816	3,612	0.53	2.12	6,603	3,500	0.53	2.28	6,177	3,274	0.53	2.45
20	20	7,384	3,027	0.41	2.17	7,100	2,911	0.41	2.32	6,674	2,736	0.41	2.49
22	16	6,319	4,613	0.73	2.06	6,035	4,406	0.73	2.21	5,751	4,198	0.73	2.40
22	18	6,816	4,158	0.61	2.12	6,603	4,028	0.61	2.28	6,177	3,768	0.61	2.45
22	20	7,384	3,618	0.49	2.17	7,100	3,479	0.49	2.32	6,674	3,270	0.49	2.49
24	16	6,319	5,118	0.81	2.06	6,035	4,888	0.81	2.21	5,751	4,658	0.81	2.40
24	18	6,816	4,703	0.69	2.12	6,603	4,556	0.69	2.28	6,177	4,262	0.69	2.45
24	20	7,384	4,209	0.57	2.17	7,100	4,047	0.57	2.32	6,674	3,804	0.57	2.49
24	22	7,952	3,578	0.45	2.21	7,668	3,451	0.45	2.39	7,242	3,259	0.45	2.54
26	16	6,319	5,624	0.89	2.06	6,035	5,371	0.89	2.21	5,751	5,118	0.89	2.40
26	18	6,816	5,248	0.77	2.12	6,603	5,084	0.77	2.28	6,177	4,756	0.77	2.45
26	20	7,384	4,800	0.65	2.17	7,100	4,615	0.65	2.32	6,674	4,338	0.65	2.49
26	22	7,952	4,215	0.53	2.21	7,668	4,064	0.53	2.39	7,242	3,838	0.53	2.54
27	16	6,319	5,877	0.93	2.06	6,035	5,613	0.93	2.21	5,751	5,348	0.93	2.40
27	18	6,816	5,521	0.81	2.12	6,603	5,348	0.81	2.28	6,177	5,003	0.81	2.45
27	20	7,384	5,095	0.69	2.17	7,100	4,899	0.69	2.32	6,674	4,605	0.69	2.49
27	22	7,952	4,533	0.57	2.21	7,668	4,371	0.57	2.39	7,242	4,128	0.57	2.54
28	16	6,319	6,129	0.97	2.06	6,035	5,854	0.97	2.21	5,751	5,578	0.97	2.40
28	18	6,816	5,794	0.85	2.12	6,603	5,613	0.85	2.28	6,177	5,250	0.85	2.45
28	20	7,384	5,390	0.73	2.17	7,100	5,183	0.73	2.32	6,674	4,872	0.73	2.49
28	22	7,952	4,851	0.61	2.21	7,668	4,677	0.61	2.39	7,242	4,418	0.61	2.54
30	16	6,319	6,319	1.00	2.06	6,035	6,035	1.00	2.21	5,751	5,751	1.00	2.40
30	18	6,816	6,339	0.93	2.12	6,603	6,141	0.93	2.28	6,177	5,745	0.93	2.45
30	20	7,384	5,981	0.81	2.17	7,100	5,751	0.81	2.32	6,674	5,406	0.81	2.49
30	22	7,952	5,487	0.69	2.21	7,668	5,291	0.69	2.39	7,242	4,997	0.69	2.54
32	16	6,319	6,319	1.00	2.06	6,035	6,035	1.00	2.21	5,751	5,751	1.00	2.40
32	18	6,816	6,816	1.00	2.12	6,603	6,603	1.00	2.28	6,177	6,177	1.00	2.45
32	20	7,384	6,572	0.89	2.17	7,100	6,319	0.89	2.32	6,674	5,940	0.89	2.49
32	22	7,952	6,123	0.77	2.21	7,668	5,904	0.77	2.39	7,242	5,576	0.77	2.54
34	16	6,319	6,319	1.00	2.06	6,035	6,035	1.00	2.21	5,751	5,751	1.00	2.40
34	18	6,816	6,816	1.00	2.12	6,603	6,603	1.00	2.28	6,177	6,177	1.00	2.45
34	20	7,384	7,162	0.97	2.17	7,100	6,887	0.97	2.32	6,674	6,474	0.97	2.49
34	22	7,952	6,759	0.85	2.21	7,668	6,518	0.85	2.39	7,242	6,156	0.85	2.54

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PSA-RP100KA / PUHZ-P100VKA PUHZ-P100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,306	5,863	0.63	2.50	9,024	5,685	0.63	2.64	8,742	5,507	0.63	2.79
20	18	9,964	5,082	0.51	2.54	9,682	4,938	0.51	2.68	9,353	4,770	0.51	2.87
20	20	10,716	4,179	0.39	2.62	10,481	4,088	0.39	2.75	10,199	3,978	0.39	2.93
22	16	9,306	6,607	0.71	2.50	9,024	6,407	0.71	2.64	8,742	6,207	0.71	2.79
22	18	9,964	5,879	0.59	2.54	9,682	5,712	0.59	2.68	9,353	5,518	0.59	2.87
22	20	10,716	5,037	0.47	2.62	10,481	4,926	0.47	2.75	10,199	4,794	0.47	2.93
24	16	9,306	7,352	0.79	2.50	9,024	7,129	0.79	2.64	8,742	6,906	0.79	2.79
24	18	9,964	6,676	0.67	2.54	9,682	6,487	0.67	2.68	9,353	6,267	0.67	2.87
24	20	10,716	5,894	0.55	2.62	10,481	5,765	0.55	2.75	10,199	5,609	0.55	2.93
24	22	11,421	4,911	0.43	2.68	11,186	4,810	0.43	2.84	10,904	4,689	0.43	3.03
26	16	9,306	8,096	0.87	2.50	9,024	7,851	0.87	2.64	8,742	7,606	0.87	2.79
26	18	9,964	7,473	0.75	2.54	9,682	7,262	0.75	2.68	9,353	7,015	0.75	2.87
26	20	10,716	6,751	0.63	2.62	10,481	6,603	0.63	2.75	10,199	6,425	0.63	2.93
26	22	11,421	5,825	0.51	2.68	11,186	5,705	0.51	2.84	10,904	5,561	0.51	3.03
27	16	9,306	8,468	0.91	2.50	9,024	8,212	0.91	2.64	8,742	7,955	0.91	2.79
27	18	9,964	7,872	0.79	2.54	9,682	7,649	0.79	2.68	9,353	7,389	0.79	2.87
27	20	10,716	7,180	0.67	2.62	10,481	7,022	0.67	2.75	10,199	6,833	0.67	2.93
27	22	11,421	6,282	0.55	2.68	11,186	6,152	0.55	2.84	10,904	5,997	0.55	3.03
28	16	9,306	8,841	0.95	2.50	9,024	8,573	0.95	2.64	8,742	8,305	0.95	2.79
28	18	9,964	8,270	0.83	2.54	9,682	8,036	0.83	2.68	9,353	7,763	0.83	2.87
28	20	10,716	7,608	0.71	2.62	10,481	7,442	0.71	2.75	10,199	7,241	0.71	2.93
28	22	11,421	6,738	0.59	2.68	11,186	6,600	0.59	2.84	10,904	6,433	0.59	3.03
30	16	9,306	9,306	1.00	2.50	9,024	9,024	1.00	2.64	8,742	8,742	1.00	2.79
30	18	9,964	9,067	0.91	2.54	9,682	8,811	0.91	2.68	9,353	8,511	0.91	2.87
30	20	10,716	8,466	0.79	2.62	10,481	8,280	0.79	2.75	10,199	8,057	0.79	2.93
30	22	11,421	7,652	0.67	2.68	11,186	7,495	0.67	2.84	10,904	7,306	0.67	3.03
32	16	9,306	9,306	1.00	2.50	9,024	9,024	1.00	2.64	8,742	8,742	1.00	2.79
32	18	9,964	9,864	0.99	2.54	9,682	9,585	0.99	2.68	9,353	9,259	0.99	2.87
32	20	10,716	9,323	0.87	2.62	10,481	9,118	0.87	2.75	10,199	8,873	0.87	2.93
32	22	11,421	8,566	0.75	2.68	11,186	8,390	0.75	2.84	10,904	8,178	0.75	3.03
34	16	9,306	9,306	1.00	2.50	9,024	9,024	1.00	2.64	8,742	8,742	1.00	2.79
34	18	9,964	9,964	1.00	2.54	9,682	9,682	1.00	2.68	9,353	9,353	1.00	2.87
34	20	10,716	10,180	0.95	2.62	10,481	9,957	0.95	2.75	10,199	9,689	0.95	2.93
34	22	11,421	9,479	0.83	2.68	11,186	9,284	0.83	2.84	10,904	9,050	0.83	3.03

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,366	5,271	0.63	3.00	7,990	5,034	0.63	3.21	7,614	4,797	0.63	3.48
20	18	9,024	4,602	0.51	3.07	8,742	4,458	0.51	3.31	8,178	4,171	0.51	3.56
20	20	9,776	3,813	0.39	3.15	9,400	3,666	0.39	3.37	8,836	3,446	0.39	3.62
22	16	8,366	5,940	0.71	3.00	7,990	5,673	0.71	3.21	7,614	5,406	0.71	3.48
22	18	9,024	5,324	0.59	3.07	8,742	5,158	0.59	3.31	8,178	4,825	0.59	3.56
22	20	9,776	4,595	0.47	3.15	9,400	4,418	0.47	3.37	8,836	4,153	0.47	3.62
24	16	8,366	6,609	0.79	3.00	7,990	6,312	0.79	3.21	7,614	6,015	0.79	3.48
24	18	9,024	6,046	0.67	3.07	8,742	5,857	0.67	3.31	8,178	5,479	0.67	3.56
24	20	9,776	5,377	0.55	3.15	9,400	5,170	0.55	3.37	8,836	4,860	0.55	3.62
24	22	10,528	4,527	0.43	3.21	10,152	4,365	0.43	3.46	9,588	4,123	0.43	3.68
26	16	8,366	7,278	0.87	3.00	7,990	6,951	0.87	3.21	7,614	6,624	0.87	3.48
26	18	9,024	6,768	0.75	3.07	8,742	6,557	0.75	3.31	8,178	6,134	0.75	3.56
26	20	9,776	6,159	0.63	3.15	9,400	5,922	0.63	3.37	8,836	5,567	0.63	3.62
26	22	10,528	5,369	0.51	3.21	10,152	5,178	0.51	3.46	9,588	4,890	0.51	3.68
27	16	8,366	7,613	0.91	3.00	7,990	7,271	0.91	3.21	7,614	6,929	0.91	3.48
27	18	9,024	7,129	0.79	3.07	8,742	6,906	0.79	3.31	8,178	6,461	0.79	3.56
27	20	9,776	6,550	0.67	3.15	9,400	6,298	0.67	3.37	8,836	5,920	0.67	3.62
27	22	10,528	5,790	0.55	3.21	10,152	5,584	0.55	3.46	9,588	5,273	0.55	3.68
28	16	8,366	7,948	0.95	3.00	7,990	7,591	0.95	3.21	7,614	7,233	0.95	3.48
28	18	9,024	7,490	0.83	3.07	8,742	7,256	0.83	3.31	8,178	6,788	0.83	3.56
28	20	9,776	6,941	0.71	3.15	9,400	6,674	0.71	3.37	8,836	6,274	0.71	3.62
28	22	10,528	6,212	0.59	3.21	10,152	5,990	0.59	3.46	9,588	5,657	0.59	3.68
30	16	8,366	8,366	1.00	3.00	7,990	7,990	1.00	3.21	7,614	7,614	1.00	3.48
30	18	9,024	8,212	0.91	3.07	8,742	7,955	0.91	3.31	8,178	7,442	0.91	3.56
30	20	9,776	7,723	0.79	3.15	9,400	7,426	0.79	3.37	8,836	6,980	0.79	3.62
30	22	10,528	7,054	0.67	3.21	10,152	6,802	0.67	3.46	9,588	6,424	0.67	3.68
32	16	8,366	8,366	1.00	3.00	7,990	7,990	1.00	3.21	7,614	7,614	1.00	3.48
32	18	9,024	8,934	0.99	3.07	8,742	8,655	0.99	3.31	8,178	8,096	0.99	3.56
32	20	9,776	8,505	0.87	3.15	9,400	8,178	0.87	3.37	8,836	7,687	0.87	3.62
32	22	10,528	7,896	0.75	3.21	10,152	7,614	0.75	3.46	9,588	7,191	0.75	3.68
34	16	8,366	8,366	1.00	3.00	7,990	7,990	1.00	3.21	7,614	7,614	1.00	3.48
34	18	9,024	9,024	1.00	3.07	8,742	8,742	1.00	3.31	8,178	8,178	1.00	3.56
34	20	9,776	9,287	0.95	3.15	9,400	8,930	0.95	3.37	8,836	8,394	0.95	3.62
34	22	10,528	8,738	0.83	3.21	10,152	8,426	0.83	3.46	9,588	7,958	0.83	3.68

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PSA-RP125KA / PUHZ-P125VKA PUHZ-P125YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	SHC (W)	SHF	P.C.	25 CA	SHC (W)	SHF	P.C.	30 CA	SHC (W)	SHF	P.C.
20	16	11,979	7,427	0.62	4.02	11,616	7,202	0.62	4.24	11,253	6,977	0.62	4.49
20	18	12,826	6,413	0.50	4.09	12,463	6,232	0.50	4.32	12,040	6,020	0.50	4.62
20	20	13,794	5,242	0.38	4.22	13,492	5,127	0.38	4.42	13,129	4,989	0.38	4.72
22	16	11,979	8,385	0.70	4.02	11,616	8,131	0.70	4.24	11,253	7,877	0.70	4.49
22	18	12,826	7,439	0.58	4.09	12,463	7,229	0.58	4.32	12,040	6,983	0.58	4.62
22	20	13,794	6,345	0.46	4.22	13,492	6,206	0.46	4.42	13,129	6,039	0.46	4.72
24	16	11,979	9,344	0.78	4.02	11,616	9,060	0.78	4.24	11,253	8,777	0.78	4.49
24	18	12,826	8,465	0.66	4.09	12,463	8,226	0.66	4.32	12,040	7,946	0.66	4.62
24	20	13,794	7,449	0.54	4.22	13,492	7,285	0.54	4.42	13,129	7,089	0.54	4.72
24	22	14,702	6,175	0.42	4.32	14,399	6,048	0.42	4.57	14,036	5,895	0.42	4.87
26	16	11,979	10,302	0.86	4.02	11,616	9,990	0.86	4.24	11,253	9,678	0.86	4.49
26	18	12,826	9,491	0.74	4.09	12,463	9,223	0.74	4.32	12,040	8,909	0.74	4.62
26	20	13,794	8,552	0.62	4.22	13,492	8,365	0.62	4.42	13,129	8,140	0.62	4.72
26	22	14,702	7,351	0.50	4.32	14,399	7,200	0.50	4.57	14,036	7,018	0.50	4.87
27	16	11,979	10,781	0.90	4.02	11,616	10,454	0.90	4.24	11,253	10,128	0.90	4.49
27	18	12,826	10,004	0.78	4.09	12,463	9,721	0.78	4.32	12,040	9,391	0.78	4.62
27	20	13,794	9,104	0.66	4.22	13,492	8,904	0.66	4.42	13,129	8,665	0.66	4.72
27	22	14,702	7,939	0.54	4.32	14,399	7,775	0.54	4.57	14,036	7,579	0.54	4.87
28	16	11,979	11,260	0.94	4.02	11,616	10,919	0.94	4.24	11,253	10,578	0.94	4.49
28	18	12,826	10,517	0.82	4.09	12,463	10,220	0.82	4.32	12,040	9,872	0.82	4.62
28	20	13,794	9,656	0.70	4.22	13,492	9,444	0.70	4.42	13,129	9,190	0.70	4.72
28	22	14,702	8,527	0.58	4.32	14,399	8,351	0.58	4.57	14,036	8,141	0.58	4.87
30	16	11,979	11,979	1.00	4.02	11,616	11,616	1.00	4.24	11,253	11,253	1.00	4.49
30	18	12,826	11,543	0.90	4.09	12,463	11,217	0.90	4.32	12,040	10,836	0.90	4.62
30	20	13,794	10,759	0.78	4.22	13,492	10,523	0.78	4.42	13,129	10,240	0.78	4.72
30	22	14,702	9,703	0.66	4.32	14,399	9,503	0.66	4.57	14,036	9,264	0.66	4.87
32	16	11,979	11,979	1.00	4.02	11,616	11,616	1.00	4.24	11,253	11,253	1.00	4.49
32	18	12,826	12,569	0.98	4.09	12,463	12,214	0.98	4.32	12,040	11,799	0.98	4.62
32	20	13,794	11,863	0.86	4.22	13,492	11,603	0.86	4.42	13,129	11,291	0.86	4.72
32	22	14,702	10,879	0.74	4.32	14,399	10,655	0.74	4.57	14,036	10,387	0.74	4.87
34	16	11,979	11,979	1.00	4.02	11,616	11,616	1.00	4.24	11,253	11,253	1.00	4.49
34	18	12,826	12,826	1.00	4.09	12,463	12,463	1.00	4.32	12,040	12,040	1.00	4.62
34	20	13,794	12,966	0.94	4.22	13,492	12,682	0.94	4.42	13,129	12,341	0.94	4.72
34	22	14,702	12,055	0.82	4.32	14,399	11,807	0.82	4.57	14,036	11,510	0.82	4.87

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	SHC (W)	SHF	P.C.	40 CA	SHC (W)	SHF	P.C.	45 CA	SHC (W)	SHF	P.C.
20	16	10,769	6,677	0.62	4.82	10,285	6,377	0.62	5.17	9,801	6,077	0.62	5.60
20	18	11,616	5,808	0.50	4.94	11,253	5,627	0.50	5.32	10,527	5,264	0.50	5.72
20	20	12,584	4,782	0.38	5.07	12,100	4,598	0.38	5.42	11,374	4,322	0.38	5.82
22	16	10,769	7,538	0.70	4.82	10,285	7,200	0.70	5.17	9,801	6,861	0.70	5.60
22	18	11,616	6,737	0.58	4.94	11,253	6,527	0.58	5.32	10,527	6,106	0.58	5.72
22	20	12,584	5,789	0.46	5.07	12,100	5,566	0.46	5.42	11,374	5,232	0.46	5.82
24	16	10,769	8,400	0.78	4.82	10,285	8,022	0.78	5.17	9,801	7,645	0.78	5.60
24	18	11,616	7,667	0.66	4.94	11,253	7,427	0.66	5.32	10,527	6,948	0.66	5.72
24	20	12,584	6,795	0.54	5.07	12,100	6,534	0.54	5.42	11,374	6,142	0.54	5.82
24	22	13,552	5,692	0.42	5.17	13,068	5,489	0.42	5.57	12,342	5,184	0.42	5.92
26	16	10,769	9,261	0.86	4.82	10,285	8,845	0.86	5.17	9,801	8,429	0.86	5.60
26	18	11,616	8,596	0.74	4.94	11,253	8,327	0.74	5.32	10,527	7,790	0.74	5.72
26	20	12,584	7,802	0.62	5.07	12,100	7,502	0.62	5.42	11,374	7,052	0.62	5.82
26	22	13,552	6,776	0.50	5.17	13,068	6,534	0.50	5.57	12,342	6,171	0.50	5.92
27	16	10,769	9,692	0.90	4.82	10,285	9,257	0.90	5.17	9,801	8,821	0.90	5.60
27	18	11,616	9,060	0.78	4.94	11,253	8,777	0.78	5.32	10,527	8,211	0.78	5.72
27	20	12,584	8,305	0.66	5.07	12,100	7,986	0.66	5.42	11,374	7,507	0.66	5.82
27	22	13,552	7,318	0.54	5.17	13,068	7,057	0.54	5.57	12,342	6,665	0.54	5.92
28	16	10,769	10,123	0.94	4.82	10,285	9,668	0.94	5.17	9,801	9,213	0.94	5.60
28	18	11,616	9,525	0.82	4.94	11,253	9,227	0.82	5.32	10,527	8,632	0.82	5.72
28	20	12,584	8,809	0.70	5.07	12,100	8,470	0.70	5.42	11,374	7,962	0.70	5.82
28	22	13,552	7,860	0.58	5.17	13,068	7,579	0.58	5.57	12,342	7,158	0.58	5.92
30	16	10,769	10,769	1.00	4.82	10,285	10,285	1.00	5.17	9,801	9,801	1.00	5.60
30	18	11,616	10,454	0.90	4.94	11,253	10,128	0.90	5.32	10,527	9,474	0.90	5.72
30	20	12,584	9,816	0.78	5.07	12,100	9,438	0.78	5.42	11,374	8,872	0.78	5.82
30	22	13,552	8,944	0.66	5.17	13,068	8,625	0.66	5.57	12,342	8,146	0.66	5.92
32	16	10,769	10,769	1.00	4.82	10,285	10,285	1.00	5.17	9,801	9,801	1.00	5.60
32	18	11,616	11,384	0.98	4.94	11,253	11,028	0.98	5.32	10,527	10,316	0.98	5.72
32	20	12,584	10,822	0.86	5.07	12,100	10,406	0.86	5.42	11,374	9,782	0.86	5.82
32	22	13,552	10,028	0.74	5.17	13,068	9,670	0.74	5.57	12,342	9,133	0.74	5.92
34	16	10,769	10,769	1.00	4.82	10,285	10,285	1.00	5.17	9,801	9,801	1.00	5.60
34	18	11,616	11,616	1.00	4.94	11,253	11,253	1.00	5.32	10,527	10,527	1.00	5.72
34	20	12,584	11,829	0.94	5.07	12,100	11,374	0.94	5.42	11,374	10,692	0.94	5.82
34	22	13,552	11,113	0.82	5.17	13,068	10,716	0.82	5.57	12,342	10,120	0.82	5.92

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PSA-RP140KA / PUHZ-P140VKA PUHZ-P140YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,464	8,213	0.61	5.10	13,056	7,964	0.61	5.39	12,648	7,715	0.61	5.71
20	18	14,416	7,064	0.49	5.20	14,008	6,864	0.49	5.49	13,532	6,631	0.49	5.87
20	20	15,504	5,736	0.37	5.36	15,164	5,611	0.37	5.61	14,756	5,460	0.37	6.00
22	16	13,464	9,290	0.69	5.10	13,056	9,009	0.69	5.39	12,648	8,727	0.69	5.71
22	18	14,416	8,217	0.57	5.20	14,008	7,985	0.57	5.49	13,532	7,713	0.57	5.87
22	20	15,504	6,977	0.45	5.36	15,164	6,824	0.45	5.61	14,756	6,640	0.45	6.00
24	16	13,464	10,367	0.77	5.10	13,056	10,053	0.77	5.39	12,648	9,739	0.77	5.71
24	18	14,416	9,370	0.65	5.20	14,008	9,105	0.65	5.49	13,532	8,796	0.65	5.87
24	20	15,504	8,217	0.53	5.36	15,164	8,037	0.53	5.61	14,756	7,821	0.53	6.00
24	22	16,524	6,775	0.41	5.49	16,184	6,635	0.41	5.81	15,776	6,468	0.41	6.19
26	16	13,464	11,444	0.85	5.10	13,056	11,098	0.85	5.39	12,648	10,751	0.85	5.71
26	18	14,416	10,524	0.73	5.20	14,008	10,226	0.73	5.49	13,532	9,878	0.73	5.87
26	20	15,504	9,457	0.61	5.36	15,164	9,250	0.61	5.61	14,756	9,001	0.61	6.00
26	22	16,524	8,097	0.49	5.49	16,184	7,930	0.49	5.81	15,776	7,730	0.49	6.19
27	16	13,464	11,983	0.89	5.10	13,056	11,620	0.89	5.39	12,648	11,257	0.89	5.71
27	18	14,416	11,100	0.77	5.20	14,008	10,786	0.77	5.49	13,532	10,420	0.77	5.87
27	20	15,504	10,078	0.65	5.36	15,164	9,857	0.65	5.61	14,756	9,591	0.65	6.00
27	22	16,524	8,758	0.53	5.49	16,184	8,578	0.53	5.81	15,776	8,361	0.53	6.19
28	16	13,464	12,522	0.93	5.10	13,056	12,142	0.93	5.39	12,648	11,763	0.93	5.71
28	18	14,416	11,677	0.81	5.20	14,008	11,346	0.81	5.49	13,532	10,961	0.81	5.87
28	20	15,504	10,698	0.69	5.36	15,164	10,463	0.69	5.61	14,756	10,182	0.69	6.00
28	22	16,524	9,419	0.57	5.49	16,184	9,225	0.57	5.81	15,776	8,992	0.57	6.19
30	16	13,464	13,464	1.00	5.10	13,056	13,056	1.00	5.39	12,648	12,648	1.00	5.71
30	18	14,416	12,830	0.89	5.20	14,008	12,467	0.89	5.49	13,532	12,043	0.89	5.87
30	20	15,504	11,938	0.77	5.36	15,164	11,676	0.77	5.61	14,756	11,362	0.77	6.00
30	22	16,524	10,741	0.65	5.49	16,184	10,520	0.65	5.81	15,776	10,254	0.65	6.19
32	16	13,464	13,464	1.00	5.10	13,056	13,056	1.00	5.39	12,648	12,648	1.00	5.71
32	18	14,416	13,984	0.97	5.20	14,008	13,588	0.97	5.49	13,532	13,126	0.97	5.87
32	20	15,504	13,178	0.85	5.36	15,164	12,889	0.85	5.61	14,756	12,543	0.85	6.00
32	22	16,524	12,063	0.73	5.49	16,184	11,814	0.73	5.81	15,776	11,516	0.73	6.19
34	16	13,464	13,464	1.00	5.10	13,056	13,056	1.00	5.39	12,648	12,648	1.00	5.71
34	18	14,416	14,416	1.00	5.20	14,008	14,008	1.00	5.49	13,532	13,532	1.00	5.87
34	20	15,504	14,419	0.93	5.36	15,164	14,103	0.93	5.61	14,756	13,723	0.93	6.00
34	22	16,524	13,384	0.81	5.49	16,184	13,109	0.81	5.81	15,776	12,779	0.81	6.19

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	12,104	7,383	0.61	6.12	11,560	7,052	0.61	6.57	11,016	6,720	0.61	7.11
20	18	13,056	6,397	0.49	6.28	12,648	6,198	0.49	6.76	11,832	5,798	0.49	7.27
20	20	14,144	5,233	0.37	6.44	13,600	5,032	0.37	6.89	12,784	4,730	0.37	7.40
22	16	12,104	8,352	0.69	6.12	11,560	7,976	0.69	6.57	11,016	7,601	0.69	7.11
22	18	13,056	7,442	0.57	6.28	12,648	7,209	0.57	6.76	11,832	6,744	0.57	7.27
22	20	14,144	6,365	0.45	6.44	13,600	6,120	0.45	6.89	12,784	5,753	0.45	7.40
24	16	12,104	9,320	0.77	6.12	11,560	8,901	0.77	6.57	11,016	8,482	0.77	7.11
24	18	13,056	8,486	0.65	6.28	12,648	8,221	0.65	6.76	11,832	7,691	0.65	7.27
24	20	14,144	7,496	0.53	6.44	13,600	7,208	0.53	6.89	12,784	6,776	0.53	7.40
24	22	15,232	6,245	0.41	6.57	14,688	6,022	0.41	7.08	13,872	5,688	0.41	7.53
26	16	12,104	10,288	0.85	6.12	11,560	9,826	0.85	6.57	11,016	9,364	0.85	7.11
26	18	13,056	9,531	0.73	6.28	12,648	9,233	0.73	6.76	11,832	8,637	0.73	7.27
26	20	14,144	8,628	0.61	6.44	13,600	8,296	0.61	6.89	12,784	7,798	0.61	7.40
26	22	15,232	7,464	0.49	6.57	14,688	7,197	0.49	7.08	13,872	6,797	0.49	7.53
27	16	12,104	10,773	0.89	6.12	11,560	10,288	0.89	6.57	11,016	9,804	0.89	7.11
27	18	13,056	10,053	0.77	6.28	12,648	9,739	0.77	6.76	11,832	9,111	0.77	7.27
27	20	14,144	9,194	0.65	6.44	13,600	8,840	0.65	6.89	12,784	8,310	0.65	7.40
27	22	15,232	8,073	0.53	6.57	14,688	7,785	0.53	7.08	13,872	7,352	0.53	7.53
28	16	12,104	11,257	0.93	6.12	11,560	10,751	0.93	6.57	11,016	10,245	0.93	7.11
28	18	13,056	10,575	0.81	6.28	12,648	10,245	0.81	6.76	11,832	9,584	0.81	7.27
28	20	14,144	9,759	0.69	6.44	13,600	9,384	0.69	6.89	12,784	8,821	0.69	7.40
28	22	15,232	8,682	0.57	6.57	14,688	8,372	0.57	7.08	13,872	7,907	0.57	7.53
30	16	12,104	12,104	1.00	6.12	11,560	11,560	1.00	6.57	11,016	11,016	1.00	7.11
30	18	13,056	11,620	0.89	6.28	12,648	11,257	0.89	6.76	11,832	10,530	0.89	7.27
30	20	14,144	10,891	0.77	6.44	13,600	10,472	0.77	6.89	12,784	9,844	0.77	7.40
30	22	15,232	9,901	0.65	6.57	14,688	9,547	0.65	7.08	13,872	9,017	0.65	7.53
32	16	12,104	12,104	1.00	6.12	11,560	11,560	1.00	6.57	11,016	11,016	1.00	7.11
32	18	13,056	12,664	0.97	6.28	12,648	12,269	0.97	6.76	11,832	11,477	0.97	7.27
32	20	14,144	12,022	0.85	6.44	13,600	11,560	0.85	6.89	12,784	10,866	0.85	7.40
32	22	15,232	11,119	0.73	6.57	14,688	10,722	0.73	7.08	13,872	10,127	0.73	7.53
34	16	12,104	12,104	1.00	6.12	11,560	11,560	1.00	6.57	11,016	11,016	1.00	7.11
34	18	13,056	13,056	1.00	6.28	12,648	12,648	1.00	6.76	11,832	11,832	1.00	7.27
34	20	14,144	13,154	0.93	6.44	13,600	12,648	0.93	6.89	12,784	11,889	0.93	7.40
34	22	15,232	12,338	0.81	6.57	14,688	11,897	0.81	7.08	13,872	11,236	0.81	7.53

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

HEATING CAPACITY
PSA-RP·KA/ PUHZ-ZRP·HA2 PUHZ-ZRP·KA3

	Indoor intake air DB°C	Outdoor intake air W.B.°C											
		-10		-5		0		5		10		15	
		CA	P.C.	C A	P.C.	C A	P.C.	C A	P.C.	C A	P.C.	C A	P.C.
PSA-RP71KA	15	4,826	1.30	5,244	1.44	5,852	1.66	7,676	1.99	8,664	2.21	9,652	2.39
	20	4,636	1.41	5,016	1.55	5,548	1.79	7,410	2.14	8,360	2.39	9,310	2.56
	25	4,484	1.50	4,864	1.68	5,320	1.94	6,992	2.28	8,056	2.55	8,968	2.75
PSA-RP100KA	15	7,112	1.82	7,728	2.00	8,624	2.31	11,312	2.77	12,768	3.08	14,224	3.33
	20	6,832	1.97	7,392	2.16	8,176	2.49	10,920	2.99	12,320	3.33	13,720	3.57
	25	6,608	2.09	7,168	2.34	7,840	2.71	10,304	3.17	11,872	3.56	13,216	3.83
PSA-RP125KA	15	8,890	2.50	9,660	2.76	10,780	3.18	14,140	3.82	15,960	4.24	17,780	4.58
	20	8,540	2.71	9,240	2.97	10,220	3.43	13,650	4.11	15,400	4.58	17,150	4.92
	25	8,260	2.88	8,960	3.22	9,800	3.73	12,880	4.37	14,840	4.90	16,520	5.28
PSA-RP140KA	15	10,160	2.83	11,040	3.11	12,320	3.59	16,160	4.31	18,240	4.79	20,320	5.17
	20	9,760	3.07	10,560	3.35	11,680	3.88	15,600	4.65	17,600	5.17	19,600	5.56
	25	9,440	3.26	10,240	3.64	11,200	4.22	14,720	4.93	16,960	5.53	18,880	5.96

Note: CA : Capacity (W) P.C. : Total power input (kW)

HEATING CAPACITY
PSA-RP·KA/ PUHZ-FRP·HA2

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PSA-RP71KA	15	5,080	1.43	5,520	1.57	6,160	1.82	8,080	2.18	9,120	2.42	10,160	2.61
	20	4,880	1.55	5,280	1.69	5,840	1.96	7,800	2.35	8,800	2.61	9,800	2.81
	25	4,720	1.65	5,120	1.84	5,600	2.13	7,360	2.49	8,480	2.80	9,440	3.01

Note: CA : Capacity (W) P.C. : Total power input (kW)

PSA-RP·KA / PUHZ-P·VKA PUHZ-P·YKA

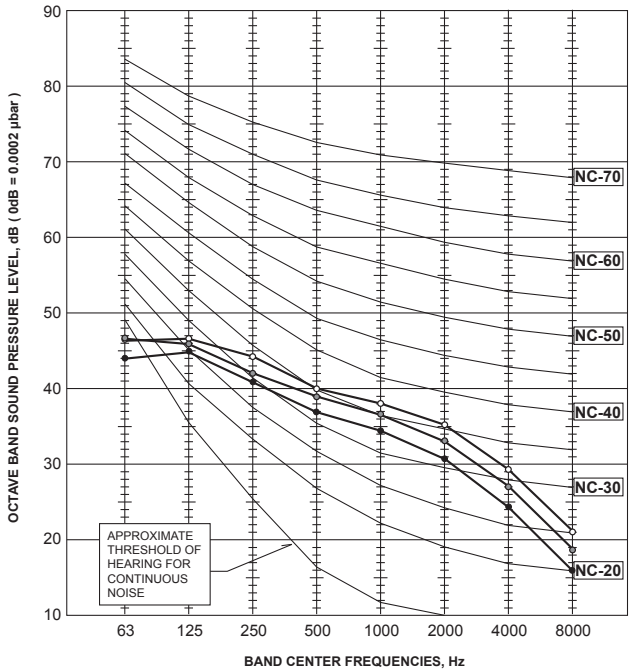
	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PSA-RP100KA	15	7112	1.94	7728	2.13	8624	2.46	11312	2.95	12768	3.28	14224	3.54
	20	6832	2.10	7392	2.30	8176	2.66	10920	3.18	12320	3.54	13720	3.80
	25	6608	2.23	7168	2.49	7840	2.89	10304	3.38	11872	3.79	13216	4.08
PSA-RP125KA	15	8,573	2.83	9,315	3.12	10,395	3.60	13,635	4.32	15,390	4.80	17,145	5.18
	20	8,235	3.07	8,910	3.36	9,855	3.89	13,163	4.66	14,850	5.18	16,538	5.57
	25	7,965	3.26	8,640	3.65	9,450	4.22	12,420	4.94	14,310	5.54	15,930	5.98
PSA-RP140KA	15	9,525	2.84	10,350	3.13	11,550	3.62	15,150	4.34	17,100	4.82	19,050	5.21
	20	9,150	3.08	9,900	3.37	10,950	3.90	14,625	4.68	16,500	5.21	18,375	5.59
	25	8,850	3.28	9,600	3.66	10,500	4.24	13,800	4.96	15,900	5.57	17,700	6.00

Note: CA : Capacity (W) P.C. : Total power input (kW)

A.5.6 NOISE CRITERIA CURVES

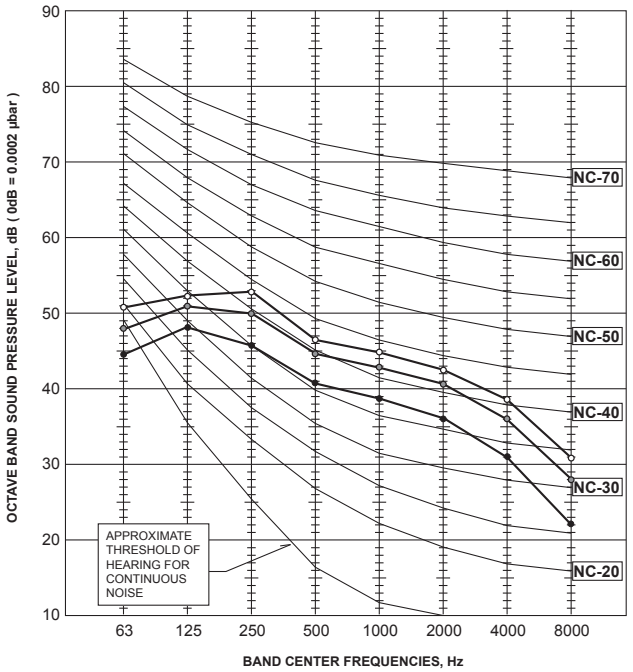
PSA-RP71KA

NOTCH	SPL(dB)	LINE
High	44	
Middle	42	
Low	40	



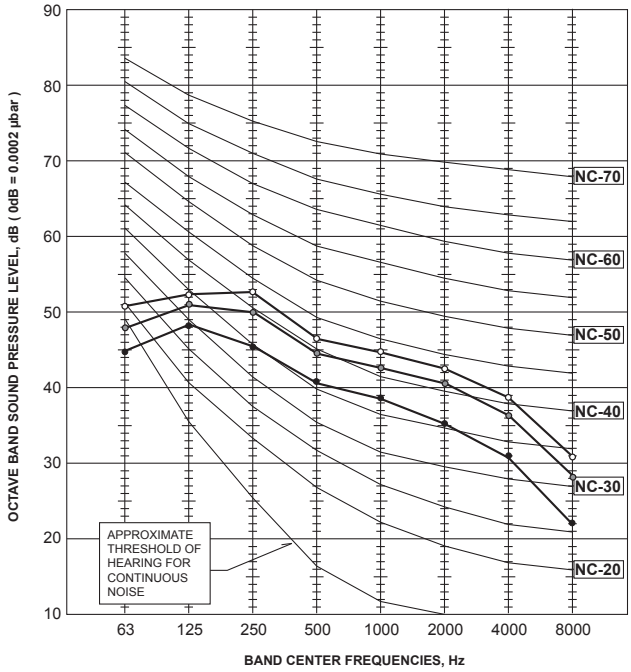
PSA-RP100KA
PSA-RP125KA

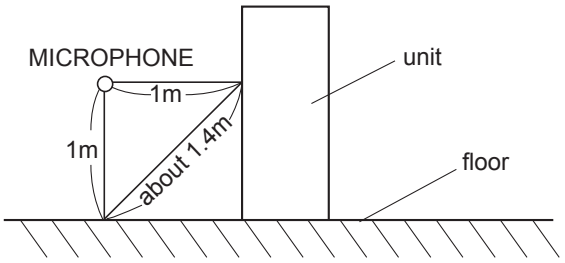
NOTCH	SPL(dB)	LINE
High	51	
Middle	49	
Low	45	



PSA-RP140KA

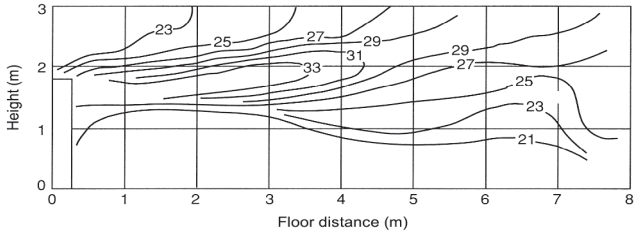
NOTCH	SPL(dB)	LINE
High	51	
Middle	49	
Low	45	



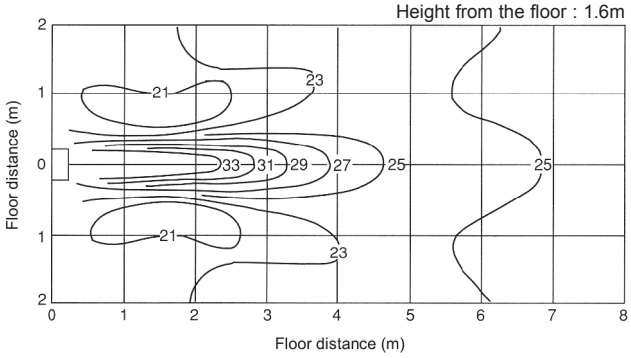


A.5.7 TEMPERATURE AND FLOW DISTRIBUTIONS

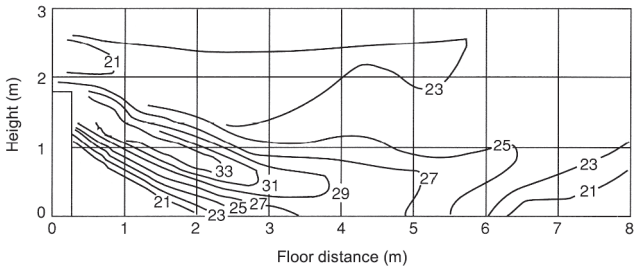
Temperature distribution
<Heating mode>
Notch : High Flow angle : 0°



Height from the floor : 1.6m



Temperature distribution
<Heating mode>
Notch : High Flow angle : 70°

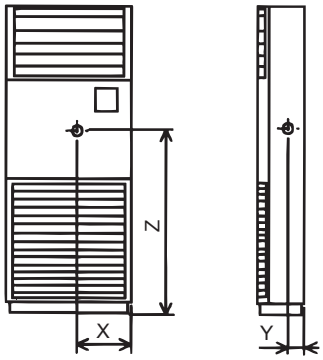


A.5.8 OUTLET AIR SPEED AND COVERAGE RANGE

	PSA-RP71KA	PSA-RP100KA	PSA-RP125KA	PSA-RP140KA
Air flow m^3/min	24	30	31	31
Air speed m/sec	3.1	3.7	3.8	3.8
Coverage range m	10.5	13.1	13.6	13.6

The air coverage range is the distance to which the 0.25m/sec air can reach, when air is blown out horizontally from the unit at the High notch position.
The coverage range should be used only as a general guideline since it varies according to the size of the room and the furniture inside the room.

A.5.9 CENTER OF GRAVITY POSITION



[Unit: mm]

Model	X	Y	Z
PSA-RP71KA	295	145	960
PSA-RP100KA	295	145	960
PSA-RP125KA	295	145	960
PSA-RP140KA	295	155	1060

A.6 CEILING-CONCEALED (PEAD/PEA)

A.6.1 SPECIFICATIONS

A.6.1.1 R32 type

1. Power Inverter SERIES

Model Name	Indoor Unit				PEAD-M35JA(L)	PEAD-M50JA(L)	PEAD-M60JA(L)	PEAD-M71JA(L)
	Outdoor Unit				PUZ-ZM35VKA	PUZ-ZM50VKA	PUZ-ZM60VHA	PUZ-ZM71VHA
Power Supply				Source	Outdoor power supply			
	Out			V	230	230	230	230
				Phase	Single	Single	Single	Single
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R32	R32	R32	R32
Cooling	Capacity	Rated		kW	3.6	5.0	6.1	7.1
		Max.		kW	4.5	5.6	6.7	8.1
		Min.		kW	1.6	2.3	2.7	3.3
	SHF	Rated			0.85	0.84	0.83	0.83
	Total Input	Rated		kW	0.837 (0.820)	1.201 (1.187)	1.509 (1.495)	1.858 (1.844)
	EER				4.30 (4.39)	4.16 (4.21)	4.04 (4.08)	3.82 (3.85)
	Annual Electricity Consumption			kWh/a	217 (201)	282 (268)	350 (337)	428 (414)
	SEER				5.8 (6.2)	6.2 (6.5)	6.1 (6.3)	5.8 (6.0)
		Energy efficiency class			A+ (A++)	A++ (A++)	A++ (A++)	A+ (A+)
Heating	Capacity	Rated		kW	4.1	6.0	7.0	8.0
		Max.		kW	5.2	7.3	8.2	10.2
		Min.		kW	1.6	2.5	2.8	3.5
	Total Input	Rated		kW	0.917	1.312	1.616	1.932
	COP				4.47	4.57	4.33	4.14
	Annual Electricity Consumption			kWh/a	858	1237	1540	1751
	SCOP				3.9	4.3	4.0	3.9
		Energy efficiency class			A	A+	A+	A
Operating Current(max)				A	14.1	14.4	20.6	21.0
Indoor Unit	Input	Rated	Cooling/ Heating	kW	0.090 (0.070) / 0.070	0.110 (0.090) / 0.090	0.120 (0.100) / 0.100	0.170 (0.150) / 0.150
	Operating Current(max)			A	1.07	1.39	1.62	1.97
	Dimensions		Height	mm	250	250	250	250
			Width	mm	900	900	1100	1100
			Depth	mm	732	732	732	732
	Weight			kg	26(25)	27(26)	30(29)	30(29)
	Air Volume		Low	m³/min.	10.0	12.0	14.5	17.5
			Mid2	m³/min.	-	-	-	-
			Mid	m³/min.	12.0	14.5	18.0	21.0
			Hi	m³/min.	14.0	17.0	21.0	25.0
	External Static Pressure			Pa	35 / 50 / 70 / 100 / 150			
	Sound Level (SPL)		Low	dB(A)	23	26	25	26
			Mid2	dB(A)	-	-	-	-
			Mid	dB(A)	27	31	29	30
			Hi	dB(A)	30	35	33	34
	Sound Level (PWL)	Cooling			54	59	55	58
Outdoor Unit	Dimensions		Height	mm	630	630	943	943
			Width	mm	809	809	950	950
			Depth	mm	300 (+23)	300 (+23)	330 (+25)	330 (+25)
	Weight			kg	46	46	70	70
	Air Volume	Cooling	Rated	m³/min.	45.0	45.0	55.0	55.0
		Heating	Rated	m³/min.	45.0	45.0	55.0	55.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	44	44	47	47
			Silent	dB(A)	41	41	44	44
		Heating	Rated	dB(A)	46	46	49	49
	Sound Level (PWL)	Cooling			65	65	67	67
	Operating Current(max)			A	13.0	13.0	19.0	19.0
	Breaker Size			A	16	16	25	25
Ext. Piping	Diameter	Liquid		mm	6.35	6.35	9.52	9.52
		Gas		mm	12.7	12.7	15.88	15.88
	Max. Length	Out-In		m	50	50	55	55
	Max. Height	Out-In	Below Indoor	m	30	30	30	30
			Above Indoor	m	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21
			Lower Limit.	°C	-11	-11	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model	Indoor Unit				PEAD-M100JA(L)		PEAD-M125JA(L)		PEAD-M140JA(L)	
Name	Outdoor Unit				PUZ-ZM100VKA	PUZ-ZM100YKA	PUZ-ZM125VKA	PUZ-ZM125YKA	PUZ-ZM140VKA	PUZ-ZM140YKA
Power Supply				Source	Outdoor power supply					
	Out			V	230	400	230	400	230	400
				Phase	Single	3	Single	3	Single	3
				Hz	50	50	50	50	50	50
	In			V	-	-	-	-	-	-
				Phase	-	-	-	-	-	-
				Hz	-	-	-	-	-	-
Refrigerant					R32	R32	R32	R32	R32	R32
Cooling	Capacity	Rated		kW	9.5		12.5		13.4	
		Max.		kW	11.4		14.0		15.3	
		Min.		kW	4.9		5.5		6.2	
	SHF	Rated			0.82		0.84		0.84	
	Total Input	Rated		kW	2.272 (2.256)		3.333 (3.315)		3.631 (3.611)	
	EER				4.18 (4.21)		3.75 (3.77)		3.69 (3.71)	
	Annual Electricity Consumption			kWh/a	534 (521)	543 (532)	-	-	-	-
	SEER				6.2 (6.3)	6.1 (6.2)	-	-	-	-
		Energy efficiency class			A++ (A++)	A++ (A++)	-	-	-	-
Heating	Capacity	Rated		kW	11.2		14.0		16.0	
		Max.		kW	14.0		16.0		18.0	
		Min.		kW	4.5		5.0		5.7	
	Total Input	Rated		kW	2.598		3.349		3.970	
	COP				4.31		4.18		4.03	
	Annual Electricity Consumption			kWh/a	2666	2666	-	-	-	-
	SCOP				4.1	4.1	-	-	-	-
		Energy efficiency class			A+	A+	-	-	-	-
Operating Current(max)				A	29.2	10.7	29.3	12.3	30.8	15.8
Indoor Unit	Input	Rated	Cooling/Heating	kW	0.250 (0.230) / 0.230		0.360 (0.340) / 0.340		0.390 (0.370) / 0.370	
	Operating Current(max)			A	2.65		2.76		2.78	
	Dimensions		Height	mm	250		250		250	
			Width	mm	1400		1400		1600	
			Depth	mm	732		732		732	
	Weight			kg	39(38)		40(39)		44(43)	
	Air Volume		Low	m^3/min.	24.0		29.5		32.0	
			Mid2	m^3/min.	-		-		-	
			Mid	m^3/min.	29.0		35.5		39.0	
			Hi	m^3/min.	34.0		42.0		46.0	
	External Static Pressure			Pa	35 / 50 / 70 / 100 / 150					
	Sound Level (SPL)		Low	dB(A)	29		33		34	
			Mid2	dB(A)	-		-		-	
			Mid	dB(A)	34		36		38	
			Hi	dB(A)	38		40		43	
	Sound Level (PWL)	Cooling			62		66		67	
Outdoor Unit	Dimensions		Height	mm	1338		1338		1338	
			Width	mm	1050		1050		1050	
			Depth	mm	330 (+40)		330 (+40)		330 (+40)	
	Weight			kg	116	123	116	125	118	131
	Air Volume	Cooling	Rated	m^3/min.	110.0		120.0		120.0	
		Heating	Rated	m^3/min.	110.0		120.0		120.0	
	Sound Level (SPL)	Cooling	Rated	dB(A)	49		50		50	
			Silent	dB(A)	46		47		47	
		Heating	Rated	dB(A)	51		52		52	
	Sound Level (PWL)	Cooling			69		70		70	
	Operating Current(max)			A	26.5	8.0	26.5	9.5	28.0	13.0
	Breaker Size			A	32	16	32	16	40	16
Ext. Piping	Diameter	Liquid		mm	9.52		9.52		9.52	
		Gas		mm	15.88		15.88		15.88	
	Max. Length	Out-In		m	100		100		100	
	Max. Height	Out-In	Below Indoor	m	30		30		30	
			Above Indoor	m	30		30		30	
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46		46		46	
			Lower Limit.	°C	-15*		-15*		-15*	
		Heating	Upper Limit.	°C	21		21		21	
			Lower Limit.	°C	-20		-20		-20	

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model	Indoor Unit					PEA-M200LA	PEA-M250LA
Name	Outdoor Unit					PUZ-ZM200YKA	PUZ-ZM250YKA
Power Supply					Source	Indoor / Outdoor separate power supply	
	Out				V	400	400
					Phase	3	3
					Hz	50	50
	In				V	230	230
					Phase	single	single
					Hz	50	50
Refrigerant						R32	R32
Cooling	Capacity	Rated			kW	19.0	22.0
		Max.			kW	22.4	27.0
		Min.			kW	9.2	9.9
	SHF	Rated				0.80	0.79
	Total Input	Rated			kW	5.757	7.213
	EER					3.30	3.05
	Annual Electricity Consumption				kWh/a	-	-
	SEER					-	-
		Energy efficiency class				-	-
Heating	Capacity	Rated			kW	22.4	27.0
		Max.			kW	25.0	31.0
		Min.			kW	7.1	7.3
	Total Input	Rated			kW	6.400	7.941
	COP					3.50	3.40
	Annual Electricity Consumption				kWh/a	-	-
	SCOP					-	-
		Energy efficiency class				-	-
Operating Current(max)					A	25.7	25.9
Indoor Unit	Input	Rated	Cooling/Heating		kW	0.35 / 0.35	0.53 / 0.53
	Operating Current(max)				A	3.1	3.4
	Dimensions		Height		mm	470	470
			Width		mm	1370	1370
			Depth		mm	1120	1120
	Weight				kg	87	87
	Air Volume (Low-Mid-Hi)				m^3/min.	42 - 51 - 60 (60Pa - 150Pa) 42 - 51 - 55 (200Pa)	50 - 61 - 72 (60Pa - 100Pa) 45 - 55 - 65 (150Pa) 45 - 50 - 55 (200Pa)
	External Static Pressure				Pa	(60) / 75 / (100) / (150) / (200)	
	Sound Level (SPL)		Low		dB(A)	35	38
			Mid2		dB(A)	-	-
			Mid		dB(A)	40	43
			Hi		dB(A)	43	47
	Sound Level (PWL)	Cooling				64	68
Outdoor Unit	Dimensions		Height		mm	1338	1338
			Width		mm	1050	1050
			Depth		mm	330 (+40)	330 (+40)
	Weight				kg	137	138
	Air Volume	Cooling	Rated		m^3/min.	140	140
		Heating	Rated		m^3/min.	140	140
	Sound Level (SPL)	Cooling	Rated		dB(A)	59	59
			Silent		dB(A)	-	-
		Heating	Rated		dB(A)	62	62
	Sound Level (PWL)	Cooling				77	77
	Operating Current(max)				A	22.5	22.5
	Breaker Size				A	32	32
Ext. Piping	Diameter	Liquid			mm	9.52	12.7
		Gas			mm	25.4	25.4
	Max. Length	Out-In			m	100	100
	Max. Height	Out-In	Below Indoor		m	30	30
			Above Indoor		m	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.		°C	46	46
			Lower Limit.		°C	-15*	-15*
		Heating	Upper Limit.		°C	21	21
			Lower Limit.		°C	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

2. Standard Inverter SERIES

Model Name	Indoor Unit				PEAD-M35JA(L)	PEAD-M50JA(L)	PEAD-M60JA(L)	PEAD-M71JA(L)
	Outdoor Unit				SUZ-M35VA	SUZ-M50VA	SUZ-M60VA	SUZ-M71VA
Power Supply				Source	Outdoor power supply			
	Out			V	230	230	230	230
				Phase	Single	Single	Single	Single
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R32	R32	R32	R32
Cooling	Capacity	Rated		kW	3.6	5.0	6.1	7.1
		Max.		kW	3.9	5.6	6.3	8.1
		Min.		kW	0.8	1.7	1.6	2.2
	SHF	Rated			0.85	0.84	0.83	0.83
	Total Input	Rated		kW	0.92(0.90)	1.35(1.33)	1.69(1.67)	2.02(2.00)
	EER				3.90(4.00)	3.70(3.75)	3.60(3.65)	3.50(3.55)
	Annual Electricity Consumption			kWh/a	217(199)	287(271)	353(335)	428(411)
	SEER				5.8(6.3)	6.1(6.4)	6.0(6.3)	5.8(6.0)
		Energy efficiency class			$A^{+}(A^{++})$	$A^{++}(A^{++})$	$A^{+}(A^{++})$	$A^{+}(A^{+})$
Heating	Capacity	Rated		kW	4.1	6.0	7.0	8.0
		Max.		kW	5.0	7.2	8.0	10.2
		Min.		kW	1.1	1.5	1.6	2.0
	Total Input	Rated		kW	1.02	1.46	1.84	2.15
	COP				4.00	4.10	3.80	3.71
	Annual Electricity Consumption			kWh/a	931	1430	1594	2080
	SCOP				3.9	4.2	4.0	3.9
		Energy efficiency class			A	A^{+}	A^{+}	A
Operating Current(max)				A	9.6	14.9	16.4	16.8
Indoor Unit	Input	Rated	Cooling/ Heating	kW	0.090 (0.070) / 0.070	0.110 (0.090) / 0.090	0.120 (0.100) / 0.100	0.170 (0.150) / 0.150
	Operating Current(max)			A	1.07	1.39	1.62	1.97
	Dimensions		Height	mm	250	250	250	250
			Width	mm	900	900	1100	1100
			Depth	mm	732	732	732	732
	Weight			kg	26 (25)	27 (26)	30 (29)	30 (29)
	Air Volume		Low	m³/min.	10.0	12.0	14.5	17.5
			Mid2	m³/min.	-	-	-	-
			Mid	m³/min.	12.0	14.5	18.0	21.0
			Hi	m³/min.	14.0	17.0	21.0	25.0
	External Static Pressure			Pa	35 / 50 / 70 / 100 / 150			
	Sound Level (SPL)		Low	dB(A)	23	26	25	26
			Mid2	dB(A)	-	-	-	-
			Mid	dB(A)	27	31	29	30
			Hi	dB(A)	30	35	33	34
	Sound Level (PWL)	Cooling			54	59	55	58
Outdoor Unit	Dimensions		Height	mm	550	714	880	880
			Width	mm	800	800	840	840
			Depth	mm	285	285	330	330
	Weight			kg	35	41	54	55
	Air Volume	Cooling	Rated	m³/min.	34.3	45.8	50.1	50.1
		Heating	Rated	m³/min.	32.7	43.7	50.1	50.1
	Sound Level (SPL)	Cooling	Rated	dB(A)	48	48	49	49
			Silent	dB(A)	-	-	-	-
		Heating	Rated	dB(A)	48	49	51	51
	Sound Level (PWL)	Cooling			59	64	65	66
	Operating Current(max)			A	8.5	13.5	14.8	14.8
	Breaker Size			A	16	20	20	20
Ext. Piping	Diameter	Liquid		mm	6.35	6.35	6.35	9.52
		Gas		mm	9.52	12.7	15.88	15.88
	Max. Length	Out-In		m	20	30	30	30
	Max. Height	Out-In	Below Indoor	m	12	30	30	30
			Above Indoor	m	12	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-10	-15	-15	-15
		Heating	Upper Limit.	°C	24	24	24	24
			Lower Limit.	°C	-10	-10	-10	-10

Model	Indoor Unit					PEAD-M100JA(L)		PEAD-M125JA(L)		PEAD-M140JA(L)	
Name	Outdoor Unit					PUZ-M100VKA	PUZ-M100YKA	PUZ-M125VKA	PUZ-M125YKA	PUZ-M140VKA	PUZ-M140YKA
Power Supply					Source	Indoor / Outdoor separate power supply					
	Out				V	230	400	230	400	230	400
					Phase	Single	3	Single	3	Single	3
					Hz	50	50	50	50	50	50
	In				V	-	-	-	-	-	-
					Phase	-	-	-	-	-	-
					Hz	-	-	-	-	-	-
Refrigerant						R32	R32	R32	R32	R32	R32
Cooling	Capacity	Rated			kW	9.5		12.1		13.4	
		Max.			kW	10.6		13.0		14.1	
		Min.			kW	4.0		6.0		6.1	
	SHF	Rated				0.82		0.84		0.84	
	Total Input	Rated			kW	2.87(2.85)		4.01(3.99)		4.76(4.74)	
	EER					3.30(3.33)		3.01(3.03)		2.81(2.82)	
	Annual Electricity Consumption				kWh/a	613(598)		-	-	-	-
	SEER					5.4(5.5)		-	-	-	-
		Energy efficiency class				A(A)		-	-	-	-
Heating	Capacity	Rated			kW	11.2		13.5		15.0	
		Max.			kW	12.5		15.0		15.8	
		Min.			kW	2.8		4.1		4.2	
	Total Input	Rated			kW	2.94(2.94)		3.73(3.73)		4.15(4.15)	
	COP					3.80(3.80)		3.61(3.61)		3.61(3.61)	
	Annual Electricity Consumption				kWh/a	2795(2795)		-	-	-	-
	SCOP					4.0(4.0)		-	-	-	-
		Energy efficiency class				$A^+(A^+)$		-	-	-	-
Operating Current(max)					A	22.7	14.2	29.3	14.3	32.8	14.3
Indoor Unit	Input	Rated	Cooling/Heating		kW	0.250 (0.230) / 0.230		0.360 (0.340) / 0.340		0.390 (0.370) / 0.370	
	Operating Current(max)				A	2.65		2.76		2.78	
	Dimensions		Height		mm	250		250		250	
			Width		mm	1400		1400		1600	
			Depth		mm	732		732		732	
	Weight				kg	39(38)		40(39)		44(43)	
	Air Volume		Low		m^3/min.	24.0		29.5		32.0	
			Mid2		m^3/min.	-		-		-	
			Mid		m^3/min.	29.0		35.5		39.0	
			Hi		m^3/min.	34.0		42.0		46.0	
	External Static Pressure				Pa	35 / 50 / 70 / 100 / 150					
	Sound Level (SPL)		Low		dB(A)	29		33		34	
			Mid2		dB(A)	-		-		-	
			Mid		dB(A)	34		36		38	
			Hi		dB(A)	38		40		43	
	Sound Level (PWL)	Cooling				62		66		67	
Outdoor Unit	Dimensions		Height		mm	981		981		981	
			Width		mm	1050		1050		1050	
			Depth		mm	330 (+40)		330 (+40)		330 (+40)	
	Weight				kg	76	78	84	85	84	85
	Air Volume	Cooling	Rated		m^3/min.	79		86		86	
		Heating	Rated		m^3/min.	79		92		92	
	Sound Level (SPL)	Cooling	Rated		dB(A)	51		54		55	
			Silent		dB(A)	46		47		47	
		Heating	Rated		dB(A)	54		56		57	
	Sound Level (PWL)	Cooling				70		72		73	
	Operating Current(max)				A	20	11.5	26.5	11.5	30	11.5
	Breaker Size				A	32	16	32	16	40	16
Ext. Piping	Diameter	Liquid			mm	9.52		9.52		9.52	
		Gas			mm	15.88		15.88		15.88	
	Max. Length	Out-In			m	55		65		65	
	Max. Height	Out-In		Below Indoor	m	30		30		30	
				Above Indoor	m	30		30		30	
Guranteed Operation Range	Out	Cooling		Upper Limit.	°C	46		46		46	
				Lower Limit.	°C	-15*		-15*		-15*	
		Heating		Upper Limit.	°C	21		21		21	
				Lower Limit.	°C	-15		-15		-15	

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model / Name					PEA-M200LA	PEA-M250LA
	Indoor Unit					
	Outdoor Unit				PUZ-M200YKA	PUZ-M250YKA
Power Supply				Source	Indoor / Outdoor separate power supply	
	Out			V	400	400
				Phase	3	3
				Hz	50	50
	In			V	230	230
				Phase	single	single
				Hz	50	50
Refrigerant					R32	R32
Cooling	Capacity	Rated		kW	19.0	22.0
		Max.		kW	22.4	27.0
		Min.		kW	9.2	9.9
	SHF	Rated			0.80	0.79
	Total Input	Rated		kW	6.089	7.333
	EER				3.12	3.00
	Annual Electricity Consumption			kWh/a	-	-
	SEER				-	-
		Energy efficiency class			-	-
Heating	Capacity	Rated		kW	22.4	27.0
		Max.		kW	25.0	31.0
		Min.		kW	6.8	7.3
	Total Input	Rated		kW	6.588	8.181
	COP				3.40	3.30
	Annual Electricity Consumption			kWh/a	-	-
	SCOP				-	-
		Energy efficiency class			-	-
Operating Current(max)				A	25.7	25.9
Indoor Unit	Input	Rated	Cooling/Heating	kW	0.35 / 0.35	0.53 / 0.53
	Operating Current(max)			A	3.1	3.4
	Dimensions		Height	mm	470	470
			Width	mm	1370	1370
			Depth	mm	1120	1120
	Weight			kg	87	87
	Air Volume (Low-Mid-Hi)			m^3/min.	42 - 51 - 60 (60Pa - 150Pa) 42 - 51 - 55 (200Pa)	50 - 61 - 72 (60Pa - 100Pa) 45 - 55 - 65 (150Pa) 45 - 50 - 55 (200Pa)
	External Static Pressure			Pa	(60) / 75 / (100) / (150) / (200)	
	Sound Level *1 (SPL)		Low	dB(A)	35	38
			Mid	dB(A)	40	43
			Hi	dB(A)	43	47
	Sound Level *1 (PWL)		Low	dB(A)	63	67
			Mid	dB(A)	64	67
			Hi	dB(A)	64	68
Outdoor Unit	Dimensions		Height	mm	1338	1338
			Width	mm	1050	1050
			Depth	mm	330 (+40)	330 (+40)
	Weight			kg	129	138
	Air Volume	Cooling	Rated	m^3/min.	140	140
		Heating	Rated	m^3/min.	140	140
	Sound Level (SPL)	Cooling	Rated	dB(A)	58	59
			Silent	dB(A)	-	-
		Heating	Rated	dB(A)	60	62
	Sound Level (PWL)	Cooling			78	77
	Operating Current(max)			A	22.5	22.5
	Breaker Size			A	32	32
Ext. Piping	Diameter	Liquid		mm	9.52	12.7
		Gas		mm	25.4	25.4
	Max. Length	Out-In		m	70	70
	Max. Height	Out-In	Below Indoor	m	30	30
			Above Indoor	m	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46
			Lower Limit.	°C	-15 *2	-15 *2
		Heating	Upper Limit.	°C	21	21
			Lower Limit.	°C	-20	-20

*1 The values are measured at the factory setting of external static pressure.
*2 Optional air protection guide is required where ambient temperature is lower than -5°C.

3. Economy Inverter SERIES

Model Name	Indoor Unit				PEAD-SM71JA(L)
	Outdoor Unit				SUZ-SM71VA
Power Supply				Source	Outdoor power supply
	Out			V	230
				Phase	Single
				Hz	50
	In			V	-
				Phase	-
				Hz	-
Refrigerant					R32
Cooling	Capacity	Rated		kW	7.1
		Max.		kW	8.1
		Min.		kW	2.2
	SHF	Rated			0.83
	Total Input	Rated		kW	2.08(2.08)
	EER				3.41(3.41)
	Annual Electricity Consumption			kWh/a	451(451)
	SEER				5.5(5.5)
		Energy efficiency class			A(A)
Heating	Capacity	Rated		kW	8.0
		Max.		kW	10.2
		Min.		kW	2.0
	Total Input	Rated		kW	2.21(2.21)
	COP				3.61(3.61)
	Annual Electricity Consumption			kWh/a	2080
	SCOP				3.9(3.9)
		Energy efficiency class			A(A)
Operating Current(max)				A	16.8
Indoor Unit	Input	Rated	Cooling/ Heating	kW	0.170 (0.150) / 0.150
	Operating Current(max)			A	1.97
	Dimensions		Height	mm	250
			Width	mm	1100
			Depth	mm	732
	Weight			kg	33 (32)
	Air Volume		Low	m³/min.	17.5
			Mid2	m³/min.	-
			Mid	m³/min.	21.0
			Hi	m³/min.	25.0
	External Static Pressure			Pa	35/50/70/100/150
	Sound Level (SPL)		Low	dB(A)	26
			Mid2	dB(A)	-
			Mid	dB(A)	30
			Hi	dB(A)	34
	Sound Level (PWL)	Cooling			58
Outdoor Unit	Dimensions		Height	mm	880
			Width	mm	840
			Depth	mm	330
	Weight			kg	55
	Air Volume	Cooling	Rated	m³/min.	50.1
		Heating	Rated	m³/min.	50.1
	Sound Level (SPL)	Cooling	Rated	dB(A)	49
			Silent	dB(A)	-
		Heating	Rated	dB(A)	51
	Sound Level (PWL)	Cooling			66
	Operating Current(max)			A	14.8
	Breaker Size			A	20
Ext. Piping	Diameter	Liquid		mm	9.52
		Gas		mm	15.88
	Max. Length	Out-In		m	30
	Max. Height	Out-In	Below Indoor	m	30
			Above Indoor	m	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46
			Lower Limit.	°C	-15
		Heating	Upper Limit.	°C	24
			Lower Limit.	°C	-10

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit					PEAD-SM100JA(L)		PEAD-SM125JA(L)		PEAD-SM140JA(L)	
	Outdoor Unit					PUZ-SM100VKA	PUZ-SM100YKA	PUZ-SM125VKA	PUZ-SM125YKA	PUZ-SM140VKA	PUZ-SM140YKA
Power Supply					Source	Outdoor power supply					
	Out				V	230	400	230	400	230	400
					Phase	Single	3	Single	3	Single	3
					Hz	50		50		50	
	In				V	-		-		-	
					Phase	-		-		-	
					Hz	-		-		-	
Refrigerant						R32		R32		R32	
Cooling	Capacity	Rated			kW	9.5		12.1		13.4	
		Max.			kW	10.6		13.0		14.1	
		Min.			kW	4.0		6.0		6.1	
	SHF	Rated				0.83		0.83		0.83	
	Total Input	Rated			kW	2.95		4.17		4.96	
	EER					3.21		2.90		2.70	
	Annual Electricity Consumption				kWh/a	626		-	-	-	-
	SEER					5.3		-	-	-	-
		Energy efficiency class				A		-	-	-	-
Heating	Capacity	Rated			kW	11.2		13.5		15.0	
		Max.			kW	12.5		15.0		15.8	
		Min.			kW	2.8		4.1		4.2	
	Total Input	Rated			kW	3.02		3.85		4.28	
	COP					3.70		3.50		3.50	
	Annual Electricity Consumption				kWh/a	2865		-	-	-	-
	SCOP					3.9		-	-	-	-
		Energy efficiency class				A		-	-	-	-
Operating Current(max)					A	22.7	14.2	29.3	14.3	32.8	14.3
Indoor Unit	Input	Rated	Cooling/ Heating		kW	0.250 (0.230) / 0.230		0.360 (0.340) / 0.340		0.390 (0.370) / 0.370	
	Operating Current(max)				A	2.65		2.76		2.78	
	Dimensions		Height		mm	250		250		250	
			Width		mm	1400		1400		1600	
			Depth		mm	732		732		732	
	Weight				kg	39(38)		40(39)		44(43)	
	Air Volume		Low		m³/min.	24.0		29.5		32.0	
			Mid2		m³/min.	-		-		-	
			Mid		m³/min.	29.0		35.5		39.0	
			Hi		m³/min.	34.0		42.0		46.0	
	External Static Pressure				Pa	35 / 50 / 70 / 100 / 150					
	Sound Level (SPL)		Low		dB(A)	29		33		34	
			Mid2		dB(A)	-		-		-	
			Mid		dB(A)	34		36		38	
			Hi		dB(A)	38		40		43	
	Sound Level (PWL)	Cooling				62		66		67	
Outdoor Unit	Dimensions		Height		mm	981		981		981	
			Width		mm	1050		1050		1050	
			Depth		mm	330(+40)		330(+40)		330(+40)	
	Weight				kg	76	78	84	85	84	85
	Air Volume	Cooling	Rated		m³/min.	79		86		86	
		Heating	Rated		m³/min.	79		92		92	
	Sound Level (SPL)	Cooling	Rated		dB(A)	51		54		55	
			Silent		dB(A)	49		52		54	
		Heating	Rated		dB(A)	54		56		57	
	Sound Level (PWL)	Cooling				70		72		73	
	Operating Current(max)				A	20	11.5	26.5	11.5	30	11.5
	Breaker Size				A	32	16	32	16	40	16
Ext. Piping	Diameter	Liquid			mm	9.52		9.52		9.52	
		Gas			mm	15.88		15.88		15.88	
	Max. Length	Out-In			m	30		40		40	
	Max. Height	Out-In	Below Indoor		m	30		30		30	
			Above Indoor		m	30		30		30	
Guranteed Operation Range	Out	Cooling	Upper Limit.		°C	46		46		46	
			Lower Limit.		°C	-15*		-15*		-15*	
		Heating	Upper Limit.		°C	21		21		21	
			Lower Limit.		°C	-15		-15		-15	

* Optional air protection guide is required where ambient temperature is lower than -5°C.

A.6.1.2 R410A type
1. ZUBADAN SERIES

Model Name	Indoor Unit				PEAD-M100JA(L)	PEAD-M100JA(L)	PEAD-M125JA(L)
	Outdoor Unit				PUHZ-SHW112VHA(-BS)	PUHZ-SHW112YHA(-BS)	PUHZ-SHW140YHA(-BS)
Power Supply				Source	Outdoor power supply		
	Out			V	230	400	400
				Phase	Single	3	3
				Hz	50	50	50
	In			V	-	-	-
				Phase	-	-	-
				Hz	-	-	-
Refrigerant					R410A	R410A	R410A
Cooling	Capacity	Rated		kW	10.0	10.0	12.5
		Max.		kW	11.4	11.4	14.0
		Min.		kW	4.9	4.9	5.5
	SHF	Rated			0.89	0.89	0.84
	Total Input	Rated		kW	2.924 (2.904)	2.924 (2.904)	3.895 (3.875)
	EER				3.40 (3.44)	3.40 (3.44)	3.21 (3.22)
	Annual Electricity Consumption			kWh/a	729(714)	729(714)	-
	SEER				4.8(4.9)	4.8(4.9)	-
		Energy efficiency class			B(A)	B(A)	-
Heating	Capacity	Rated		kW	11.2	11.2	14.0
		Max.		kW	14.0	14.0	16.0
		Min.		kW	4.5	4.5	5.0
	Total Input	Rated		kW	3.103	3.103	3.879
	COP				3.61	3.61	3.61
	Annual Electricity Consumption			kWh/a	4664	4664	6072
	SCOP				3.8	3.8	-
		Energy efficiency class			A	A	-
Operating Current(max)				A	37.7	15.7	15.8
Indoor Unit	Input	Rated	Cooling/ Heating	kW	0.25 (0.23) / 0.23	0.25 (0.23) / 0.23	0.36 (0.34) / 0.34
	Operating Current(max)			A	2.65	2.65	2.76
	Dimensions		Height	mm	250	250	250
			Width	mm	1400	1400	1400
			Depth	mm	732	732	732
	Weight			kg	39(38)	39(38)	40(39)
	Air Volume		Low	m³/min.	24.0	24.0	29.5
			Mid2	m³/min.	-	-	-
			Mid	m³/min.	29.0	29.0	35.5
			Hi	m³/min.	34.0	34.0	42.0
	External Static Pressure			Pa	35 / 50 / 70 / 100 / 150		
	Sound Level (SPL)		Low	dB(A)	29	29	33
			Mid2	dB(A)	-	-	-
			Mid	dB(A)	34	34	36
			Hi	dB(A)	38	38	40
	Sound Level (PWL)	Cooling			62	62	66
Outdoor Unit	Dimensions		Height	mm	1350	1350	1350
			Width	mm	950	950	950
			Depth	mm	330 (+30)	330 (+30)	330 (+30)
	Weight			kg	120	134	134
	Air Volume	Cooling	Rated	m³/min.	100.0	100.0	100.0
		Heating	Rated	m³/min.	100.0	100.0	100.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	51	51	51
			Silent	dB(A)	48	48	48
		Heating	Rated	dB(A)	52	52	52
	Sound Level (PWL)	Cooling			69	69	69
	Operating Current(max)			A	35.0	13.0	13.0
	Breaker Size			A	40	16	16
Ext. Piping	Diameter	Liquid		mm	9.52	9.52	9.52
		Gas		mm	15.88	15.88	15.88
	Max. Length	Out-In		m	75	75	75
	Max. Height	Out-In	Below Indoor	m	30	30	30
			Above Indoor	m	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21
			Lower Limit.	°C	-25	-25	-25

* Optional air protection guide is required where ambient temperature is lower than -5°C.

2. Power Inverter SERIES

Model Name	Indoor Unit				PEAD-M35JA(L)	PEAD-M50JA(L)	PEAD-M60JA(L)	PEAD-M71JA(L)
	Outdoor Unit				PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2
Power Supply				Source	Outdoor power supply			
	Out			V	230	230	230	230
				Phase	Single	Single	Single	Single
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	3.6	5.0	6.1	7.1
		Max.		kW	4.5	5.6	6.7	8.1
		Min.		kW	1.6	2.3	2.7	3.3
	SHF	Rated			0.85	0.84	0.83	0.83
	Total Input	Rated		kW	0.89 (0.87)	1.44 (1.42)	1.65 (1.63)	2.01 (1.99)
	EER				4.04 (4.14)	3.47 (3.52)	3.70 (3.74)	3.53 (3.57)
	Annual Electricity Consumption			kWh/a	221 (205)	304 (288)	355 (340)	428 (411)
	SEER				5.7 (6.1)	5.7 (6.0)	6.0 (6.2)	5.8 (6.0)
		Energy efficiency class			A+ (A++)	A+ (A+)	A+ (A++)	A+ (A+)
Heating	Capacity	Rated		kW	4.1	6.0	7.0	8.0
		Max.		kW	5.2	7.3	8.2	10.2
		Min.		kW	1.6	2.5	2.8	3.5
	Total Input	Rated		kW	0.95	1.50	1.79	2.03
	COP				4.32	4.0	3.91	3.94
	Annual Electricity Consumption			kWh/a	839	1231	1513	1762
	SCOP				4.0	4.3	4.1	3.9
		Energy efficiency class			A+	A+	A+	A
Operating Current(max)				A	14.1	14.4	20.6	21.0
Indoor Unit	Input	Rated	Cooling/ Heating	kW	0.090 (0.070) / 0.070	0.110 (0.090) / 0.090	0.120 (0.100) / 0.100	0.170 (0.150) / 0.150
	Operating Current(max)			A	1.07	1.39	1.62	1.97
	Dimensions		Height	mm	250	250	250	250
			Width	mm	900	900	1100	1100
			Depth	mm	732	732	732	732
	Weight			kg	26(25)	27(26)	30(29)	30(29)
	Air Volume		Low	m³/min.	10.0	12.0	14.5	17.5
			Mid2	m³/min.	-	-	-	-
			Mid	m³/min.	12.0	14.5	18.0	21.0
			Hi	m³/min.	14.0	17.0	21.0	25.0
	External Static Pressure			Pa	35 / 50 / 70 / 100 / 150			
	Sound Level (SPL)		Low	dB(A)	23	26	25	26
			Mid2	dB(A)	-	-	-	-
			Mid	dB(A)	27	31	29	30
			Hi	dB(A)	30	35	33	34
	Sound Level (PWL)	Cooling			54	59	55	58
Outdoor Unit	Dimensions		Height	mm	630	630	943	943
			Width	mm	809	809	950	950
			Depth	mm	300 (+23)	300 (+23)	330 (+30)	330 (+30)
	Weight			kg	43	46	70	70
	Air Volume	Cooling	Rated	m³/min.	45.0	45.0	55.0	55.0
		Heating	Rated	m³/min.	45.0	45.0	55.0	55.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	44	44	47	47
			Silent	dB(A)	41	41	44	44
		Heating	Rated	dB(A)	46	46	48	48
	Sound Level (PWL)	Cooling			65	65	67	67
	Operating Current(max)			A	13.0	13.0	19.0	19.0
	Breaker Size			A	16	16	25	25
Ext. Piping	Diameter	Liquid		mm	6.35	6.35	9.52	9.52
		Gas		mm	12.7	12.7	15.88	15.88
	Max. Length	Out-In		m	50	50	50	50
	Max. Height	Out-In	Below Indoor	m	30	30	30	30
			Above Indoor	m	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-15*	-15*	-15*	-15*
		Heating	Upper Limit.	°C	21	21	21	21
			Lower Limit.	°C	-11	-11	-20	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model / Name	Indoor Unit				PEAD-M100JA(L)		PEAD-M125JA(L)		PEAD-M140JA(L)	
	Outdoor Unit				PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3	PUHZ-ZRP125VKA3	PUHZ-ZRP125YKA3	PUHZ-ZRP140VKA3	PUHZ-ZRP140YKA3
Power Supply				Source	Outdoor power supply					
	Out			V	230	400	230	400	230	400
				Phase	Single	3	Single	3	Single	3
				Hz	50	50	50	50	50	50
	In			V	-	-	-	-	-	-
				Phase	-	-	-	-	-	-
				Hz	-	-	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	9.5		12.5		13.4	
		Max.		kW	11.4		14.0		15.3	
		Min.		kW	4.9		5.5		6.2	
	SHF	Rated			0.82		0.84		0.84	
	Total Input	Rated		kW	2.43 (2.41)		3.86 (3.83)		4.32 (4.29)	
	EER				3.91 (3.94)		3.24 (3.26)		3.10 (3.12)	
	Annual Electricity Consumption			kWh/a	554 (543)	565 (554)	-	-	-	-
	SEER				6.0 (6.1)	5.8 (6.0)	-	-	-	-
		Energy efficiency class			A+ (A++)	A+ (A+)	-	-	-	-
Heating	Capacity	Rated		kW	11.2		14.0		16.0	
		Max.		kW	14.0		16.0		18.0	
		Min.		kW	4.5		5.0		5.7	
	Total Input	Rated		kW	2.60		3.51		4.07	
	COP				4.31		3.99		3.93	
	Annual Electricity Consumption			kWh/a	2627	2627	-	-	-	-
	SCOP				4.2	4.2	-	-	-	-
		Energy efficiency class			A+	A+	-	-	-	-
Operating Current(max)				A	29.2	10.7	29.3	12.3	30.8	15.8
Indoor Unit	Input	Rated	Cooling/ Heating	kW	0.250 (0.230) / 0.230		0.360 (0.340) / 0.340		0.390 (0.370) / 0.370	
	Operating Current(max)			A	2.65		2.76		2.78	
	Dimensions		Height	mm	250		250		250	
			Width	mm	1400		1400		1600	
			Depth	mm	732		732		732	
	Weight			kg	39(38)		40(39)		44(43)	
	Air Volume		Low	m³/min.	24.0		29.5		32.0	
			Mid2	m³/min.	-		-		-	
			Mid	m³/min.	29.0		35.5		39.0	
			Hi	m³/min.	34.0		42.0		46.0	
	External Static Pressure			Pa	35 / 50 / 70 / 100 / 150					
	Sound Level (SPL)		Low	dB(A)	29		33		34	
			Mid2	dB(A)	-		-		-	
			Mid	dB(A)	34		36		38	
			Hi	dB(A)	38		40		43	
	Sound Level (PWL)	Cooling			62		66		67	
Outdoor Unit	Dimensions		Height	mm	1338		1338		1338	
			Width	mm	1050		1050		1050	
			Depth	mm	330 (+40)		330 (+40)		330 (+40)	
	Weight			kg	116	123	116	125	118	131
	Air Volume	Cooling	Rated	m³/min.	110.0		120.0		120.0	
		Heating	Rated	m³/min.	110.0		120.0		120.0	
	Sound Level (SPL)	Cooling	Rated	dB(A)	49		50		50	
			Silent	dB(A)	46		47		47	
		Heating	Rated	dB(A)	51		52		52	
	Sound Level (PWL)	Cooling			69		70		70	
	Operating Current(max)			A	26.5	8.0	26.5	9.5	28.0	13.0
	Breaker Size			A	32	16	32	16	40	16
Ext. Piping	Diameter	Liquid		mm	9.52		9.52		9.52	
		Gas		mm	15.88		15.88		15.88	
	Max. Length	Out-In		m	75		75		75	
	Max. Height	Out-In	Below Indoor	m	30		30		30	
			Above Indoor	m	30		30		30	
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46		46		46	
			Lower Limit.	°C	-15*		-15*		-15*	
		Heating	Upper Limit.	°C	21		21		21	
			Lower Limit.	°C	-20		-20		-20	

* Optional air protection guide is required where ambient temperature is lower than -5°C.

3. Standard Inverter SERIES

Model Name	Indoor Unit				PEAD-M35JA(L)	PEAD-M50JA(L)	PEAD-M60JA(L)	PEAD-M71JA(L)
	Outdoor Unit				SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6
Power Supply				Source	Outdoor power supply			
	Out			V	230	230	230	230
				Phase	Single	Single	Single	Single
				Hz	50	50	50	50
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	3.6	4.9	5.7	7.1
		Max.		kW	3.9	5.6	6.3	8.1
		Min.		kW	1.4	2.3	2.3	2.8
	SHF	Rated			0.85	0.85	0.86	0.83
	Total Input	Rated		kW	1.050 (1.030)	1.480 (1.460)	1.670 (1.650)	2.080 (2.060)
	EER				3.42 (3.49)	3.31 (3.36)	3.41 (3.45)	3.41 (3.45)
	Annual Electricity Consumption			kWh/a	222 (210)	302 (290)	337 (325)	408 (396)
	SEER				5.6 (6.0)	5.6 (5.9)	5.9 (6.1)	6.1 (6.2)
		Energy efficiency class			A+ (A+)	A+ (A+)	A+ (A++)	A++ (A++)
Heating	Capacity	Rated		kW	4.1	5.9	7.0	8.0
		Max.		kW	5.0	7.2	8.0	10.2
		Min.		kW	1.7	1.7	2.5	2.6
	Total Input	Rated		kW	1.110	1.620	1.930	2.040
	COP				3.69	3.64	3.70	3.92
	Annual Electricity Consumption			kWh/a	980	1468	1569	2153
	SCOP				4.0	4.2	4.0	3.9
		Energy efficiency class			A+	A+	A+	A
Operating Current(max)				A	9.3	13.4	15.6	18.1
Indoor Unit	Input	Rated	Cooling/ Heating	kW	0.090 (0.070) / 0.070	0.110 (0.090) / 0.090	0.120 (0.100) / 0.100	0.170 (0.150) / 0.150
	Operating Current(max)			A	1.07	1.39	1.62	1.97
	Dimensions		Height	mm	250	250	250	250
			Width	mm	900	900	1100	1100
			Depth	mm	732	732	732	732
	Weight			kg	26 (25)	27 (26)	30 (29)	30 (29)
	Air Volume		Low	m³/min.	10.0	12.0	14.5	17.5
			Mid2	m³/min.	-	-	-	-
			Mid	m³/min.	12.0	14.5	18.0	21.0
			Hi	m³/min.	14.0	17.0	21.0	25.0
	External Static Pressure			Pa	35 / 50 / 70 / 100 / 150			
	Sound Level (SPL)		Low	dB(A)	23	26	25	26
			Mid2	dB(A)	-	-	-	-
			Mid	dB(A)	27	31	29	30
			Hi	dB(A)	30	35	33	34
	Sound Level (PWL)	Cooling			54	59	55	58
Outdoor Unit	Dimensions		Height	mm	550	880	880	880
			Width	mm	800	840	840	840
			Depth	mm	285	330	330	330
	Weight			kg	35	54	50	53
	Air Volume	Cooling	Rated	m³/min.	36.3	44.6	40.9	50.1
		Heating	Rated	m³/min.	34.8	44.6	49.2	48.2
	Sound Level (SPL)	Cooling	Rated	dB(A)	49	52	55	55
			Silent	dB(A)	-	-	-	-
		Heating	Rated	dB(A)	50	52	55	55
	Sound Level (PWL)	Cooling			62	65	65	69
	Operating Current(max)			A	8.2	12.0	14.0	16.1
	Breaker Size			A	10	20	20	20
Ext. Piping	Diameter	Liquid		mm	6.35	6.35	6.35	9.52
		Gas		mm	9.52	12.7	15.88	15.88
	Max. Length	Out-In		m	20	30	30	30
	Max. Height	Out-In	Below Indoor	m	12	30	30	30
			Above Indoor	m	12	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-10	-15	-15	-15
		Heating	Upper Limit.	°C	24	24	24	24
			Lower Limit.	°C	-10	-10	-10	-10

Model Name	Indoor Unit				PEAD-M100JA(L)		PEAD-M125JA(L)		PEAD-M140JA(L)	
	Outdoor Unit				PUHZ-P100VKA	PUHZ-P100YKA	PUHZ-P125VKA	PUHZ-P125YKA	PUHZ-P140VKA	PUHZ-P140YKA
Power Supply				Source	Outdoor power supply					
	Out			V	230	400	230	400	230	400
				Phase	Single	3	Single	3	Single	3
				Hz	50		50		50	
	In			V	-		-		-	
				Phase	-		-		-	
				Hz	-		-		-	
Refrigerant					R410A		R410A		R410A	
Cooling	Capacity	Rated		kW	9.4		12.1		13.6	
		Max.		kW	10.6		13.0		14.1	
		Min.		kW	3.7		5.6		5.8	
	SHF	Rated			0.82		0.84		0.84	
	Total Input	Rated		kW	2.98		4.15		5.21	
	EER				3.15		2.91		2.61	
	Annual Electricity Consumption			kWh/a	664		-		-	
	SEER				5.1		-		-	
		Energy efficiency class			A		-		-	
Heating	Capacity	Rated		kW	11.2		13.5		15.0	
		Max.		kW	12.5		15.0		15.8	
		Min.		kW	2.8		4.8		4.9	
	Total Input	Rated		kW	2.93		3.73		4.27	
	COP				3.80		3.61		3.51	
	Annual Electricity Consumption			kWh/a	2793		-		-	
	SCOP				4.0		-		-	
		Energy efficiency class			A+		-		-	
Operating Current(max)				A	22.7	14.2	29.3	14.3	32.8	14.3
Indoor Unit	Input	Rated	Cooling/ Heating	kW	0.250 (0.230) / 0.230		0.360 (0.340) / 0.340		0.390 (0.370) / 0.370	
	Operating Current(max)			A	2.65		2.76		2.78	
	Dimensions		Height	mm	250		250		250	
			Width	mm	1400		1400		1600	
			Depth	mm	732		732		732	
	Weight			kg	39(38)		40(39)		44(43)	
	Air Volume		Low	m³/min.	24.0		29.5		32.0	
			Mid2	m³/min.	-		-		-	
			Mid	m³/min.	29.0		35.5		39.0	
			Hi	m³/min.	34.0		42.0		46.0	
	External Static Pressure			Pa	35 / 50 / 70 / 100 / 150					
	Sound Level (SPL)		Low	dB(A)	29		33		34	
			Mid2	dB(A)	-		-		-	
			Mid	dB(A)	34		36		38	
			Hi	dB(A)	38		40		43	
	Sound Level (PWL)	Cooling			62		66		67	
Outdoor Unit	Dimensions		Height	mm	981		981		981	
			Width	mm	1050		1050		1050	
			Depth	mm	330(+40)		330(+40)		330(+40)	
	Weight			kg	76	78	84	85	84	85
	Air Volume	Cooling	Rated	m³/min.	79		86		86	
		Heating	Rated	m³/min.	79		92		92	
	Sound Level (SPL)	Cooling	Rated	dB(A)	51		54		56	
			Silent	dB(A)	49		52		54	
		Heating	Rated	dB(A)	54		56		57	
	Sound Level (PWL)	Cooling			70		72		75	
	Operating Current(max)			A	20.0	11.5	26.5	11.5	30.0	11.5
	Breaker Size			A	32	16	32	16	40	16
Ext. Piping	Diameter	Liquid		mm	9.52		9.52		9.52	
		Gas		mm	15.88		15.88		15.88	
	Max. Length	Out-In		m	50		50		50	
	Max. Height	Out-In	Below Indoor	m	30		30		30	
			Above Indoor	m	30		30		30	
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46		46		46	
			Lower Limit.	°C	-15*		-15*		-15*	
		Heating	Upper Limit.	°C	21		21		21	
			Lower Limit.	°C	-15		-15		-15	

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PEA-M200LA	PEA-M250LA	PEA-M200LA	PEA-M250LA
	Outdoor Unit				PUHZ-ZRP200YKA3	PUHZ-ZRP250YKA3	PUHZ-P200YKA3	PUHZ-P250YKA3
Power Supply				Source	Indoor / outdoor separate power supply			
	Out			V	400	400	400	400
				Phase	3	3	3	3
				Hz	50	50	50	50
	In			V	230	230	230	230
				Phase	single	single	single	single
				Hz	50	50	50	50
Refrigerant					R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	19.0	22.0	19.0	22.0
		Max.		kW	22.4	27.0	22.4	27.0
		Min.		kW	9.0	11.2	9.0	11.2
	SHF	Rated			0.80	0.79	0.80	0.79
	Total Input	Rated		kW	5.937	7.971	6.188	8.058
	EER				3.20	2.76	3.07	2.73
	Annual Electricity Consumption			kWh/a	-	-	-	-
	SEER				-	-	-	-
		Energy efficiency class			-	-	-	-
Heating	Capacity	Rated		kW	22.4	27.0	22.4	27.0
		Max.		kW	25.0	31.0	25.0	31.0
		Min.		kW	9.5	12.5	9.5	12.5
	Total Input	Rated		kW	6.530	8.181	6.706	8.437
	COP				3.43	3.30	3.34	3.20
	Annual Electricity Consumption			kWh/a	-	-	-	-
	SCOP				-	-	-	-
		Energy efficiency class			-	-	-	-
Operating Current(max)				A	22.2	24.4	22.2	24.4
Indoor Unit	Input	Rated	Cooling/ Heating	kW	0.35 / 0.35	0.53 / 0.53	0.35 / 0.35	0.53 / 0.53
	Operating Current(max)			A	3.1	3.4	3.1	3.4
	Dimensions		Height	mm	470	470	470	470
			Width	mm	1370	1370	1370	1370
			Depth	mm	1120	1120	1120	1120
	Weight			kg	87	87	87	87
	Air Volume (Low-Mid-Hi)			m³/min.	42 - 51 - 60 (60Pa - 150Pa) 42 - 51 - 55 (200Pa)	50 - 61 - 72 (60Pa - 100Pa) 45 - 55 - 65 (150Pa) 45 - 50 - 55 (200Pa)	42 - 51 - 60 (60Pa - 150Pa) 42 - 51 - 55 (200Pa)	50 - 61 - 72 (60Pa - 100Pa) 45 - 55 - 65 (150Pa) 45 - 50 - 55 (200Pa)
	External Static Pressure			Pa	(60) / 75 / (100) / (150) / (200)			
	Sound Level *1 (SPL)		Low	dB(A)	35	38	35	38
			Mid	dB(A)	40	43	40	43
			Hi	dB(A)	43	47	43	47
	Sound Level *1 (PWL)		Low	dB(A)	63	67	63	67
			Mid	dB(A)	64	67	64	67
			Hi	dB(A)	64	68	64	68
Outdoor Unit	Dimensions		Height	mm	1338	1338	1338	1338
			Width	mm	1050	1050	1050	1050
			Depth	mm	330 (+40)	330 (+40)	330(+40)	330(+40)
	Weight			kg	135	135	127	135
	Air Volume	Cooling	Rated	m³/min.	140.0	140.0	140.0	140.0
		Heating	Rated	m³/min.	140.0	140.0	140.0	140.0
	Sound Level (SPL)	Cooling	Rated	dB(A)	59	59	58	59
			Silent	dB(A)	-	-	-	-
		Heating	Rated	dB(A)	62	62	60	62
	Sound Level (PWL)	Cooling			77	77	78	77
	Operating Current(max)			A	19.0	21.0	19.0	21.0
	Breaker Size			A	32	32	32	32
Ext. Piping	Diameter	Liquid		mm	9.52	12.7	9.52	12.7
		Gas		mm	25.4	25.4	25.4	25.4
	Max. Length	Out-In		m	100	100	70	70
	Max. Height	Out-In	Below Indoor	m	30	30	30	30
			Above Indoor	m	30	30	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46	46	46
			Lower Limit.	°C	-15 *2	-15 *2	-15 *2	-15 *2
		Heating	Upper Limit.	°C	21	21	21	21
			Lower Limit.	°C	-20	-20	-20	-20

*1 The values are measured at the factory setting of external static pressure.
*2 Optional air protection guide is required where ambient temperature is lower than -5°C.

4. Economy Inverter SERIES

Model Name	Indoor Unit				PEAD-SM71JA(L)	PEAD-SM100JA(L)
	Outdoor Unit				SUZ-SA71VA3	SUZ-SA100VA2
Power Supply				Source	Outdoor power supply	Outdoor power supply
	Out			V	230	230
				Phase	Single	Single
				Hz	50	50
	In			V	-	-
				Phase	-	-
				Hz	-	-
Refrigerant					R410A	R410
Cooling	Capacity	Rated		kW	7.1	9.4
		Max.		kW	8.1	9.9
		Min.		kW	3.2	5.0
	SHF	Rated			0.83	0.90
	Total Input	Rated		kW	2.35	3.12
	EER				3.02	3.01
	Annual Electricity Consumption			kWh/a	477	711
	SEER				5.2	4.6
		Energy efficiency class			(A)	(B)
Heating	Capacity	Rated		kW	8.0	11.2
		Max.		kW	8.9	11.5
		Min.		kW	3.5	5.1
	Total Input	Rated		kW	2.21	3.10
	COP				3.61	3.61
	Annual Electricity Consumption			kWh/a	2189	2927
	SCOP				3.8	3.8
		Energy efficiency class			(A)	(A)
Operating Current(max)				A	18.1	18.8
Indoor Unit	Input	Rated	Cooling/ Heating	kW	0.170 (0.150) / 0.150	0.250 (0.230) / 0.230
	Operating Current(max)			A	1.97	2.65
	Dimensions		Height	mm	250	250
			Width	mm	1100	1400
			Depth	mm	732	732
	Weight			kg	33 (32)	39 (38)
	Air Volume		Low	m³/min.	17.5	24.0
			Mid2	m³/min.	-	-
			Mid	m³/min.	21.0	29.0
			Hi	m³/min.	25.0	34.0
	External Static Pressure			Pa	35/50/70/100/150	35/50/70/100/125
	Sound Level (SPL)		Low	dB(A)	26	29
			Mid2	dB(A)	-	-
			Mid	dB(A)	30	34
			Hi	dB(A)	34	38
	Sound Level (PWL)	Cooling			58	62
Outdoor Unit	Dimensions		Height	mm	880	880
			Width	mm	840	840
			Depth	mm	330	330
	Weight			kg	52	56
	Air Volume	Cooling	Rated	m³/min.	50.1	53.6
		Heating	Rated	m³/min.	48.2	53.7
	Sound Level (SPL)	Cooling	Rated	dB(A)	55	55
			Silent	dB(A)	-	-
		Heating	Rated	dB(A)	55	55
	Sound Level (PWL)	Cooling			69	69
	Operating Current(max)			A	16.1	16.1
	Breaker Size			A	20	20
Ext. Piping	Diameter	Liquid		mm	9.52	9.52
		Gas		mm	15.88	15.88
	Max. Length	Out-In		m	30	30
	Max. Height	Out-In	Below Indoor	m	30	30
			Above Indoor	m	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46	46
			Lower Limit.	°C	-10	-10
		Heating	Upper Limit.	°C	24	24
			Lower Limit.	°C	-10	-10

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit					PEAD-SM100JA(L)	PEAD-SM125JA(L)		PEAD-SM140JA(L)	
	Outdoor Unit					PUHZ-SP100YKA	PUHZ-SP125VKA	PUHZ-SP125YKA	PUHZ-SP140VKA	PUHZ-SP140YKA
Power Supply					Source	Outdoor power supply				
	Out				V	400	230	400	230	400
					Phase	3	Single	3	Single	3
					Hz	50	50		50	
	In				V	-	-		-	
					Phase	-	-		-	
					Hz	-	-		-	
Refrigerant						R410A	R410A		R410A	
Cooling	Capacity	Rated			kW	9.4	12.1		13.6	
		Max.			kW	10.6	13.0		14.1	
		Min.			kW	3.7	5.6		5.8	
	SHF	Rated				0.82	0.84		0.84	
	Total Input	Rated			kW	3.08	4.30		5.40	
	EER					3.05	2.81		2.51	
	Annual Electricity Consumption				kWh/a	712	-	-	-	-
	SEER					4.6	-	-	-	-
		Energy efficiency class				B	-	-	-	-
Heating	Capacity	Rated			kW	11.2	13.5		15.0	
		Max.			kW	12.5	15.0		15.8	
		Min.			kW	2.8	4.8		4.9	
	Total Input	Rated			kW	3.02	3.84		4.39	
	COP					3.70	3.51		3.41	
	Annual Electricity Consumption				kWh/a	2937	-	-	-	-
	SCOP					3.8	-	-	-	-
		Energy efficiency class				A	-	-	-	-
Operating Current(max)					A	14.2	29.3	14.3	32.8	14.3
Indoor Unit	Input	Rated	Cooling/ Heating		kW	0.25 (0.23) / 0.23	0.360 (0.340) / 0.340		0.390 (0.370) / 0.370	
	Operating Current(max)				A	2.65	2.76		2.78	
	Dimensions		Height		mm	250	250		250	
			Width		mm	1400	1400		1600	
			Depth		mm	732	732		732	
	Weight				kg	39(38)	40(39)		44(43)	
	Air Volume		Low		m³/min.	24.0	29.5		32.0	
			Mid2		m³/min.	-	-		-	
			Mid		m³/min.	29.0	35.5		39.0	
			Hi		m³/min.	34.0	42.0		46.0	
	External Static Pressure				Pa	35 / 50 / 70 / 100 / 150				
	Sound Level (SPL)		Low		dB(A)	29	33		34	
			Mid2		dB(A)	-	-		-	
			Mid		dB(A)	34	36		38	
			Hi		dB(A)	38	40		43	
	Sound Level (PWL)	Cooling				62	66	66	67	67
Outdoor Unit	Dimensions		Height		mm	981	981		981	
			Width		mm	1050	1050		1050	
			Depth		mm	330(+40)	330(+40)		330(+40)	
	Weight				kg	78	84	85	84	85
	Air Volume	Cooling	Rated		m³/min.	79	86		86	
		Heating	Rated		m³/min.	79	92		92	
	Sound Level (SPL)	Cooling	Rated		dB(A)	51	54		56	
			Silent		dB(A)	49	52		54	
		Heating	Rated		dB(A)	54	56		57	
	Sound Level (PWL)	Cooling				70	72	72	75	75
	Operating Current(max)				A	11.5	26.5	11.5	30	11.5
	Breaker Size				A	16	32	16	40	16
Ext. Piping	Diameter	Liquid			mm	9.52	9.52		9.52	
		Gas			mm	15.88	15.88		15.88	
	Max. Length	Out-In			m	30	40		40	
	Max. Height	Out-In	Below Indoor		m	30	30		30	
			Above Indoor		m	30	30		30	
Guranteed Operation Range	Out	Cooling	Upper Limit.		°C	46	46		46	
			Lower Limit.		°C	-15*	-15*		-15*	
		Heating	Upper Limit.		°C	21	21		21	
			Lower Limit.		°C	-15	-15		-15	

* Optional air protection guide is required where ambient temperature is lower than -5°C.

5. Mr.Slim+

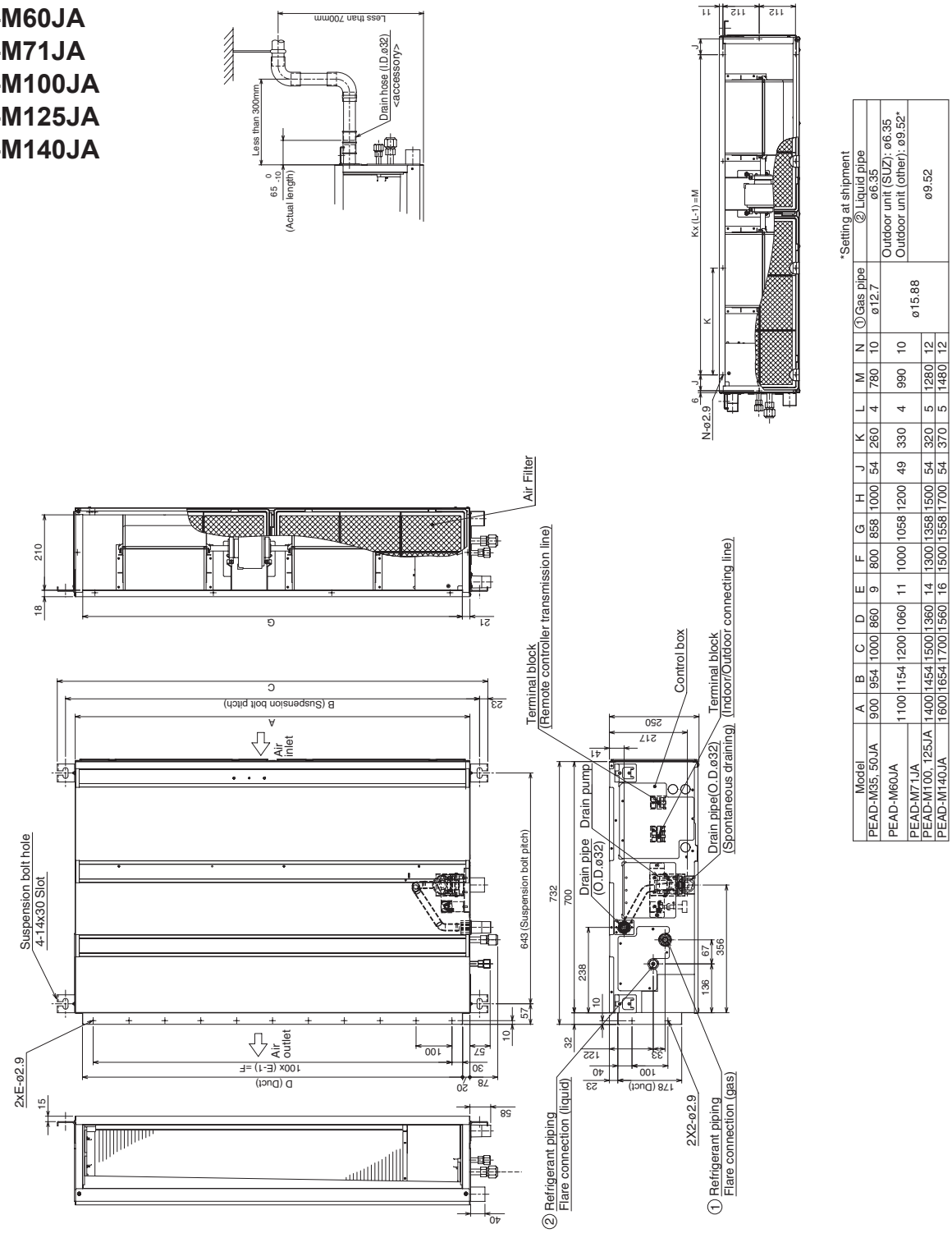
Model Name	Indoor Unit				PEAD-M71JA(L)
	Outdoor Unit				PUHZ-FRP71VHA2
Power Supply				Source	Outdoor power supply
	Out			V	230
				Phase	Single
				Hz	50
	In			V	-
				Phase	-
				Hz	-
Refrigerant					R410A
Cooling	Capacity	Rated		kW	7.1
		Max.		kW	8.1
		Min.		kW	3.3
	SHF	Rated			-
	Total Input	Rated		kW	2.10 (2.04)
	EER				3.38 (3.48)
	Annual Electricity Consumption			kWh/a	444 (427)
	SEER				5.5 (5.8)
		Energy efficiency class			A (A+)
Heating	Capacity	Rated		kW	8.0
		Max.		kW	10.2
		Min.		kW	3.5
	Total Input	Rated		kW	2.11
	COP				3.79
	Annual Electricity Consumption			kWh/a	1791
	SCOP				3.8
		Energy efficiency class			A
Operating Current(max)				A	19.0
Indoor Unit	Input	Rated [Cooling/Heating]		kW	0.170 (0.150)/0.150
	Operating Current(max)			A	1.97
	Dimensions		Height	mm	250
			Width	mm	1100
			Depth	mm	732
	Weight			kg	30 (29)
	Air Volume		Low	m³/min.	17.5
			Mid2	m³/min.	-
			Mid	m³/min.	21.0
			Hi	m³/min.	25.0
	External Static Pressure			Pa	35/50/70/100/150
	Sound Level (SPL)		Low	dB(A)	26
			Mid2	dB(A)	-
			Mid	dB(A)	30
			Hi	dB(A)	34
	Sound Level (PWL)	Cooling			58
Outdoor Unit	Dimensions		Height	mm	943
			Width	mm	950
			Depth	mm	330 (+30)
	Weight			kg	73
	Air Volume	Cooling	Rated	m³/min.	50
		Heating	Rated	m³/min.	50
	Sound Level (SPL)	Cooling	Rated	dB(A)	47
			Silent	dB(A)	-
		Heating	Rated	dB(A)	49
	Sound Level (PWL)	Cooling			67
	Operating Current(max)			A	19.0
	Breaker Size			A	25
Ext. Piping	Diameter	Liquid		mm	9.52
		Gas		mm	15.88
	Max. Length	Out-In		m	60
	Max. Height	Out-In	Below Indoor	m	20
			Above Indoor	m	20
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	46
			Lower Limit.	°C	-15*
		Heating	Upper Limit.	°C	21
			Lower Limit.	°C	-20

* Optional air protection guide is required where ambient temperature is lower than -5°C.

A.6.2 OUTLINES AND DIMENSIONS

PEAD-M35JA
PEAD-M50JA
PEAD-M60JA
PEAD-M71JA
PEAD-M100JA
PEAD-M125JA
PEAD-M140JA

Unit : mm

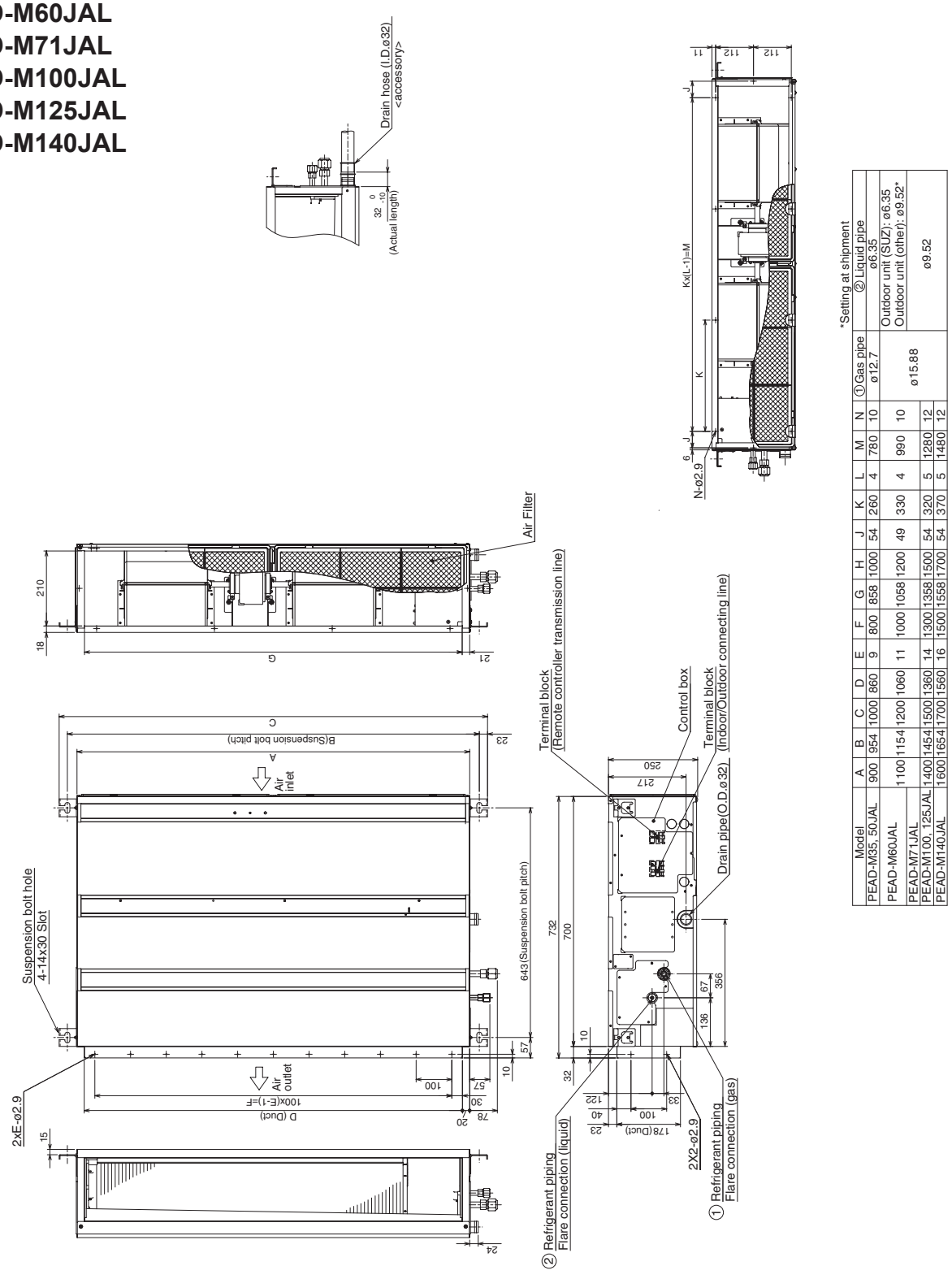


Model	A	B	C	D	E	F	G	H	J	K	L	M	N	① Gas pipe	② Liquid pipe
PEAD-M35, 50JA	900	954	1000	860	9	800	858	1000	54	260	4	780	10	ø12.7	ø6.35
PEAD-M60JA	1100	1154	1200	1060	11	1000	1058	1200	49	330	4	990	10	ø15.88	Outdoor unit (SUZ): ø6.35 Outdoor unit (other): ø9.52*
PEAD-M71JA															
PEAD-M100, 125JA	1400	1454	1500	1360	14	1300	1358	1500	54	320	5	1280	12		ø9.52
PEAD-M140JA	1600	1654	1700	1560	16	1500	1558	1700	54	370	5	1480	12		

NOTE 1. Use M10 screw for the Suspension bolt (field supply).
2. Keep the service space for the maintenance at the bottom.
3. This chart indicates for PEAD-M60, 71, 100, 125, 140JA models,which have 2 fans. PEAD-M35, 50JA models have 1 fan.
4. In case of the inlet duct is used,remove the air filter (supply with the unit), then install the filter (field supply) at suction side.

PEAD-M35JAL
PEAD-M50JAL
PEAD-M60JAL
PEAD-M71JAL
PEAD-M100JAL
PEAD-M125JAL
PEAD-M140JAL

Unit : mm



*Setting at shipment

Model	A	B	C	D	E	F	G	H	J	K	L	M	N	①Gas pipe	②Liquid pipe
PEAD-M35, 50JAL	900	954	1000	860	9	800	858	1000	54	260	4	780	10	ø12.7	ø6.35
PEAD-M60JAL	1100	1154	1200	1060	11	1000	1058	1200	49	330	4	990	10	ø15.88	Outdoor unit (SUZ): ø6.35 Outdoor unit (other): ø9.52*
PEAD-M71JAL															ø9.52
PEAD-M100, 125JAL	1400	1454	1500	1360	14	1300	1358	1500	54	320	5	1280	12		
PEAD-M140JAL	1600	1654	1700	1560	16	1500	1558	1700	54	370	5	1480	12		

NOTE 1. Use M10 screw for the Suspension bolt (field supply).
2. Keep the service space for the maintenance at the bottom.
3. This chart indicates for PEAD-M60, 71, 100, 125, 140JAL models, which have 2 fans. PEAD-M35, 50JAL models have 1 fan.
4. In case of the inlet duct is used, remove the air filter (supply with the unit), then install the filter (field supply) at suction side.

PEAD-M35JA **PEAD-M100JA**
PEAD-M35JAL **PEAD-M100JAL**
PEAD-M50JA **PEAD-M125JA**
PEAD-M50JAL **PEAD-M125JAL**
PEAD-M60JA **PEAD-M140JA**
PEAD-M60JAL **PEAD-M140JAL**
PEAD-M71JA
PEAD-M71JAL

Secure enough access space to allow for the maintenance, inspection, and replacement of the motor, fan, drain pump, heat exchanger, and electric box in one of the following ways.
Select an installation site for the indoor unit so that its maintenance access space will not be obstructed by beams or other objects.

(1) When a space of 300 mm or more is available below the unit between the unit and the ceiling (Fig. 1)
- Create access door 1 and 2 (450 x 450 mm each) as shown in Fig. 2.
  (Access door 2 is not required if enough space is available below the unit for a maintenance worker to work in.)

(2) When a space of less than 300 mm is available below the unit between the unit and the ceiling (At least 20 mm of space should be left below the unit as shown in Fig. 3.)
- Create access door 1 diagonally below the electric box and access door 3 below the unit as shown in Fig. 4.
  or
- Create access door 4 below the electric box and the unit as shown in Fig. 5.

Unit: mm

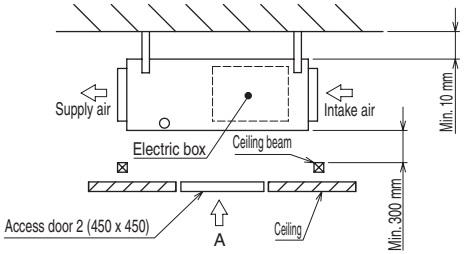


Fig. 1

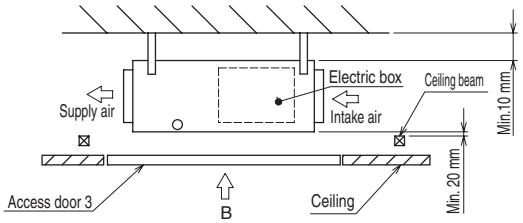


Fig. 3

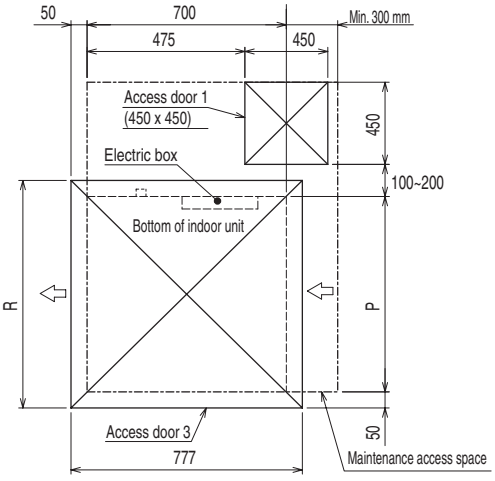


Fig. 4 (Viewed from the direction of the arrow B)

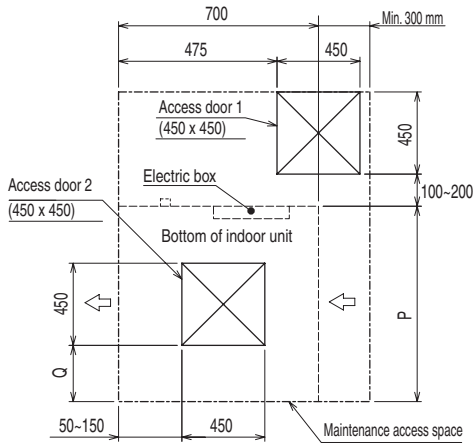


Fig. 2 (Viewed from the direction of the arrow A)

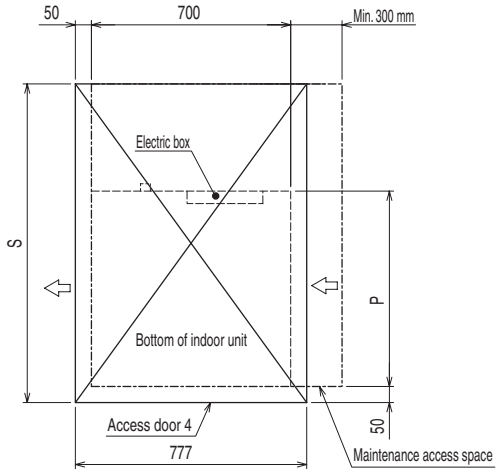


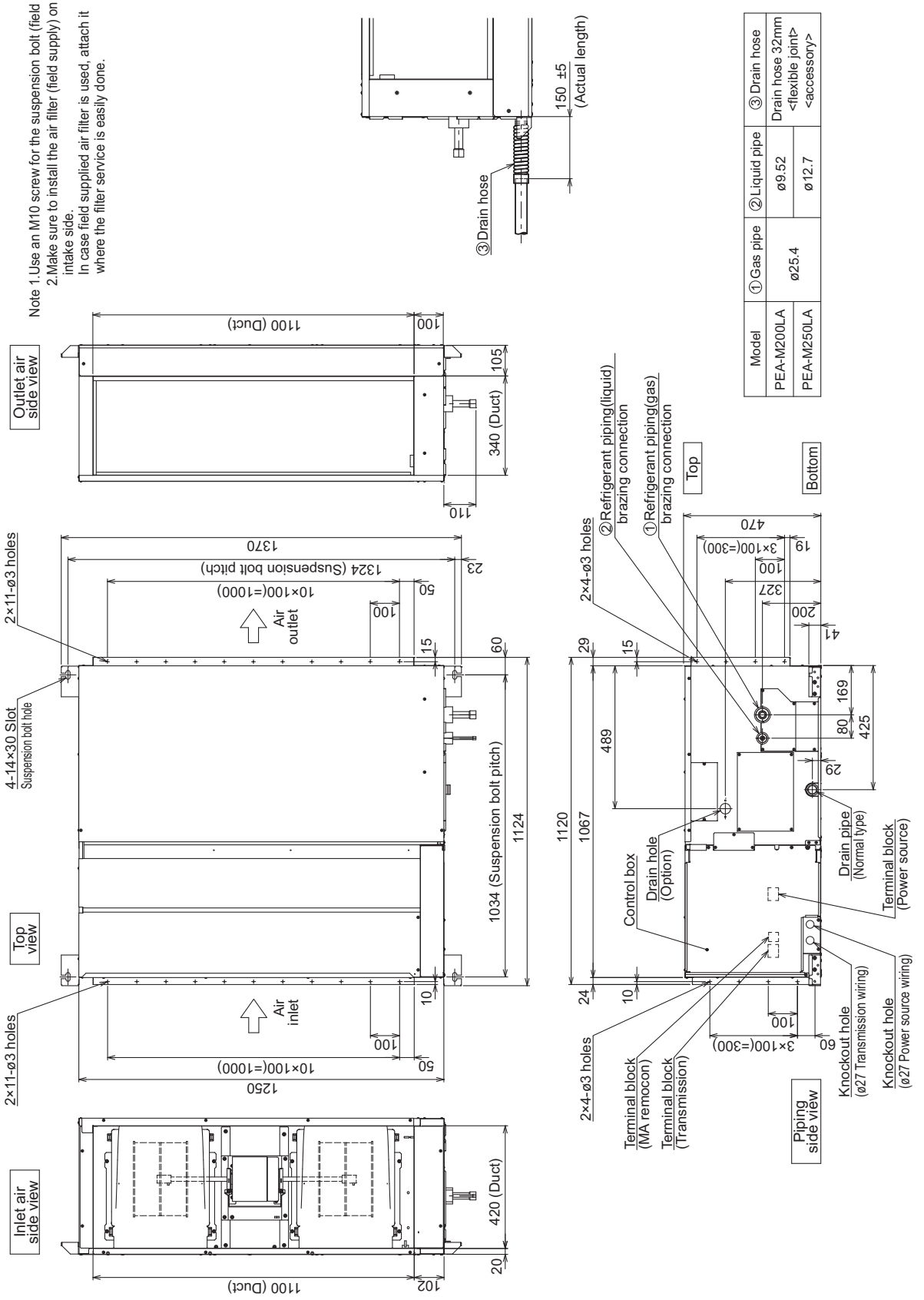
Fig. 5 (Viewed from the direction of the arrow B)

(mm)

Model	P	Q	R	S
PEAD-M35, 50JA(L)	900	150~250	1000	1500
PEAD-M60, 71JA(L)	1100	250~350	1200	1700
PEAD-M100, 125JA(L)	1400	400~500	1500	2000
PEAD-M140JA(L)	1600	500~600	1700	2200

PEA-M200LA
PEA-M250LA

Unit : mm



[Maintenance access space]

Secure enough access space to allow for the maintenance, inspection, and replacement of the motor, fan, heat exchanger, drain pan and control box in one of the following ways.
Select an installation site for the indoor unit so that it's maintenance access space will not be obstructed by beam or other objects.

Create access door 1(450x450mm) for the maintenance from the unit side when the thermistor and control box is exchanged.(Fig.2, 4)

(1) When a space of 500mm or more is available below the unit between the unit and the ceiling.
Create access door 2(600x600mm) for the maintenance from the bottom when the motor, fan, heat exchanger, drain pump(option) and drain pan is cleaned(exchanged).(Fig.1)

(2) When a space of less than 500mm is available below the unit between the unit and the ceiling.
(At least 20mm of space should be left below the unit as shown in Fig.3.)
Create access door 3 for the maintenance from the bottom when the motor, fan, heat exchanger, drain pump(option) and drain pan is cleaned(exchanged).(Fig.4)

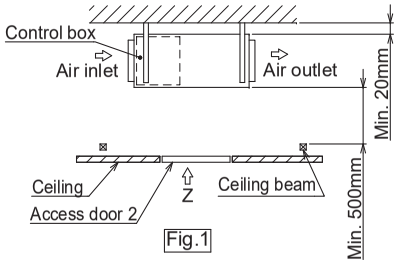


Fig.1

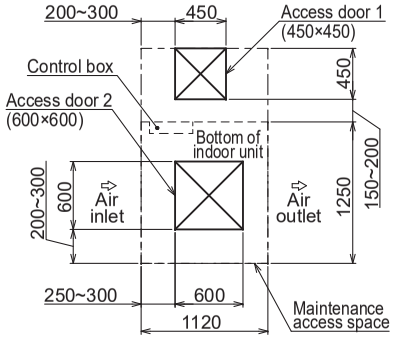


Fig.2 (Viewed from the direction of the arrow Z)

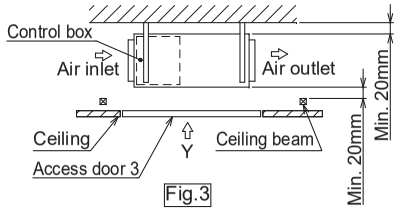


Fig.3

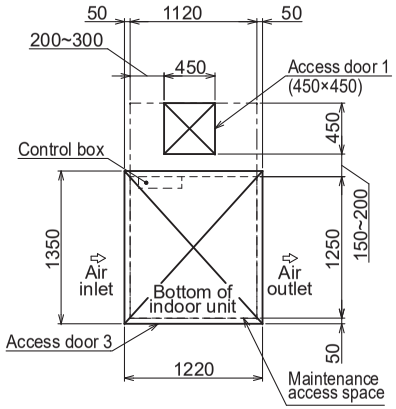
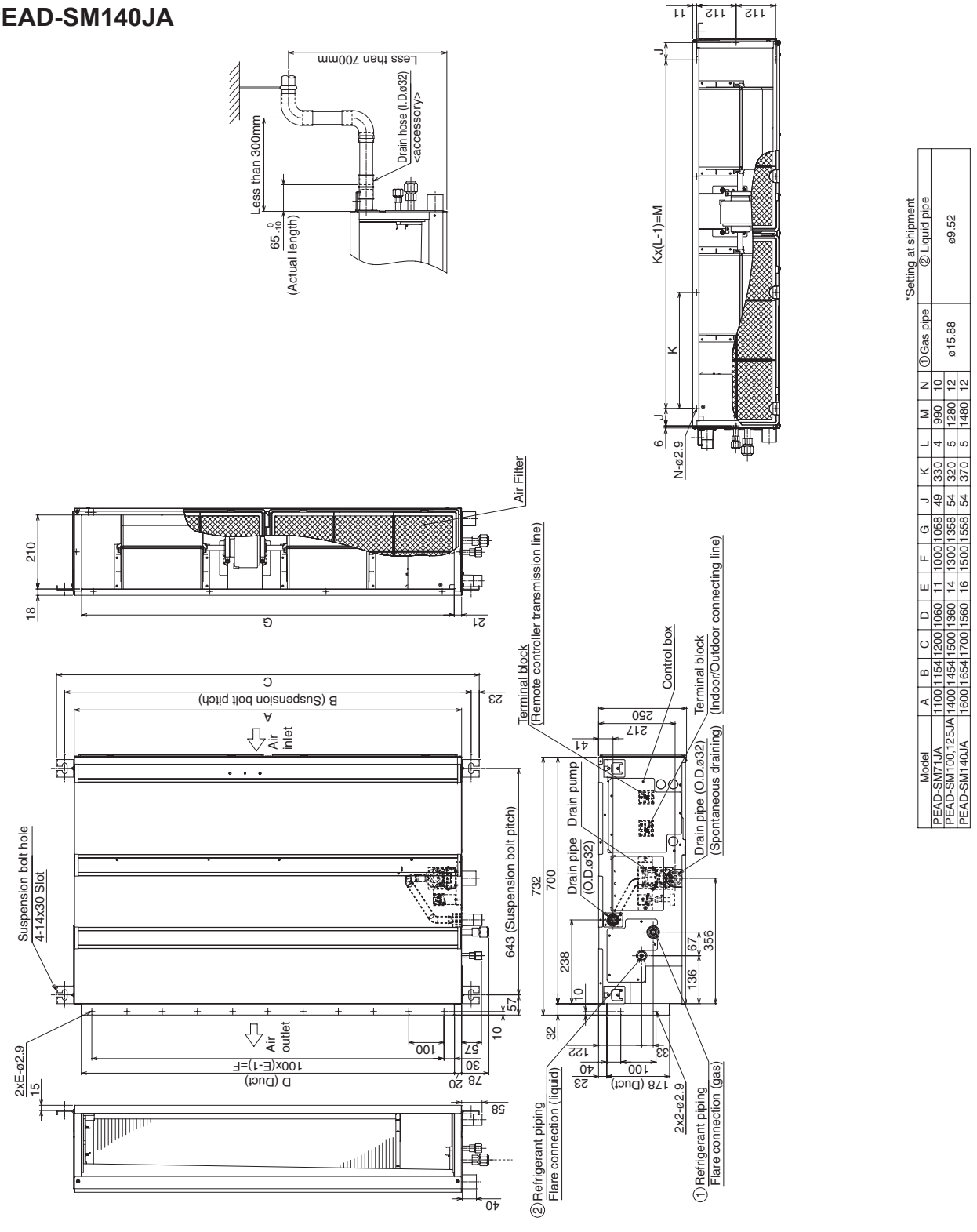


Fig.4 (Viewed from the direction of the arrow Y)

Unit: mm

PEAD-SM71JA
PEAD-SM100JA
PEAD-SM125JA
PEAD-SM140JA

Unit : mm

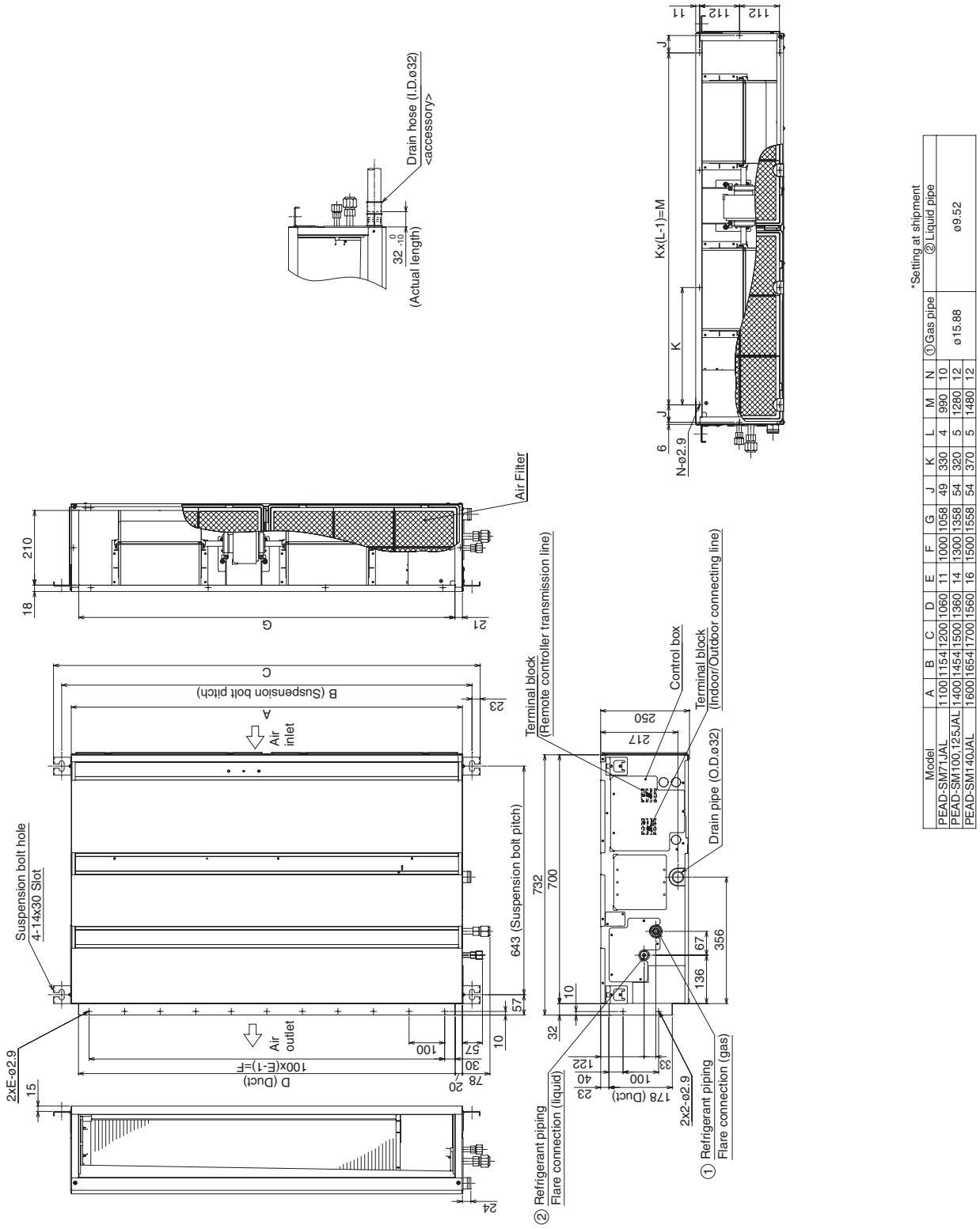


*Setting at shipment

Model	A	B	C	D	E	F	G	J	K	L	M	N	①Gas pipe	② Liquid pipe
PEAD-SM71JA	1100	1154	1200	1060	11	1000	1058	49	330	4	990	10	ø15.88	ø9.52
PEAD-SM100,125JA	1400	1454	1500	1360	14	1300	1358	54	320	5	1280	12		
PEAD-SM140JA	1600	1654	1700	1560	16	1500	1558	54	370	5	1480	12		

NOTE 1. Use M10 screw for the Suspension bolt (field supply).
2. Keep the service space for the maintenance at the bottom.
3. In case of the inlet duct is used, remove the air filter (supply with the unit), then install the filter (field supply) at suction side.

PEAD-SM71JAL
PEAD-SM100JAL
PEAD-SM125JAL
PEAD-SM140JAL



*Setting at shipment

Model	A	B	C	D	E	F	G	J	K	L	M	N	①Gas pipe	②Liquid pipe
PEAD-SM71JAL	1100	1154	1200	1060	11	1000	1058	49	330	4	990	10	ø15.88	ø9.52
PEAD-SM100.125JAL	1400	1454	1500	1360	14	1300	1358	54	320	5	1280	12		
PEAD-SM140JAL	1600	1654	1700	1560	16	1500	1558	54	370	5	1480	12		

NOTE 1. Use M10 screw for the Suspension bolt (field supply).
2. Keep the service space for the maintenance at the bottom.
3. In case of the inlet duct is used, remove the air filter (supply with the unit), then install the filter (field supply) at suction side.

PEAD-SM71JA
PEAD-SM71JAL
PEAD-SM100JA
PEAD-SM100JAL
PEAD-SM125JA
PEAD-SM125JAL
PEAD-SM140JA
PEAD-SM140JAL

Secure enough access space to allow for the maintenance, inspection, and replacement of the motor, fan, drain pump, heat exchanger, and electric box in one of the following ways.
Select an installation site for the indoor unit so that its maintenance access space will not be obstructed by beams or other objects.

(1) When a space of 300 mm or more is available below the unit between the unit and the ceiling (Fig. 1)
- Create access door 1 and 2 (450 x 450 mm each) as shown in Fig. 2.
  (Access door 2 is not required if enough space is available below the unit for a maintenance worker to work in.)

(2) When a space of less than 300 mm is available below the unit between the unit and the ceiling (At least 20 mm of space should be left below the unit as shown in Fig. 3.)
- Create access door 1 diagonally below the electric box and access door 3 below the unit as shown in Fig. 4.
  or
- Create access door 4 below the electric box and the unit as shown in Fig. 5.

Unit: mm

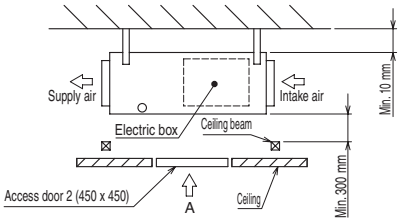


Fig. 1

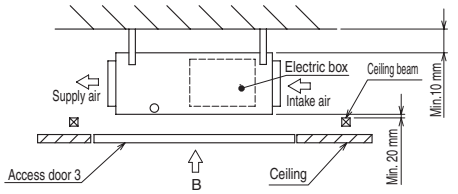


Fig. 3

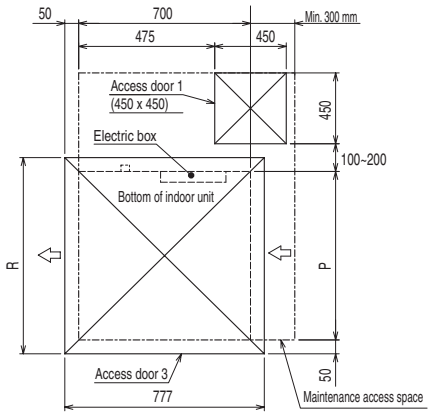


Fig. 4 (Viewed from the direction of the arrow B)

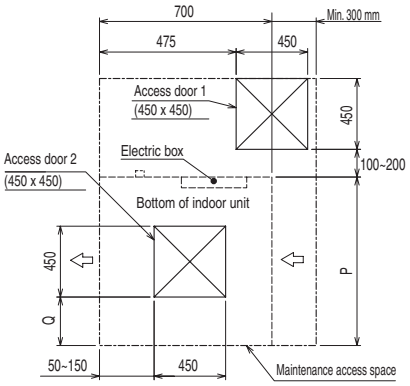


Fig. 2 (Viewed from the direction of the arrow A)

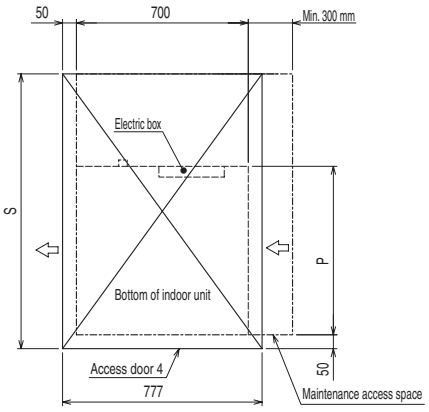


Fig. 5 (Viewed from the direction of the arrow B)

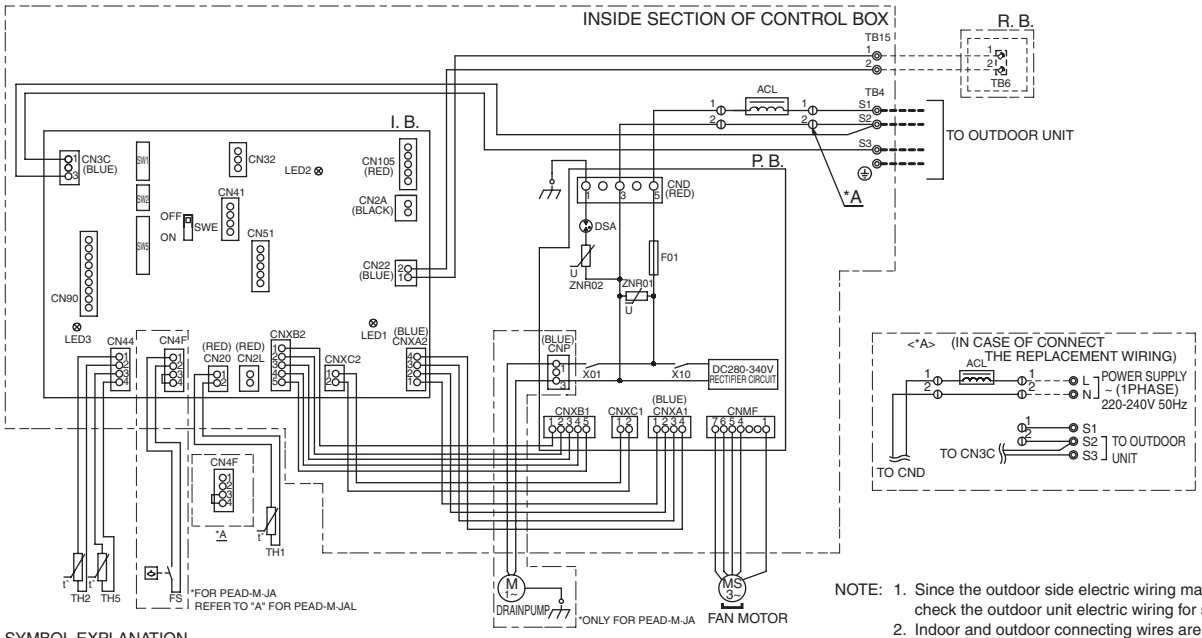
(mm)

Model	P	Q	R	S
PEAD-SM71JA(L)	1100	250~350	1200	1700
PEAD-SM100, 125JA(L)	1400	400~500	1500	2000
PEAD-SM140JA(L)	1600	500~600	1700	2200

A.6.3 WIRING DIAGRAM

PEAD-M35JA
PEAD-M35JAL
PEAD-M50JA
PEAD-M50JAL
PEAD-M60JA
PEAD-M60JAL
PEAD-M71JA
PEAD-M71JAL

PEAD-M100JA
PEAD-M100JAL
PEAD-M125JA
PEAD-M125JAL
PEAD-M140JA
PEAD-M140JAL

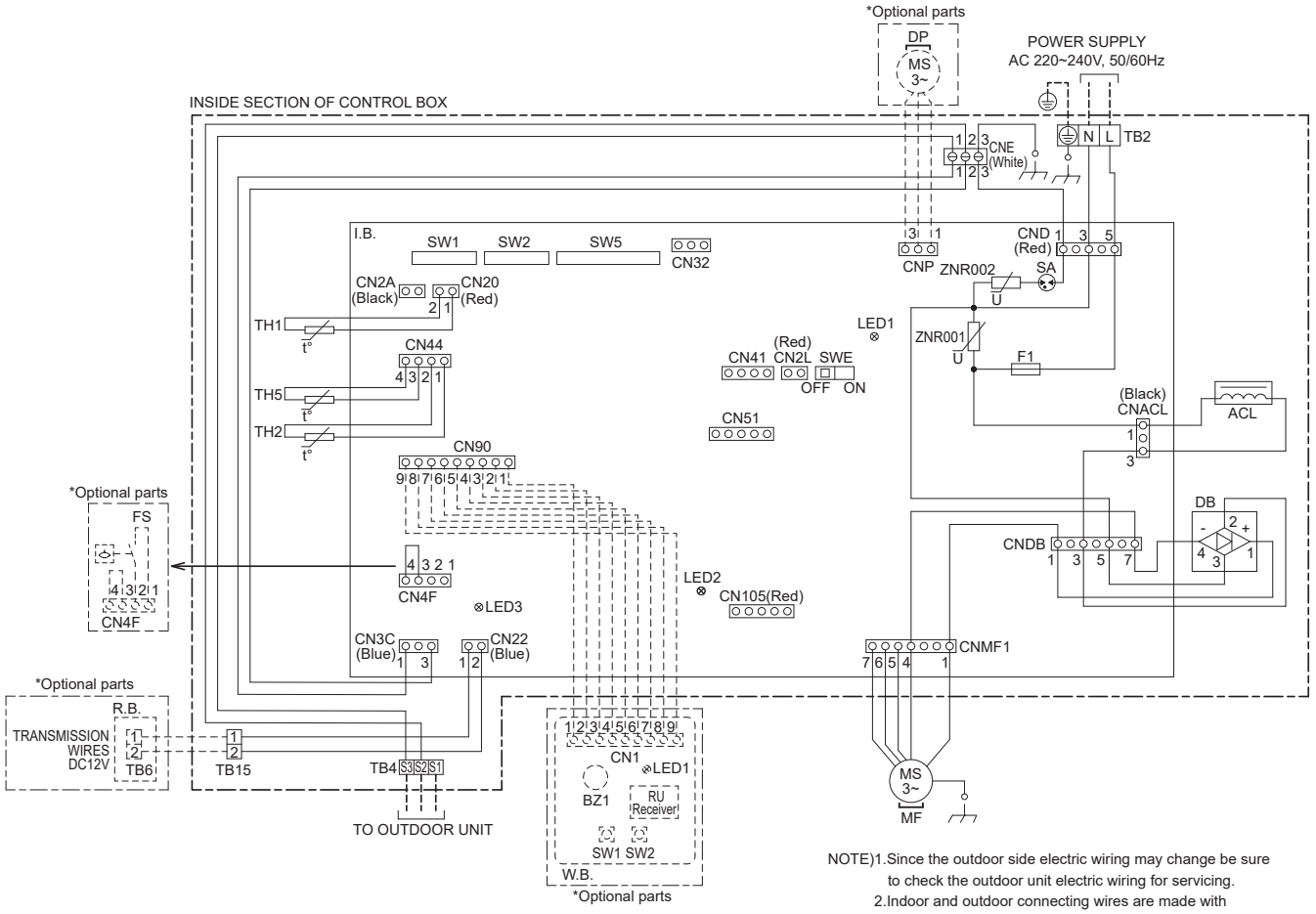


SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I. B.	INDOOR CONTROLLER BOARD	I. B.	INDOOR CONTROLLER BOARD	TH1	INTAKE AIR TEMP. THERMISTOR
CN2A	CONNECTOR (0-10V ANALOG INPUT)	SW1	SWITCH (FOR MODE SELECTION)	TH2	PIPE TEMP. THERMISTOR/LIQUID
CN2L	CONNECTOR (LOSSNAY)	SW2	SWITCH (FOR CAPACITY CODE)	TH5	COND./EVA. TEMP. THERMISTOR
CN32	CONNECTOR (REMOTE SWITCH)	SW5	SWITCH (FOR MODEL SELECTION)	ACL	AC REACTOR (POWER FACTOR IMPROVEMENT)
CN41	CONNECTOR (HA TERMINAL-A)	SWE	CONNECTOR (EMERGENCY OPERATION)	FS	FLOAT SWITCH
CN51	CONNECTOR (CENTRALLY CONTROL)	P. B.	POWER SUPPLY BOARD	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN90	CONNECTOR (WIRELESS)	F01	FUSE AC250V 6.3A		
CN105	CONNECTOR (IT TERMINAL)	ZNR01,02	VARISTOR	TB15	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
LED1	LED (POWER SUPPLY)	DSA	ARRESTER	R. B.	REMOTE CONTROLLER BOARD
LED2	LED (REMOTE CONTROLLER SUPPLY)	X01	AUX. RELAY	TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
LED3	LED (TRANSMISSION INDOOR-OUTDOOR)	X10	AUX. RELAY		

NOTE: 1. Since the outdoor side electric wiring may change, be s
check the outdoor unit electric wiring for servicing.
2. Indoor and outdoor connecting wires are made with pol
make wiring matching terminal numbers (S1, S2, S3).
3. Symbols used in wiring diagram above are,
: CONNECTOR
: TERMINAL BLOCK
(HEAVY DOTTED LINE): FIELD WIRING
(THIN DOTTED LINE): OPTIONAL PARTS

PEA-M200LA
PEA-M250LA



NOTE)1.Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2.Indoor and outdoor connecting wires are made with polarities,make wiring matching terminal numbers(S1, S2, S3).
3.Symbols used in wiring diagram are
:Connector, :Terminal,
(Heavy dotted line):Field wiring,
(Thin dotted line):Optional parts.

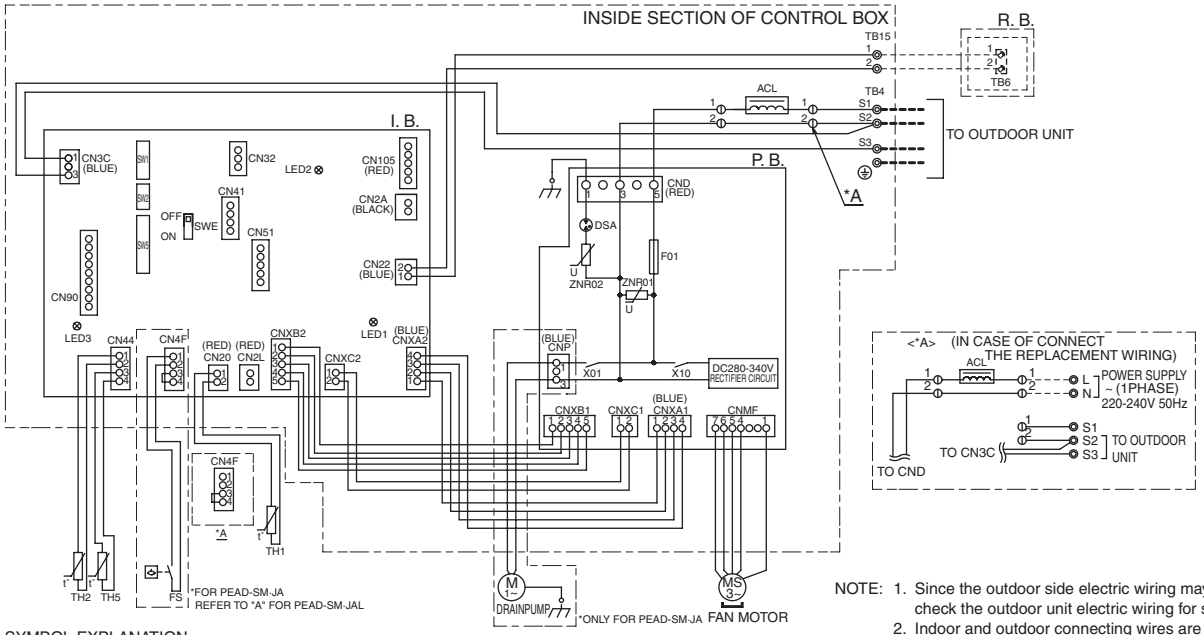
SYMBOL EXPLANATION

SYMBOL	NAME
ACL	AC reactor (Power factor improvement)
DB	Diode Bridge
DP	Drain Pump
FS	Float Switch
MF	Fan Motor
TB2	Terminal block (Power source line)
TB4	Terminal block (Indoor/Outdoor connecting line)
TB15	Terminal block (Remote controller transmission line)
TH1	Inlet air temp. thermistor
TH2	Pipe temp. thermistor/liquid
TH5	Cond./eva. temp. thermistor
I.B.	Indoor controller board
LED1	LED (Power supply)
LED2	LED (Remote controller supply)

SYMBOL	NAME
I.B.	Indoor controller board
LED3	LED (Transmission Indoor-Outdoor)
CN2A	Connector (0-10V Analog input)
CN2L	Connector (Lossanay)
CN32	Connector (Remote switch)
CN41	Connector (HA terminal-A)
CN51	Connector (Centrally control)
CN90	Connector (Wireless)
CN105	Connector (IT terminal)
SW1	Switch (for model selection)
SW2	Switch (for capacity code)
SW5	Switch (for system selection)
SWE	Connector (Emergency operation)
SA	Arrester

SYMBOL	NAME
I.B.	Indoor controller board
F1	Fuse AC250V 6.3A
ZNR001,002	Varistor
W.B.	Wireless remote controller board
RU	Receiving unit
BZ1	Buzzer
LED1	LED (Run indicator)
SW1	Switch (Heating ON/OFF)
SW2	Switch (Cooling ON/OFF)
R.B.	Remote controller board
TB6	Terminal block (Remote controller transmission line)

PEAD-SM71JA
PEAD-SM71JAL
PEAD-SM100JA
PEAD-SM100JAL
PEAD-SM125JA
PEAD-SM125JAL
PEAD-SM140JA
PEAD-SM140JAL



SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I. B.	INDOOR CONTROLLER BOARD	I. B.	INDOOR CONTROLLER BOARD	TH1	INTAKE AIR TEMP. THERMISTOR
CN2A	CONNECTOR (0-10V ANALOG INPUT)	SW1	SWITCH (FOR MODE SELECTION)	TH2	PIPE TEMP. THERMISTOR/LIQUID
CN2L	CONNECTOR (LOSSNAY)	SW2	SWITCH (FOR CAPACITY CODE)	TH5	COND./EVA. TEMP. THERMISTOR
CN32	CONNECTOR (REMOTE SWITCH)	SW5	SWITCH (FOR MODEL SELECTION)	ACL	AC REACTOR (POWER FACTOR IMPROVEMENT)
CN41	CONNECTOR (HA TERMINAL-A)	SWE	CONNECTOR (EMERGENCY OPERATION)	FS	FLOAT SWITCH
CN51	CONNECTOR (CENTRALLY CONTROL)	P. B.	POWER SUPPLY BOARD	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN90	CONNECTOR (WIRELESS)	F01	FUSE AC250V 6.3A		
CN105	CONNECTOR (IT TERMINAL)	ZNR01,02	VARISTOR	TB15	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
LED1	LED (POWER SUPPLY)	DSA	ARRESTER	R. B.	REMOTE CONTROLLER BOARD
LED2	LED (REMOTE CONTROLLER SUPPLY)	X01	AUX. RELAY	TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
LED3	LED (TRANSMISSION INDOOR-OUTDOOR)	X10	AUX. RELAY		

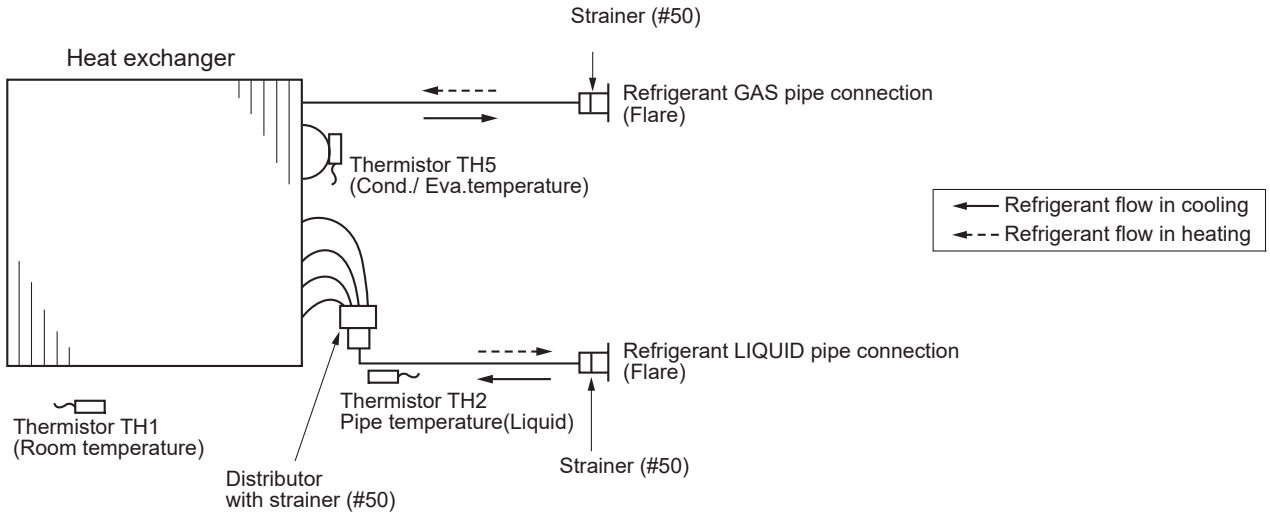
NOTE:
1. Since the outdoor side electric wiring may change, be sure to check the outdoor unit electric wiring for servicing.
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3. Symbols used in wiring diagram above are,
   - ⓘ : CONNECTOR
   - ◎ : TERMINAL BLOCK
   - ----- (HEAVY DOTTED LINE): FIELD WIRING
   - ----- (THIN DOTTED LINE): OPTIONAL PARTS

A.6.4 REFRIGERANT SYSTEM DIAGRAM

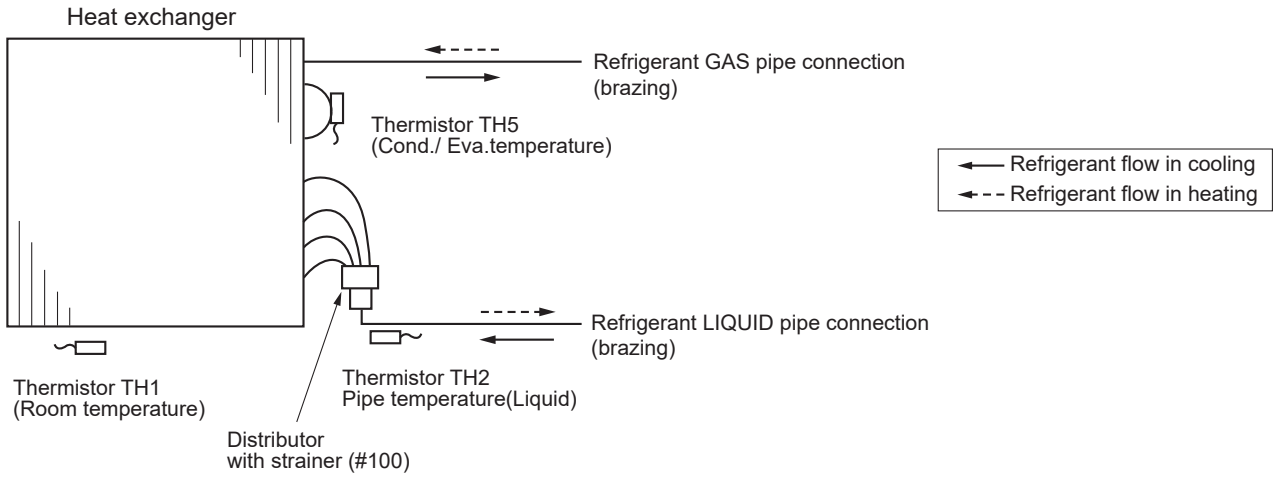
PEAD-M35JA
PEAD-M35JAL
PEAD-M50JA
PEAD-M50JAL
PEAD-M60JA
PEAD-M60JAL
PEAD-M71JA
PEAD-M71JAL

PEAD-M100JA
PEAD-M100JAL
PEAD-M125JA
PEAD-M125JAL
PEAD-M140JA
PEAD-M140JAL

PEAD-SM71JA
PEAD-SM71JAL
PEAD-SM100JA
PEAD-SM100JAL
PEAD-SM125JA
PEAD-SM125JAL
PEAD-SM140JA
PEAD-SM140JAL



PEA-M200LA
PEA-M250LA



A.6.5 PERFORMANCE DATA

A.6.5.1 R32 type

COOLING CAPACITY

PEAD-M35JA / PUZ-ZM35VKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	3,564	2,673	0.75	0.67	3,456	2,592	0.75	0.71	3,348	2,511	0.75	0.75
20	18	3,816	2,404	0.63	0.68	3,708	2,336	0.63	0.72	3,582	2,257	0.63	0.77
20	20	4,104	2,093	0.51	0.70	4,014	2,047	0.51	0.74	3,906	1,992	0.51	0.79
22	16	3,564	2,958	0.83	0.67	3,456	2,868	0.83	0.71	3,348	2,779	0.83	0.75
22	18	3,816	2,709	0.71	0.68	3,708	2,633	0.71	0.72	3,582	2,543	0.71	0.77
22	20	4,104	2,421	0.59	0.70	4,014	2,368	0.59	0.74	3,906	2,305	0.59	0.79
24	16	3,564	3,243	0.91	0.67	3,456	3,145	0.91	0.71	3,348	3,047	0.91	0.75
24	18	3,816	3,015	0.79	0.68	3,708	2,929	0.79	0.72	3,582	2,830	0.79	0.77
24	20	4,104	2,750	0.67	0.70	4,014	2,689	0.67	0.74	3,906	2,617	0.67	0.79
24	22	4,374	2,406	0.55	0.72	4,284	2,356	0.55	0.76	4,176	2,297	0.55	0.81
26	16	3,564	3,528	0.99	0.67	3,456	3,421	0.99	0.71	3,348	3,315	0.99	0.75
26	18	3,816	3,320	0.87	0.68	3,708	3,226	0.87	0.72	3,582	3,116	0.87	0.77
26	20	4,104	3,078	0.75	0.70	4,014	3,011	0.75	0.74	3,906	2,930	0.75	0.79
26	22	4,374	2,756	0.63	0.72	4,284	2,699	0.63	0.76	4,176	2,631	0.63	0.81
27	16	3,564	3,564	1.00	0.67	3,456	3,456	1.00	0.71	3,348	3,348	1.00	0.75
27	18	3,816	3,473	0.91	0.68	3,708	3,374	0.91	0.72	3,582	3,260	0.91	0.77
27	20	4,104	3,242	0.79	0.70	4,014	3,171	0.79	0.74	3,906	3,086	0.79	0.79
27	22	4,374	2,931	0.67	0.72	4,284	2,870	0.67	0.76	4,176	2,798	0.67	0.81
28	16	3,564	3,564	1.00	0.67	3,456	3,456	1.00	0.71	3,348	3,348	1.00	0.75
28	18	3,816	3,625	0.95	0.68	3,708	3,523	0.95	0.72	3,582	3,403	0.95	0.77
28	20	4,104	3,406	0.83	0.70	4,014	3,332	0.83	0.74	3,906	3,242	0.83	0.79
28	22	4,374	3,106	0.71	0.72	4,284	3,042	0.71	0.76	4,176	2,965	0.71	0.81
30	16	3,564	3,564	1.00	0.67	3,456	3,456	1.00	0.71	3,348	3,348	1.00	0.75
30	18	3,816	3,816	1.00	0.68	3,708	3,708	1.00	0.72	3,582	3,582	1.00	0.77
30	20	4,104	3,735	0.91	0.70	4,014	3,653	0.91	0.74	3,906	3,554	0.91	0.79
30	22	4,374	3,455	0.79	0.72	4,284	3,384	0.79	0.76	4,176	3,299	0.79	0.81
32	16	3,564	3,564	1.00	0.67	3,456	3,456	1.00	0.71	3,348	3,348	1.00	0.75
32	18	3,816	3,816	1.00	0.68	3,708	3,708	1.00	0.72	3,582	3,582	1.00	0.77
32	20	4,104	4,063	0.99	0.70	4,014	3,974	0.99	0.74	3,906	3,867	0.99	0.79
32	22	4,374	3,805	0.87	0.72	4,284	3,727	0.87	0.76	4,176	3,633	0.87	0.81
34	16	3,564	3,564	1.00	0.67	3,456	3,456	1.00	0.71	3,348	3,348	1.00	0.75
34	18	3,816	3,816	1.00	0.68	3,708	3,708	1.00	0.72	3,582	3,582	1.00	0.77
34	20	4,104	4,104	1.00	0.70	4,014	4,014	1.00	0.74	3,906	3,906	1.00	0.79
34	22	4,374	4,155	0.95	0.72	4,284	4,070	0.95	0.76	4,176	3,967	0.95	0.81

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	3,204	2,403	0.75	0.80	3,060	2,295	0.75	0.86	2,916	2,187	0.75	0.93
20	18	3,456	2,177	0.63	0.82	3,348	2,109	0.63	0.89	3,132	1,973	0.63	0.95
20	20	3,744	1,909	0.51	0.85	3,600	1,836	0.51	0.90	3,384	1,726	0.51	0.97
22	16	3,204	2,659	0.83	0.80	3,060	2,540	0.83	0.86	2,916	2,420	0.83	0.93
22	18	3,456	2,454	0.71	0.82	3,348	2,377	0.71	0.89	3,132	2,224	0.71	0.95
22	20	3,744	2,209	0.59	0.85	3,600	2,124	0.59	0.90	3,384	1,997	0.59	0.97
24	16	3,204	2,916	0.91	0.80	3,060	2,785	0.91	0.86	2,916	2,654	0.91	0.93
24	18	3,456	2,730	0.79	0.82	3,348	2,645	0.79	0.89	3,132	2,474	0.79	0.95
24	20	3,744	2,508	0.67	0.85	3,600	2,412	0.67	0.90	3,384	2,267	0.67	0.97
24	22	4,032	2,218	0.55	0.86	3,888	2,138	0.55	0.93	3,672	2,020	0.55	0.99
26	16	3,204	3,172	0.99	0.80	3,060	3,029	0.99	0.86	2,916	2,887	0.99	0.93
26	18	3,456	3,007	0.87	0.82	3,348	2,913	0.87	0.89	3,132	2,725	0.87	0.95
26	20	3,744	2,808	0.75	0.85	3,600	2,700	0.75	0.90	3,384	2,538	0.75	0.97
26	22	4,032	2,540	0.63	0.86	3,888	2,449	0.63	0.93	3,672	2,313	0.63	0.99
27	16	3,204	3,204	1.00	0.80	3,060	3,060	1.00	0.86	2,916	2,916	1.00	0.93
27	18	3,456	3,145	0.91	0.82	3,348	3,047	0.91	0.89	3,132	2,850	0.91	0.95
27	20	3,744	2,958	0.79	0.85	3,600	2,844	0.79	0.90	3,384	2,673	0.79	0.97
27	22	4,032	2,701	0.67	0.86	3,888	2,605	0.67	0.93	3,672	2,460	0.67	0.99
28	16	3,204	3,204	1.00	0.80	3,060	3,060	1.00	0.86	2,916	2,916	1.00	0.93
28	18	3,456	3,283	0.95	0.82	3,348	3,181	0.95	0.89	3,132	2,975	0.95	0.95
28	20	3,744	3,108	0.83	0.85	3,600	2,988	0.83	0.90	3,384	2,809	0.83	0.97
28	22	4,032	2,863	0.71	0.86	3,888	2,760	0.71	0.93	3,672	2,607	0.71	0.99
30	16	3,204	3,204	1.00	0.80	3,060	3,060	1.00	0.86	2,916	2,916	1.00	0.93
30	18	3,456	3,456	1.00	0.82	3,348	3,348	1.00	0.89	3,132	3,132	1.00	0.95
30	20	3,744	3,407	0.91	0.85	3,600	3,276	0.91	0.90	3,384	3,079	0.91	0.97
30	22	4,032	3,185	0.79	0.86	3,888	3,072	0.79	0.93	3,672	2,901	0.79	0.99
32	16	3,204	3,204	1.00	0.80	3,060	3,060	1.00	0.86	2,916	2,916	1.00	0.93
32	18	3,456	3,456	1.00	0.82	3,348	3,348	1.00	0.89	3,132	3,132	1.00	0.95
32	20	3,744	3,707	0.99	0.85	3,600	3,564	0.99	0.90	3,384	3,350	0.99	0.97
32	22	4,032	3,508	0.87	0.86	3,888	3,383	0.87	0.93	3,672	3,195	0.87	0.99
34	16	3,204	3,204	1.00	0.80	3,060	3,060	1.00	0.86	2,916	2,916	1.00	0.93
34	18	3,456	3,456	1.00	0.82	3,348	3,348	1.00	0.89	3,132	3,132	1.00	0.95
34	20	3,744	3,744	1.00	0.85	3,600	3,600	1.00	0.90	3,384	3,384	1.00	0.97
34	22	4,032	3,830	0.95	0.86	3,888	3,694	0.95	0.93	3,672	3,488	0.95	0.99

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M50JA / PUZ-ZM50VKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	4,950	3,663	0.74	0.96	4,800	3,552	0.74	1.01	4,650	3,441	0.74	1.07
20	18	5,300	3,286	0.62	0.98	5,150	3,193	0.62	1.03	4,975	3,085	0.62	1.10
20	20	5,700	2,850	0.50	1.01	5,575	2,788	0.50	1.06	5,425	2,713	0.50	1.13
22	16	4,950	4,059	0.82	0.96	4,800	3,936	0.82	1.01	4,650	3,813	0.82	1.07
22	18	5,300	3,710	0.70	0.98	5,150	3,605	0.70	1.03	4,975	3,483	0.70	1.10
22	20	5,700	3,306	0.58	1.01	5,575	3,234	0.58	1.06	5,425	3,147	0.58	1.13
24	16	4,950	4,455	0.90	0.96	4,800	4,320	0.90	1.01	4,650	4,185	0.90	1.07
24	18	5,300	4,134	0.78	0.98	5,150	4,017	0.78	1.03	4,975	3,881	0.78	1.10
24	20	5,700	3,762	0.66	1.01	5,575	3,680	0.66	1.06	5,425	3,581	0.66	1.13
24	22	6,075	3,281	0.54	1.03	5,950	3,213	0.54	1.09	5,800	3,132	0.54	1.16
26	16	4,950	4,851	0.98	0.96	4,800	4,704	0.98	1.01	4,650	4,557	0.98	1.07
26	18	5,300	4,558	0.86	0.98	5,150	4,429	0.86	1.03	4,975	4,279	0.86	1.10
26	20	5,700	4,218	0.74	1.01	5,575	4,126	0.74	1.06	5,425	4,015	0.74	1.13
26	22	6,075	3,767	0.62	1.03	5,950	3,689	0.62	1.09	5,800	3,596	0.62	1.16
27	16	4,950	4,950	1.00	0.96	4,800	4,800	1.00	1.01	4,650	4,650	1.00	1.07
27	18	5,300	4,770	0.90	0.98	5,150	4,635	0.90	1.03	4,975	4,478	0.90	1.10
27	20	5,700	4,446	0.78	1.01	5,575	4,349	0.78	1.06	5,425	4,232	0.78	1.13
27	22	6,075	4,010	0.66	1.03	5,950	3,927	0.66	1.09	5,800	3,828	0.66	1.16
28	16	4,950	4,950	1.00	0.96	4,800	4,800	1.00	1.01	4,650	4,650	1.00	1.07
28	18	5,300	4,982	0.94	0.98	5,150	4,841	0.94	1.03	4,975	4,677	0.94	1.10
28	20	5,700	4,674	0.82	1.01	5,575	4,572	0.82	1.06	5,425	4,449	0.82	1.13
28	22	6,075	4,253	0.70	1.03	5,950	4,165	0.70	1.09	5,800	4,060	0.70	1.16
30	16	4,950	4,950	1.00	0.96	4,800	4,800	1.00	1.01	4,650	4,650	1.00	1.07
30	18	5,300	5,300	1.00	0.98	5,150	5,150	1.00	1.03	4,975	4,975	1.00	1.10
30	20	5,700	5,130	0.90	1.01	5,575	5,018	0.90	1.06	5,425	4,883	0.90	1.13
30	22	6,075	4,739	0.78	1.03	5,950	4,641	0.78	1.09	5,800	4,524	0.78	1.16
32	16	4,950	4,950	1.00	0.96	4,800	4,800	1.00	1.01	4,650	4,650	1.00	1.07
32	18	5,300	5,300	1.00	0.98	5,150	5,150	1.00	1.03	4,975	4,975	1.00	1.10
32	20	5,700	5,586	0.98	1.01	5,575	5,464	0.98	1.06	5,425	5,317	0.98	1.13
32	22	6,075	5,225	0.86	1.03	5,950	5,117	0.86	1.09	5,800	4,988	0.86	1.16
34	16	4,950	4,950	1.00	0.96	4,800	4,800	1.00	1.01	4,650	4,650	1.00	1.07
34	18	5,300	5,300	1.00	0.98	5,150	5,150	1.00	1.03	4,975	4,975	1.00	1.10
34	20	5,700	5,700	1.00	1.01	5,575	5,575	1.00	1.06	5,425	5,425	1.00	1.13
34	22	6,075	5,711	0.94	1.03	5,950	5,593	0.94	1.09	5,800	5,452	0.94	1.16

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	4,450	3,293	0.74	1.15	4,250	3,145	0.74	1.24	4,050	2,997	0.74	1.34
20	18	4,800	2,976	0.62	1.18	4,650	2,883	0.62	1.27	4,350	2,697	0.62	1.37
20	20	5,200	2,600	0.50	1.21	5,000	2,500	0.50	1.30	4,700	2,350	0.50	1.39
22	16	4,450	3,649	0.82	1.15	4,250	3,485	0.82	1.24	4,050	3,321	0.82	1.34
22	18	4,800	3,360	0.70	1.18	4,650	3,255	0.70	1.27	4,350	3,045	0.70	1.37
22	20	5,200	3,016	0.58	1.21	5,000	2,900	0.58	1.30	4,700	2,726	0.58	1.39
24	16	4,450	4,005	0.90	1.15	4,250	3,825	0.90	1.24	4,050	3,645	0.90	1.34
24	18	4,800	3,744	0.78	1.18	4,650	3,627	0.78	1.27	4,350	3,393	0.78	1.37
24	20	5,200	3,432	0.66	1.21	5,000	3,300	0.66	1.30	4,700	3,102	0.66	1.39
24	22	5,600	3,024	0.54	1.24	5,400	2,916	0.54	1.33	5,100	2,754	0.54	1.42
26	16	4,450	4,361	0.98	1.15	4,250	4,165	0.98	1.24	4,050	3,969	0.98	1.34
26	18	4,800	4,128	0.86	1.18	4,650	3,999	0.86	1.27	4,350	3,741	0.86	1.37
26	20	5,200	3,848	0.74	1.21	5,000	3,700	0.74	1.30	4,700	3,478	0.74	1.39
26	22	5,600	3,472	0.62	1.24	5,400	3,348	0.62	1.33	5,100	3,162	0.62	1.42
27	16	4,450	4,450	1.00	1.15	4,250	4,250	1.00	1.24	4,050	4,050	1.00	1.34
27	18	4,800	4,320	0.90	1.18	4,650	4,185	0.90	1.27	4,350	3,915	0.90	1.37
27	20	5,200	4,056	0.78	1.21	5,000	3,900	0.78	1.30	4,700	3,666	0.78	1.39
27	22	5,600	3,696	0.66	1.24	5,400	3,564	0.66	1.33	5,100	3,366	0.66	1.42
28	16	4,450	4,450	1.00	1.15	4,250	4,250	1.00	1.24	4,050	4,050	1.00	1.34
28	18	4,800	4,512	0.94	1.18	4,650	4,371	0.94	1.27	4,350	4,089	0.94	1.37
28	20	5,200	4,264	0.82	1.21	5,000	4,100	0.82	1.30	4,700	3,854	0.82	1.39
28	22	5,600	3,920	0.70	1.24	5,400	3,780	0.70	1.33	5,100	3,570	0.70	1.42
30	16	4,450	4,450	1.00	1.15	4,250	4,250	1.00	1.24	4,050	4,050	1.00	1.34
30	18	4,800	4,800	1.00	1.18	4,650	4,650	1.00	1.27	4,350	4,350	1.00	1.37
30	20	5,200	4,680	0.90	1.21	5,000	4,500	0.90	1.30	4,700	4,230	0.90	1.39
30	22	5,600	4,368	0.78	1.24	5,400	4,212	0.78	1.33	5,100	3,978	0.78	1.42
32	16	4,450	4,450	1.00	1.15	4,250	4,250	1.00	1.24	4,050	4,050	1.00	1.34
32	18	4,800	4,800	1.00	1.18	4,650	4,650	1.00	1.27	4,350	4,350	1.00	1.37
32	20	5,200	5,096	0.98	1.21	5,000	4,900	0.98	1.30	4,700	4,606	0.98	1.39
32	22	5,600	4,816	0.86	1.24	5,400	4,644	0.86	1.33	5,100	4,386	0.86	1.42
34	16	4,450	4,450	1.00	1.15	4,250	4,250	1.00	1.24	4,050	4,050	1.00	1.34
34	18	4,800	4,800	1.00	1.18	4,650	4,650	1.00	1.27	4,350	4,350	1.00	1.37
34	20	5,200	5,200	1.00	1.21	5,000	5,000	1.00	1.30	4,700	4,700	1.00	1.39
34	22	5,600	5,264	0.94	1.24	5,400	5,076	0.94	1.33	5,100	4,794	0.94	1.42

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M60JA / PUZ-ZM60VHA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	SHC (W)	SHF	P.C.	25 CA	SHC (W)	SHF	P.C.	30 CA	SHC (W)	SHF	P.C.
20	16	6,039	4,408	0.73	1.21	5,856	4,275	0.73	1.28	5,673	4,141	0.73	1.35
20	18	6,466	3,944	0.61	1.23	6,283	3,833	0.61	1.30	6,070	3,702	0.61	1.39
20	20	6,954	3,407	0.49	1.27	6,802	3,333	0.49	1.33	6,619	3,243	0.49	1.42
22	16	6,039	4,892	0.81	1.21	5,856	4,743	0.81	1.28	5,673	4,595	0.81	1.35
22	18	6,466	4,462	0.69	1.23	6,283	4,335	0.69	1.30	6,070	4,188	0.69	1.39
22	20	6,954	3,964	0.57	1.27	6,802	3,877	0.57	1.33	6,619	3,773	0.57	1.42
24	16	6,039	5,375	0.89	1.21	5,856	5,212	0.89	1.28	5,673	5,049	0.89	1.35
24	18	6,466	4,979	0.77	1.23	6,283	4,838	0.77	1.30	6,070	4,674	0.77	1.39
24	20	6,954	4,520	0.65	1.27	6,802	4,421	0.65	1.33	6,619	4,302	0.65	1.42
24	22	7,412	3,928	0.53	1.30	7,259	3,847	0.53	1.37	7,076	3,750	0.53	1.46
26	16	6,039	5,858	0.97	1.21	5,856	5,680	0.97	1.28	5,673	5,503	0.97	1.35
26	18	6,466	5,496	0.85	1.23	6,283	5,341	0.85	1.30	6,070	5,159	0.85	1.39
26	20	6,954	5,076	0.73	1.27	6,802	4,965	0.73	1.33	6,619	4,832	0.73	1.42
26	22	7,412	4,521	0.61	1.30	7,259	4,428	0.61	1.37	7,076	4,316	0.61	1.46
27	16	6,039	6,039	1.00	1.21	5,856	5,856	1.00	1.28	5,673	5,673	1.00	1.35
27	18	6,466	5,755	0.89	1.23	6,283	5,592	0.89	1.30	6,070	5,402	0.89	1.39
27	20	6,954	5,355	0.77	1.27	6,802	5,237	0.77	1.33	6,619	5,096	0.77	1.42
27	22	7,412	4,817	0.65	1.30	7,259	4,718	0.65	1.37	7,076	4,599	0.65	1.46
28	16	6,039	6,039	1.00	1.21	5,856	5,856	1.00	1.28	5,673	5,673	1.00	1.35
28	18	6,466	6,013	0.93	1.23	6,283	5,843	0.93	1.30	6,070	5,645	0.93	1.39
28	20	6,954	5,633	0.81	1.27	6,802	5,509	0.81	1.33	6,619	5,361	0.81	1.42
28	22	7,412	5,114	0.69	1.30	7,259	5,009	0.69	1.37	7,076	4,882	0.69	1.46
30	16	6,039	6,039	1.00	1.21	5,856	5,856	1.00	1.28	5,673	5,673	1.00	1.35
30	18	6,466	6,466	1.00	1.23	6,283	6,283	1.00	1.30	6,070	6,070	1.00	1.39
30	20	6,954	6,189	0.89	1.27	6,802	6,053	0.89	1.33	6,619	5,890	0.89	1.42
30	22	7,412	5,707	0.77	1.30	7,259	5,589	0.77	1.37	7,076	5,449	0.77	1.46
32	16	6,039	6,039	1.00	1.21	5,856	5,856	1.00	1.28	5,673	5,673	1.00	1.35
32	18	6,466	6,466	1.00	1.23	6,283	6,283	1.00	1.30	6,070	6,070	1.00	1.39
32	20	6,954	6,745	0.97	1.27	6,802	6,597	0.97	1.33	6,619	6,420	0.97	1.42
32	22	7,412	6,300	0.85	1.30	7,259	6,170	0.85	1.37	7,076	6,015	0.85	1.46
34	16	6,039	6,039	1.00	1.21	5,856	5,856	1.00	1.28	5,673	5,673	1.00	1.35
34	18	6,466	6,466	1.00	1.23	6,283	6,283	1.00	1.30	6,070	6,070	1.00	1.39
34	20	6,954	6,954	1.00	1.27	6,802	6,802	1.00	1.33	6,619	6,619	1.00	1.42
34	22	7,412	6,893	0.93	1.30	7,259	6,751	0.93	1.37	7,076	6,581	0.93	1.46

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	SHC (W)	SHF	P.C.	40 CA	SHC (W)	SHF	P.C.	45 CA	SHC (W)	SHF	P.C.
20	16	5,429	3,963	0.73	1.45	5,185	3,785	0.73	1.55	4,941	3,607	0.73	1.68
20	18	5,856	3,572	0.61	1.49	5,673	3,461	0.61	1.60	5,307	3,237	0.61	1.72
20	20	6,344	3,109	0.49	1.52	6,100	2,989	0.49	1.63	5,734	2,810	0.49	1.75
22	16	5,429	4,397	0.81	1.45	5,185	4,200	0.81	1.55	4,941	4,002	0.81	1.68
22	18	5,856	4,041	0.69	1.49	5,673	3,914	0.69	1.60	5,307	3,662	0.69	1.72
22	20	6,344	3,616	0.57	1.52	6,100	3,477	0.57	1.63	5,734	3,268	0.57	1.75
24	16	5,429	4,832	0.89	1.45	5,185	4,615	0.89	1.55	4,941	4,397	0.89	1.68
24	18	5,856	4,509	0.77	1.49	5,673	4,368	0.77	1.60	5,307	4,086	0.77	1.72
24	20	6,344	4,124	0.65	1.52	6,100	3,965	0.65	1.63	5,734	3,727	0.65	1.75
24	22	6,832	3,621	0.53	1.55	6,588	3,492	0.53	1.67	6,222	3,298	0.53	1.78
26	16	5,429	5,266	0.97	1.45	5,185	5,029	0.97	1.55	4,941	4,793	0.97	1.68
26	18	5,856	4,978	0.85	1.49	5,673	4,822	0.85	1.60	5,307	4,511	0.85	1.72
26	20	6,344	4,631	0.73	1.52	6,100	4,453	0.73	1.63	5,734	4,186	0.73	1.75
26	22	6,832	4,168	0.61	1.55	6,588	4,019	0.61	1.67	6,222	3,795	0.61	1.78
27	16	5,429	5,429	1.00	1.45	5,185	5,185	1.00	1.55	4,941	4,941	1.00	1.68
27	18	5,856	5,212	0.89	1.49	5,673	5,049	0.89	1.60	5,307	4,723	0.89	1.72
27	20	6,344	4,885	0.77	1.52	6,100	4,697	0.77	1.63	5,734	4,415	0.77	1.75
27	22	6,832	4,441	0.65	1.55	6,588	4,282	0.65	1.67	6,222	4,044	0.65	1.78
28	16	5,429	5,429	1.00	1.45	5,185	5,185	1.00	1.55	4,941	4,941	1.00	1.68
28	18	5,856	5,446	0.93	1.49	5,673	5,276	0.93	1.60	5,307	4,936	0.93	1.72
28	20	6,344	5,139	0.81	1.52	6,100	4,941	0.81	1.63	5,734	4,645	0.81	1.75
28	22	6,832	4,714	0.69	1.55	6,588	4,546	0.69	1.67	6,222	4,293	0.69	1.78
30	16	5,429	5,429	1.00	1.45	5,185	5,185	1.00	1.55	4,941	4,941	1.00	1.68
30	18	5,856	5,856	1.00	1.49	5,673	5,673	1.00	1.60	5,307	5,307	1.00	1.72
30	20	6,344	5,646	0.89	1.52	6,100	5,429	0.89	1.63	5,734	5,103	0.89	1.75
30	22	6,832	5,261	0.77	1.55	6,588	5,073	0.77	1.67	6,222	4,791	0.77	1.78
32	16	5,429	5,429	1.00	1.45	5,185	5,185	1.00	1.55	4,941	4,941	1.00	1.68
32	18	5,856	5,856	1.00	1.49	5,673	5,673	1.00	1.60	5,307	5,307	1.00	1.72
32	20	6,344	6,154	0.97	1.52	6,100	5,917	0.97	1.63	5,734	5,562	0.97	1.75
32	22	6,832	5,807	0.85	1.55	6,588	5,600	0.85	1.67	6,222	5,289	0.85	1.78
34	16	5,429	5,429	1.00	1.45	5,185	5,185	1.00	1.55	4,941	4,941	1.00	1.68
34	18	5,856	5,856	1.00	1.49	5,673	5,673	1.00	1.60	5,307	5,307	1.00	1.72
34	20	6,344	6,344	1.00	1.52	6,100	6,100	1.00	1.63	5,734	5,734	1.00	1.75
34	22	6,832	6,354	0.93	1.55	6,588	6,127	0.93	1.67	6,222	5,786	0.93	1.78

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M71JA / PUZ-ZM71VHA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	7,029	5,131	0.73	1.49	6,816	4,976	0.73	1.57	6,603	4,820	0.73	1.66
20	18	7,526	4,591	0.61	1.51	7,313	4,461	0.61	1.60	7,065	4,309	0.61	1.71
20	20	8,094	3,966	0.49	1.56	7,917	3,879	0.49	1.64	7,704	3,775	0.49	1.75
22	16	7,029	5,693	0.81	1.49	6,816	5,521	0.81	1.57	6,603	5,348	0.81	1.66
22	18	7,526	5,193	0.69	1.51	7,313	5,046	0.69	1.60	7,065	4,875	0.69	1.71
22	20	8,094	4,614	0.57	1.56	7,917	4,512	0.57	1.64	7,704	4,391	0.57	1.75
24	16	7,029	6,256	0.89	1.49	6,816	6,066	0.89	1.57	6,603	5,877	0.89	1.66
24	18	7,526	5,795	0.77	1.51	7,313	5,631	0.77	1.60	7,065	5,440	0.77	1.71
24	20	8,094	5,261	0.65	1.56	7,917	5,146	0.65	1.64	7,704	5,007	0.65	1.75
24	22	8,627	4,572	0.53	1.60	8,449	4,478	0.53	1.69	8,236	4,365	0.53	1.80
26	16	7,029	6,818	0.97	1.49	6,816	6,612	0.97	1.57	6,603	6,405	0.97	1.66
26	18	7,526	6,397	0.85	1.51	7,313	6,216	0.85	1.60	7,065	6,005	0.85	1.71
26	20	8,094	5,909	0.73	1.56	7,917	5,779	0.73	1.64	7,704	5,624	0.73	1.75
26	22	8,627	5,262	0.61	1.60	8,449	5,154	0.61	1.69	8,236	5,024	0.61	1.80
27	16	7,029	7,029	1.00	1.49	6,816	6,816	1.00	1.57	6,603	6,603	1.00	1.66
27	18	7,526	6,698	0.89	1.51	7,313	6,509	0.89	1.60	7,065	6,287	0.89	1.71
27	20	8,094	6,232	0.77	1.56	7,917	6,096	0.77	1.64	7,704	5,932	0.77	1.75
27	22	8,627	5,607	0.65	1.60	8,449	5,492	0.65	1.69	8,236	5,353	0.65	1.80
28	16	7,029	7,029	1.00	1.49	6,816	6,816	1.00	1.57	6,603	6,603	1.00	1.66
28	18	7,526	6,999	0.93	1.51	7,313	6,801	0.93	1.60	7,065	6,570	0.93	1.71
28	20	8,094	6,556	0.81	1.56	7,917	6,412	0.81	1.64	7,704	6,240	0.81	1.75
28	22	8,627	5,952	0.69	1.60	8,449	5,830	0.69	1.69	8,236	5,683	0.69	1.80
30	16	7,029	7,029	1.00	1.49	6,816	6,816	1.00	1.57	6,603	6,603	1.00	1.66
30	18	7,526	7,526	1.00	1.51	7,313	7,313	1.00	1.60	7,065	7,065	1.00	1.71
30	20	8,094	7,204	0.89	1.56	7,917	7,046	0.89	1.64	7,704	6,856	0.89	1.75
30	22	8,627	6,642	0.77	1.60	8,449	6,506	0.77	1.69	8,236	6,342	0.77	1.80
32	16	7,029	7,029	1.00	1.49	6,816	6,816	1.00	1.57	6,603	6,603	1.00	1.66
32	18	7,526	7,526	1.00	1.51	7,313	7,313	1.00	1.60	7,065	7,065	1.00	1.71
32	20	8,094	7,851	0.97	1.56	7,917	7,679	0.97	1.64	7,704	7,472	0.97	1.75
32	22	8,627	7,333	0.85	1.60	8,449	7,182	0.85	1.69	8,236	7,001	0.85	1.80
34	16	7,029	7,029	1.00	1.49	6,816	6,816	1.00	1.57	6,603	6,603	1.00	1.66
34	18	7,526	7,526	1.00	1.51	7,313	7,313	1.00	1.60	7,065	7,065	1.00	1.71
34	20	8,094	8,094	1.00	1.56	7,917	7,917	1.00	1.64	7,704	7,704	1.00	1.75
34	22	8,627	8,023	0.93	1.60	8,449	7,858	0.93	1.69	8,236	7,659	0.93	1.80

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	6,319	4,613	0.73	1.78	6,035	4,406	0.73	1.91	5,751	4,198	0.73	2.07
20	18	6,816	4,158	0.61	1.83	6,603	4,028	0.61	1.97	6,177	3,768	0.61	2.12
20	20	7,384	3,618	0.49	1.88	7,100	3,479	0.49	2.01	6,674	3,270	0.49	2.16
22	16	6,319	5,118	0.81	1.78	6,035	4,888	0.81	1.91	5,751	4,658	0.81	2.07
22	18	6,816	4,703	0.69	1.83	6,603	4,556	0.69	1.97	6,177	4,262	0.69	2.12
22	20	7,384	4,209	0.57	1.88	7,100	4,047	0.57	2.01	6,674	3,804	0.57	2.16
24	16	6,319	5,624	0.89	1.78	6,035	5,371	0.89	1.91	5,751	5,118	0.89	2.07
24	18	6,816	5,248	0.77	1.83	6,603	5,084	0.77	1.97	6,177	4,756	0.77	2.12
24	20	7,384	4,800	0.65	1.88	7,100	4,615	0.65	2.01	6,674	4,338	0.65	2.16
24	22	7,952	4,215	0.53	1.91	7,668	4,064	0.53	2.06	7,242	3,838	0.53	2.19
26	16	6,319	6,129	0.97	1.78	6,035	5,854	0.97	1.91	5,751	5,578	0.97	2.07
26	18	6,816	5,794	0.85	1.83	6,603	5,613	0.85	1.97	6,177	5,250	0.85	2.12
26	20	7,384	5,390	0.73	1.88	7,100	5,183	0.73	2.01	6,674	4,872	0.73	2.16
26	22	7,952	4,851	0.61	1.91	7,668	4,677	0.61	2.06	7,242	4,418	0.61	2.19
27	16	6,319	6,319	1.00	1.78	6,035	6,035	1.00	1.91	5,751	5,751	1.00	2.07
27	18	6,816	6,066	0.89	1.83	6,603	5,877	0.89	1.97	6,177	5,498	0.89	2.12
27	20	7,384	5,686	0.77	1.88	7,100	5,467	0.77	2.01	6,674	5,139	0.77	2.16
27	22	7,952	5,169	0.65	1.91	7,668	4,984	0.65	2.06	7,242	4,707	0.65	2.19
28	16	6,319	6,319	1.00	1.78	6,035	6,035	1.00	1.91	5,751	5,751	1.00	2.07
28	18	6,816	6,339	0.93	1.83	6,603	6,141	0.93	1.97	6,177	5,745	0.93	2.12
28	20	7,384	5,981	0.81	1.88	7,100	5,751	0.81	2.01	6,674	5,406	0.81	2.16
28	22	7,952	5,487	0.69	1.91	7,668	5,291	0.69	2.06	7,242	4,997	0.69	2.19
30	16	6,319	6,319	1.00	1.78	6,035	6,035	1.00	1.91	5,751	5,751	1.00	2.07
30	18	6,816	6,816	1.00	1.83	6,603	6,603	1.00	1.97	6,177	6,177	1.00	2.12
30	20	7,384	6,572	0.89	1.88	7,100	6,319	0.89	2.01	6,674	5,940	0.89	2.16
30	22	7,952	6,123	0.77	1.91	7,668	5,904	0.77	2.06	7,242	5,576	0.77	2.19
32	16	6,319	6,319	1.00	1.78	6,035	6,035	1.00	1.91	5,751	5,751	1.00	2.07
32	18	6,816	6,816	1.00	1.83	6,603	6,603	1.00	1.97	6,177	6,177	1.00	2.12
32	20	7,384	7,162	0.97	1.88	7,100	6,887	0.97	2.01	6,674	6,474	0.97	2.16
32	22	7,952	6,759	0.85	1.91	7,668	6,518	0.85	2.06	7,242	6,156	0.85	2.19
34	16	6,319	6,319	1.00	1.78	6,035	6,035	1.00	1.91	5,751	5,751	1.00	2.07
34	18	6,816	6,816	1.00	1.83	6,603	6,603	1.00	1.97	6,177	6,177	1.00	2.12
34	20	7,384	7,384	1.00	1.88	7,100	7,100	1.00	2.01	6,674	6,674	1.00	2.16
34	22	7,952	7,395	0.93	1.91	7,668	7,131	0.93	2.06	7,242	6,735	0.93	2.19

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M100JA / PUZ-ZM100VKA PUZ-ZM100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	6,772	0.72	1.82	9,120	6,566	0.72	1.92	8,835	6,361	0.72	2.03
20	18	10,070	6,042	0.60	1.85	9,785	5,871	0.60	1.95	9,453	5,672	0.60	2.09
20	20	10,830	5,198	0.48	1.91	10,593	5,084	0.48	2.00	10,308	4,948	0.48	2.14
22	16	9,405	7,524	0.80	1.82	9,120	7,296	0.80	1.92	8,835	7,068	0.80	2.03
22	18	10,070	6,848	0.68	1.85	9,785	6,654	0.68	1.95	9,453	6,428	0.68	2.09
22	20	10,830	6,065	0.56	1.91	10,593	5,932	0.56	2.00	10,308	5,772	0.56	2.14
24	16	9,405	8,276	0.88	1.82	9,120	8,026	0.88	1.92	8,835	7,775	0.88	2.03
24	18	10,070	7,653	0.76	1.85	9,785	7,437	0.76	1.95	9,453	7,184	0.76	2.09
24	20	10,830	6,931	0.64	1.91	10,593	6,779	0.64	2.00	10,308	6,597	0.64	2.14
24	22	11,543	6,002	0.52	1.95	11,305	5,879	0.52	2.07	11,020	5,730	0.52	2.20
26	16	9,405	9,029	0.96	1.82	9,120	8,755	0.96	1.92	8,835	8,482	0.96	2.03
26	18	10,070	8,459	0.84	1.85	9,785	8,219	0.84	1.95	9,453	7,940	0.84	2.09
26	20	10,830	7,798	0.72	1.91	10,593	7,627	0.72	2.00	10,308	7,421	0.72	2.14
26	22	11,543	6,926	0.60	1.95	11,305	6,783	0.60	2.07	11,020	6,612	0.60	2.20
27	16	9,405	9,405	1.00	1.82	9,120	9,120	1.00	1.92	8,835	8,835	1.00	2.03
27	18	10,070	8,862	0.88	1.85	9,785	8,611	0.88	1.95	9,453	8,318	0.88	2.09
27	20	10,830	8,231	0.76	1.91	10,593	8,050	0.76	2.00	10,308	7,834	0.76	2.14
27	22	11,543	7,387	0.64	1.95	11,305	7,235	0.64	2.07	11,020	7,053	0.64	2.20
28	16	9,405	9,405	1.00	1.82	9,120	9,120	1.00	1.92	8,835	8,835	1.00	2.03
28	18	10,070	9,264	0.92	1.85	9,785	9,002	0.92	1.95	9,453	8,696	0.92	2.09
28	20	10,830	8,664	0.80	1.91	10,593	8,474	0.80	2.00	10,308	8,246	0.80	2.14
28	22	11,543	7,849	0.68	1.95	11,305	7,687	0.68	2.07	11,020	7,494	0.68	2.20
30	16	9,405	9,405	1.00	1.82	9,120	9,120	1.00	1.92	8,835	8,835	1.00	2.03
30	18	10,070	10,070	1.00	1.85	9,785	9,785	1.00	1.95	9,453	9,453	1.00	2.09
30	20	10,830	9,530	0.88	1.91	10,593	9,321	0.88	2.00	10,308	9,071	0.88	2.14
30	22	11,543	8,772	0.76	1.95	11,305	8,592	0.76	2.07	11,020	8,375	0.76	2.20
32	16	9,405	9,405	1.00	1.82	9,120	9,120	1.00	1.92	8,835	8,835	1.00	2.03
32	18	10,070	10,070	1.00	1.85	9,785	9,785	1.00	1.95	9,453	9,453	1.00	2.09
32	20	10,830	10,397	0.96	1.91	10,593	10,169	0.96	2.00	10,308	9,895	0.96	2.14
32	22	11,543	9,696	0.84	1.95	11,305	9,496	0.84	2.07	11,020	9,257	0.84	2.20
34	16	9,405	9,405	1.00	1.82	9,120	9,120	1.00	1.92	8,835	8,835	1.00	2.03
34	18	10,070	10,070	1.00	1.85	9,785	9,785	1.00	1.95	9,453	9,453	1.00	2.09
34	20	10,830	10,830	1.00	1.91	10,593	10,593	1.00	2.00	10,308	10,308	1.00	2.14
34	22	11,543	10,619	0.92	1.95	11,305	10,401	0.92	2.07	11,020	10,138	0.92	2.20

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	6,088	0.72	2.18	8,075	5,814	0.72	2.34	7,695	5,540	0.72	2.53
20	18	9,120	5,472	0.60	2.24	8,835	5,301	0.60	2.41	8,265	4,959	0.60	2.59
20	20	9,880	4,742	0.48	2.29	9,500	4,560	0.48	2.45	8,930	4,286	0.48	2.64
22	16	8,455	6,764	0.80	2.18	8,075	6,460	0.80	2.34	7,695	6,156	0.80	2.53
22	18	9,120	6,202	0.68	2.24	8,835	6,008	0.68	2.41	8,265	5,620	0.68	2.59
22	20	9,880	5,533	0.56	2.29	9,500	5,320	0.56	2.45	8,930	5,001	0.56	2.64
24	16	8,455	7,440	0.88	2.18	8,075	7,106	0.88	2.34	7,695	6,772	0.88	2.53
24	18	9,120	6,931	0.76	2.24	8,835	6,715	0.76	2.41	8,265	6,281	0.76	2.59
24	20	9,880	6,323	0.64	2.29	9,500	6,080	0.64	2.45	8,930	5,715	0.64	2.64
24	22	10,640	5,533	0.52	2.34	10,260	5,335	0.52	2.52	9,690	5,039	0.52	2.68
26	16	8,455	8,117	0.96	2.18	8,075	7,752	0.96	2.34	7,695	7,387	0.96	2.53
26	18	9,120	7,661	0.84	2.24	8,835	7,421	0.84	2.41	8,265	6,943	0.84	2.59
26	20	9,880	7,114	0.72	2.29	9,500	6,840	0.72	2.45	8,930	6,430	0.72	2.64
26	22	10,640	6,384	0.60	2.34	10,260	6,156	0.60	2.52	9,690	5,814	0.60	2.68
27	16	8,455	8,455	1.00	2.18	8,075	8,075	1.00	2.34	7,695	7,695	1.00	2.53
27	18	9,120	8,026	0.88	2.24	8,835	7,775	0.88	2.41	8,265	7,273	0.88	2.59
27	20	9,880	7,509	0.76	2.29	9,500	7,220	0.76	2.45	8,930	6,787	0.76	2.64
27	22	10,640	6,810	0.64	2.34	10,260	6,566	0.64	2.52	9,690	6,202	0.64	2.68
28	16	8,455	8,455	1.00	2.18	8,075	8,075	1.00	2.34	7,695	7,695	1.00	2.53
28	18	9,120	8,390	0.92	2.24	8,835	8,128	0.92	2.41	8,265	7,604	0.92	2.59
28	20	9,880	7,904	0.80	2.29	9,500	7,600	0.80	2.45	8,930	7,144	0.80	2.64
28	22	10,640	7,235	0.68	2.34	10,260	6,977	0.68	2.52	9,690	6,589	0.68	2.68
30	16	8,455	8,455	1.00	2.18	8,075	8,075	1.00	2.34	7,695	7,695	1.00	2.53
30	18	9,120	9,120	1.00	2.24	8,835	8,835	1.00	2.41	8,265	8,265	1.00	2.59
30	20	9,880	8,694	0.88	2.29	9,500	8,360	0.88	2.45	8,930	7,858	0.88	2.64
30	22	10,640	8,086	0.76	2.34	10,260	7,798	0.76	2.52	9,690	7,364	0.76	2.68
32	16	8,455	8,455	1.00	2.18	8,075	8,075	1.00	2.34	7,695	7,695	1.00	2.53
32	18	9,120	9,120	1.00	2.24	8,835	8,835	1.00	2.41	8,265	8,265	1.00	2.59
32	20	9,880	9,485	0.96	2.29	9,500	9,120	0.96	2.45	8,930	8,573	0.96	2.64
32	22	10,640	8,938	0.84	2.34	10,260	8,618	0.84	2.52	9,690	8,140	0.84	2.68
34	16	8,455	8,455	1.00	2.18	8,075	8,075	1.00	2.34	7,695	7,695	1.00	2.53
34	18	9,120	9,120	1.00	2.24	8,835	8,835	1.00	2.41	8,265	8,265	1.00	2.59
34	20	9,880	9,880	1.00	2.29	9,500	9,500	1.00	2.45	8,930	8,930	1.00	2.64
34	22	10,640	9,789	0.92	2.34	10,260	9,439	0.92	2.52	9,690	8,915	0.92	2.68

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M125JA / PUZ-ZM125VKA PUZ-ZM125YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	12,375	9,158	0.74	2.67	12,000	8,880	0.74	2.82	11,625	8,603	0.74	2.98
20	18	13,250	8,215	0.62	2.72	12,875	7,983	0.62	2.87	12,438	7,711	0.62	3.07
20	20	14,250	7,125	0.50	2.80	13,938	6,969	0.50	2.93	13,563	6,781	0.50	3.13
22	16	12,375	10,148	0.82	2.67	12,000	9,840	0.82	2.82	11,625	9,533	0.82	2.98
22	18	13,250	9,275	0.70	2.72	12,875	9,013	0.70	2.87	12,438	8,706	0.70	3.07
22	20	14,250	8,265	0.58	2.80	13,938	8,084	0.58	2.93	13,563	7,866	0.58	3.13
24	16	12,375	11,138	0.90	2.67	12,000	10,800	0.90	2.82	11,625	10,463	0.90	2.98
24	18	13,250	10,335	0.78	2.72	12,875	10,043	0.78	2.87	12,438	9,701	0.78	3.07
24	20	14,250	9,405	0.66	2.80	13,938	9,199	0.66	2.93	13,563	8,951	0.66	3.13
24	22	15,188	8,201	0.54	2.87	14,875	8,033	0.54	3.03	14,500	7,830	0.54	3.23
26	16	12,375	12,128	0.98	2.67	12,000	11,760	0.98	2.82	11,625	11,393	0.98	2.98
26	18	13,250	11,395	0.86	2.72	12,875	11,073	0.86	2.87	12,438	10,696	0.86	3.07
26	20	14,250	10,545	0.74	2.80	13,938	10,314	0.74	2.93	13,563	10,036	0.74	3.13
26	22	15,188	9,416	0.62	2.87	14,875	9,223	0.62	3.03	14,500	8,990	0.62	3.23
27	16	12,375	12,375	1.00	2.67	12,000	12,000	1.00	2.82	11,625	11,625	1.00	2.98
27	18	13,250	11,925	0.90	2.72	12,875	11,588	0.90	2.87	12,438	11,194	0.90	3.07
27	20	14,250	11,115	0.78	2.80	13,938	10,871	0.78	2.93	13,563	10,579	0.78	3.13
27	22	15,188	10,024	0.66	2.87	14,875	9,818	0.66	3.03	14,500	9,570	0.66	3.23
28	16	12,375	12,375	1.00	2.67	12,000	12,000	1.00	2.82	11,625	11,625	1.00	2.98
28	18	13,250	12,455	0.94	2.72	12,875	12,103	0.94	2.87	12,438	11,691	0.94	3.07
28	20	14,250	11,685	0.82	2.80	13,938	11,429	0.82	2.93	13,563	11,121	0.82	3.13
28	22	15,188	10,631	0.70	2.87	14,875	10,413	0.70	3.03	14,500	10,150	0.70	3.23
30	16	12,375	12,375	1.00	2.67	12,000	12,000	1.00	2.82	11,625	11,625	1.00	2.98
30	18	13,250	13,250	1.00	2.72	12,875	12,875	1.00	2.87	12,438	12,438	1.00	3.07
30	20	14,250	12,825	0.90	2.80	13,938	12,544	0.90	2.93	13,563	12,206	0.90	3.13
30	22	15,188	11,846	0.78	2.87	14,875	11,603	0.78	3.03	14,500	11,310	0.78	3.23
32	16	12,375	12,375	1.00	2.67	12,000	12,000	1.00	2.82	11,625	11,625	1.00	2.98
32	18	13,250	13,250	1.00	2.72	12,875	12,875	1.00	2.87	12,438	12,438	1.00	3.07
32	20	14,250	13,965	0.98	2.80	13,938	13,659	0.98	2.93	13,563	13,291	0.98	3.13
32	22	15,188	13,061	0.86	2.87	14,875	12,793	0.86	3.03	14,500	12,470	0.86	3.23
34	16	12,375	12,375	1.00	2.67	12,000	12,000	1.00	2.82	11,625	11,625	1.00	2.98
34	18	13,250	13,250	1.00	2.72	12,875	12,875	1.00	2.87	12,438	12,438	1.00	3.07
34	20	14,250	14,250	1.00	2.80	13,938	13,938	1.00	2.93	13,563	13,563	1.00	3.13
34	22	15,188	14,276	0.94	2.87	14,875	13,983	0.94	3.03	14,500	13,630	0.94	3.23

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,125	8,233	0.74	3.20	10,625	7,863	0.74	3.43	10,125	7,493	0.74	3.72
20	18	12,000	7,440	0.62	3.28	11,625	7,208	0.62	3.53	10,875	6,743	0.62	3.80
20	20	13,000	6,500	0.50	3.37	12,500	6,250	0.50	3.60	11,750	5,875	0.50	3.87
22	16	11,125	9,123	0.82	3.20	10,625	8,713	0.82	3.43	10,125	8,303	0.82	3.72
22	18	12,000	8,400	0.70	3.28	11,625	8,138	0.70	3.53	10,875	7,613	0.70	3.80
22	20	13,000	7,540	0.58	3.37	12,500	7,250	0.58	3.60	11,750	6,815	0.58	3.87
24	16	11,125	10,013	0.90	3.20	10,625	9,563	0.90	3.43	10,125	9,113	0.90	3.72
24	18	12,000	9,360	0.78	3.28	11,625	9,068	0.78	3.53	10,875	8,483	0.78	3.80
24	20	13,000	8,580	0.66	3.37	12,500	8,250	0.66	3.60	11,750	7,755	0.66	3.87
24	22	14,000	7,560	0.54	3.43	13,500	7,290	0.54	3.70	12,750	6,885	0.54	3.93
26	16	11,125	10,903	0.98	3.20	10,625	10,413	0.98	3.43	10,125	9,923	0.98	3.72
26	18	12,000	10,320	0.86	3.28	11,625	9,998	0.86	3.53	10,875	9,353	0.86	3.80
26	20	13,000	9,620	0.74	3.37	12,500	9,250	0.74	3.60	11,750	8,695	0.74	3.87
26	22	14,000	8,680	0.62	3.43	13,500	8,370	0.62	3.70	12,750	7,905	0.62	3.93
27	16	11,125	11,125	1.00	3.20	10,625	10,625	1.00	3.43	10,125	10,125	1.00	3.72
27	18	12,000	10,800	0.90	3.28	11,625	10,463	0.90	3.53	10,875	9,788	0.90	3.80
27	20	13,000	10,140	0.78	3.37	12,500	9,750	0.78	3.60	11,750	9,165	0.78	3.87
27	22	14,000	9,240	0.66	3.43	13,500	8,910	0.66	3.70	12,750	8,415	0.66	3.93
28	16	11,125	11,125	1.00	3.20	10,625	10,625	1.00	3.43	10,125	10,125	1.00	3.72
28	18	12,000	11,280	0.94	3.28	11,625	10,928	0.94	3.53	10,875	10,223	0.94	3.80
28	20	13,000	10,660	0.82	3.37	12,500	10,250	0.82	3.60	11,750	9,635	0.82	3.87
28	22	14,000	9,800	0.70	3.43	13,500	9,450	0.70	3.70	12,750	8,925	0.70	3.93
30	16	11,125	11,125	1.00	3.20	10,625	10,625	1.00	3.43	10,125	10,125	1.00	3.72
30	18	12,000	12,000	1.00	3.28	11,625	11,625	1.00	3.53	10,875	10,875	1.00	3.80
30	20	13,000	11,700	0.90	3.37	12,500	11,250	0.90	3.60	11,750	10,575	0.90	3.87
30	22	14,000	10,920	0.78	3.43	13,500	10,530	0.78	3.70	12,750	9,945	0.78	3.93
32	16	11,125	11,125	1.00	3.20	10,625	10,625	1.00	3.43	10,125	10,125	1.00	3.72
32	18	12,000	12,000	1.00	3.28	11,625	11,625	1.00	3.53	10,875	10,875	1.00	3.80
32	20	13,000	12,740	0.98	3.37	12,500	12,250	0.98	3.60	11,750	11,515	0.98	3.87
32	22	14,000	12,040	0.86	3.43	13,500	11,610	0.86	3.70	12,750	10,965	0.86	3.93
34	16	11,125	11,125	1.00	3.20	10,625	10,625	1.00	3.43	10,125	10,125	1.00	3.72
34	18	12,000	12,000	1.00	3.28	11,625	11,625	1.00	3.53	10,875	10,875	1.00	3.80
34	20	13,000	13,000	1.00	3.37	12,500	12,500	1.00	3.60	11,750	11,750	1.00	3.87
34	22	14,000	13,160	0.94	3.43	13,500	12,690	0.94	3.70	12,750	11,985	0.94	3.93

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M140JA / PUZ-ZM140VKA PUZ-ZM140YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,266	9,817	0.74	2.90	12,864	9,519	0.74	3.07	12,462	9,222	0.74	3.25
20	18	14,204	8,806	0.62	2.96	13,802	8,557	0.62	3.12	13,333	8,266	0.62	3.34
20	20	15,276	7,638	0.50	3.05	14,941	7,471	0.50	3.20	14,539	7,270	0.50	3.41
22	16	13,266	10,878	0.82	2.90	12,864	10,548	0.82	3.07	12,462	10,219	0.82	3.25
22	18	14,204	9,943	0.70	2.96	13,802	9,661	0.70	3.12	13,333	9,333	0.70	3.34
22	20	15,276	8,860	0.58	3.05	14,941	8,666	0.58	3.20	14,539	8,433	0.58	3.41
24	16	13,266	11,939	0.90	2.90	12,864	11,578	0.90	3.07	12,462	11,216	0.90	3.25
24	18	14,204	11,079	0.78	2.96	13,802	10,766	0.78	3.12	13,333	10,400	0.78	3.34
24	20	15,276	10,082	0.66	3.05	14,941	9,861	0.66	3.20	14,539	9,596	0.66	3.41
24	22	16,281	8,792	0.54	3.12	15,946	8,611	0.54	3.30	15,544	8,394	0.54	3.52
26	16	13,266	13,001	0.98	2.90	12,864	12,607	0.98	3.07	12,462	12,213	0.98	3.25
26	18	14,204	12,215	0.86	2.96	13,802	11,870	0.86	3.12	13,333	11,466	0.86	3.34
26	20	15,276	11,304	0.74	3.05	14,941	11,056	0.74	3.20	14,539	10,759	0.74	3.41
26	22	16,281	10,094	0.62	3.12	15,946	9,887	0.62	3.30	15,544	9,637	0.62	3.52
27	16	13,266	13,266	1.00	2.90	12,864	12,864	1.00	3.07	12,462	12,462	1.00	3.25
27	18	14,204	12,784	0.90	2.96	13,802	12,422	0.90	3.12	13,333	12,000	0.90	3.34
27	20	15,276	11,915	0.78	3.05	14,941	11,654	0.78	3.20	14,539	11,340	0.78	3.41
27	22	16,281	10,745	0.66	3.12	15,946	10,524	0.66	3.30	15,544	10,259	0.66	3.52
28	16	13,266	13,266	1.00	2.90	12,864	12,864	1.00	3.07	12,462	12,462	1.00	3.25
28	18	14,204	13,352	0.94	2.96	13,802	12,974	0.94	3.12	13,333	12,533	0.94	3.34
28	20	15,276	12,526	0.82	3.05	14,941	12,252	0.82	3.20	14,539	11,922	0.82	3.41
28	22	16,281	11,397	0.70	3.12	15,946	11,162	0.70	3.30	15,544	10,881	0.70	3.52
30	16	13,266	13,266	1.00	2.90	12,864	12,864	1.00	3.07	12,462	12,462	1.00	3.25
30	18	14,204	14,204	1.00	2.96	13,802	13,802	1.00	3.12	13,333	13,333	1.00	3.34
30	20	15,276	13,748	0.90	3.05	14,941	13,447	0.90	3.20	14,539	13,085	0.90	3.41
30	22	16,281	12,699	0.78	3.12	15,946	12,438	0.78	3.30	15,544	12,124	0.78	3.52
32	16	13,266	13,266	1.00	2.90	12,864	12,864	1.00	3.07	12,462	12,462	1.00	3.25
32	18	14,204	14,204	1.00	2.96	13,802	13,802	1.00	3.12	13,333	13,333	1.00	3.34
32	20	15,276	14,970	0.98	3.05	14,941	14,642	0.98	3.20	14,539	14,248	0.98	3.41
32	22	16,281	14,002	0.86	3.12	15,946	13,714	0.86	3.30	15,544	13,368	0.86	3.52
34	16	13,266	13,266	1.00	2.90	12,864	12,864	1.00	3.07	12,462	12,462	1.00	3.25
34	18	14,204	14,204	1.00	2.96	13,802	13,802	1.00	3.12	13,333	13,333	1.00	3.34
34	20	15,276	15,276	1.00	3.05	14,941	14,941	1.00	3.20	14,539	14,539	1.00	3.41
34	22	16,281	15,304	0.94	3.12	15,946	14,989	0.94	3.30	15,544	14,611	0.94	3.52

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,926	8,825	0.74	3.49	11,390	8,429	0.74	3.74	10,854	8,032	0.74	4.05
20	18	12,864	7,976	0.62	3.58	12,462	7,726	0.62	3.85	11,658	7,228	0.62	4.14
20	20	13,936	6,968	0.50	3.67	13,400	6,700	0.50	3.92	12,596	6,298	0.50	4.21
22	16	11,926	9,779	0.82	3.49	11,390	9,340	0.82	3.74	10,854	8,900	0.82	4.05
22	18	12,864	9,005	0.70	3.58	12,462	8,723	0.70	3.85	11,658	8,161	0.70	4.14
22	20	13,936	8,083	0.58	3.67	13,400	7,772	0.58	3.92	12,596	7,306	0.58	4.21
24	16	11,926	10,733	0.90	3.49	11,390	10,251	0.90	3.74	10,854	9,769	0.90	4.05
24	18	12,864	10,034	0.78	3.58	12,462	9,720	0.78	3.85	11,658	9,093	0.78	4.14
24	20	13,936	9,198	0.66	3.67	13,400	8,844	0.66	3.92	12,596	8,313	0.66	4.21
24	22	15,008	8,104	0.54	3.74	14,472	7,815	0.54	4.03	13,668	7,381	0.54	4.28
26	16	11,926	11,687	0.98	3.49	11,390	11,162	0.98	3.74	10,854	10,637	0.98	4.05
26	18	12,864	11,063	0.86	3.58	12,462	10,717	0.86	3.85	11,658	10,026	0.86	4.14
26	20	13,936	10,313	0.74	3.67	13,400	9,916	0.74	3.92	12,596	9,321	0.74	4.21
26	22	15,008	9,305	0.62	3.74	14,472	8,973	0.62	4.03	13,668	8,474	0.62	4.28
27	16	11,926	11,926	1.00	3.49	11,390	11,390	1.00	3.74	10,854	10,854	1.00	4.05
27	18	12,864	11,578	0.90	3.58	12,462	11,216	0.90	3.85	11,658	10,492	0.90	4.14
27	20	13,936	10,870	0.78	3.67	13,400	10,452	0.78	3.92	12,596	9,825	0.78	4.21
27	22	15,008	9,905	0.66	3.74	14,472	9,552	0.66	4.03	13,668	9,021	0.66	4.28
28	16	11,926	11,926	1.00	3.49	11,390	11,390	1.00	3.74	10,854	10,854	1.00	4.05
28	18	12,864	12,092	0.94	3.58	12,462	11,714	0.94	3.85	11,658	10,959	0.94	4.14
28	20	13,936	11,428	0.82	3.67	13,400	10,988	0.82	3.92	12,596	10,329	0.82	4.21
28	22	15,008	10,506	0.70	3.74	14,472	10,130	0.70	4.03	13,668	9,568	0.70	4.28
30	16	11,926	11,926	1.00	3.49	11,390	11,390	1.00	3.74	10,854	10,854	1.00	4.05
30	18	12,864	12,864	1.00	3.58	12,462	12,462	1.00	3.85	11,658	11,658	1.00	4.14
30	20	13,936	12,542	0.90	3.67	13,400	12,060	0.90	3.92	12,596	11,336	0.90	4.21
30	22	15,008	11,706	0.78	3.74	14,472	11,288	0.78	4.03	13,668	10,661	0.78	4.28
32	16	11,926	11,926	1.00	3.49	11,390	11,390	1.00	3.74	10,854	10,854	1.00	4.05
32	18	12,864	12,864	1.00	3.58	12,462	12,462	1.00	3.85	11,658	11,658	1.00	4.14
32	20	13,936	13,657	0.98	3.67	13,400	13,132	0.98	3.92	12,596	12,344	0.98	4.21
32	22	15,008	12,907	0.86	3.74	14,472	12,446	0.86	4.03	13,668	11,754	0.86	4.28
34	16	11,926	11,926	1.00	3.49	11,390	11,390	1.00	3.74	10,854	10,854	1.00	4.05
34	18	12,864	12,864	1.00	3.58	12,462	12,462	1.00	3.85	11,658	11,658	1.00	4.14
34	20	13,936	13,936	1.00	3.67	13,400	13,400	1.00	3.92	12,596	12,596	1.00	4.21
34	22	15,008	14,108	0.94	3.74	14,472	13,604	0.94	4.03	13,668	12,848	0.94	4.28

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M35JAL / PUZ-ZM35VKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	3,564	2,673	0.75	0.66	3,456	2,592	0.75	0.69	3,348	2,511	0.75	0.73
20	18	3,816	2,404	0.63	0.67	3,708	2,336	0.63	0.71	3,582	2,257	0.63	0.75
20	20	4,104	2,093	0.51	0.69	4,014	2,047	0.51	0.72	3,906	1,992	0.51	0.77
22	16	3,564	2,958	0.83	0.66	3,456	2,868	0.83	0.69	3,348	2,779	0.83	0.73
22	18	3,816	2,709	0.71	0.67	3,708	2,633	0.71	0.71	3,582	2,543	0.71	0.75
22	20	4,104	2,421	0.59	0.69	4,014	2,368	0.59	0.72	3,906	2,305	0.59	0.77
24	16	3,564	3,243	0.91	0.66	3,456	3,145	0.91	0.69	3,348	3,047	0.91	0.73
24	18	3,816	3,015	0.79	0.67	3,708	2,929	0.79	0.71	3,582	2,830	0.79	0.75
24	20	4,104	2,750	0.67	0.69	4,014	2,689	0.67	0.72	3,906	2,617	0.67	0.77
24	22	4,374	2,406	0.55	0.71	4,284	2,356	0.55	0.75	4,176	2,297	0.55	0.80
26	16	3,564	3,528	0.99	0.66	3,456	3,421	0.99	0.69	3,348	3,315	0.99	0.73
26	18	3,816	3,320	0.87	0.67	3,708	3,226	0.87	0.71	3,582	3,116	0.87	0.75
26	20	4,104	3,078	0.75	0.69	4,014	3,011	0.75	0.72	3,906	2,930	0.75	0.77
26	22	4,374	2,756	0.63	0.71	4,284	2,699	0.63	0.75	4,176	2,631	0.63	0.80
27	16	3,564	3,564	1.00	0.66	3,456	3,456	1.00	0.69	3,348	3,348	1.00	0.73
27	18	3,816	3,473	0.91	0.67	3,708	3,374	0.91	0.71	3,582	3,260	0.91	0.75
27	20	4,104	3,242	0.79	0.69	4,014	3,171	0.79	0.72	3,906	3,086	0.79	0.77
27	22	4,374	2,931	0.67	0.71	4,284	2,870	0.67	0.75	4,176	2,798	0.67	0.80
28	16	3,564	3,564	1.00	0.66	3,456	3,456	1.00	0.69	3,348	3,348	1.00	0.73
28	18	3,816	3,625	0.95	0.67	3,708	3,523	0.95	0.71	3,582	3,403	0.95	0.75
28	20	4,104	3,406	0.83	0.69	4,014	3,332	0.83	0.72	3,906	3,242	0.83	0.77
28	22	4,374	3,106	0.71	0.71	4,284	3,042	0.71	0.75	4,176	2,965	0.71	0.80
30	16	3,564	3,564	1.00	0.66	3,456	3,456	1.00	0.69	3,348	3,348	1.00	0.73
30	18	3,816	3,816	1.00	0.67	3,708	3,708	1.00	0.71	3,582	3,582	1.00	0.75
30	20	4,104	3,735	0.91	0.69	4,014	3,653	0.91	0.72	3,906	3,554	0.91	0.77
30	22	4,374	3,455	0.79	0.71	4,284	3,384	0.79	0.75	4,176	3,299	0.79	0.80
32	16	3,564	3,564	1.00	0.66	3,456	3,456	1.00	0.69	3,348	3,348	1.00	0.73
32	18	3,816	3,816	1.00	0.67	3,708	3,708	1.00	0.71	3,582	3,582	1.00	0.75
32	20	4,104	4,063	0.99	0.69	4,014	3,974	0.99	0.72	3,906	3,867	0.99	0.77
32	22	4,374	3,805	0.87	0.71	4,284	3,727	0.87	0.75	4,176	3,633	0.87	0.80
34	16	3,564	3,564	1.00	0.66	3,456	3,456	1.00	0.69	3,348	3,348	1.00	0.73
34	18	3,816	3,816	1.00	0.67	3,708	3,708	1.00	0.71	3,582	3,582	1.00	0.75
34	20	4,104	4,104	1.00	0.69	4,014	4,014	1.00	0.72	3,906	3,906	1.00	0.77
34	22	4,374	4,155	0.95	0.71	4,284	4,070	0.95	0.75	4,176	3,967	0.95	0.80

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	3,204	2,403	0.75	0.79	3,060	2,295	0.75	0.84	2,916	2,187	0.75	0.91
20	18	3,456	2,177	0.63	0.81	3,348	2,109	0.63	0.87	3,132	1,973	0.63	0.93
20	20	3,744	1,909	0.51	0.83	3,600	1,836	0.51	0.89	3,384	1,726	0.51	0.95
22	16	3,204	2,659	0.83	0.79	3,060	2,540	0.83	0.84	2,916	2,420	0.83	0.91
22	18	3,456	2,454	0.71	0.81	3,348	2,377	0.71	0.87	3,132	2,224	0.71	0.93
22	20	3,744	2,209	0.59	0.83	3,600	2,124	0.59	0.89	3,384	1,997	0.59	0.95
24	16	3,204	2,916	0.91	0.79	3,060	2,785	0.91	0.84	2,916	2,654	0.91	0.91
24	18	3,456	2,730	0.79	0.81	3,348	2,645	0.79	0.87	3,132	2,474	0.79	0.93
24	20	3,744	2,508	0.67	0.83	3,600	2,412	0.67	0.89	3,384	2,267	0.67	0.95
24	22	4,032	2,218	0.55	0.84	3,888	2,138	0.55	0.91	3,672	2,020	0.55	0.97
26	16	3,204	3,172	0.99	0.79	3,060	3,029	0.99	0.84	2,916	2,887	0.99	0.91
26	18	3,456	3,007	0.87	0.81	3,348	2,913	0.87	0.87	3,132	2,725	0.87	0.93
26	20	3,744	2,808	0.75	0.83	3,600	2,700	0.75	0.89	3,384	2,538	0.75	0.95
26	22	4,032	2,540	0.63	0.84	3,888	2,449	0.63	0.91	3,672	2,313	0.63	0.97
27	16	3,204	3,204	1.00	0.79	3,060	3,060	1.00	0.84	2,916	2,916	1.00	0.91
27	18	3,456	3,145	0.91	0.81	3,348	3,047	0.91	0.87	3,132	2,850	0.91	0.93
27	20	3,744	2,958	0.79	0.83	3,600	2,844	0.79	0.89	3,384	2,673	0.79	0.95
27	22	4,032	2,701	0.67	0.84	3,888	2,605	0.67	0.91	3,672	2,460	0.67	0.97
28	16	3,204	3,204	1.00	0.79	3,060	3,060	1.00	0.84	2,916	2,916	1.00	0.91
28	18	3,456	3,283	0.95	0.81	3,348	3,181	0.95	0.87	3,132	2,975	0.95	0.93
28	20	3,744	3,108	0.83	0.83	3,600	2,988	0.83	0.89	3,384	2,809	0.83	0.95
28	22	4,032	2,863	0.71	0.84	3,888	2,760	0.71	0.91	3,672	2,607	0.71	0.97
30	16	3,204	3,204	1.00	0.79	3,060	3,060	1.00	0.84	2,916	2,916	1.00	0.91
30	18	3,456	3,456	1.00	0.81	3,348	3,348	1.00	0.87	3,132	3,132	1.00	0.93
30	20	3,744	3,407	0.91	0.83	3,600	3,276	0.91	0.89	3,384	3,079	0.91	0.95
30	22	4,032	3,185	0.79	0.84	3,888	3,072	0.79	0.91	3,672	2,901	0.79	0.97
32	16	3,204	3,204	1.00	0.79	3,060	3,060	1.00	0.84	2,916	2,916	1.00	0.91
32	18	3,456	3,456	1.00	0.81	3,348	3,348	1.00	0.87	3,132	3,132	1.00	0.93
32	20	3,744	3,707	0.99	0.83	3,600	3,564	0.99	0.89	3,384	3,350	0.99	0.95
32	22	4,032	3,508	0.87	0.84	3,888	3,383	0.87	0.91	3,672	3,195	0.87	0.97
34	16	3,204	3,204	1.00	0.79	3,060	3,060	1.00	0.84	2,916	2,916	1.00	0.91
34	18	3,456	3,456	1.00	0.81	3,348	3,348	1.00	0.87	3,132	3,132	1.00	0.93
34	20	3,744	3,744	1.00	0.83	3,600	3,600	1.00	0.89	3,384	3,384	1.00	0.95
34	22	4,032	3,830	0.95	0.84	3,888	3,694	0.95	0.91	3,672	3,488	0.95	0.97

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M50JAL / PUZ-ZM50VKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	4,950	3,663	0.74	0.95	4,800	3,552	0.74	1.00	4,650	3,441	0.74	1.06
20	18	5,300	3,286	0.62	0.97	5,150	3,193	0.62	1.02	4,975	3,085	0.62	1.09
20	20	5,700	2,850	0.50	1.00	5,575	2,788	0.50	1.04	5,425	2,713	0.50	1.12
22	16	4,950	4,059	0.82	0.95	4,800	3,936	0.82	1.00	4,650	3,813	0.82	1.06
22	18	5,300	3,710	0.70	0.97	5,150	3,605	0.70	1.02	4,975	3,483	0.70	1.09
22	20	5,700	3,306	0.58	1.00	5,575	3,234	0.58	1.04	5,425	3,147	0.58	1.12
24	16	4,950	4,455	0.90	0.95	4,800	4,320	0.90	1.00	4,650	4,185	0.90	1.06
24	18	5,300	4,134	0.78	0.97	5,150	4,017	0.78	1.02	4,975	3,881	0.78	1.09
24	20	5,700	3,762	0.66	1.00	5,575	3,680	0.66	1.04	5,425	3,581	0.66	1.12
24	22	6,075	3,281	0.54	1.02	5,950	3,213	0.54	1.08	5,800	3,132	0.54	1.15
26	16	4,950	4,851	0.98	0.95	4,800	4,704	0.98	1.00	4,650	4,557	0.98	1.06
26	18	5,300	4,558	0.86	0.97	5,150	4,429	0.86	1.02	4,975	4,279	0.86	1.09
26	20	5,700	4,218	0.74	1.00	5,575	4,126	0.74	1.04	5,425	4,015	0.74	1.12
26	22	6,075	3,767	0.62	1.02	5,950	3,689	0.62	1.08	5,800	3,596	0.62	1.15
27	16	4,950	4,950	1.00	0.95	4,800	4,800	1.00	1.00	4,650	4,650	1.00	1.06
27	18	5,300	4,770	0.90	0.97	5,150	4,635	0.90	1.02	4,975	4,478	0.90	1.09
27	20	5,700	4,446	0.78	1.00	5,575	4,349	0.78	1.04	5,425	4,232	0.78	1.12
27	22	6,075	4,010	0.66	1.02	5,950	3,927	0.66	1.08	5,800	3,828	0.66	1.15
28	16	4,950	4,950	1.00	0.95	4,800	4,800	1.00	1.00	4,650	4,650	1.00	1.06
28	18	5,300	4,982	0.94	0.97	5,150	4,841	0.94	1.02	4,975	4,677	0.94	1.09
28	20	5,700	4,674	0.82	1.00	5,575	4,572	0.82	1.04	5,425	4,449	0.82	1.12
28	22	6,075	4,253	0.70	1.02	5,950	4,165	0.70	1.08	5,800	4,060	0.70	1.15
30	16	4,950	4,950	1.00	0.95	4,800	4,800	1.00	1.00	4,650	4,650	1.00	1.06
30	18	5,300	5,300	1.00	0.97	5,150	5,150	1.00	1.02	4,975	4,975	1.00	1.09
30	20	5,700	5,130	0.90	1.00	5,575	5,018	0.90	1.04	5,425	4,883	0.90	1.12
30	22	6,075	4,739	0.78	1.02	5,950	4,641	0.78	1.08	5,800	4,524	0.78	1.15
32	16	4,950	4,950	1.00	0.95	4,800	4,800	1.00	1.00	4,650	4,650	1.00	1.06
32	18	5,300	5,300	1.00	0.97	5,150	5,150	1.00	1.02	4,975	4,975	1.00	1.09
32	20	5,700	5,586	0.98	1.00	5,575	5,464	0.98	1.04	5,425	5,317	0.98	1.12
32	22	6,075	5,225	0.86	1.02	5,950	5,117	0.86	1.08	5,800	4,988	0.86	1.15
34	16	4,950	4,950	1.00	0.95	4,800	4,800	1.00	1.00	4,650	4,650	1.00	1.06
34	18	5,300	5,300	1.00	0.97	5,150	5,150	1.00	1.02	4,975	4,975	1.00	1.09
34	20	5,700	5,700	1.00	1.00	5,575	5,575	1.00	1.04	5,425	5,425	1.00	1.12
34	22	6,075	5,711	0.94	1.02	5,950	5,593	0.94	1.08	5,800	5,452	0.94	1.15

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	4,450	3,293	0.74	1.14	4,250	3,145	0.74	1.22	4,050	2,997	0.74	1.32
20	18	4,800	2,976	0.62	1.17	4,650	2,883	0.62	1.26	4,350	2,697	0.62	1.35
20	20	5,200	2,600	0.50	1.20	5,000	2,500	0.50	1.28	4,700	2,350	0.50	1.38
22	16	4,450	3,649	0.82	1.14	4,250	3,485	0.82	1.22	4,050	3,321	0.82	1.32
22	18	4,800	3,360	0.70	1.17	4,650	3,255	0.70	1.26	4,350	3,045	0.70	1.35
22	20	5,200	3,016	0.58	1.20	5,000	2,900	0.58	1.28	4,700	2,726	0.58	1.38
24	16	4,450	4,005	0.90	1.14	4,250	3,825	0.90	1.22	4,050	3,645	0.90	1.32
24	18	4,800	3,744	0.78	1.17	4,650	3,627	0.78	1.26	4,350	3,393	0.78	1.35
24	20	5,200	3,432	0.66	1.20	5,000	3,300	0.66	1.28	4,700	3,102	0.66	1.38
24	22	5,600	3,024	0.54	1.22	5,400	2,916	0.54	1.32	5,100	2,754	0.54	1.40
26	16	4,450	4,361	0.98	1.14	4,250	4,165	0.98	1.22	4,050	3,969	0.98	1.32
26	18	4,800	4,128	0.86	1.17	4,650	3,999	0.86	1.26	4,350	3,741	0.86	1.35
26	20	5,200	3,848	0.74	1.20	5,000	3,700	0.74	1.28	4,700	3,478	0.74	1.38
26	22	5,600	3,472	0.62	1.22	5,400	3,348	0.62	1.32	5,100	3,162	0.62	1.40
27	16	4,450	4,450	1.00	1.14	4,250	4,250	1.00	1.22	4,050	4,050	1.00	1.32
27	18	4,800	4,320	0.90	1.17	4,650	4,185	0.90	1.26	4,350	3,915	0.90	1.35
27	20	5,200	4,056	0.78	1.20	5,000	3,900	0.78	1.28	4,700	3,666	0.78	1.38
27	22	5,600	3,696	0.66	1.22	5,400	3,564	0.66	1.32	5,100	3,366	0.66	1.40
28	16	4,450	4,450	1.00	1.14	4,250	4,250	1.00	1.22	4,050	4,050	1.00	1.32
28	18	4,800	4,512	0.94	1.17	4,650	4,371	0.94	1.26	4,350	4,089	0.94	1.35
28	20	5,200	4,264	0.82	1.20	5,000	4,100	0.82	1.28	4,700	3,854	0.82	1.38
28	22	5,600	3,920	0.70	1.22	5,400	3,780	0.70	1.32	5,100	3,570	0.70	1.40
30	16	4,450	4,450	1.00	1.14	4,250	4,250	1.00	1.22	4,050	4,050	1.00	1.32
30	18	4,800	4,800	1.00	1.17	4,650	4,650	1.00	1.26	4,350	4,350	1.00	1.35
30	20	5,200	4,680	0.90	1.20	5,000	4,500	0.90	1.28	4,700	4,230	0.90	1.38
30	22	5,600	4,368	0.78	1.22	5,400	4,212	0.78	1.32	5,100	3,978	0.78	1.40
32	16	4,450	4,450	1.00	1.14	4,250	4,250	1.00	1.22	4,050	4,050	1.00	1.32
32	18	4,800	4,800	1.00	1.17	4,650	4,650	1.00	1.26	4,350	4,350	1.00	1.35
32	20	5,200	5,096	0.98	1.20	5,000	4,900	0.98	1.28	4,700	4,606	0.98	1.38
32	22	5,600	4,816	0.86	1.22	5,400	4,644	0.86	1.32	5,100	4,386	0.86	1.40
34	16	4,450	4,450	1.00	1.14	4,250	4,250	1.00	1.22	4,050	4,050	1.00	1.32
34	18	4,800	4,800	1.00	1.17	4,650	4,650	1.00	1.26	4,350	4,350	1.00	1.35
34	20	5,200	5,200	1.00	1.20	5,000	5,000	1.00	1.28	4,700	4,700	1.00	1.38
34	22	5,600	5,264	0.94	1.22	5,400	5,076	0.94	1.32	5,100	4,794	0.94	1.40

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M60JAL / PUZ-ZM60VHA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	6,039	4,408	0.73	1.20	5,856	4,275	0.73	1.26	5,673	4,141	0.73	1.34
20	18	6,466	3,944	0.61	1.22	6,283	3,833	0.61	1.29	6,070	3,702	0.61	1.38
20	20	6,954	3,407	0.49	1.26	6,802	3,333	0.49	1.32	6,619	3,243	0.49	1.41
22	16	6,039	4,892	0.81	1.20	5,856	4,743	0.81	1.26	5,673	4,595	0.81	1.34
22	18	6,466	4,462	0.69	1.22	6,283	4,335	0.69	1.29	6,070	4,188	0.69	1.38
22	20	6,954	3,964	0.57	1.26	6,802	3,877	0.57	1.32	6,619	3,773	0.57	1.41
24	16	6,039	5,375	0.89	1.20	5,856	5,212	0.89	1.26	5,673	5,049	0.89	1.34
24	18	6,466	4,979	0.77	1.22	6,283	4,838	0.77	1.29	6,070	4,674	0.77	1.38
24	20	6,954	4,520	0.65	1.26	6,802	4,421	0.65	1.32	6,619	4,302	0.65	1.41
24	22	7,412	3,928	0.53	1.29	7,259	3,847	0.53	1.36	7,076	3,750	0.53	1.45
26	16	6,039	5,858	0.97	1.20	5,856	5,680	0.97	1.26	5,673	5,503	0.97	1.34
26	18	6,466	5,496	0.85	1.22	6,283	5,341	0.85	1.29	6,070	5,159	0.85	1.38
26	20	6,954	5,076	0.73	1.26	6,802	4,965	0.73	1.32	6,619	4,832	0.73	1.41
26	22	7,412	4,521	0.61	1.29	7,259	4,428	0.61	1.36	7,076	4,316	0.61	1.45
27	16	6,039	6,039	1.00	1.20	5,856	5,856	1.00	1.26	5,673	5,673	1.00	1.34
27	18	6,466	5,755	0.89	1.22	6,283	5,592	0.89	1.29	6,070	5,402	0.89	1.38
27	20	6,954	5,355	0.77	1.26	6,802	5,237	0.77	1.32	6,619	5,096	0.77	1.41
27	22	7,412	4,817	0.65	1.29	7,259	4,718	0.65	1.36	7,076	4,599	0.65	1.45
28	16	6,039	6,039	1.00	1.20	5,856	5,856	1.00	1.26	5,673	5,673	1.00	1.34
28	18	6,466	6,013	0.93	1.22	6,283	5,843	0.93	1.29	6,070	5,645	0.93	1.38
28	20	6,954	5,633	0.81	1.26	6,802	5,509	0.81	1.32	6,619	5,361	0.81	1.41
28	22	7,412	5,114	0.69	1.29	7,259	5,009	0.69	1.36	7,076	4,882	0.69	1.45
30	16	6,039	6,039	1.00	1.20	5,856	5,856	1.00	1.26	5,673	5,673	1.00	1.34
30	18	6,466	6,466	1.00	1.22	6,283	6,283	1.00	1.29	6,070	6,070	1.00	1.38
30	20	6,954	6,189	0.89	1.26	6,802	6,053	0.89	1.32	6,619	5,890	0.89	1.41
30	22	7,412	5,707	0.77	1.29	7,259	5,589	0.77	1.36	7,076	5,449	0.77	1.45
32	16	6,039	6,039	1.00	1.20	5,856	5,856	1.00	1.26	5,673	5,673	1.00	1.34
32	18	6,466	6,466	1.00	1.22	6,283	6,283	1.00	1.29	6,070	6,070	1.00	1.38
32	20	6,954	6,745	0.97	1.26	6,802	6,597	0.97	1.32	6,619	6,420	0.97	1.41
32	22	7,412	6,300	0.85	1.29	7,259	6,170	0.85	1.36	7,076	6,015	0.85	1.45
34	16	6,039	6,039	1.00	1.20	5,856	5,856	1.00	1.26	5,673	5,673	1.00	1.34
34	18	6,466	6,466	1.00	1.22	6,283	6,283	1.00	1.29	6,070	6,070	1.00	1.38
34	20	6,954	6,954	1.00	1.26	6,802	6,802	1.00	1.32	6,619	6,619	1.00	1.41
34	22	7,412	6,893	0.93	1.29	7,259	6,751	0.93	1.36	7,076	6,581	0.93	1.45

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	5,429	3,963	0.73	1.44	5,185	3,785	0.73	1.54	4,941	3,607	0.73	1.67
20	18	5,856	3,572	0.61	1.47	5,673	3,461	0.61	1.58	5,307	3,237	0.61	1.70
20	20	6,344	3,109	0.49	1.51	6,100	2,989	0.49	1.61	5,734	2,810	0.49	1.73
22	16	5,429	4,397	0.81	1.44	5,185	4,200	0.81	1.54	4,941	4,002	0.81	1.67
22	18	5,856	4,041	0.69	1.47	5,673	3,914	0.69	1.58	5,307	3,662	0.69	1.70
22	20	6,344	3,616	0.57	1.51	6,100	3,477	0.57	1.61	5,734	3,268	0.57	1.73
24	16	5,429	4,832	0.89	1.44	5,185	4,615	0.89	1.54	4,941	4,397	0.89	1.67
24	18	5,856	4,509	0.77	1.47	5,673	4,368	0.77	1.58	5,307	4,086	0.77	1.70
24	20	6,344	4,124	0.65	1.51	6,100	3,965	0.65	1.61	5,734	3,727	0.65	1.73
24	22	6,832	3,621	0.53	1.54	6,588	3,492	0.53	1.66	6,222	3,298	0.53	1.76
26	16	5,429	5,266	0.97	1.44	5,185	5,029	0.97	1.54	4,941	4,793	0.97	1.67
26	18	5,856	4,978	0.85	1.47	5,673	4,822	0.85	1.58	5,307	4,511	0.85	1.70
26	20	6,344	4,631	0.73	1.51	6,100	4,453	0.73	1.61	5,734	4,186	0.73	1.73
26	22	6,832	4,168	0.61	1.54	6,588	4,019	0.61	1.66	6,222	3,795	0.61	1.76
27	16	5,429	5,429	1.00	1.44	5,185	5,185	1.00	1.54	4,941	4,941	1.00	1.67
27	18	5,856	5,212	0.89	1.47	5,673	5,049	0.89	1.58	5,307	4,723	0.89	1.70
27	20	6,344	4,885	0.77	1.51	6,100	4,697	0.77	1.61	5,734	4,415	0.77	1.73
27	22	6,832	4,441	0.65	1.54	6,588	4,282	0.65	1.66	6,222	4,044	0.65	1.76
28	16	5,429	5,429	1.00	1.44	5,185	5,185	1.00	1.54	4,941	4,941	1.00	1.67
28	18	5,856	5,446	0.93	1.47	5,673	5,276	0.93	1.58	5,307	4,936	0.93	1.70
28	20	6,344	5,139	0.81	1.51	6,100	4,941	0.81	1.61	5,734	4,645	0.81	1.73
28	22	6,832	4,714	0.69	1.54	6,588	4,546	0.69	1.66	6,222	4,293	0.69	1.76
30	16	5,429	5,429	1.00	1.44	5,185	5,185	1.00	1.54	4,941	4,941	1.00	1.67
30	18	5,856	5,856	1.00	1.47	5,673	5,673	1.00	1.58	5,307	5,307	1.00	1.70
30	20	6,344	5,646	0.89	1.51	6,100	5,429	0.89	1.61	5,734	5,103	0.89	1.73
30	22	6,832	5,261	0.77	1.54	6,588	5,073	0.77	1.66	6,222	4,791	0.77	1.76
32	16	5,429	5,429	1.00	1.44	5,185	5,185	1.00	1.54	4,941	4,941	1.00	1.67
32	18	5,856	5,856	1.00	1.47	5,673	5,673	1.00	1.58	5,307	5,307	1.00	1.70
32	20	6,344	6,154	0.97	1.51	6,100	5,917	0.97	1.61	5,734	5,562	0.97	1.73
32	22	6,832	5,807	0.85	1.54	6,588	5,600	0.85	1.66	6,222	5,289	0.85	1.76
34	16	5,429	5,429	1.00	1.44	5,185	5,185	1.00	1.54	4,941	4,941	1.00	1.67
34	18	5,856	5,856	1.00	1.47	5,673	5,673	1.00	1.58	5,307	5,307	1.00	1.70
34	20	6,344	6,344	1.00	1.51	6,100	6,100	1.00	1.61	5,734	5,734	1.00	1.73
34	22	6,832	6,354	0.93	1.54	6,588	6,127	0.93	1.66	6,222	5,786	0.93	1.76

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M71JAL / PUZ-ZM71VHA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	7,029	5,131	0.73	1.48	6,816	4,976	0.73	1.56	6,603	4,820	0.73	1.65
20	18	7,526	4,591	0.61	1.50	7,313	4,461	0.61	1.59	7,065	4,309	0.61	1.70
20	20	8,094	3,966	0.49	1.55	7,917	3,879	0.49	1.62	7,704	3,775	0.49	1.73
22	16	7,029	5,693	0.81	1.48	6,816	5,521	0.81	1.56	6,603	5,348	0.81	1.65
22	18	7,526	5,193	0.69	1.50	7,313	5,046	0.69	1.59	7,065	4,875	0.69	1.70
22	20	8,094	4,614	0.57	1.55	7,917	4,512	0.57	1.62	7,704	4,391	0.57	1.73
24	16	7,029	6,256	0.89	1.48	6,816	6,066	0.89	1.56	6,603	5,877	0.89	1.65
24	18	7,526	5,795	0.77	1.50	7,313	5,631	0.77	1.59	7,065	5,440	0.77	1.70
24	20	8,094	5,261	0.65	1.55	7,917	5,146	0.65	1.62	7,704	5,007	0.65	1.73
24	22	8,627	4,572	0.53	1.59	8,449	4,478	0.53	1.68	8,236	4,365	0.53	1.79
26	16	7,029	6,818	0.97	1.48	6,816	6,612	0.97	1.56	6,603	6,405	0.97	1.65
26	18	7,526	6,397	0.85	1.50	7,313	6,216	0.85	1.59	7,065	6,005	0.85	1.70
26	20	8,094	5,909	0.73	1.55	7,917	5,779	0.73	1.62	7,704	5,624	0.73	1.73
26	22	8,627	5,262	0.61	1.59	8,449	5,154	0.61	1.68	8,236	5,024	0.61	1.79
27	16	7,029	7,029	1.00	1.48	6,816	6,816	1.00	1.56	6,603	6,603	1.00	1.65
27	18	7,526	6,698	0.89	1.50	7,313	6,509	0.89	1.59	7,065	6,287	0.89	1.70
27	20	8,094	6,232	0.77	1.55	7,917	6,096	0.77	1.62	7,704	5,932	0.77	1.73
27	22	8,627	5,607	0.65	1.59	8,449	5,492	0.65	1.68	8,236	5,353	0.65	1.79
28	16	7,029	7,029	1.00	1.48	6,816	6,816	1.00	1.56	6,603	6,603	1.00	1.65
28	18	7,526	6,999	0.93	1.50	7,313	6,801	0.93	1.59	7,065	6,570	0.93	1.70
28	20	8,094	6,556	0.81	1.55	7,917	6,412	0.81	1.62	7,704	6,240	0.81	1.73
28	22	8,627	5,952	0.69	1.59	8,449	5,830	0.69	1.68	8,236	5,683	0.69	1.79
30	16	7,029	7,029	1.00	1.48	6,816	6,816	1.00	1.56	6,603	6,603	1.00	1.65
30	18	7,526	7,526	1.00	1.50	7,313	7,313	1.00	1.59	7,065	7,065	1.00	1.70
30	20	8,094	7,204	0.89	1.55	7,917	7,046	0.89	1.62	7,704	6,856	0.89	1.73
30	22	8,627	6,642	0.77	1.59	8,449	6,506	0.77	1.68	8,236	6,342	0.77	1.79
32	16	7,029	7,029	1.00	1.48	6,816	6,816	1.00	1.56	6,603	6,603	1.00	1.65
32	18	7,526	7,526	1.00	1.50	7,313	7,313	1.00	1.59	7,065	7,065	1.00	1.70
32	20	8,094	7,851	0.97	1.55	7,917	7,679	0.97	1.62	7,704	7,472	0.97	1.73
32	22	8,627	7,333	0.85	1.59	8,449	7,182	0.85	1.68	8,236	7,001	0.85	1.79
34	16	7,029	7,029	1.00	1.48	6,816	6,816	1.00	1.56	6,603	6,603	1.00	1.65
34	18	7,526	7,526	1.00	1.50	7,313	7,313	1.00	1.59	7,065	7,065	1.00	1.70
34	20	8,094	8,094	1.00	1.55	7,917	7,917	1.00	1.62	7,704	7,704	1.00	1.73
34	22	8,627	8,023	0.93	1.59	8,449	7,858	0.93	1.68	8,236	7,659	0.93	1.79

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	6,319	4,613	0.73	1.77	6,035	4,406	0.73	1.90	5,751	4,198	0.73	2.06
20	18	6,816	4,158	0.61	1.82	6,603	4,028	0.61	1.95	6,177	3,768	0.61	2.10
20	20	7,384	3,618	0.49	1.86	7,100	3,479	0.49	1.99	6,674	3,270	0.49	2.14
22	16	6,319	5,118	0.81	1.77	6,035	4,888	0.81	1.90	5,751	4,658	0.81	2.06
22	18	6,816	4,703	0.69	1.82	6,603	4,556	0.69	1.95	6,177	4,262	0.69	2.10
22	20	7,384	4,209	0.57	1.86	7,100	4,047	0.57	1.99	6,674	3,804	0.57	2.14
24	16	6,319	5,624	0.89	1.77	6,035	5,371	0.89	1.90	5,751	5,118	0.89	2.06
24	18	6,816	5,248	0.77	1.82	6,603	5,084	0.77	1.95	6,177	4,756	0.77	2.10
24	20	7,384	4,800	0.65	1.86	7,100	4,615	0.65	1.99	6,674	4,338	0.65	2.14
24	22	7,952	4,215	0.53	1.90	7,668	4,064	0.53	2.05	7,242	3,838	0.53	2.18
26	16	6,319	6,129	0.97	1.77	6,035	5,854	0.97	1.90	5,751	5,578	0.97	2.06
26	18	6,816	5,794	0.85	1.82	6,603	5,613	0.85	1.95	6,177	5,250	0.85	2.10
26	20	7,384	5,390	0.73	1.86	7,100	5,183	0.73	1.99	6,674	4,872	0.73	2.14
26	22	7,952	4,851	0.61	1.90	7,668	4,677	0.61	2.05	7,242	4,418	0.61	2.18
27	16	6,319	6,319	1.00	1.77	6,035	6,035	1.00	1.90	5,751	5,751	1.00	2.06
27	18	6,816	6,066	0.89	1.82	6,603	5,877	0.89	1.95	6,177	5,498	0.89	2.10
27	20	7,384	5,686	0.77	1.86	7,100	5,467	0.77	1.99	6,674	5,139	0.77	2.14
27	22	7,952	5,169	0.65	1.90	7,668	4,984	0.65	2.05	7,242	4,707	0.65	2.18
28	16	6,319	6,319	1.00	1.77	6,035	6,035	1.00	1.90	5,751	5,751	1.00	2.06
28	18	6,816	6,339	0.93	1.82	6,603	6,141	0.93	1.95	6,177	5,745	0.93	2.10
28	20	7,384	5,981	0.81	1.86	7,100	5,751	0.81	1.99	6,674	5,406	0.81	2.14
28	22	7,952	5,487	0.69	1.90	7,668	5,291	0.69	2.05	7,242	4,997	0.69	2.18
30	16	6,319	6,319	1.00	1.77	6,035	6,035	1.00	1.90	5,751	5,751	1.00	2.06
30	18	6,816	6,816	1.00	1.82	6,603	6,603	1.00	1.95	6,177	6,177	1.00	2.10
30	20	7,384	6,572	0.89	1.86	7,100	6,319	0.89	1.99	6,674	5,940	0.89	2.14
30	22	7,952	6,123	0.77	1.90	7,668	5,904	0.77	2.05	7,242	5,576	0.77	2.18
32	16	6,319	6,319	1.00	1.77	6,035	6,035	1.00	1.90	5,751	5,751	1.00	2.06
32	18	6,816	6,816	1.00	1.82	6,603	6,603	1.00	1.95	6,177	6,177	1.00	2.10
32	20	7,384	7,162	0.97	1.86	7,100	6,887	0.97	1.99	6,674	6,474	0.97	2.14
32	22	7,952	6,759	0.85	1.90	7,668	6,518	0.85	2.05	7,242	6,156	0.85	2.18
34	16	6,319	6,319	1.00	1.77	6,035	6,035	1.00	1.90	5,751	5,751	1.00	2.06
34	18	6,816	6,816	1.00	1.82	6,603	6,603	1.00	1.95	6,177	6,177	1.00	2.10
34	20	7,384	7,384	1.00	1.86	7,100	7,100	1.00	1.99	6,674	6,674	1.00	2.14
34	22	7,952	7,395	0.93	1.90	7,668	7,131	0.93	2.05	7,242	6,735	0.93	2.18

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M100JAL / PUZ-ZM100VKA PUZ-ZM100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	6,772	0.72	1.80	9,120	6,566	0.72	1.91	8,835	6,361	0.72	2.02
20	18	10,070	6,042	0.60	1.84	9,785	5,871	0.60	1.94	9,453	5,672	0.60	2.08
20	20	10,830	5,198	0.48	1.90	10,593	5,084	0.48	1.99	10,308	4,948	0.48	2.12
22	16	9,405	7,524	0.80	1.80	9,120	7,296	0.80	1.91	8,835	7,068	0.80	2.02
22	18	10,070	6,848	0.68	1.84	9,785	6,654	0.68	1.94	9,453	6,428	0.68	2.08
22	20	10,830	6,065	0.56	1.90	10,593	5,932	0.56	1.99	10,308	5,772	0.56	2.12
24	16	9,405	8,276	0.88	1.80	9,120	8,026	0.88	1.91	8,835	7,775	0.88	2.02
24	18	10,070	7,653	0.76	1.84	9,785	7,437	0.76	1.94	9,453	7,184	0.76	2.08
24	20	10,830	6,931	0.64	1.90	10,593	6,779	0.64	1.99	10,308	6,597	0.64	2.12
24	22	11,543	6,002	0.52	1.94	11,305	5,879	0.52	2.05	11,020	5,730	0.52	2.19
26	16	9,405	9,029	0.96	1.80	9,120	8,755	0.96	1.91	8,835	8,482	0.96	2.02
26	18	10,070	8,459	0.84	1.84	9,785	8,219	0.84	1.94	9,453	7,940	0.84	2.08
26	20	10,830	7,798	0.72	1.90	10,593	7,627	0.72	1.99	10,308	7,421	0.72	2.12
26	22	11,543	6,926	0.60	1.94	11,305	6,783	0.60	2.05	11,020	6,612	0.60	2.19
27	16	9,405	9,405	1.00	1.80	9,120	9,120	1.00	1.91	8,835	8,835	1.00	2.02
27	18	10,070	8,862	0.88	1.84	9,785	8,611	0.88	1.94	9,453	8,318	0.88	2.08
27	20	10,830	8,231	0.76	1.90	10,593	8,050	0.76	1.99	10,308	7,834	0.76	2.12
27	22	11,543	7,387	0.64	1.94	11,305	7,235	0.64	2.05	11,020	7,053	0.64	2.19
28	16	9,405	9,405	1.00	1.80	9,120	9,120	1.00	1.91	8,835	8,835	1.00	2.02
28	18	10,070	9,264	0.92	1.84	9,785	9,002	0.92	1.94	9,453	8,696	0.92	2.08
28	20	10,830	8,664	0.80	1.90	10,593	8,474	0.80	1.99	10,308	8,246	0.80	2.12
28	22	11,543	7,849	0.68	1.94	11,305	7,687	0.68	2.05	11,020	7,494	0.68	2.19
30	16	9,405	9,405	1.00	1.80	9,120	9,120	1.00	1.91	8,835	8,835	1.00	2.02
30	18	10,070	10,070	1.00	1.84	9,785	9,785	1.00	1.94	9,453	9,453	1.00	2.08
30	20	10,830	9,530	0.88	1.90	10,593	9,321	0.88	1.99	10,308	9,071	0.88	2.12
30	22	11,543	8,772	0.76	1.94	11,305	8,592	0.76	2.05	11,020	8,375	0.76	2.19
32	16	9,405	9,405	1.00	1.80	9,120	9,120	1.00	1.91	8,835	8,835	1.00	2.02
32	18	10,070	10,070	1.00	1.84	9,785	9,785	1.00	1.94	9,453	9,453	1.00	2.08
32	20	10,830	10,397	0.96	1.90	10,593	10,169	0.96	1.99	10,308	9,895	0.96	2.12
32	22	11,543	9,696	0.84	1.94	11,305	9,496	0.84	2.05	11,020	9,257	0.84	2.19
34	16	9,405	9,405	1.00	1.80	9,120	9,120	1.00	1.91	8,835	8,835	1.00	2.02
34	18	10,070	10,070	1.00	1.84	9,785	9,785	1.00	1.94	9,453	9,453	1.00	2.08
34	20	10,830	10,830	1.00	1.90	10,593	10,593	1.00	1.99	10,308	10,308	1.00	2.12
34	22	11,543	10,619	0.92	1.94	11,305	10,401	0.92	2.05	11,020	10,138	0.92	2.19

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	6,088	0.72	2.17	8,075	5,814	0.72	2.32	7,695	5,540	0.72	2.52
20	18	9,120	5,472	0.60	2.22	8,835	5,301	0.60	2.39	8,265	4,959	0.60	2.57
20	20	9,880	4,742	0.48	2.28	9,500	4,560	0.48	2.44	8,930	4,286	0.48	2.62
22	16	8,455	6,764	0.80	2.17	8,075	6,460	0.80	2.32	7,695	6,156	0.80	2.52
22	18	9,120	6,202	0.68	2.22	8,835	6,008	0.68	2.39	8,265	5,620	0.68	2.57
22	20	9,880	5,533	0.56	2.28	9,500	5,320	0.56	2.44	8,930	5,001	0.56	2.62
24	16	8,455	7,440	0.88	2.17	8,075	7,106	0.88	2.32	7,695	6,772	0.88	2.52
24	18	9,120	6,931	0.76	2.22	8,835	6,715	0.76	2.39	8,265	6,281	0.76	2.57
24	20	9,880	6,323	0.64	2.28	9,500	6,080	0.64	2.44	8,930	5,715	0.64	2.62
24	22	10,640	5,533	0.52	2.32	10,260	5,335	0.52	2.50	9,690	5,039	0.52	2.66
26	16	8,455	8,117	0.96	2.17	8,075	7,752	0.96	2.32	7,695	7,387	0.96	2.52
26	18	9,120	7,661	0.84	2.22	8,835	7,421	0.84	2.39	8,265	6,943	0.84	2.57
26	20	9,880	7,114	0.72	2.28	9,500	6,840	0.72	2.44	8,930	6,430	0.72	2.62
26	22	10,640	6,384	0.60	2.32	10,260	6,156	0.60	2.50	9,690	5,814	0.60	2.66
27	16	8,455	8,455	1.00	2.17	8,075	8,075	1.00	2.32	7,695	7,695	1.00	2.52
27	18	9,120	8,026	0.88	2.22	8,835	7,775	0.88	2.39	8,265	7,273	0.88	2.57
27	20	9,880	7,509	0.76	2.28	9,500	7,220	0.76	2.44	8,930	6,787	0.76	2.62
27	22	10,640	6,810	0.64	2.32	10,260	6,566	0.64	2.50	9,690	6,202	0.64	2.66
28	16	8,455	8,455	1.00	2.17	8,075	8,075	1.00	2.32	7,695	7,695	1.00	2.52
28	18	9,120	8,390	0.92	2.22	8,835	8,128	0.92	2.39	8,265	7,604	0.92	2.57
28	20	9,880	7,904	0.80	2.28	9,500	7,600	0.80	2.44	8,930	7,144	0.80	2.62
28	22	10,640	7,235	0.68	2.32	10,260	6,977	0.68	2.50	9,690	6,589	0.68	2.66
30	16	8,455	8,455	1.00	2.17	8,075	8,075	1.00	2.32	7,695	7,695	1.00	2.52
30	18	9,120	9,120	1.00	2.22	8,835	8,835	1.00	2.39	8,265	8,265	1.00	2.57
30	20	9,880	8,694	0.88	2.28	9,500	8,360	0.88	2.44	8,930	7,858	0.88	2.62
30	22	10,640	8,086	0.76	2.32	10,260	7,798	0.76	2.50	9,690	7,364	0.76	2.66
32	16	8,455	8,455	1.00	2.17	8,075	8,075	1.00	2.32	7,695	7,695	1.00	2.52
32	18	9,120	9,120	1.00	2.22	8,835	8,835	1.00	2.39	8,265	8,265	1.00	2.57
32	20	9,880	9,485	0.96	2.28	9,500	9,120	0.96	2.44	8,930	8,573	0.96	2.62
32	22	10,640	8,938	0.84	2.32	10,260	8,618	0.84	2.50	9,690	8,140	0.84	2.66
34	16	8,455	8,455	1.00	2.17	8,075	8,075	1.00	2.32	7,695	7,695	1.00	2.52
34	18	9,120	9,120	1.00	2.22	8,835	8,835	1.00	2.39	8,265	8,265	1.00	2.57
34	20	9,880	9,880	1.00	2.28	9,500	9,500	1.00	2.44	8,930	8,930	1.00	2.62
34	22	10,640	9,789	0.92	2.32	10,260	9,439	0.92	2.50	9,690	8,915	0.92	2.66

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PEAD-M125JAL / PUZ-ZM125VKA PUZ-ZM125YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	12,375	9,158	0.74	2.65	12,000	8,880	0.74	2.80	11,625	8,603	0.74	2.97
20	18	13,250	8,215	0.62	2.70	12,875	7,983	0.62	2.85	12,438	7,711	0.62	3.05
20	20	14,250	7,125	0.50	2.78	13,938	6,969	0.50	2.92	13,563	6,781	0.50	3.12
22	16	12,375	10,148	0.82	2.65	12,000	9,840	0.82	2.80	11,625	9,533	0.82	2.97
22	18	13,250	9,275	0.70	2.70	12,875	9,013	0.70	2.85	12,438	8,706	0.70	3.05
22	20	14,250	8,265	0.58	2.78	13,938	8,084	0.58	2.92	13,563	7,866	0.58	3.12
24	16	12,375	11,138	0.90	2.65	12,000	10,800	0.90	2.80	11,625	10,463	0.90	2.97
24	18	13,250	10,335	0.78	2.70	12,875	10,043	0.78	2.85	12,438	9,701	0.78	3.05
24	20	14,250	9,405	0.66	2.78	13,938	9,199	0.66	2.92	13,563	8,951	0.66	3.12
24	22	15,188	8,201	0.54	2.85	14,875	8,033	0.54	3.02	14,500	7,830	0.54	3.22
26	16	12,375	12,128	0.98	2.65	12,000	11,760	0.98	2.80	11,625	11,393	0.98	2.97
26	18	13,250	11,395	0.86	2.70	12,875	11,073	0.86	2.85	12,438	10,696	0.86	3.05
26	20	14,250	10,545	0.74	2.78	13,938	10,314	0.74	2.92	13,563	10,036	0.74	3.12
26	22	15,188	9,416	0.62	2.85	14,875	9,223	0.62	3.02	14,500	8,990	0.62	3.22
27	16	12,375	12,375	1.00	2.65	12,000	12,000	1.00	2.80	11,625	11,625	1.00	2.97
27	18	13,250	11,925	0.90	2.70	12,875	11,588	0.90	2.85	12,438	11,194	0.90	3.05
27	20	14,250	11,115	0.78	2.78	13,938	10,871	0.78	2.92	13,563	10,579	0.78	3.12
27	22	15,188	10,024	0.66	2.85	14,875	9,818	0.66	3.02	14,500	9,570	0.66	3.22
28	16	12,375	12,375	1.00	2.65	12,000	12,000	1.00	2.80	11,625	11,625	1.00	2.97
28	18	13,250	12,455	0.94	2.70	12,875	12,103	0.94	2.85	12,438	11,691	0.94	3.05
28	20	14,250	11,685	0.82	2.78	13,938	11,429	0.82	2.92	13,563	11,121	0.82	3.12
28	22	15,188	10,631	0.70	2.85	14,875	10,413	0.70	3.02	14,500	10,150	0.70	3.22
30	16	12,375	12,375	1.00	2.65	12,000	12,000	1.00	2.80	11,625	11,625	1.00	2.97
30	18	13,250	13,250	1.00	2.70	12,875	12,875	1.00	2.85	12,438	12,438	1.00	3.05
30	20	14,250	12,825	0.90	2.78	13,938	12,544	0.90	2.92	13,563	12,206	0.90	3.12
30	22	15,188	11,846	0.78	2.85	14,875	11,603	0.78	3.02	14,500	11,310	0.78	3.22
32	16	12,375	12,375	1.00	2.65	12,000	12,000	1.00	2.80	11,625	11,625	1.00	2.97
32	18	13,250	13,250	1.00	2.70	12,875	12,875	1.00	2.85	12,438	12,438	1.00	3.05
32	20	14,250	13,965	0.98	2.78	13,938	13,659	0.98	2.92	13,563	13,291	0.98	3.12
32	22	15,188	13,061	0.86	2.85	14,875	12,793	0.86	3.02	14,500	12,470	0.86	3.22
34	16	12,375	12,375	1.00	2.65	12,000	12,000	1.00	2.80	11,625	11,625	1.00	2.97
34	18	13,250	13,250	1.00	2.70	12,875	12,875	1.00	2.85	12,438	12,438	1.00	3.05
34	20	14,250	14,250	1.00	2.78	13,938	13,938	1.00	2.92	13,563	13,563	1.00	3.12
34	22	15,188	14,276	0.94	2.85	14,875	13,983	0.94	3.02	14,500	13,630	0.94	3.22

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,125	8,233	0.74	3.18	10,625	7,863	0.74	3.41	10,125	7,493	0.74	3.70
20	18	12,000	7,440	0.62	3.27	11,625	7,208	0.62	3.51	10,875	6,743	0.62	3.78
20	20	13,000	6,500	0.50	3.35	12,500	6,250	0.50	3.58	11,750	5,875	0.50	3.85
22	16	11,125	9,123	0.82	3.18	10,625	8,713	0.82	3.41	10,125	8,303	0.82	3.70
22	18	12,000	8,400	0.70	3.27	11,625	8,138	0.70	3.51	10,875	7,613	0.70	3.78
22	20	13,000	7,540	0.58	3.35	12,500	7,250	0.58	3.58	11,750	6,815	0.58	3.85
24	16	11,125	10,013	0.90	3.18	10,625	9,563	0.90	3.41	10,125	9,113	0.90	3.70
24	18	12,000	9,360	0.78	3.27	11,625	9,068	0.78	3.51	10,875	8,483	0.78	3.78
24	20	13,000	8,580	0.66	3.35	12,500	8,250	0.66	3.58	11,750	7,755	0.66	3.85
24	22	14,000	7,560	0.54	3.41	13,500	7,290	0.54	3.68	12,750	6,885	0.54	3.91
26	16	11,125	10,903	0.98	3.18	10,625	10,413	0.98	3.41	10,125	9,923	0.98	3.70
26	18	12,000	10,320	0.86	3.27	11,625	9,998	0.86	3.51	10,875	9,353	0.86	3.78
26	20	13,000	9,620	0.74	3.35	12,500	9,250	0.74	3.58	11,750	8,695	0.74	3.85
26	22	14,000	8,680	0.62	3.41	13,500	8,370	0.62	3.68	12,750	7,905	0.62	3.91
27	16	11,125	11,125	1.00	3.18	10,625	10,625	1.00	3.41	10,125	10,125	1.00	3.70
27	18	12,000	10,800	0.90	3.27	11,625	10,463	0.90	3.51	10,875	9,788	0.90	3.78
27	20	13,000	10,140	0.78	3.35	12,500	9,750	0.78	3.58	11,750	9,165	0.78	3.85
27	22	14,000	9,240	0.66	3.41	13,500	8,910	0.66	3.68	12,750	8,415	0.66	3.91
28	16	11,125	11,125	1.00	3.18	10,625	10,625	1.00	3.41	10,125	10,125	1.00	3.70
28	18	12,000	11,280	0.94	3.27	11,625	10,928	0.94	3.51	10,875	10,223	0.94	3.78
28	20	13,000	10,660	0.82	3.35	12,500	10,250	0.82	3.58	11,750	9,635	0.82	3.85
28	22	14,000	9,800	0.70	3.41	13,500	9,450	0.70	3.68	12,750	8,925	0.70	3.91
30	16	11,125	11,125	1.00	3.18	10,625	10,625	1.00	3.41	10,125	10,125	1.00	3.70
30	18	12,000	12,000	1.00	3.27	11,625	11,625	1.00	3.51	10,875	10,875	1.00	3.78
30	20	13,000	11,700	0.90	3.35	12,500	11,250	0.90	3.58	11,750	10,575	0.90	3.85
30	22	14,000	10,920	0.78	3.41	13,500	10,530	0.78	3.68	12,750	9,945	0.78	3.91
32	16	11,125	11,125	1.00	3.18	10,625	10,625	1.00	3.41	10,125	10,125	1.00	3.70
32	18	12,000	12,000	1.00	3.27	11,625	11,625	1.00	3.51	10,875	10,875	1.00	3.78
32	20	13,000	12,740	0.98	3.35	12,500	12,250	0.98	3.58	11,750	11,515	0.98	3.85
32	22	14,000	12,040	0.86	3.41	13,500	11,610	0.86	3.68	12,750	10,965	0.86	3.91
34	16	11,125	11,125	1.00	3.18	10,625	10,625	1.00	3.41	10,125	10,125	1.00	3.70
34	18	12,000	12,000	1.00	3.27	11,625	11,625	1.00	3.51	10,875	10,875	1.00	3.78
34	20	13,000	13,000	1.00	3.35	12,500	12,500	1.00	3.58	11,750	11,750	1.00	3.85
34	22	14,000	13,160	0.94	3.41	13,500	12,690	0.94	3.68	12,750	11,985	0.94	3.91

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M140JAL / PUZ-ZM140VKA PUZ-ZM140YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,266	9,817	0.74	2.90	12,864	9,519	0.74	3.07	12,462	9,222	0.74	3.25
20	18	14,204	8,806	0.62	2.96	13,802	8,557	0.62	3.12	13,333	8,266	0.62	3.34
20	20	15,276	7,638	0.50	3.05	14,941	7,471	0.50	3.20	14,539	7,270	0.50	3.41
22	16	13,266	10,878	0.82	2.90	12,864	10,548	0.82	3.07	12,462	10,219	0.82	3.25
22	18	14,204	9,943	0.70	2.96	13,802	9,661	0.70	3.12	13,333	9,333	0.70	3.34
22	20	15,276	8,860	0.58	3.05	14,941	8,666	0.58	3.20	14,539	8,433	0.58	3.41
24	16	13,266	11,939	0.90	2.90	12,864	11,578	0.90	3.07	12,462	11,216	0.90	3.25
24	18	14,204	11,079	0.78	2.96	13,802	10,766	0.78	3.12	13,333	10,400	0.78	3.34
24	20	15,276	10,082	0.66	3.05	14,941	9,861	0.66	3.20	14,539	9,596	0.66	3.41
24	22	16,281	8,792	0.54	3.12	15,946	8,611	0.54	3.30	15,544	8,394	0.54	3.52
26	16	13,266	13,001	0.98	2.90	12,864	12,607	0.98	3.07	12,462	12,213	0.98	3.25
26	18	14,204	12,215	0.86	2.96	13,802	11,870	0.86	3.12	13,333	11,466	0.86	3.34
26	20	15,276	11,304	0.74	3.05	14,941	11,056	0.74	3.20	14,539	10,759	0.74	3.41
26	22	16,281	10,094	0.62	3.12	15,946	9,887	0.62	3.30	15,544	9,637	0.62	3.52
27	16	13,266	13,266	1.00	2.90	12,864	12,864	1.00	3.07	12,462	12,462	1.00	3.25
27	18	14,204	12,784	0.90	2.96	13,802	12,422	0.90	3.12	13,333	12,000	0.90	3.34
27	20	15,276	11,915	0.78	3.05	14,941	11,654	0.78	3.20	14,539	11,340	0.78	3.41
27	22	16,281	10,745	0.66	3.12	15,946	10,524	0.66	3.30	15,544	10,259	0.66	3.52
28	16	13,266	13,266	1.00	2.90	12,864	12,864	1.00	3.07	12,462	12,462	1.00	3.25
28	18	14,204	13,352	0.94	2.96	13,802	12,974	0.94	3.12	13,333	12,533	0.94	3.34
28	20	15,276	12,526	0.82	3.05	14,941	12,252	0.82	3.20	14,539	11,922	0.82	3.41
28	22	16,281	11,397	0.70	3.12	15,946	11,162	0.70	3.30	15,544	10,881	0.70	3.52
30	16	13,266	13,266	1.00	2.90	12,864	12,864	1.00	3.07	12,462	12,462	1.00	3.25
30	18	14,204	14,204	1.00	2.96	13,802	13,802	1.00	3.12	13,333	13,333	1.00	3.34
30	20	15,276	13,748	0.90	3.05	14,941	13,447	0.90	3.20	14,539	13,085	0.90	3.41
30	22	16,281	12,699	0.78	3.12	15,946	12,438	0.78	3.30	15,544	12,124	0.78	3.52
32	16	13,266	13,266	1.00	2.90	12,864	12,864	1.00	3.07	12,462	12,462	1.00	3.25
32	18	14,204	14,204	1.00	2.96	13,802	13,802	1.00	3.12	13,333	13,333	1.00	3.34
32	20	15,276	14,970	0.98	3.05	14,941	14,642	0.98	3.20	14,539	14,248	0.98	3.41
32	22	16,281	14,002	0.86	3.12	15,946	13,714	0.86	3.30	15,544	13,368	0.86	3.52
34	16	13,266	13,266	1.00	2.90	12,864	12,864	1.00	3.07	12,462	12,462	1.00	3.25
34	18	14,204	14,204	1.00	2.96	13,802	13,802	1.00	3.12	13,333	13,333	1.00	3.34
34	20	15,276	15,276	1.00	3.05	14,941	14,941	1.00	3.20	14,539	14,539	1.00	3.41
34	22	16,281	15,304	0.94	3.12	15,946	14,989	0.94	3.30	15,544	14,611	0.94	3.52

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,926	8,825	0.74	3.49	11,390	8,429	0.74	3.74	10,854	8,032	0.74	4.05
20	18	12,864	7,976	0.62	3.58	12,462	7,726	0.62	3.85	11,658	7,228	0.62	4.14
20	20	13,936	6,968	0.50	3.67	13,400	6,700	0.50	3.92	12,596	6,298	0.50	4.21
22	16	11,926	9,779	0.82	3.49	11,390	9,340	0.82	3.74	10,854	8,900	0.82	4.05
22	18	12,864	9,005	0.70	3.58	12,462	8,723	0.70	3.85	11,658	8,161	0.70	4.14
22	20	13,936	8,083	0.58	3.67	13,400	7,772	0.58	3.92	12,596	7,306	0.58	4.21
24	16	11,926	10,733	0.90	3.49	11,390	10,251	0.90	3.74	10,854	9,769	0.90	4.05
24	18	12,864	10,034	0.78	3.58	12,462	9,720	0.78	3.85	11,658	9,093	0.78	4.14
24	20	13,936	9,198	0.66	3.67	13,400	8,844	0.66	3.92	12,596	8,313	0.66	4.21
24	22	15,008	8,104	0.54	3.74	14,472	7,815	0.54	4.03	13,668	7,381	0.54	4.28
26	16	11,926	11,687	0.98	3.49	11,390	11,162	0.98	3.74	10,854	10,637	0.98	4.05
26	18	12,864	11,063	0.86	3.58	12,462	10,717	0.86	3.85	11,658	10,026	0.86	4.14
26	20	13,936	10,313	0.74	3.67	13,400	9,916	0.74	3.92	12,596	9,321	0.74	4.21
26	22	15,008	9,305	0.62	3.74	14,472	8,973	0.62	4.03	13,668	8,474	0.62	4.28
27	16	11,926	11,926	1.00	3.49	11,390	11,390	1.00	3.74	10,854	10,854	1.00	4.05
27	18	12,864	11,578	0.90	3.58	12,462	11,216	0.90	3.85	11,658	10,492	0.90	4.14
27	20	13,936	10,870	0.78	3.67	13,400	10,452	0.78	3.92	12,596	9,825	0.78	4.21
27	22	15,008	9,905	0.66	3.74	14,472	9,552	0.66	4.03	13,668	9,021	0.66	4.28
28	16	11,926	11,926	1.00	3.49	11,390	11,390	1.00	3.74	10,854	10,854	1.00	4.05
28	18	12,864	12,092	0.94	3.58	12,462	11,714	0.94	3.85	11,658	10,959	0.94	4.14
28	20	13,936	11,428	0.82	3.67	13,400	10,988	0.82	3.92	12,596	10,329	0.82	4.21
28	22	15,008	10,506	0.70	3.74	14,472	10,130	0.70	4.03	13,668	9,568	0.70	4.28
30	16	11,926	11,926	1.00	3.49	11,390	11,390	1.00	3.74	10,854	10,854	1.00	4.05
30	18	12,864	12,864	1.00	3.58	12,462	12,462	1.00	3.85	11,658	11,658	1.00	4.14
30	20	13,936	12,542	0.90	3.67	13,400	12,060	0.90	3.92	12,596	11,336	0.90	4.21
30	22	15,008	11,706	0.78	3.74	14,472	11,288	0.78	4.03	13,668	10,661	0.78	4.28
32	16	11,926	11,926	1.00	3.49	11,390	11,390	1.00	3.74	10,854	10,854	1.00	4.05
32	18	12,864	12,864	1.00	3.58	12,462	12,462	1.00	3.85	11,658	11,658	1.00	4.14
32	20	13,936	13,657	0.98	3.67	13,400	13,132	0.98	3.92	12,596	12,344	0.98	4.21
32	22	15,008	12,907	0.86	3.74	14,472	12,446	0.86	4.03	13,668	11,754	0.86	4.28
34	16	11,926	11,926	1.00	3.49	11,390	11,390	1.00	3.74	10,854	10,854	1.00	4.05
34	18	12,864	12,864	1.00	3.58	12,462	12,462	1.00	3.85	11,658	11,658	1.00	4.14
34	20	13,936	13,936	1.00	3.67	13,400	13,400	1.00	3.92	12,596	12,596	1.00	4.21
34	22	15,008	14,108	0.94	3.74	14,472	13,604	0.94	4.03	13,668	12,848	0.94	4.28

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEA-M200LA / PUZ-ZM200YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	18,810	13,167	0.70	4.61	18,240	12,768	0.70	4.86	17,670	12,369	0.70	5.15
20	18	20,140	11,681	0.58	4.69	19,570	11,351	0.58	4.95	18,905	10,965	0.58	5.30
20	20	21,660	9,964	0.46	4.84	21,185	9,745	0.46	5.07	20,615	9,483	0.46	5.41
22	16	18,810	14,672	0.78	4.61	18,240	14,227	0.78	4.86	17,670	13,783	0.78	5.15
22	18	20,140	13,292	0.66	4.69	19,570	12,916	0.66	4.95	18,905	12,477	0.66	5.30
22	20	21,660	11,696	0.54	4.84	21,185	11,440	0.54	5.07	20,615	11,132	0.54	5.41
24	16	18,810	16,177	0.86	4.61	18,240	15,686	0.86	4.86	17,670	15,196	0.86	5.15
24	18	20,140	14,904	0.74	4.69	19,570	14,482	0.74	4.95	18,905	13,990	0.74	5.30
24	20	21,660	13,429	0.62	4.84	21,185	13,135	0.62	5.07	20,615	12,781	0.62	5.41
24	22	23,085	11,543	0.50	4.95	22,610	11,305	0.50	5.24	22,040	11,020	0.50	5.58
26	16	18,810	17,681	0.94	4.61	18,240	17,146	0.94	4.86	17,670	16,610	0.94	5.15
26	18	20,140	16,515	0.82	4.69	19,570	16,047	0.82	4.95	18,905	15,502	0.82	5.30
26	20	21,660	15,162	0.70	4.84	21,185	14,830	0.70	5.07	20,615	14,431	0.70	5.41
26	22	23,085	13,389	0.58	4.95	22,610	13,114	0.58	5.24	22,040	12,783	0.58	5.58
27	16	18,810	18,434	0.98	4.61	18,240	17,875	0.98	4.86	17,670	17,317	0.98	5.15
27	18	20,140	17,320	0.86	4.69	19,570	16,830	0.86	4.95	18,905	16,258	0.86	5.30
27	20	21,660	16,028	0.74	4.84	21,185	15,677	0.74	5.07	20,615	15,255	0.74	5.41
27	22	23,085	14,313	0.62	4.95	22,610	14,018	0.62	5.24	22,040	13,665	0.62	5.58
28	16	18,810	18,810	1.00	4.61	18,240	18,240	1.00	4.86	17,670	17,670	1.00	5.15
28	18	20,140	18,126	0.90	4.69	19,570	17,613	0.90	4.95	18,905	17,015	0.90	5.30
28	20	21,660	16,895	0.78	4.84	21,185	16,524	0.78	5.07	20,615	16,080	0.78	5.41
28	22	23,085	15,236	0.66	4.95	22,610	14,923	0.66	5.24	22,040	14,546	0.66	5.58
30	16	18,810	18,810	1.00	4.61	18,240	18,240	1.00	4.86	17,670	17,670	1.00	5.15
30	18	20,140	19,737	0.98	4.69	19,570	19,179	0.98	4.95	18,905	18,527	0.98	5.30
30	20	21,660	18,628	0.86	4.84	21,185	18,219	0.86	5.07	20,615	17,729	0.86	5.41
30	22	23,085	17,083	0.74	4.95	22,610	16,731	0.74	5.24	22,040	16,310	0.74	5.58
32	16	18,810	18,810	1.00	4.61	18,240	18,240	1.00	4.86	17,670	17,670	1.00	5.15
32	18	20,140	20,140	1.00	4.69	19,570	19,570	1.00	4.95	18,905	18,905	1.00	5.30
32	20	21,660	20,360	0.94	4.84	21,185	19,914	0.94	5.07	20,615	19,378	0.94	5.41
32	22	23,085	18,930	0.82	4.95	22,610	18,540	0.82	5.24	22,040	18,073	0.82	5.58
34	16	18,810	18,810	1.00	4.61	18,240	18,240	1.00	4.86	17,670	17,670	1.00	5.15
34	18	20,140	20,140	1.00	4.69	19,570	19,570	1.00	4.95	18,905	18,905	1.00	5.30
34	20	21,660	21,660	1.00	4.84	21,185	21,185	1.00	5.07	20,615	20,615	1.00	5.41
34	22	23,085	20,777	0.90	4.95	22,610	20,349	0.90	5.24	22,040	19,836	0.90	5.58

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	16,910	11,837	0.70	5.53	16,150	11,305	0.70	5.93	15,390	10,773	0.70	6.42
20	18	18,240	10,579	0.58	5.67	17,670	10,249	0.58	6.10	16,530	9,587	0.58	6.56
20	20	19,760	9,090	0.46	5.81	19,000	8,740	0.46	6.22	17,860	8,216	0.46	6.68
22	16	16,910	13,190	0.78	5.53	16,150	12,597	0.78	5.93	15,390	12,004	0.78	6.42
22	18	18,240	12,038	0.66	5.67	17,670	11,662	0.66	6.10	16,530	10,910	0.66	6.56
22	20	19,760	10,670	0.54	5.81	19,000	10,260	0.54	6.22	17,860	9,644	0.54	6.68
24	16	16,910	14,543	0.86	5.53	16,150	13,889	0.86	5.93	15,390	13,235	0.86	6.42
24	18	18,240	13,498	0.74	5.67	17,670	13,076	0.74	6.10	16,530	12,232	0.74	6.56
24	20	19,760	12,251	0.62	5.81	19,000	11,780	0.62	6.22	17,860	11,073	0.62	6.68
24	22	21,280	10,640	0.50	5.93	20,520	10,260	0.50	6.39	19,380	9,690	0.50	6.79
26	16	16,910	15,895	0.94	5.53	16,150	15,181	0.94	5.93	15,390	14,467	0.94	6.42
26	18	18,240	14,957	0.82	5.67	17,670	14,489	0.82	6.10	16,530	13,555	0.82	6.56
26	20	19,760	13,832	0.70	5.81	19,000	13,300	0.70	6.22	17,860	12,502	0.70	6.68
26	22	21,280	12,342	0.58	5.93	20,520	11,902	0.58	6.39	19,380	11,240	0.58	6.79
27	16	16,910	16,572	0.98	5.53	16,150	15,827	0.98	5.93	15,390	15,082	0.98	6.42
27	18	18,240	15,686	0.86	5.67	17,670	15,196	0.86	6.10	16,530	14,216	0.86	6.56
27	20	19,760	14,622	0.74	5.81	19,000	14,060	0.74	6.22	17,860	13,216	0.74	6.68
27	22	21,280	13,194	0.62	5.93	20,520	12,722	0.62	6.39	19,380	12,016	0.62	6.79
28	16	16,910	16,910	1.00	5.53	16,150	16,150	1.00	5.93	15,390	15,390	1.00	6.42
28	18	18,240	16,416	0.90	5.67	17,670	15,903	0.90	6.10	16,530	14,877	0.90	6.56
28	20	19,760	15,413	0.78	5.81	19,000	14,820	0.78	6.22	17,860	13,931	0.78	6.68
28	22	21,280	14,045	0.66	5.93	20,520	13,543	0.66	6.39	19,380	12,791	0.66	6.79
30	16	16,910	16,910	1.00	5.53	16,150	16,150	1.00	5.93	15,390	15,390	1.00	6.42
30	18	18,240	17,875	0.98	5.67	17,670	17,317	0.98	6.10	16,530	16,199	0.98	6.56
30	20	19,760	16,994	0.86	5.81	19,000	16,340	0.86	6.22	17,860	15,360	0.86	6.68
30	22	21,280	15,747	0.74	5.93	20,520	15,185	0.74	6.39	19,380	14,341	0.74	6.79
32	16	16,910	16,910	1.00	5.53	16,150	16,150	1.00	5.93	15,390	15,390	1.00	6.42
32	18	18,240	18,240	1.00	5.67	17,670	17,670	1.00	6.10	16,530	16,530	1.00	6.56
32	20	19,760	18,574	0.94	5.81	19,000	17,860	0.94	6.22	17,860	16,788	0.94	6.68
32	22	21,280	17,450	0.82	5.93	20,520	16,826	0.82	6.39	19,380	15,892	0.82	6.79
34	16	16,910	16,910	1.00	5.53	16,150	16,150	1.00	5.93	15,390	15,390	1.00	6.42
34	18	18,240	18,240	1.00	5.67	17,670	17,670	1.00	6.10	16,530	16,530	1.00	6.56
34	20	19,760	19,760	1.00	5.81	19,000	19,000	1.00	6.22	17,860	17,860	1.00	6.68
34	22	21,280	19,152	0.90	5.93	20,520	18,468	0.90	6.39	19,380	17,442	0.90	6.79

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEA-M250LA / PUZ-ZM250YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	21,780	15,028	0.69	5.77	21,120	14,573	0.69	6.09	20,460	14,117	0.69	6.46
20	18	23,320	13,292	0.57	5.88	22,660	12,916	0.57	6.20	21,890	12,477	0.57	6.64
20	20	25,080	11,286	0.45	6.06	24,530	11,039	0.45	6.35	23,870	10,742	0.45	6.78
22	16	21,780	16,771	0.77	5.77	21,120	16,262	0.77	6.09	20,460	15,754	0.77	6.46
22	18	23,320	15,158	0.65	5.88	22,660	14,729	0.65	6.20	21,890	14,229	0.65	6.64
22	20	25,080	13,292	0.53	6.06	24,530	13,001	0.53	6.35	23,870	12,651	0.53	6.78
24	16	21,780	18,513	0.85	5.77	21,120	17,952	0.85	6.09	20,460	17,391	0.85	6.46
24	18	23,320	17,024	0.73	5.88	22,660	16,542	0.73	6.20	21,890	15,980	0.73	6.64
24	20	25,080	15,299	0.61	6.06	24,530	14,963	0.61	6.35	23,870	14,561	0.61	6.78
24	22	26,730	13,098	0.49	6.20	26,180	12,828	0.49	6.56	25,520	12,505	0.49	7.00
26	16	21,780	20,255	0.93	5.77	21,120	19,642	0.93	6.09	20,460	19,028	0.93	6.46
26	18	23,320	18,889	0.81	5.88	22,660	18,355	0.81	6.20	21,890	17,731	0.81	6.64
26	20	25,080	17,305	0.69	6.06	24,530	16,926	0.69	6.35	23,870	16,470	0.69	6.78
26	22	26,730	15,236	0.57	6.20	26,180	14,923	0.57	6.56	25,520	14,546	0.57	7.00
27	16	21,780	21,127	0.97	5.77	21,120	20,486	0.97	6.09	20,460	19,846	0.97	6.46
27	18	23,320	19,822	0.85	5.88	22,660	19,261	0.85	6.20	21,890	18,607	0.85	6.64
27	20	25,080	18,308	0.73	6.06	24,530	17,907	0.73	6.35	23,870	17,425	0.73	6.78
27	22	26,730	16,305	0.61	6.20	26,180	15,970	0.61	6.56	25,520	15,567	0.61	7.00
28	16	21,780	21,780	1.00	5.77	21,120	21,120	1.00	6.09	20,460	20,460	1.00	6.46
28	18	23,320	20,755	0.89	5.88	22,660	20,167	0.89	6.20	21,890	19,482	0.89	6.64
28	20	25,080	19,312	0.77	6.06	24,530	18,888	0.77	6.35	23,870	18,380	0.77	6.78
28	22	26,730	17,375	0.65	6.20	26,180	17,017	0.65	6.56	25,520	16,588	0.65	7.00
30	16	21,780	21,780	1.00	5.77	21,120	21,120	1.00	6.09	20,460	20,460	1.00	6.46
30	18	23,320	22,620	0.97	5.88	22,660	21,980	0.97	6.20	21,890	21,233	0.97	6.64
30	20	25,080	21,318	0.85	6.06	24,530	20,851	0.85	6.35	23,870	20,290	0.85	6.78
30	22	26,730	19,513	0.73	6.20	26,180	19,111	0.73	6.56	25,520	18,630	0.73	7.00
32	16	21,780	21,780	1.00	5.77	21,120	21,120	1.00	6.09	20,460	20,460	1.00	6.46
32	18	23,320	23,320	1.00	5.88	22,660	22,660	1.00	6.20	21,890	21,890	1.00	6.64
32	20	25,080	23,324	0.93	6.06	24,530	22,813	0.93	6.35	23,870	22,199	0.93	6.78
32	22	26,730	21,651	0.81	6.20	26,180	21,206	0.81	6.56	25,520	20,671	0.81	7.00
34	16	21,780	21,780	1.00	5.77	21,120	21,120	1.00	6.09	20,460	20,460	1.00	6.46
34	18	23,320	23,320	1.00	5.88	22,660	22,660	1.00	6.20	21,890	21,890	1.00	6.64
34	20	25,080	25,080	1.00	6.06	24,530	24,530	1.00	6.35	23,870	23,870	1.00	6.78
34	22	26,730	23,790	0.89	6.20	26,180	23,300	0.89	6.56	25,520	22,713	0.89	7.00

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	19,580	13,510	0.69	6.92	18,700	12,903	0.69	7.43	17,820	12,296	0.69	8.04
20	18	21,120	12,038	0.57	7.10	20,460	11,662	0.57	7.65	19,140	10,910	0.57	8.22
20	20	22,880	10,296	0.45	7.29	22,000	9,900	0.45	7.79	20,680	9,306	0.45	8.37
22	16	19,580	15,077	0.77	6.92	18,700	14,399	0.77	7.43	17,820	13,721	0.77	8.04
22	18	21,120	13,728	0.65	7.10	20,460	13,299	0.65	7.65	19,140	12,441	0.65	8.22
22	20	22,880	12,126	0.53	7.29	22,000	11,660	0.53	7.79	20,680	10,960	0.53	8.37
24	16	19,580	16,643	0.85	6.92	18,700	15,895	0.85	7.43	17,820	15,147	0.85	8.04
24	18	21,120	15,418	0.73	7.10	20,460	14,936	0.73	7.65	19,140	13,972	0.73	8.22
24	20	22,880	13,957	0.61	7.29	22,000	13,420	0.61	7.79	20,680	12,615	0.61	8.37
24	22	24,640	12,074	0.49	7.43	23,760	11,642	0.49	8.01	22,440	10,996	0.49	8.51
26	16	19,580	18,209	0.93	6.92	18,700	17,391	0.93	7.43	17,820	16,573	0.93	8.04
26	18	21,120	17,107	0.81	7.10	20,460	16,573	0.81	7.65	19,140	15,503	0.81	8.22
26	20	22,880	15,787	0.69	7.29	22,000	15,180	0.69	7.79	20,680	14,269	0.69	8.37
26	22	24,640	14,045	0.57	7.43	23,760	13,543	0.57	8.01	22,440	12,791	0.57	8.51
27	16	19,580	18,993	0.97	6.92	18,700	18,139	0.97	7.43	17,820	17,285	0.97	8.04
27	18	21,120	17,952	0.85	7.10	20,460	17,391	0.85	7.65	19,140	16,269	0.85	8.22
27	20	22,880	16,702	0.73	7.29	22,000	16,060	0.73	7.79	20,680	15,096	0.73	8.37
27	22	24,640	15,030	0.61	7.43	23,760	14,494	0.61	8.01	22,440	13,688	0.61	8.51
28	16	19,580	19,580	1.00	6.92	18,700	18,700	1.00	7.43	17,820	17,820	1.00	8.04
28	18	21,120	18,797	0.89	7.10	20,460	18,209	0.89	7.65	19,140	17,035	0.89	8.22
28	20	22,880	17,618	0.77	7.29	22,000	16,940	0.77	7.79	20,680	15,924	0.77	8.37
28	22	24,640	16,016	0.65	7.43	23,760	15,444	0.65	8.01	22,440	14,586	0.65	8.51
30	16	19,580	19,580	1.00	6.92	18,700	18,700	1.00	7.43	17,820	17,820	1.00	8.04
30	18	21,120	20,486	0.97	7.10	20,460	19,846	0.97	7.65	19,140	18,566	0.97	8.22
30	20	22,880	19,448	0.85	7.29	22,000	18,700	0.85	7.79	20,680	17,578	0.85	8.37
30	22	24,640	17,987	0.73	7.43	23,760	17,345	0.73	8.01	22,440	16,381	0.73	8.51
32	16	19,580	19,580	1.00	6.92	18,700	18,700	1.00	7.43	17,820	17,820	1.00	8.04
32	18	21,120	21,120	1.00	7.10	20,460	20,460	1.00	7.65	19,140	19,140	1.00	8.22
32	20	22,880	21,278	0.93	7.29	22,000	20,460	0.93	7.79	20,680	19,232	0.93	8.37
32	22	24,640	19,958	0.81	7.43	23,760	19,246	0.81	8.01	22,440	18,176	0.81	8.51
34	16	19,580	19,580	1.00	6.92	18,700	18,700	1.00	7.43	17,820	17,820	1.00	8.04
34	18	21,120	21,120	1.00	7.10	20,460	20,460	1.00	7.65	19,140	19,140	1.00	8.22
34	20	22,880	22,880	1.00	7.29	22,000	22,000	1.00	7.79	20,680	20,680	1.00	8.37
34	22	24,640	21,930	0.89	7.43	23,760	21,146	0.89	8.01	22,440	19,972	0.89	8.51

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M35JA / SUZ-M35VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4,230	2,834	0.67	0.736	4,050	2,714	0.67	0.773	3,888	2,605	0.67	0.810	3,744	2,508	0.67	0.846
21	20	4,410	2,426	0.55	0.773	4,230	2,327	0.55	0.819	4,104	2,257	0.55	0.837	3,960	2,178	0.55	0.874
22	18	4,230	3,003	0.71	0.736	4,050	2,876	0.71	0.773	3,888	2,760	0.71	0.810	3,744	2,658	0.71	0.846
22	20	4,410	2,602	0.59	0.773	4,230	2,496	0.59	0.819	4,104	2,421	0.59	0.837	3,960	2,336	0.59	0.874
22	22	4,590	2,157	0.47	0.800	4,428	2,081	0.47	0.851	4,320	2,030	0.47	0.874	4,140	1,946	0.47	0.911
23	18	4,230	3,173	0.75	0.736	4,050	3,038	0.75	0.773	3,888	2,916	0.75	0.810	3,744	2,808	0.75	0.846
23	20	4,410	2,778	0.63	0.773	4,230	2,665	0.63	0.819	4,104	2,586	0.63	0.837	3,960	2,495	0.63	0.874
23	22	4,590	2,341	0.51	0.800	4,428	2,258	0.51	0.851	4,320	2,203	0.51	0.874	4,140	2,111	0.51	0.911
24	18	4,230	3,342	0.79	0.736	4,050	3,200	0.79	0.773	3,888	3,072	0.79	0.810	3,744	2,958	0.79	0.846
24	20	4,410	2,955	0.67	0.773	4,230	2,834	0.67	0.819	4,104	2,750	0.67	0.837	3,960	2,653	0.67	0.874
24	22	4,590	2,525	0.55	0.800	4,428	2,435	0.55	0.851	4,320	2,376	0.55	0.874	4,140	2,277	0.55	0.911
24	24	4,824	2,074	0.43	0.837	4,644	1,997	0.43	0.883	4,536	1,950	0.43	0.911	4,392	1,889	0.43	0.957
25	20	4,410	3,131	0.71	0.773	4,230	3,003	0.71	0.819	4,104	2,914	0.71	0.837	3,960	2,812	0.71	0.874
25	22	4,590	2,708	0.59	0.800	4,428	2,613	0.59	0.851	4,320	2,549	0.59	0.874	4,140	2,443	0.59	0.911
25	24	4,824	2,267	0.47	0.837	4,644	2,183	0.47	0.883	4,536	2,132	0.47	0.911	4,392	2,064	0.47	0.957
26	18	4,230	3,680	0.87	0.736	4,050	3,524	0.87	0.773	3,888	3,383	0.87	0.810	3,744	3,257	0.87	0.846
26	20	4,410	3,308	0.75	0.773	4,230	3,173	0.75	0.819	4,104	3,078	0.75	0.837	3,960	2,970	0.75	0.874
26	22	4,590	2,892	0.63	0.800	4,428	2,790	0.63	0.851	4,320	2,722	0.63	0.874	4,140	2,608	0.63	0.911
26	24	4,824	2,460	0.51	0.837	4,644	2,368	0.51	0.883	4,536	2,313	0.51	0.911	4,392	2,240	0.51	0.957
26	26	4,968	1,938	0.39	0.883	4,824	1,881	0.39	0.929	4,752	1,853	0.39	0.957	4,608	1,797	0.39	0.984
27	18	4,230	3,849	0.91	0.736	4,050	3,686	0.91	0.773	3,888	3,538	0.91	0.810	3,744	3,407	0.91	0.846
27	20	4,410	3,484	0.79	0.773	4,230	3,342	0.79	0.819	4,104	3,242	0.79	0.837	3,960	3,128	0.79	0.874
27	22	4,590	3,075	0.67	0.800	4,428	2,967	0.67	0.851	4,320	2,894	0.67	0.874	4,140	2,774	0.67	0.911
27	24	4,824	2,653	0.55	0.837	4,644	2,554	0.55	0.883	4,536	2,495	0.55	0.911	4,392	2,416	0.55	0.957
27	26	4,968	2,136	0.43	0.883	4,824	2,074	0.43	0.929	4,752	2,043	0.43	0.957	4,608	1,981	0.43	0.984
28	18	4,230	4,019	0.95	0.736	4,050	3,848	0.95	0.773	3,888	3,694	0.95	0.810	3,744	3,557	0.95	0.846
28	20	4,410	3,660	0.83	0.773	4,230	3,511	0.83	0.819	4,104	3,406	0.83	0.837	3,960	3,287	0.83	0.874
28	22	4,590	3,259	0.71	0.800	4,428	3,144	0.71	0.851	4,320	3,067	0.71	0.874	4,140	2,939	0.71	0.911
28	24	4,824	2,846	0.59	0.837	4,644	2,740	0.59	0.883	4,536	2,676	0.59	0.911	4,392	2,591	0.59	0.957
28	26	4,968	2,335	0.47	0.883	4,824	2,267	0.47	0.929	4,752	2,233	0.47	0.957	4,608	2,166	0.47	0.984
29	18	4,230	4,188	0.99	0.736	4,050	4,010	0.99	0.773	3,888	3,849	0.99	0.810	3,744	3,707	0.99	0.846
29	20	4,410	3,837	0.87	0.773	4,230	3,680	0.87	0.819	4,104	3,570	0.87	0.837	3,960	3,445	0.87	0.874
29	22	4,590	3,443	0.75	0.800	4,428	3,321	0.75	0.851	4,320	3,240	0.75	0.874	4,140	3,105	0.75	0.911
29	24	4,824	3,039	0.63	0.837	4,644	2,926	0.63	0.883	4,536	2,858	0.63	0.911	4,392	2,767	0.63	0.957
29	26	4,968	2,534	0.51	0.883	4,824	2,460	0.51	0.929	4,752	2,424	0.51	0.957	4,608	2,350	0.51	0.984
30	18	4,230	4,357	1.03	0.736	4,050	4,172	1.03	0.773	3,888	4,005	1.03	0.810	3,744	3,856	1.03	0.846
30	20	4,410	4,013	0.91	0.773	4,230	3,849	0.91	0.819	4,104	3,735	0.91	0.837	3,960	3,604	0.91	0.874
30	22	4,590	3,626	0.79	0.800	4,428	3,498	0.79	0.851	4,320	3,413	0.79	0.874	4,140	3,271	0.79	0.911
30	24	4,824	3,232	0.67	0.837	4,644	3,111	0.67	0.883	4,536	3,039	0.67	0.911	4,392	2,943	0.67	0.957
30	26	4,968	2,732	0.55	0.883	4,824	2,653	0.55	0.929	4,752	2,614	0.55	0.957	4,608	2,534	0.55	0.984
31	18	4,230	4,526	1.07	0.736	4,050	4,334	1.07	0.773	3,888	4,160	1.07	0.810	3,744	4,006	1.07	0.846
31	20	4,410	4,190	0.95	0.773	4,230	4,019	0.95	0.819	4,104	3,899	0.95	0.837	3,960	3,762	0.95	0.874
31	22	4,590	3,810	0.83	0.800	4,428	3,675	0.83	0.851	4,320	3,586	0.83	0.874	4,140	3,436	0.83	0.911
31	24	4,824	3,425	0.71	0.837	4,644	3,297	0.71	0.883	4,536	3,221	0.71	0.911	4,392	3,118	0.71	0.957
31	26	4,968	2,931	0.59	0.883	4,824	2,846	0.59	0.929	4,752	2,804	0.59	0.957	4,608	2,719	0.59	0.984
32	18	4,230	4,695	1.11	0.736	4,050	4,496	1.11	0.773	3,888	4,316	1.11	0.810	3,744	4,156	1.11	0.846
32	20	4,410	4,366	0.99	0.773	4,230	4,188	0.99	0.819	4,104	4,063	0.99	0.837	3,960	3,920	0.99	0.874
32	22	4,590	3,993	0.87	0.800	4,428	3,852	0.87	0.851	4,320	3,758	0.87	0.874	4,140	3,602	0.87	0.911
32	24	4,824	3,618	0.75	0.837	4,644	3,483	0.75	0.883	4,536	3,402	0.75	0.911	4,392	3,294	0.75	0.957
32	26	4,968	3,130	0.63	0.883	4,824	3,039	0.63	0.929	4,752	2,994	0.63	0.957	4,608	2,903	0.63	0.984

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M35JA / SUZ-M35VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3,528	2,364	0.67	0.902	3,240	2,171	0.67	0.957	2,988	2,002	0.67	0.994
21	20	3,708	2,039	0.55	0.938	3,456	1,901	0.55	0.984	3,204	1,762	0.55	1.040
22	18	3,528	2,505	0.71	0.902	3,240	2,300	0.71	0.957	2,988	2,121	0.71	0.994
22	20	3,708	2,188	0.59	0.938	3,456	2,039	0.59	0.984	3,204	1,890	0.59	1.040
22	22	3,924	1,844	0.47	0.975	3,672	1,726	0.47	1.030	3,420	1,607	0.47	1.067
23	18	3,528	2,646	0.75	0.902	3,240	2,430	0.75	0.957	2,988	2,241	0.75	0.994
23	20	3,708	2,336	0.63	0.938	3,456	2,177	0.63	0.984	3,204	2,019	0.63	1.040
23	22	3,924	2,001	0.51	0.975	3,672	1,873	0.51	1.030	3,420	1,744	0.51	1.067
24	18	3,528	2,787	0.79	0.902	3,240	2,560	0.79	0.957	2,988	2,361	0.79	0.994
24	20	3,708	2,484	0.67	0.938	3,456	2,316	0.67	0.984	3,204	2,147	0.67	1.040
24	22	3,924	2,158	0.55	0.975	3,672	2,020	0.55	1.030	3,420	1,881	0.55	1.067
24	24	4,140	1,780	0.43	1.012	3,888	1,672	0.43	1.058	3,672	1,579	0.43	1.104
25	20	3,708	2,633	0.71	0.938	3,456	2,454	0.71	0.984	3,204	2,275	0.71	1.040
25	22	3,924	2,315	0.59	0.975	3,672	2,166	0.59	1.030	3,420	2,018	0.59	1.067
25	24	4,140	1,946	0.47	1.012	3,888	1,827	0.47	1.058	3,672	1,726	0.47	1.104
26	18	3,528	3,069	0.87	0.902	3,240	2,819	0.87	0.957	2,988	2,600	0.87	0.994
26	20	3,708	2,781	0.75	0.938	3,456	2,592	0.75	0.984	3,204	2,403	0.75	1.040
26	22	3,924	2,472	0.63	0.975	3,672	2,313	0.63	1.030	3,420	2,155	0.63	1.067
26	24	4,140	2,111	0.51	1.012	3,888	1,983	0.51	1.058	3,672	1,873	0.51	1.104
26	26	4,356	1,699	0.39	1.049	4,104	1,601	0.39	1.095	3,852	1,502	0.39	1.141
27	18	3,528	3,210	0.91	0.902	3,240	2,948	0.91	0.957	2,988	2,719	0.91	0.994
27	20	3,708	2,929	0.79	0.938	3,456	2,730	0.79	0.984	3,204	2,531	0.79	1.040
27	22	3,924	2,629	0.67	0.975	3,672	2,460	0.67	1.030	3,420	2,291	0.67	1.067
27	24	4,140	2,277	0.55	1.012	3,888	2,138	0.55	1.058	3,672	2,020	0.55	1.104
27	26	4,356	1,873	0.43	1.049	4,104	1,765	0.43	1.095	3,852	1,656	0.43	1.141
28	18	3,528	3,352	0.95	0.902	3,240	3,078	0.95	0.957	2,988	2,839	0.95	0.994
28	20	3,708	3,078	0.83	0.938	3,456	2,868	0.83	0.984	3,204	2,659	0.83	1.040
28	22	3,924	2,786	0.71	0.975	3,672	2,607	0.71	1.030	3,420	2,428	0.71	1.067
28	24	4,140	2,443	0.59	1.012	3,888	2,294	0.59	1.058	3,672	2,166	0.59	1.104
28	26	4,356	2,047	0.47	1.049	4,104	1,929	0.47	1.095	3,852	1,810	0.47	1.141
29	18	3,528	3,493	0.99	0.902	3,240	3,208	0.99	0.957	2,988	2,958	0.99	0.994
29	20	3,708	3,226	0.87	0.938	3,456	3,007	0.87	0.984	3,204	2,787	0.87	1.040
29	22	3,924	2,943	0.75	0.975	3,672	2,754	0.75	1.030	3,420	2,565	0.75	1.067
29	24	4,140	2,608	0.63	1.012	3,888	2,449	0.63	1.058	3,672	2,313	0.63	1.104
29	26	4,356	2,222	0.51	1.049	4,104	2,093	0.51	1.095	3,852	1,965	0.51	1.141
30	18	3,528	3,634	1.03	0.902	3,240	3,337	1.03	0.957	2,988	3,078	1.03	0.994
30	20	3,708	3,374	0.91	0.938	3,456	3,145	0.91	0.984	3,204	2,916	0.91	1.040
30	22	3,924	3,100	0.79	0.975	3,672	2,901	0.79	1.030	3,420	2,702	0.79	1.067
30	24	4,140	2,774	0.67	1.012	3,888	2,605	0.67	1.058	3,672	2,460	0.67	1.104
30	26	4,356	2,396	0.55	1.049	4,104	2,257	0.55	1.095	3,852	2,119	0.55	1.141
31	18	3,528	3,775	1.07	0.902	3,240	3,467	1.07	0.957	2,988	3,197	1.07	0.994
31	20	3,708	3,523	0.95	0.938	3,456	3,283	0.95	0.984	3,204	3,044	0.95	1.040
31	22	3,924	3,257	0.83	0.975	3,672	3,048	0.83	1.030	3,420	2,839	0.83	1.067
31	24	4,140	2,939	0.71	1.012	3,888	2,760	0.71	1.058	3,672	2,607	0.71	1.104
31	26	4,356	2,570	0.59	1.049	4,104	2,421	0.59	1.095	3,852	2,273	0.59	1.141
32	18	3,528	3,916	1.11	0.902	3,240	3,596	1.11	0.957	2,988	3,317	1.11	0.994
32	20	3,708	3,671	0.99	0.938	3,456	3,421	0.99	0.984	3,204	3,172	0.99	1.040
32	22	3,924	3,414	0.87	0.975	3,672	3,195	0.87	1.030	3,420	2,975	0.87	1.067
32	24	4,140	3,105	0.75	1.012	3,888	2,916	0.75	1.058	3,672	2,754	0.75	1.104
32	26	4,356	2,744	0.63	1.049	4,104	2,586	0.63	1.095	3,852	2,427	0.63	1.141

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M50JA / SUZ-M50VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5,875	3,878	0.66	1.080	5,625	3,713	0.66	1.134	5,400	3,564	0.66	1.188	5,200	3,432	0.66	1.242
21	20	6,125	3,308	0.54	1.134	5,875	3,173	0.54	1.202	5,700	3,078	0.54	1.229	5,500	2,970	0.54	1.283
22	18	5,875	4,113	0.70	1.080	5,625	3,938	0.70	1.134	5,400	3,780	0.70	1.188	5,200	3,640	0.70	1.242
22	20	6,125	3,553	0.58	1.134	5,875	3,408	0.58	1.202	5,700	3,306	0.58	1.229	5,500	3,190	0.58	1.283
22	22	6,375	2,933	0.46	1.175	6,150	2,829	0.46	1.249	6,000	2,760	0.46	1.283	5,750	2,645	0.46	1.337
23	18	5,875	4,348	0.74	1.080	5,625	4,163	0.74	1.134	5,400	3,996	0.74	1.188	5,200	3,848	0.74	1.242
23	20	6,125	3,798	0.62	1.134	5,875	3,643	0.62	1.202	5,700	3,534	0.62	1.229	5,500	3,410	0.62	1.283
23	22	6,375	3,188	0.50	1.175	6,150	3,075	0.50	1.249	6,000	3,000	0.50	1.283	5,750	2,875	0.50	1.337
24	18	5,875	4,583	0.78	1.080	5,625	4,388	0.78	1.134	5,400	4,212	0.78	1.188	5,200	4,056	0.78	1.242
24	20	6,125	4,043	0.66	1.134	5,875	3,878	0.66	1.202	5,700	3,762	0.66	1.229	5,500	3,630	0.66	1.283
24	22	6,375	3,443	0.54	1.175	6,150	3,321	0.54	1.249	6,000	3,240	0.54	1.283	5,750	3,105	0.54	1.337
24	24	6,700	2,814	0.42	1.229	6,450	2,709	0.42	1.296	6,300	2,646	0.42	1.337	6,100	2,562	0.42	1.404
25	20	6,125	4,288	0.70	1.134	5,875	4,113	0.70	1.202	5,700	3,990	0.70	1.229	5,500	3,850	0.70	1.283
25	22	6,375	3,698	0.58	1.175	6,150	3,567	0.58	1.249	6,000	3,480	0.58	1.283	5,750	3,335	0.58	1.337
25	24	6,700	3,082	0.46	1.229	6,450	2,967	0.46	1.296	6,300	2,898	0.46	1.337	6,100	2,806	0.46	1.404
26	18	5,875	5,053	0.86	1.080	5,625	4,838	0.86	1.134	5,400	4,644	0.86	1.188	5,200	4,472	0.86	1.242
26	20	6,125	4,533	0.74	1.134	5,875	4,348	0.74	1.202	5,700	4,218	0.74	1.229	5,500	4,070	0.74	1.283
26	22	6,375	3,953	0.62	1.175	6,150	3,813	0.62	1.249	6,000	3,720	0.62	1.283	5,750	3,565	0.62	1.337
26	24	6,700	3,350	0.50	1.229	6,450	3,225	0.50	1.296	6,300	3,150	0.50	1.337	6,100	3,050	0.50	1.404
26	26	6,900	2,622	0.38	1.296	6,700	2,546	0.38	1.364	6,600	2,508	0.38	1.404	6,400	2,432	0.38	1.445
27	18	5,875	5,288	0.90	1.080	5,625	5,063	0.90	1.134	5,400	4,860	0.90	1.188	5,200	4,680	0.90	1.242
27	20	6,125	4,778	0.78	1.134	5,875	4,583	0.78	1.202	5,700	4,446	0.78	1.229	5,500	4,290	0.78	1.283
27	22	6,375	4,208	0.66	1.175	6,150	4,059	0.66	1.249	6,000	3,960	0.66	1.283	5,750	3,795	0.66	1.337
27	24	6,700	3,618	0.54	1.229	6,450	3,483	0.54	1.296	6,300	3,402	0.54	1.337	6,100	3,294	0.54	1.404
27	26	6,900	2,898	0.42	1.296	6,700	2,814	0.42	1.364	6,600	2,772	0.42	1.404	6,400	2,688	0.42	1.445
28	18	5,875	5,523	0.94	1.080	5,625	5,288	0.94	1.134	5,400	5,076	0.94	1.188	5,200	4,888	0.94	1.242
28	20	6,125	5,023	0.82	1.134	5,875	4,818	0.82	1.202	5,700	4,674	0.82	1.229	5,500	4,510	0.82	1.283
28	22	6,375	4,463	0.70	1.175	6,150	4,305	0.70	1.249	6,000	4,200	0.70	1.283	5,750	4,025	0.70	1.337
28	24	6,700	3,886	0.58	1.229	6,450	3,741	0.58	1.296	6,300	3,654	0.58	1.337	6,100	3,538	0.58	1.404
28	26	6,900	3,174	0.46	1.296	6,700	3,082	0.46	1.364	6,600	3,036	0.46	1.404	6,400	2,944	0.46	1.445
29	18	5,875	5,758	0.98	1.080	5,625	5,513	0.98	1.134	5,400	5,292	0.98	1.188	5,200	5,096	0.98	1.242
29	20	6,125	5,268	0.86	1.134	5,875	5,053	0.86	1.202	5,700	4,902	0.86	1.229	5,500	4,730	0.86	1.283
29	22	6,375	4,718	0.74	1.175	6,150	4,551	0.74	1.249	6,000	4,440	0.74	1.283	5,750	4,255	0.74	1.337
29	24	6,700	4,154	0.62	1.229	6,450	3,999	0.62	1.296	6,300	3,906	0.62	1.337	6,100	3,782	0.62	1.404
29	26	6,900	3,450	0.50	1.296	6,700	3,350	0.50	1.364	6,600	3,300	0.50	1.404	6,400	3,200	0.50	1.445
30	18	5,875	5,993	1.02	1.080	5,625	5,738	1.02	1.134	5,400	5,508	1.02	1.188	5,200	5,304	1.02	1.242
30	20	6,125	5,513	0.90	1.134	5,875	5,288	0.90	1.202	5,700	5,130	0.90	1.229	5,500	4,950	0.90	1.283
30	22	6,375	4,973	0.78	1.175	6,150	4,797	0.78	1.249	6,000	4,680	0.78	1.283	5,750	4,485	0.78	1.337
30	24	6,700	4,422	0.66	1.229	6,450	4,257	0.66	1.296	6,300	4,158	0.66	1.337	6,100	4,026	0.66	1.404
30	26	6,900	3,726	0.54	1.296	6,700	3,618	0.54	1.364	6,600	3,564	0.54	1.404	6,400	3,456	0.54	1.445
31	18	5,875	6,228	1.06	1.080	5,625	5,963	1.06	1.134	5,400	5,724	1.06	1.188	5,200	5,512	1.06	1.242
31	20	6,125	5,758	0.94	1.134	5,875	5,523	0.94	1.202	5,700	5,358	0.94	1.229	5,500	5,170	0.94	1.283
31	22	6,375	5,228	0.82	1.175	6,150	5,043	0.82	1.249	6,000	4,920	0.82	1.283	5,750	4,715	0.82	1.337
31	24	6,700	4,690	0.70	1.229	6,450	4,515	0.70	1.296	6,300	4,410	0.70	1.337	6,100	4,270	0.70	1.404
31	26	6,900	4,002	0.58	1.296	6,700	3,886	0.58	1.364	6,600	3,828	0.58	1.404	6,400	3,712	0.58	1.445
32	18	5,875	6,463	1.10	1.080	5,625	6,188	1.10	1.134	5,400	5,940	1.10	1.188	5,200	5,720	1.10	1.242
32	20	6,125	6,003	0.98	1.134	5,875	5,758	0.98	1.202	5,700	5,586	0.98	1.229	5,500	5,390	0.98	1.283
32	22	6,375	5,483	0.86	1.175	6,150	5,289	0.86	1.249	6,000	5,160	0.86	1.283	5,750	4,945	0.86	1.337
32	24	6,700	4,958	0.74	1.229	6,450	4,773	0.74	1.296	6,300	4,662	0.74	1.337	6,100	4,514	0.74	1.404
32	26	6,900	4,278	0.62	1.296	6,700	4,154	0.62	1.364	6,600	4,092	0.62	1.404	6,400	3,968	0.62	1.445

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M50JA / SUZ-M50VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4,900	3,234	0.66	1.323	4,500	2,970	0.66	1.404	4,150	2,739	0.66	1.458
21	20	5,150	2,781	0.54	1.377	4,800	2,592	0.54	1.445	4,450	2,403	0.54	1.526
22	18	4,900	3,430	0.70	1.323	4,500	3,150	0.70	1.404	4,150	2,905	0.70	1.458
22	20	5,150	2,987	0.58	1.377	4,800	2,784	0.58	1.445	4,450	2,581	0.58	1.526
22	22	5,450	2,507	0.46	1.431	5,100	2,346	0.46	1.512	4,750	2,185	0.46	1.566
23	18	4,900	3,626	0.74	1.323	4,500	3,330	0.74	1.404	4,150	3,071	0.74	1.458
23	20	5,150	3,193	0.62	1.377	4,800	2,976	0.62	1.445	4,450	2,759	0.62	1.526
23	22	5,450	2,725	0.50	1.431	5,100	2,550	0.50	1.512	4,750	2,375	0.50	1.566
24	18	4,900	3,822	0.78	1.323	4,500	3,510	0.78	1.404	4,150	3,237	0.78	1.458
24	20	5,150	3,399	0.66	1.377	4,800	3,168	0.66	1.445	4,450	2,937	0.66	1.526
24	22	5,450	2,943	0.54	1.431	5,100	2,754	0.54	1.512	4,750	2,565	0.54	1.566
24	24	5,750	2,415	0.42	1.485	5,400	2,268	0.42	1.553	5,100	2,142	0.42	1.620
25	20	5,150	3,605	0.70	1.377	4,800	3,360	0.70	1.445	4,450	3,115	0.70	1.526
25	22	5,450	3,161	0.58	1.431	5,100	2,958	0.58	1.512	4,750	2,755	0.58	1.566
25	24	5,750	2,645	0.46	1.485	5,400	2,484	0.46	1.553	5,100	2,346	0.46	1.620
26	18	4,900	4,214	0.86	1.323	4,500	3,870	0.86	1.404	4,150	3,569	0.86	1.458
26	20	5,150	3,811	0.74	1.377	4,800	3,552	0.74	1.445	4,450	3,293	0.74	1.526
26	22	5,450	3,379	0.62	1.431	5,100	3,162	0.62	1.512	4,750	2,945	0.62	1.566
26	24	5,750	2,875	0.50	1.485	5,400	2,700	0.50	1.553	5,100	2,550	0.50	1.620
26	26	6,050	2,299	0.38	1.539	5,700	2,166	0.38	1.607	5,350	2,033	0.38	1.674
27	18	4,900	4,410	0.90	1.323	4,500	4,050	0.90	1.404	4,150	3,735	0.90	1.458
27	20	5,150	4,017	0.78	1.377	4,800	3,744	0.78	1.445	4,450	3,471	0.78	1.526
27	22	5,450	3,597	0.66	1.431	5,100	3,366	0.66	1.512	4,750	3,135	0.66	1.566
27	24	5,750	3,105	0.54	1.485	5,400	2,916	0.54	1.553	5,100	2,754	0.54	1.620
27	26	6,050	2,541	0.42	1.539	5,700	2,394	0.42	1.607	5,350	2,247	0.42	1.674
28	18	4,900	4,606	0.94	1.323	4,500	4,230	0.94	1.404	4,150	3,901	0.94	1.458
28	20	5,150	4,223	0.82	1.377	4,800	3,936	0.82	1.445	4,450	3,649	0.82	1.526
28	22	5,450	3,815	0.70	1.431	5,100	3,570	0.70	1.512	4,750	3,325	0.70	1.566
28	24	5,750	3,335	0.58	1.485	5,400	3,132	0.58	1.553	5,100	2,958	0.58	1.620
28	26	6,050	2,783	0.46	1.539	5,700	2,622	0.46	1.607	5,350	2,461	0.46	1.674
29	18	4,900	4,802	0.98	1.323	4,500	4,410	0.98	1.404	4,150	4,067	0.98	1.458
29	20	5,150	4,429	0.86	1.377	4,800	4,128	0.86	1.445	4,450	3,827	0.86	1.526
29	22	5,450	4,033	0.74	1.431	5,100	3,774	0.74	1.512	4,750	3,515	0.74	1.566
29	24	5,750	3,565	0.62	1.485	5,400	3,348	0.62	1.553	5,100	3,162	0.62	1.620
29	26	6,050	3,025	0.50	1.539	5,700	2,850	0.50	1.607	5,350	2,675	0.50	1.674
30	18	4,900	4,998	1.02	1.323	4,500	4,590	1.02	1.404	4,150	4,233	1.02	1.458
30	20	5,150	4,635	0.90	1.377	4,800	4,320	0.90	1.445	4,450	4,005	0.90	1.526
30	22	5,450	4,251	0.78	1.431	5,100	3,978	0.78	1.512	4,750	3,705	0.78	1.566
30	24	5,750	3,795	0.66	1.485	5,400	3,564	0.66	1.553	5,100	3,366	0.66	1.620
30	26	6,050	3,267	0.54	1.539	5,700	3,078	0.54	1.607	5,350	2,889	0.54	1.674
31	18	4,900	5,194	1.06	1.323	4,500	4,770	1.06	1.404	4,150	4,399	1.06	1.458
31	20	5,150	4,841	0.94	1.377	4,800	4,512	0.94	1.445	4,450	4,183	0.94	1.526
31	22	5,450	4,469	0.82	1.431	5,100	4,182	0.82	1.512	4,750	3,895	0.82	1.566
31	24	5,750	4,025	0.70	1.485	5,400	3,780	0.70	1.553	5,100	3,570	0.70	1.620
31	26	6,050	3,509	0.58	1.539	5,700	3,306	0.58	1.607	5,350	3,103	0.58	1.674
32	18	4,900	5,390	1.10	1.323	4,500	4,950	1.10	1.404	4,150	4,565	1.10	1.458
32	20	5,150	5,047	0.98	1.377	4,800	4,704	0.98	1.445	4,450	4,361	0.98	1.526
32	22	5,450	4,687	0.86	1.431	5,100	4,386	0.86	1.512	4,750	4,085	0.86	1.566
32	24	5,750	4,255	0.74	1.485	5,400	3,996	0.74	1.553	5,100	3,774	0.74	1.620
32	26	6,050	3,751	0.62	1.539	5,700	3,534	0.62	1.607	5,350	3,317	0.62	1.674

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M60JA / SUZ-M60VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	7,168	4,659	0.65	1.352	6,863	4,461	0.65	1.420	6,588	4,282	0.65	1.487	6,344	4,124	0.65	1.555
21	20	7,473	3,960	0.53	1.420	7,168	3,799	0.53	1.504	6,954	3,686	0.53	1.538	6,710	3,556	0.53	1.606
22	18	7,168	4,946	0.69	1.352	6,863	4,735	0.69	1.420	6,588	4,546	0.69	1.487	6,344	4,377	0.69	1.555
22	20	7,473	4,259	0.57	1.420	7,168	4,085	0.57	1.504	6,954	3,964	0.57	1.538	6,710	3,825	0.57	1.606
22	22	7,778	3,500	0.45	1.470	7,503	3,376	0.45	1.563	7,320	3,294	0.45	1.606	7,015	3,157	0.45	1.673
23	18	7,168	5,232	0.73	1.352	6,863	5,010	0.73	1.420	6,588	4,809	0.73	1.487	6,344	4,631	0.73	1.555
23	20	7,473	4,558	0.61	1.420	7,168	4,372	0.61	1.504	6,954	4,242	0.61	1.538	6,710	4,093	0.61	1.606
23	22	7,778	3,811	0.49	1.470	7,503	3,676	0.49	1.563	7,320	3,587	0.49	1.606	7,015	3,437	0.49	1.673
24	18	7,168	5,519	0.77	1.352	6,863	5,284	0.77	1.420	6,588	5,073	0.77	1.487	6,344	4,885	0.77	1.555
24	20	7,473	4,857	0.65	1.420	7,168	4,659	0.65	1.504	6,954	4,520	0.65	1.538	6,710	4,362	0.65	1.606
24	22	7,778	4,122	0.53	1.470	7,503	3,977	0.53	1.563	7,320	3,880	0.53	1.606	7,015	3,718	0.53	1.673
24	24	8,174	3,351	0.41	1.538	7,869	3,226	0.41	1.622	7,686	3,151	0.41	1.673	7,442	3,051	0.41	1.758
25	20	7,473	5,156	0.69	1.420	7,168	4,946	0.69	1.504	6,954	4,798	0.69	1.538	6,710	4,630	0.69	1.606
25	22	7,778	4,433	0.57	1.470	7,503	4,277	0.57	1.563	7,320	4,172	0.57	1.606	7,015	3,999	0.57	1.673
25	24	8,174	3,678	0.45	1.538	7,869	3,541	0.45	1.622	7,686	3,459	0.45	1.673	7,442	3,349	0.45	1.758
26	18	7,168	6,092	0.85	1.352	6,863	5,833	0.85	1.420	6,588	5,600	0.85	1.487	6,344	5,392	0.85	1.555
26	20	7,473	5,455	0.73	1.420	7,168	5,232	0.73	1.504	6,954	5,076	0.73	1.538	6,710	4,898	0.73	1.606
26	22	7,778	4,744	0.61	1.470	7,503	4,577	0.61	1.563	7,320	4,465	0.61	1.606	7,015	4,279	0.61	1.673
26	24	8,174	4,005	0.49	1.538	7,869	3,856	0.49	1.622	7,686	3,766	0.49	1.673	7,442	3,647	0.49	1.758
26	26	8,418	3,115	0.37	1.622	8,174	3,024	0.37	1.707	8,052	2,979	0.37	1.758	7,808	2,889	0.37	1.808
27	18	7,168	6,379	0.89	1.352	6,863	6,108	0.89	1.420	6,588	5,863	0.89	1.487	6,344	5,646	0.89	1.555
27	20	7,473	5,754	0.77	1.420	7,168	5,519	0.77	1.504	6,954	5,355	0.77	1.538	6,710	5,167	0.77	1.606
27	22	7,778	5,055	0.65	1.470	7,503	4,877	0.65	1.563	7,320	4,758	0.65	1.606	7,015	4,560	0.65	1.673
27	24	8,174	4,332	0.53	1.538	7,869	4,171	0.53	1.622	7,686	4,074	0.53	1.673	7,442	3,944	0.53	1.758
27	26	8,418	3,451	0.41	1.622	8,174	3,351	0.41	1.707	8,052	3,301	0.41	1.758	7,808	3,201	0.41	1.808
28	18	7,168	6,666	0.93	1.352	6,863	6,382	0.93	1.420	6,588	6,127	0.93	1.487	6,344	5,900	0.93	1.555
28	20	7,473	6,053	0.81	1.420	7,168	5,806	0.81	1.504	6,954	5,633	0.81	1.538	6,710	5,435	0.81	1.606
28	22	7,778	5,366	0.69	1.470	7,503	5,177	0.69	1.563	7,320	5,051	0.69	1.606	7,015	4,840	0.69	1.673
28	24	8,174	4,659	0.57	1.538	7,869	4,485	0.57	1.622	7,686	4,381	0.57	1.673	7,442	4,242	0.57	1.758
28	26	8,418	3,788	0.45	1.622	8,174	3,678	0.45	1.707	8,052	3,623	0.45	1.758	7,808	3,514	0.45	1.808
29	18	7,168	6,952	0.97	1.352	6,863	6,657	0.97	1.420	6,588	6,390	0.97	1.487	6,344	6,154	0.97	1.555
29	20	7,473	6,352	0.85	1.420	7,168	6,092	0.85	1.504	6,954	5,911	0.85	1.538	6,710	5,704	0.85	1.606
29	22	7,778	5,678	0.73	1.470	7,503	5,477	0.73	1.563	7,320	5,344	0.73	1.606	7,015	5,121	0.73	1.673
29	24	8,174	4,986	0.61	1.538	7,869	4,800	0.61	1.622	7,686	4,688	0.61	1.673	7,442	4,540	0.61	1.758
29	26	8,418	4,125	0.49	1.622	8,174	4,005	0.49	1.707	8,052	3,945	0.49	1.758	7,808	3,826	0.49	1.808
30	18	7,168	7,239	1.01	1.352	6,863	6,931	1.01	1.420	6,588	6,654	1.01	1.487	6,344	6,407	1.01	1.555
30	20	7,473	6,651	0.89	1.420	7,168	6,379	0.89	1.504	6,954	6,189	0.89	1.538	6,710	5,972	0.89	1.606
30	22	7,778	5,989	0.77	1.470	7,503	5,777	0.77	1.563	7,320	5,636	0.77	1.606	7,015	5,402	0.77	1.673
30	24	8,174	5,313	0.65	1.538	7,869	5,115	0.65	1.622	7,686	4,996	0.65	1.673	7,442	4,837	0.65	1.758
30	26	8,418	4,462	0.53	1.622	8,174	4,332	0.53	1.707	8,052	4,268	0.53	1.758	7,808	4,138	0.53	1.808
31	18	7,168	7,526	1.05	1.352	6,863	7,206	1.05	1.420	6,588	6,917	1.05	1.487	6,344	6,661	1.05	1.555
31	20	7,473	6,949	0.93	1.420	7,168	6,666	0.93	1.504	6,954	6,467	0.93	1.538	6,710	6,240	0.93	1.606
31	22	7,778	6,300	0.81	1.470	7,503	6,077	0.81	1.563	7,320	5,929	0.81	1.606	7,015	5,682	0.81	1.673
31	24	8,174	5,640	0.69	1.538	7,869	5,430	0.69	1.622	7,686	5,303	0.69	1.673	7,442	5,135	0.69	1.758
31	26	8,418	4,798	0.57	1.622	8,174	4,659	0.57	1.707	8,052	4,590	0.57	1.758	7,808	4,451	0.57	1.808
32	18	7,168	7,813	1.09	1.352	6,863	7,480	1.09	1.420	6,588	7,181	1.09	1.487	6,344	6,915	1.09	1.555
32	20	7,473	7,248	0.97	1.420	7,168	6,952	0.97	1.504	6,954	6,745	0.97	1.538	6,710	6,509	0.97	1.606
32	22	7,778	6,611	0.85	1.470	7,503	6,378	0.85	1.563	7,320	6,222	0.85	1.606	7,015	5,963	0.85	1.673
32	24	8,174	5,967	0.73	1.538	7,869	5,744	0.73	1.622	7,686	5,611	0.73	1.673	7,442	5,433	0.73	1.758
32	26	8,418	5,135	0.61	1.622	8,174	4,986	0.61	1.707	8,052	4,912	0.61	1.758	7,808	4,763	0.61	1.808

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M60JA / SUZ-M60VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5,978	3,886	0.65	1.656	5,490	3,569	0.65	1.758	5,063	3,291	0.65	1.825
21	20	6,283	3,330	0.53	1.724	5,856	3,104	0.53	1.808	5,429	2,877	0.53	1.910
22	18	5,978	4,125	0.69	1.656	5,490	3,788	0.69	1.758	5,063	3,493	0.69	1.825
22	20	6,283	3,581	0.57	1.724	5,856	3,338	0.57	1.808	5,429	3,095	0.57	1.910
22	22	6,649	2,992	0.45	1.791	6,222	2,800	0.45	1.893	5,795	2,608	0.45	1.960
23	18	5,978	4,364	0.73	1.656	5,490	4,008	0.73	1.758	5,063	3,696	0.73	1.825
23	20	6,283	3,833	0.61	1.724	5,856	3,572	0.61	1.808	5,429	3,312	0.61	1.910
23	22	6,649	3,258	0.49	1.791	6,222	3,049	0.49	1.893	5,795	2,840	0.49	1.960
24	18	5,978	4,603	0.77	1.656	5,490	4,227	0.77	1.758	5,063	3,899	0.77	1.825
24	20	6,283	4,084	0.65	1.724	5,856	3,806	0.65	1.808	5,429	3,529	0.65	1.910
24	22	6,649	3,524	0.53	1.791	6,222	3,298	0.53	1.893	5,795	3,071	0.53	1.960
24	24	7,015	2,876	0.41	1.859	6,588	2,701	0.41	1.944	6,222	2,551	0.41	2.028
25	20	6,283	4,335	0.69	1.724	5,856	4,041	0.69	1.808	5,429	3,746	0.69	1.910
25	22	6,649	3,790	0.57	1.791	6,222	3,547	0.57	1.893	5,795	3,303	0.57	1.960
25	24	7,015	3,157	0.45	1.859	6,588	2,965	0.45	1.944	6,222	2,800	0.45	2.028
26	18	5,978	5,081	0.85	1.656	5,490	4,667	0.85	1.758	5,063	4,304	0.85	1.825
26	20	6,283	4,587	0.73	1.724	5,856	4,275	0.73	1.808	5,429	3,963	0.73	1.910
26	22	6,649	4,056	0.61	1.791	6,222	3,795	0.61	1.893	5,795	3,535	0.61	1.960
26	24	7,015	3,437	0.49	1.859	6,588	3,228	0.49	1.944	6,222	3,049	0.49	2.028
26	26	7,381	2,731	0.37	1.927	6,954	2,573	0.37	2.011	6,527	2,415	0.37	2.096
27	18	5,978	5,320	0.89	1.656	5,490	4,886	0.89	1.758	5,063	4,506	0.89	1.825
27	20	6,283	4,838	0.77	1.724	5,856	4,509	0.77	1.808	5,429	4,180	0.77	1.910
27	22	6,649	4,322	0.65	1.791	6,222	4,044	0.65	1.893	5,795	3,767	0.65	1.960
27	24	7,015	3,718	0.53	1.859	6,588	3,492	0.53	1.944	6,222	3,298	0.53	2.028
27	26	7,381	3,026	0.41	1.927	6,954	2,851	0.41	2.011	6,527	2,676	0.41	2.096
28	18	5,978	5,560	0.93	1.656	5,490	5,106	0.93	1.758	5,063	4,709	0.93	1.825
28	20	6,283	5,089	0.81	1.724	5,856	4,743	0.81	1.808	5,429	4,397	0.81	1.910
28	22	6,649	4,588	0.69	1.791	6,222	4,293	0.69	1.893	5,795	3,999	0.69	1.960
28	24	7,015	3,999	0.57	1.859	6,588	3,755	0.57	1.944	6,222	3,547	0.57	2.028
28	26	7,381	3,321	0.45	1.927	6,954	3,129	0.45	2.011	6,527	2,937	0.45	2.096
29	18	5,978	5,799	0.97	1.656	5,490	5,325	0.97	1.758	5,063	4,911	0.97	1.825
29	20	6,283	5,341	0.85	1.724	5,856	4,978	0.85	1.808	5,429	4,615	0.85	1.910
29	22	6,649	4,854	0.73	1.791	6,222	4,542	0.73	1.893	5,795	4,230	0.73	1.960
29	24	7,015	4,279	0.61	1.859	6,588	4,019	0.61	1.944	6,222	3,795	0.61	2.028
29	26	7,381	3,617	0.49	1.927	6,954	3,407	0.49	2.011	6,527	3,198	0.49	2.096
30	18	5,978	6,038	1.01	1.656	5,490	5,545	1.01	1.758	5,063	5,114	1.01	1.825
30	20	6,283	5,592	0.89	1.724	5,856	5,212	0.89	1.808	5,429	4,832	0.89	1.910
30	22	6,649	5,120	0.77	1.791	6,222	4,791	0.77	1.893	5,795	4,462	0.77	1.960
30	24	7,015	4,560	0.65	1.859	6,588	4,282	0.65	1.944	6,222	4,044	0.65	2.028
30	26	7,381	3,912	0.53	1.927	6,954	3,686	0.53	2.011	6,527	3,459	0.53	2.096
31	18	5,978	6,277	1.05	1.656	5,490	5,765	1.05	1.758	5,063	5,316	1.05	1.825
31	20	6,283	5,843	0.93	1.724	5,856	5,446	0.93	1.808	5,429	5,049	0.93	1.910
31	22	6,649	5,386	0.81	1.791	6,222	5,040	0.81	1.893	5,795	4,694	0.81	1.960
31	24	7,015	4,840	0.69	1.859	6,588	4,546	0.69	1.944	6,222	4,293	0.69	2.028
31	26	7,381	4,207	0.57	1.927	6,954	3,964	0.57	2.011	6,527	3,720	0.57	2.096
32	18	5,978	6,516	1.09	1.656	5,490	5,984	1.09	1.758	5,063	5,519	1.09	1.825
32	20	6,283	6,095	0.97	1.724	5,856	5,680	0.97	1.808	5,429	5,266	0.97	1.910
32	22	6,649	5,652	0.85	1.791	6,222	5,289	0.85	1.893	5,795	4,926	0.85	1.960
32	24	7,015	5,121	0.73	1.859	6,588	4,809	0.73	1.944	6,222	4,542	0.73	2.028
32	26	7,381	4,502	0.61	1.927	6,954	4,242	0.61	2.011	6,527	3,981	0.61	2.096

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M71JA / SUZ-M71VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8,343	5,423	0.65	1.616	7,988	5,192	0.65	1.697	7,668	4,984	0.65	1.778	7,384	4,800	0.65	1.858
21	20	8,698	4,610	0.53	1.697	8,343	4,422	0.53	1.798	8,094	4,290	0.53	1.838	7,810	4,139	0.53	1.919
22	18	8,343	5,756	0.69	1.616	7,988	5,511	0.69	1.697	7,668	5,291	0.69	1.778	7,384	5,095	0.69	1.858
22	20	8,698	4,958	0.57	1.697	8,343	4,755	0.57	1.798	8,094	4,614	0.57	1.838	7,810	4,452	0.57	1.919
22	22	9,053	4,074	0.45	1.757	8,733	3,930	0.45	1.869	8,520	3,834	0.45	1.919	8,165	3,674	0.45	2.000
23	18	8,343	6,090	0.73	1.616	7,988	5,831	0.73	1.697	7,668	5,598	0.73	1.778	7,384	5,390	0.73	1.858
23	20	8,698	5,305	0.61	1.697	8,343	5,089	0.61	1.798	8,094	4,937	0.61	1.838	7,810	4,764	0.61	1.919
23	22	9,053	4,436	0.49	1.757	8,733	4,279	0.49	1.869	8,520	4,175	0.49	1.919	8,165	4,001	0.49	2.000
24	18	8,343	6,424	0.77	1.616	7,988	6,150	0.77	1.697	7,668	5,904	0.77	1.778	7,384	5,686	0.77	1.858
24	20	8,698	5,653	0.65	1.697	8,343	5,423	0.65	1.798	8,094	5,261	0.65	1.838	7,810	5,077	0.65	1.919
24	22	9,053	4,798	0.53	1.757	8,733	4,628	0.53	1.869	8,520	4,516	0.53	1.919	8,165	4,327	0.53	2.000
24	24	9,514	3,901	0.41	1.838	9,159	3,755	0.41	1.939	8,946	3,668	0.41	2.000	8,662	3,551	0.41	2.101
25	20	8,698	6,001	0.69	1.697	8,343	5,756	0.69	1.798	8,094	5,585	0.69	1.838	7,810	5,389	0.69	1.919
25	22	9,053	5,160	0.57	1.757	8,733	4,978	0.57	1.869	8,520	4,856	0.57	1.919	8,165	4,654	0.57	2.000
25	24	9,514	4,281	0.45	1.838	9,159	4,122	0.45	1.939	8,946	4,026	0.45	2.000	8,662	3,898	0.45	2.101
26	18	8,343	7,091	0.85	1.616	7,988	6,789	0.85	1.697	7,668	6,518	0.85	1.778	7,384	6,276	0.85	1.858
26	20	8,698	6,349	0.73	1.697	8,343	6,090	0.73	1.798	8,094	5,909	0.73	1.838	7,810	5,701	0.73	1.919
26	22	9,053	5,522	0.61	1.757	8,733	5,327	0.61	1.869	8,520	5,197	0.61	1.919	8,165	4,981	0.61	2.000
26	24	9,514	4,662	0.49	1.838	9,159	4,488	0.49	1.939	8,946	4,384	0.49	2.000	8,662	4,244	0.49	2.101
26	26	9,798	3,625	0.37	1.939	9,514	3,520	0.37	2.040	9,372	3,468	0.37	2.101	9,088	3,363	0.37	2.161
27	18	8,343	7,425	0.89	1.616	7,988	7,109	0.89	1.697	7,668	6,825	0.89	1.778	7,384	6,572	0.89	1.858
27	20	8,698	6,697	0.77	1.697	8,343	6,424	0.77	1.798	8,094	6,232	0.77	1.838	7,810	6,014	0.77	1.919
27	22	9,053	5,884	0.65	1.757	8,733	5,676	0.65	1.869	8,520	5,538	0.65	1.919	8,165	5,307	0.65	2.000
27	24	9,514	5,042	0.53	1.838	9,159	4,854	0.53	1.939	8,946	4,741	0.53	2.000	8,662	4,591	0.53	2.101
27	26	9,798	4,017	0.41	1.939	9,514	3,901	0.41	2.040	9,372	3,843	0.41	2.101	9,088	3,726	0.41	2.161
28	18	8,343	7,759	0.93	1.616	7,988	7,428	0.93	1.697	7,668	7,131	0.93	1.778	7,384	6,867	0.93	1.858
28	20	8,698	7,045	0.81	1.697	8,343	6,757	0.81	1.798	8,094	6,556	0.81	1.838	7,810	6,326	0.81	1.919
28	22	9,053	6,246	0.69	1.757	8,733	6,026	0.69	1.869	8,520	5,879	0.69	1.919	8,165	5,634	0.69	2.000
28	24	9,514	5,423	0.57	1.838	9,159	5,221	0.57	1.939	8,946	5,099	0.57	2.000	8,662	4,937	0.57	2.101
28	26	9,798	4,409	0.45	1.939	9,514	4,281	0.45	2.040	9,372	4,217	0.45	2.101	9,088	4,090	0.45	2.161
29	18	8,343	8,092	0.97	1.616	7,988	7,748	0.97	1.697	7,668	7,438	0.97	1.778	7,384	7,162	0.97	1.858
29	20	8,698	7,393	0.85	1.697	8,343	7,091	0.85	1.798	8,094	6,880	0.85	1.838	7,810	6,639	0.85	1.919
29	22	9,053	6,608	0.73	1.757	8,733	6,375	0.73	1.869	8,520	6,220	0.73	1.919	8,165	5,960	0.73	2.000
29	24	9,514	5,804	0.61	1.838	9,159	5,587	0.61	1.939	8,946	5,457	0.61	2.000	8,662	5,284	0.61	2.101
29	26	9,798	4,801	0.49	1.939	9,514	4,662	0.49	2.040	9,372	4,592	0.49	2.101	9,088	4,453	0.49	2.161
30	18	8,343	8,426	1.01	1.616	7,988	8,067	1.01	1.697	7,668	7,745	1.01	1.778	7,384	7,458	1.01	1.858
30	20	8,698	7,741	0.89	1.697	8,343	7,425	0.89	1.798	8,094	7,204	0.89	1.838	7,810	6,951	0.89	1.919
30	22	9,053	6,970	0.77	1.757	8,733	6,724	0.77	1.869	8,520	6,560	0.77	1.919	8,165	6,287	0.77	2.000
30	24	9,514	6,184	0.65	1.838	9,159	5,953	0.65	1.939	8,946	5,815	0.65	2.000	8,662	5,630	0.65	2.101
30	26	9,798	5,193	0.53	1.939	9,514	5,042	0.53	2.040	9,372	4,967	0.53	2.101	9,088	4,817	0.53	2.161
31	18	8,343	8,760	1.05	1.616	7,988	8,387	1.05	1.697	7,668	8,051	1.05	1.778	7,384	7,753	1.05	1.858
31	20	8,698	8,089	0.93	1.697	8,343	7,759	0.93	1.798	8,094	7,527	0.93	1.838	7,810	7,263	0.93	1.919
31	22	9,053	7,333	0.81	1.757	8,733	7,074	0.81	1.869	8,520	6,901	0.81	1.919	8,165	6,614	0.81	2.000
31	24	9,514	6,565	0.69	1.838	9,159	6,320	0.69	1.939	8,946	6,173	0.69	2.000	8,662	5,977	0.69	2.101
31	26	9,798	5,585	0.57	1.939	9,514	5,423	0.57	2.040	9,372	5,342	0.57	2.101	9,088	5,180	0.57	2.161
32	18	8,343	9,093	1.09	1.616	7,988	8,706	1.09	1.697	7,668	8,358	1.09	1.778	7,384	8,049	1.09	1.858
32	20	8,698	8,437	0.97	1.697	8,343	8,092	0.97	1.798	8,094	7,851	0.97	1.838	7,810	7,576	0.97	1.919
32	22	9,053	7,695	0.85	1.757	8,733	7,423	0.85	1.869	8,520	7,242	0.85	1.919	8,165	6,940	0.85	2.000
32	24	9,514	6,945	0.73	1.838	9,159	6,686	0.73	1.939	8,946	6,531	0.73	2.000	8,662	6,323	0.73	2.101
32	26	9,798	5,977	0.61	1.939	9,514	5,804	0.61	2.040	9,372	5,717	0.61	2.101	9,088	5,544	0.61	2.161

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M71JA / SUZ-M71VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,958	4,523	0.65	1.980	6,390	4,154	0.65	2.101	5,893	3,830	0.65	2.182
21	20	7,313	3,876	0.53	2.060	6,816	3,612	0.53	2.161	6,319	3,349	0.53	2.283
22	18	6,958	4,801	0.69	1.980	6,390	4,409	0.69	2.101	5,893	4,066	0.69	2.182
22	20	7,313	4,168	0.57	2.060	6,816	3,885	0.57	2.161	6,319	3,602	0.57	2.283
22	22	7,739	3,483	0.45	2.141	7,242	3,259	0.45	2.262	6,745	3,035	0.45	2.343
23	18	6,958	5,079	0.73	1.980	6,390	4,665	0.73	2.101	5,893	4,302	0.73	2.182
23	20	7,313	4,461	0.61	2.060	6,816	4,158	0.61	2.161	6,319	3,855	0.61	2.283
23	22	7,739	3,792	0.49	2.141	7,242	3,549	0.49	2.262	6,745	3,305	0.49	2.343
24	18	6,958	5,358	0.77	1.980	6,390	4,920	0.77	2.101	5,893	4,538	0.77	2.182
24	20	7,313	4,753	0.65	2.060	6,816	4,430	0.65	2.161	6,319	4,107	0.65	2.283
24	22	7,739	4,102	0.53	2.141	7,242	3,838	0.53	2.262	6,745	3,575	0.53	2.343
24	24	8,165	3,348	0.41	2.222	7,668	3,144	0.41	2.323	7,242	2,969	0.41	2.424
25	20	7,313	5,046	0.69	2.060	6,816	4,703	0.69	2.161	6,319	4,360	0.69	2.283
25	22	7,739	4,411	0.57	2.141	7,242	4,128	0.57	2.262	6,745	3,845	0.57	2.343
25	24	8,165	3,674	0.45	2.222	7,668	3,451	0.45	2.323	7,242	3,259	0.45	2.424
26	18	6,958	5,914	0.85	1.980	6,390	5,432	0.85	2.101	5,893	5,009	0.85	2.182
26	20	7,313	5,338	0.73	2.060	6,816	4,976	0.73	2.161	6,319	4,613	0.73	2.283
26	22	7,739	4,721	0.61	2.141	7,242	4,418	0.61	2.262	6,745	4,114	0.61	2.343
26	24	8,165	4,001	0.49	2.222	7,668	3,757	0.49	2.323	7,242	3,549	0.49	2.424
26	26	8,591	3,179	0.37	2.303	8,094	2,995	0.37	2.404	7,597	2,811	0.37	2.505
27	18	6,958	6,193	0.89	1.980	6,390	5,687	0.89	2.101	5,893	5,245	0.89	2.182
27	20	7,313	5,631	0.77	2.060	6,816	5,248	0.77	2.161	6,319	4,866	0.77	2.283
27	22	7,739	5,030	0.65	2.141	7,242	4,707	0.65	2.262	6,745	4,384	0.65	2.343
27	24	8,165	4,327	0.53	2.222	7,668	4,064	0.53	2.323	7,242	3,838	0.53	2.424
27	26	8,591	3,522	0.41	2.303	8,094	3,319	0.41	2.404	7,597	3,115	0.41	2.505
28	18	6,958	6,471	0.93	1.980	6,390	5,943	0.93	2.101	5,893	5,480	0.93	2.182
28	20	7,313	5,924	0.81	2.060	6,816	5,521	0.81	2.161	6,319	5,118	0.81	2.283
28	22	7,739	5,340	0.69	2.141	7,242	4,997	0.69	2.262	6,745	4,654	0.69	2.343
28	24	8,165	4,654	0.57	2.222	7,668	4,371	0.57	2.323	7,242	4,128	0.57	2.424
28	26	8,591	3,866	0.45	2.303	8,094	3,642	0.45	2.404	7,597	3,419	0.45	2.505
29	18	6,958	6,749	0.97	1.980	6,390	6,198	0.97	2.101	5,893	5,716	0.97	2.182
29	20	7,313	6,216	0.85	2.060	6,816	5,794	0.85	2.161	6,319	5,371	0.85	2.283
29	22	7,739	5,649	0.73	2.141	7,242	5,287	0.73	2.262	6,745	4,924	0.73	2.343
29	24	8,165	4,981	0.61	2.222	7,668	4,677	0.61	2.323	7,242	4,418	0.61	2.424
29	26	8,591	4,210	0.49	2.303	8,094	3,966	0.49	2.404	7,597	3,723	0.49	2.505
30	18	6,958	7,028	1.01	1.980	6,390	6,454	1.01	2.101	5,893	5,952	1.01	2.182
30	20	7,313	6,509	0.89	2.060	6,816	6,066	0.89	2.161	6,319	5,624	0.89	2.283
30	22	7,739	5,959	0.77	2.141	7,242	5,576	0.77	2.262	6,745	5,194	0.77	2.343
30	24	8,165	5,307	0.65	2.222	7,668	4,984	0.65	2.323	7,242	4,707	0.65	2.424
30	26	8,591	4,553	0.53	2.303	8,094	4,290	0.53	2.404	7,597	4,026	0.53	2.505
31	18	6,958	7,306	1.05	1.980	6,390	6,710	1.05	2.101	5,893	6,188	1.05	2.182
31	20	7,313	6,801	0.93	2.060	6,816	6,339	0.93	2.161	6,319	5,877	0.93	2.283
31	22	7,739	6,269	0.81	2.141	7,242	5,866	0.81	2.262	6,745	5,463	0.81	2.343
31	24	8,165	5,634	0.69	2.222	7,668	5,291	0.69	2.323	7,242	4,997	0.69	2.424
31	26	8,591	4,897	0.57	2.303	8,094	4,614	0.57	2.404	7,597	4,330	0.57	2.505
32	18	6,958	7,584	1.09	1.980	6,390	6,965	1.09	2.101	5,893	6,423	1.09	2.182
32	20	7,313	7,094	0.97	2.060	6,816	6,612	0.97	2.161	6,319	6,129	0.97	2.283
32	22	7,739	6,578	0.85	2.141	7,242	6,156	0.85	2.262	6,745	5,733	0.85	2.343
32	24	8,165	5,960	0.73	2.222	7,668	5,598	0.73	2.323	7,242	5,287	0.73	2.424
32	26	8,591	5,241	0.61	2.303	8,094	4,937	0.61	2.404	7,597	4,634	0.61	2.505

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M35JAL / SUZ-M35VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4,230	2,834	0.67	0.720	4,050	2,714	0.67	0.756	3,888	2,605	0.67	0.792	3,744	2,508	0.67	0.828
21	20	4,410	2,426	0.55	0.756	4,230	2,327	0.55	0.801	4,104	2,257	0.55	0.819	3,960	2,178	0.55	0.855
22	18	4,230	3,003	0.71	0.720	4,050	2,876	0.71	0.756	3,888	2,760	0.71	0.792	3,744	2,658	0.71	0.828
22	20	4,410	2,602	0.59	0.756	4,230	2,496	0.59	0.801	4,104	2,421	0.59	0.819	3,960	2,336	0.59	0.855
22	22	4,590	2,157	0.47	0.783	4,428	2,081	0.47	0.833	4,320	2,030	0.47	0.855	4,140	1,946	0.47	0.891
23	18	4,230	3,173	0.75	0.720	4,050	3,038	0.75	0.756	3,888	2,916	0.75	0.792	3,744	2,808	0.75	0.828
23	20	4,410	2,778	0.63	0.756	4,230	2,665	0.63	0.801	4,104	2,586	0.63	0.819	3,960	2,495	0.63	0.855
23	22	4,590	2,341	0.51	0.783	4,428	2,258	0.51	0.833	4,320	2,203	0.51	0.855	4,140	2,111	0.51	0.891
24	18	4,230	3,342	0.79	0.720	4,050	3,200	0.79	0.756	3,888	3,072	0.79	0.792	3,744	2,958	0.79	0.828
24	20	4,410	2,955	0.67	0.756	4,230	2,834	0.67	0.801	4,104	2,750	0.67	0.819	3,960	2,653	0.67	0.855
24	22	4,590	2,525	0.55	0.783	4,428	2,435	0.55	0.833	4,320	2,376	0.55	0.855	4,140	2,277	0.55	0.891
24	24	4,824	2,074	0.43	0.819	4,644	1,997	0.43	0.864	4,536	1,950	0.43	0.891	4,392	1,889	0.43	0.936
25	20	4,410	3,131	0.71	0.756	4,230	3,003	0.71	0.801	4,104	2,914	0.71	0.819	3,960	2,812	0.71	0.855
25	22	4,590	2,708	0.59	0.783	4,428	2,613	0.59	0.833	4,320	2,549	0.59	0.855	4,140	2,443	0.59	0.891
25	24	4,824	2,267	0.47	0.819	4,644	2,183	0.47	0.864	4,536	2,132	0.47	0.891	4,392	2,064	0.47	0.936
26	18	4,230	3,680	0.87	0.720	4,050	3,524	0.87	0.756	3,888	3,383	0.87	0.792	3,744	3,257	0.87	0.828
26	20	4,410	3,308	0.75	0.756	4,230	3,173	0.75	0.801	4,104	3,078	0.75	0.819	3,960	2,970	0.75	0.855
26	22	4,590	2,892	0.63	0.783	4,428	2,790	0.63	0.833	4,320	2,722	0.63	0.855	4,140	2,608	0.63	0.891
26	24	4,824	2,460	0.51	0.819	4,644	2,368	0.51	0.864	4,536	2,313	0.51	0.891	4,392	2,240	0.51	0.936
26	26	4,968	1,938	0.39	0.864	4,824	1,881	0.39	0.909	4,752	1,853	0.39	0.936	4,608	1,797	0.39	0.963
27	18	4,230	3,849	0.91	0.720	4,050	3,686	0.91	0.756	3,888	3,538	0.91	0.792	3,744	3,407	0.91	0.828
27	20	4,410	3,484	0.79	0.756	4,230	3,342	0.79	0.801	4,104	3,242	0.79	0.819	3,960	3,128	0.79	0.855
27	22	4,590	3,075	0.67	0.783	4,428	2,967	0.67	0.833	4,320	2,894	0.67	0.855	4,140	2,774	0.67	0.891
27	24	4,824	2,653	0.55	0.819	4,644	2,554	0.55	0.864	4,536	2,495	0.55	0.891	4,392	2,416	0.55	0.936
27	26	4,968	2,136	0.43	0.864	4,824	2,074	0.43	0.909	4,752	2,043	0.43	0.936	4,608	1,981	0.43	0.963
28	18	4,230	4,019	0.95	0.720	4,050	3,848	0.95	0.756	3,888	3,694	0.95	0.792	3,744	3,557	0.95	0.828
28	20	4,410	3,660	0.83	0.756	4,230	3,511	0.83	0.801	4,104	3,406	0.83	0.819	3,960	3,287	0.83	0.855
28	22	4,590	3,259	0.71	0.783	4,428	3,144	0.71	0.833	4,320	3,067	0.71	0.855	4,140	2,939	0.71	0.891
28	24	4,824	2,846	0.59	0.819	4,644	2,740	0.59	0.864	4,536	2,676	0.59	0.891	4,392	2,591	0.59	0.936
28	26	4,968	2,335	0.47	0.864	4,824	2,267	0.47	0.909	4,752	2,233	0.47	0.936	4,608	2,166	0.47	0.963
29	18	4,230	4,188	0.99	0.720	4,050	4,010	0.99	0.756	3,888	3,849	0.99	0.792	3,744	3,707	0.99	0.828
29	20	4,410	3,837	0.87	0.756	4,230	3,680	0.87	0.801	4,104	3,570	0.87	0.819	3,960	3,445	0.87	0.855
29	22	4,590	3,443	0.75	0.783	4,428	3,321	0.75	0.833	4,320	3,240	0.75	0.855	4,140	3,105	0.75	0.891
29	24	4,824	3,039	0.63	0.819	4,644	2,926	0.63	0.864	4,536	2,858	0.63	0.891	4,392	2,767	0.63	0.936
29	26	4,968	2,534	0.51	0.864	4,824	2,460	0.51	0.909	4,752	2,424	0.51	0.936	4,608	2,350	0.51	0.963
30	18	4,230	4,357	1.03	0.720	4,050	4,172	1.03	0.756	3,888	4,005	1.03	0.792	3,744	3,856	1.03	0.828
30	20	4,410	4,013	0.91	0.756	4,230	3,849	0.91	0.801	4,104	3,735	0.91	0.819	3,960	3,604	0.91	0.855
30	22	4,590	3,626	0.79	0.783	4,428	3,498	0.79	0.833	4,320	3,413	0.79	0.855	4,140	3,271	0.79	0.891
30	24	4,824	3,232	0.67	0.819	4,644	3,111	0.67	0.864	4,536	3,039	0.67	0.891	4,392	2,943	0.67	0.936
30	26	4,968	2,732	0.55	0.864	4,824	2,653	0.55	0.909	4,752	2,614	0.55	0.936	4,608	2,534	0.55	0.963
31	18	4,230	4,526	1.07	0.720	4,050	4,334	1.07	0.756	3,888	4,160	1.07	0.792	3,744	4,006	1.07	0.828
31	20	4,410	4,190	0.95	0.756	4,230	4,019	0.95	0.801	4,104	3,899	0.95	0.819	3,960	3,762	0.95	0.855
31	22	4,590	3,810	0.83	0.783	4,428	3,675	0.83	0.833	4,320	3,586	0.83	0.855	4,140	3,436	0.83	0.891
31	24	4,824	3,425	0.71	0.819	4,644	3,297	0.71	0.864	4,536	3,221	0.71	0.891	4,392	3,118	0.71	0.936
31	26	4,968	2,931	0.59	0.864	4,824	2,846	0.59	0.909	4,752	2,804	0.59	0.936	4,608	2,719	0.59	0.963
32	18	4,230	4,695	1.11	0.720	4,050	4,496	1.11	0.756	3,888	4,316	1.11	0.792	3,744	4,156	1.11	0.828
32	20	4,410	4,366	0.99	0.756	4,230	4,188	0.99	0.801	4,104	4,063	0.99	0.819	3,960	3,920	0.99	0.855
32	22	4,590	3,993	0.87	0.783	4,428	3,852	0.87	0.833	4,320	3,758	0.87	0.855	4,140	3,602	0.87	0.891
32	24	4,824	3,618	0.75	0.819	4,644	3,483	0.75	0.864	4,536	3,402	0.75	0.891	4,392	3,294	0.75	0.936
32	26	4,968	3,130	0.63	0.864	4,824	3,039	0.63	0.909	4,752	2,994	0.63	0.936	4,608	2,903	0.63	0.963

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M35JAL / SUZ-M35VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3,528	2,364	0.67	0.882	3,240	2,171	0.67	0.936	2,988	2,002	0.67	0.972
21	20	3,708	2,039	0.55	0.918	3,456	1,901	0.55	0.963	3,204	1,762	0.55	1.017
22	18	3,528	2,505	0.71	0.882	3,240	2,300	0.71	0.936	2,988	2,121	0.71	0.972
22	20	3,708	2,188	0.59	0.918	3,456	2,039	0.59	0.963	3,204	1,890	0.59	1.017
22	22	3,924	1,844	0.47	0.954	3,672	1,726	0.47	1.008	3,420	1,607	0.47	1.044
23	18	3,528	2,646	0.75	0.882	3,240	2,430	0.75	0.936	2,988	2,241	0.75	0.972
23	20	3,708	2,336	0.63	0.918	3,456	2,177	0.63	0.963	3,204	2,019	0.63	1.017
23	22	3,924	2,001	0.51	0.954	3,672	1,873	0.51	1.008	3,420	1,744	0.51	1.044
24	18	3,528	2,787	0.79	0.882	3,240	2,560	0.79	0.936	2,988	2,361	0.79	0.972
24	20	3,708	2,484	0.67	0.918	3,456	2,316	0.67	0.963	3,204	2,147	0.67	1.017
24	22	3,924	2,158	0.55	0.954	3,672	2,020	0.55	1.008	3,420	1,881	0.55	1.044
24	24	4,140	1,780	0.43	0.990	3,888	1,672	0.43	1.035	3,672	1,579	0.43	1.080
25	20	3,708	2,633	0.71	0.918	3,456	2,454	0.71	0.963	3,204	2,275	0.71	1.017
25	22	3,924	2,315	0.59	0.954	3,672	2,166	0.59	1.008	3,420	2,018	0.59	1.044
25	24	4,140	1,946	0.47	0.990	3,888	1,827	0.47	1.035	3,672	1,726	0.47	1.080
26	18	3,528	3,069	0.87	0.882	3,240	2,819	0.87	0.936	2,988	2,600	0.87	0.972
26	20	3,708	2,781	0.75	0.918	3,456	2,592	0.75	0.963	3,204	2,403	0.75	1.017
26	22	3,924	2,472	0.63	0.954	3,672	2,313	0.63	1.008	3,420	2,155	0.63	1.044
26	24	4,140	2,111	0.51	0.990	3,888	1,983	0.51	1.035	3,672	1,873	0.51	1.080
26	26	4,356	1,699	0.39	1.026	4,104	1,601	0.39	1.071	3,852	1,502	0.39	1.116
27	18	3,528	3,210	0.91	0.882	3,240	2,948	0.91	0.936	2,988	2,719	0.91	0.972
27	20	3,708	2,929	0.79	0.918	3,456	2,730	0.79	0.963	3,204	2,531	0.79	1.017
27	22	3,924	2,629	0.67	0.954	3,672	2,460	0.67	1.008	3,420	2,291	0.67	1.044
27	24	4,140	2,277	0.55	0.990	3,888	2,138	0.55	1.035	3,672	2,020	0.55	1.080
27	26	4,356	1,873	0.43	1.026	4,104	1,765	0.43	1.071	3,852	1,656	0.43	1.116
28	18	3,528	3,352	0.95	0.882	3,240	3,078	0.95	0.936	2,988	2,839	0.95	0.972
28	20	3,708	3,078	0.83	0.918	3,456	2,868	0.83	0.963	3,204	2,659	0.83	1.017
28	22	3,924	2,786	0.71	0.954	3,672	2,607	0.71	1.008	3,420	2,428	0.71	1.044
28	24	4,140	2,443	0.59	0.990	3,888	2,294	0.59	1.035	3,672	2,166	0.59	1.080
28	26	4,356	2,047	0.47	1.026	4,104	1,929	0.47	1.071	3,852	1,810	0.47	1.116
29	18	3,528	3,493	0.99	0.882	3,240	3,208	0.99	0.936	2,988	2,958	0.99	0.972
29	20	3,708	3,226	0.87	0.918	3,456	3,007	0.87	0.963	3,204	2,787	0.87	1.017
29	22	3,924	2,943	0.75	0.954	3,672	2,754	0.75	1.008	3,420	2,565	0.75	1.044
29	24	4,140	2,608	0.63	0.990	3,888	2,449	0.63	1.035	3,672	2,313	0.63	1.080
29	26	4,356	2,222	0.51	1.026	4,104	2,093	0.51	1.071	3,852	1,965	0.51	1.116
30	18	3,528	3,634	1.03	0.882	3,240	3,337	1.03	0.936	2,988	3,078	1.03	0.972
30	20	3,708	3,374	0.91	0.918	3,456	3,145	0.91	0.963	3,204	2,916	0.91	1.017
30	22	3,924	3,100	0.79	0.954	3,672	2,901	0.79	1.008	3,420	2,702	0.79	1.044
30	24	4,140	2,774	0.67	0.990	3,888	2,605	0.67	1.035	3,672	2,460	0.67	1.080
30	26	4,356	2,396	0.55	1.026	4,104	2,257	0.55	1.071	3,852	2,119	0.55	1.116
31	18	3,528	3,775	1.07	0.882	3,240	3,467	1.07	0.936	2,988	3,197	1.07	0.972
31	20	3,708	3,523	0.95	0.918	3,456	3,283	0.95	0.963	3,204	3,044	0.95	1.017
31	22	3,924	3,257	0.83	0.954	3,672	3,048	0.83	1.008	3,420	2,839	0.83	1.044
31	24	4,140	2,939	0.71	0.990	3,888	2,760	0.71	1.035	3,672	2,607	0.71	1.080
31	26	4,356	2,570	0.59	1.026	4,104	2,421	0.59	1.071	3,852	2,273	0.59	1.116
32	18	3,528	3,916	1.11	0.882	3,240	3,596	1.11	0.936	2,988	3,317	1.11	0.972
32	20	3,708	3,671	0.99	0.918	3,456	3,421	0.99	0.963	3,204	3,172	0.99	1.017
32	22	3,924	3,414	0.87	0.954	3,672	3,195	0.87	1.008	3,420	2,975	0.87	1.044
32	24	4,140	3,105	0.75	0.990	3,888	2,916	0.75	1.035	3,672	2,754	0.75	1.080
32	26	4,356	2,744	0.63	1.026	4,104	2,586	0.63	1.071	3,852	2,427	0.63	1.116

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M50JAL / SUZ-M50VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5,875	3,878	0.66	1.064	5,625	3,713	0.66	1.117	5,400	3,564	0.66	1.170	5,200	3,432	0.66	1.224
21	20	6,125	3,308	0.54	1.117	5,875	3,173	0.54	1.184	5,700	3,078	0.54	1.210	5,500	2,970	0.54	1.264
22	18	5,875	4,113	0.70	1.064	5,625	3,938	0.70	1.117	5,400	3,780	0.70	1.170	5,200	3,640	0.70	1.224
22	20	6,125	3,553	0.58	1.117	5,875	3,408	0.58	1.184	5,700	3,306	0.58	1.210	5,500	3,190	0.58	1.264
22	22	6,375	2,933	0.46	1.157	6,150	2,829	0.46	1.230	6,000	2,760	0.46	1.264	5,750	2,645	0.46	1.317
23	18	5,875	4,348	0.74	1.064	5,625	4,163	0.74	1.117	5,400	3,996	0.74	1.170	5,200	3,848	0.74	1.224
23	20	6,125	3,798	0.62	1.117	5,875	3,643	0.62	1.184	5,700	3,534	0.62	1.210	5,500	3,410	0.62	1.264
23	22	6,375	3,188	0.50	1.157	6,150	3,075	0.50	1.230	6,000	3,000	0.50	1.264	5,750	2,875	0.50	1.317
24	18	5,875	4,583	0.78	1.064	5,625	4,388	0.78	1.117	5,400	4,212	0.78	1.170	5,200	4,056	0.78	1.224
24	20	6,125	4,043	0.66	1.117	5,875	3,878	0.66	1.184	5,700	3,762	0.66	1.210	5,500	3,630	0.66	1.264
24	22	6,375	3,443	0.54	1.157	6,150	3,321	0.54	1.230	6,000	3,240	0.54	1.264	5,750	3,105	0.54	1.317
24	24	6,700	2,814	0.42	1.210	6,450	2,709	0.42	1.277	6,300	2,646	0.42	1.317	6,100	2,562	0.42	1.383
25	20	6,125	4,288	0.70	1.117	5,875	4,113	0.70	1.184	5,700	3,990	0.70	1.210	5,500	3,850	0.70	1.264
25	22	6,375	3,698	0.58	1.157	6,150	3,567	0.58	1.230	6,000	3,480	0.58	1.264	5,750	3,335	0.58	1.317
25	24	6,700	3,082	0.46	1.210	6,450	2,967	0.46	1.277	6,300	2,898	0.46	1.317	6,100	2,806	0.46	1.383
26	18	5,875	5,053	0.86	1.064	5,625	4,838	0.86	1.117	5,400	4,644	0.86	1.170	5,200	4,472	0.86	1.224
26	20	6,125	4,533	0.74	1.117	5,875	4,348	0.74	1.184	5,700	4,218	0.74	1.210	5,500	4,070	0.74	1.264
26	22	6,375	3,953	0.62	1.157	6,150	3,813	0.62	1.230	6,000	3,720	0.62	1.264	5,750	3,565	0.62	1.317
26	24	6,700	3,350	0.50	1.210	6,450	3,225	0.50	1.277	6,300	3,150	0.50	1.317	6,100	3,050	0.50	1.383
26	26	6,900	2,622	0.38	1.277	6,700	2,546	0.38	1.343	6,600	2,508	0.38	1.383	6,400	2,432	0.38	1.423
27	18	5,875	5,288	0.90	1.064	5,625	5,063	0.90	1.117	5,400	4,860	0.90	1.170	5,200	4,680	0.90	1.224
27	20	6,125	4,778	0.78	1.117	5,875	4,583	0.78	1.184	5,700	4,446	0.78	1.210	5,500	4,290	0.78	1.264
27	22	6,375	4,208	0.66	1.157	6,150	4,059	0.66	1.230	6,000	3,960	0.66	1.264	5,750	3,795	0.66	1.317
27	24	6,700	3,618	0.54	1.210	6,450	3,483	0.54	1.277	6,300	3,402	0.54	1.317	6,100	3,294	0.54	1.383
27	26	6,900	2,898	0.42	1.277	6,700	2,814	0.42	1.343	6,600	2,772	0.42	1.383	6,400	2,688	0.42	1.423
28	18	5,875	5,523	0.94	1.064	5,625	5,288	0.94	1.117	5,400	5,076	0.94	1.170	5,200	4,888	0.94	1.224
28	20	6,125	5,023	0.82	1.117	5,875	4,818	0.82	1.184	5,700	4,674	0.82	1.210	5,500	4,510	0.82	1.264
28	22	6,375	4,463	0.70	1.157	6,150	4,305	0.70	1.230	6,000	4,200	0.70	1.264	5,750	4,025	0.70	1.317
28	24	6,700	3,886	0.58	1.210	6,450	3,741	0.58	1.277	6,300	3,654	0.58	1.317	6,100	3,538	0.58	1.383
28	26	6,900	3,174	0.46	1.277	6,700	3,082	0.46	1.343	6,600	3,036	0.46	1.383	6,400	2,944	0.46	1.423
29	18	5,875	5,758	0.98	1.064	5,625	5,513	0.98	1.117	5,400	5,292	0.98	1.170	5,200	5,096	0.98	1.224
29	20	6,125	5,268	0.86	1.117	5,875	5,053	0.86	1.184	5,700	4,902	0.86	1.210	5,500	4,730	0.86	1.264
29	22	6,375	4,718	0.74	1.157	6,150	4,551	0.74	1.230	6,000	4,440	0.74	1.264	5,750	4,255	0.74	1.317
29	24	6,700	4,154	0.62	1.210	6,450	3,999	0.62	1.277	6,300	3,906	0.62	1.317	6,100	3,782	0.62	1.383
29	26	6,900	3,450	0.50	1.277	6,700	3,350	0.50	1.343	6,600	3,300	0.50	1.383	6,400	3,200	0.50	1.423
30	18	5,875	5,993	1.02	1.064	5,625	5,738	1.02	1.117	5,400	5,508	1.02	1.170	5,200	5,304	1.02	1.224
30	20	6,125	5,513	0.90	1.117	5,875	5,288	0.90	1.184	5,700	5,130	0.90	1.210	5,500	4,950	0.90	1.264
30	22	6,375	4,973	0.78	1.157	6,150	4,797	0.78	1.230	6,000	4,680	0.78	1.264	5,750	4,485	0.78	1.317
30	24	6,700	4,422	0.66	1.210	6,450	4,257	0.66	1.277	6,300	4,158	0.66	1.317	6,100	4,026	0.66	1.383
30	26	6,900	3,726	0.54	1.277	6,700	3,618	0.54	1.343	6,600	3,564	0.54	1.383	6,400	3,456	0.54	1.423
31	18	5,875	6,228	1.06	1.064	5,625	5,963	1.06	1.117	5,400	5,724	1.06	1.170	5,200	5,512	1.06	1.224
31	20	6,125	5,758	0.94	1.117	5,875	5,523	0.94	1.184	5,700	5,358	0.94	1.210	5,500	5,170	0.94	1.264
31	22	6,375	5,228	0.82	1.157	6,150	5,043	0.82	1.230	6,000	4,920	0.82	1.264	5,750	4,715	0.82	1.317
31	24	6,700	4,690	0.70	1.210	6,450	4,515	0.70	1.277	6,300	4,410	0.70	1.317	6,100	4,270	0.70	1.383
31	26	6,900	4,002	0.58	1.277	6,700	3,886	0.58	1.343	6,600	3,828	0.58	1.383	6,400	3,712	0.58	1.423
32	18	5,875	6,463	1.10	1.064	5,625	6,188	1.10	1.117	5,400	5,940	1.10	1.170	5,200	5,720	1.10	1.224
32	20	6,125	6,003	0.98	1.117	5,875	5,758	0.98	1.184	5,700	5,586	0.98	1.210	5,500	5,390	0.98	1.264
32	22	6,375	5,483	0.86	1.157	6,150	5,289	0.86	1.230	6,000	5,160	0.86	1.264	5,750	4,945	0.86	1.317
32	24	6,700	4,958	0.74	1.210	6,450	4,773	0.74	1.277	6,300	4,662	0.74	1.317	6,100	4,514	0.74	1.383
32	26	6,900	4,278	0.62	1.277	6,700	4,154	0.62	1.343	6,600	4,092	0.62	1.383	6,400	3,968	0.62	1.423

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M50JAL / SUZ-M50VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4,900	3,234	0.66	1.303	4,500	2,970	0.66	1.383	4,150	2,739	0.66	1.436
21	20	5,150	2,781	0.54	1.357	4,800	2,592	0.54	1.423	4,450	2,403	0.54	1.503
22	18	4,900	3,430	0.70	1.303	4,500	3,150	0.70	1.383	4,150	2,905	0.70	1.436
22	20	5,150	2,987	0.58	1.357	4,800	2,784	0.58	1.423	4,450	2,581	0.58	1.503
22	22	5,450	2,507	0.46	1.410	5,100	2,346	0.46	1.490	4,750	2,185	0.46	1.543
23	18	4,900	3,626	0.74	1.303	4,500	3,330	0.74	1.383	4,150	3,071	0.74	1.436
23	20	5,150	3,193	0.62	1.357	4,800	2,976	0.62	1.423	4,450	2,759	0.62	1.503
23	22	5,450	2,725	0.50	1.410	5,100	2,550	0.50	1.490	4,750	2,375	0.50	1.543
24	18	4,900	3,822	0.78	1.303	4,500	3,510	0.78	1.383	4,150	3,237	0.78	1.436
24	20	5,150	3,399	0.66	1.357	4,800	3,168	0.66	1.423	4,450	2,937	0.66	1.503
24	22	5,450	2,943	0.54	1.410	5,100	2,754	0.54	1.490	4,750	2,565	0.54	1.543
24	24	5,750	2,415	0.42	1.463	5,400	2,268	0.42	1.530	5,100	2,142	0.42	1.596
25	20	5,150	3,605	0.70	1.357	4,800	3,360	0.70	1.423	4,450	3,115	0.70	1.503
25	22	5,450	3,161	0.58	1.410	5,100	2,958	0.58	1.490	4,750	2,755	0.58	1.543
25	24	5,750	2,645	0.46	1.463	5,400	2,484	0.46	1.530	5,100	2,346	0.46	1.596
26	18	4,900	4,214	0.86	1.303	4,500	3,870	0.86	1.383	4,150	3,569	0.86	1.436
26	20	5,150	3,811	0.74	1.357	4,800	3,552	0.74	1.423	4,450	3,293	0.74	1.503
26	22	5,450	3,379	0.62	1.410	5,100	3,162	0.62	1.490	4,750	2,945	0.62	1.543
26	24	5,750	2,875	0.50	1.463	5,400	2,700	0.50	1.530	5,100	2,550	0.50	1.596
26	26	6,050	2,299	0.38	1.516	5,700	2,166	0.38	1.583	5,350	2,033	0.38	1.649
27	18	4,900	4,410	0.90	1.303	4,500	4,050	0.90	1.383	4,150	3,735	0.90	1.436
27	20	5,150	4,017	0.78	1.357	4,800	3,744	0.78	1.423	4,450	3,471	0.78	1.503
27	22	5,450	3,597	0.66	1.410	5,100	3,366	0.66	1.490	4,750	3,135	0.66	1.543
27	24	5,750	3,105	0.54	1.463	5,400	2,916	0.54	1.530	5,100	2,754	0.54	1.596
27	26	6,050	2,541	0.42	1.516	5,700	2,394	0.42	1.583	5,350	2,247	0.42	1.649
28	18	4,900	4,606	0.94	1.303	4,500	4,230	0.94	1.383	4,150	3,901	0.94	1.436
28	20	5,150	4,223	0.82	1.357	4,800	3,936	0.82	1.423	4,450	3,649	0.82	1.503
28	22	5,450	3,815	0.70	1.410	5,100	3,570	0.70	1.490	4,750	3,325	0.70	1.543
28	24	5,750	3,335	0.58	1.463	5,400	3,132	0.58	1.530	5,100	2,958	0.58	1.596
28	26	6,050	2,783	0.46	1.516	5,700	2,622	0.46	1.583	5,350	2,461	0.46	1.649
29	18	4,900	4,802	0.98	1.303	4,500	4,410	0.98	1.383	4,150	4,067	0.98	1.436
29	20	5,150	4,429	0.86	1.357	4,800	4,128	0.86	1.423	4,450	3,827	0.86	1.503
29	22	5,450	4,033	0.74	1.410	5,100	3,774	0.74	1.490	4,750	3,515	0.74	1.543
29	24	5,750	3,565	0.62	1.463	5,400	3,348	0.62	1.530	5,100	3,162	0.62	1.596
29	26	6,050	3,025	0.50	1.516	5,700	2,850	0.50	1.583	5,350	2,675	0.50	1.649
30	18	4,900	4,998	1.02	1.303	4,500	4,590	1.02	1.383	4,150	4,233	1.02	1.436
30	20	5,150	4,635	0.90	1.357	4,800	4,320	0.90	1.423	4,450	4,005	0.90	1.503
30	22	5,450	4,251	0.78	1.410	5,100	3,978	0.78	1.490	4,750	3,705	0.78	1.543
30	24	5,750	3,795	0.66	1.463	5,400	3,564	0.66	1.530	5,100	3,366	0.66	1.596
30	26	6,050	3,267	0.54	1.516	5,700	3,078	0.54	1.583	5,350	2,889	0.54	1.649
31	18	4,900	5,194	1.06	1.303	4,500	4,770	1.06	1.383	4,150	4,399	1.06	1.436
31	20	5,150	4,841	0.94	1.357	4,800	4,512	0.94	1.423	4,450	4,183	0.94	1.503
31	22	5,450	4,469	0.82	1.410	5,100	4,182	0.82	1.490	4,750	3,895	0.82	1.543
31	24	5,750	4,025	0.70	1.463	5,400	3,780	0.70	1.530	5,100	3,570	0.70	1.596
31	26	6,050	3,509	0.58	1.516	5,700	3,306	0.58	1.583	5,350	3,103	0.58	1.649
32	18	4,900	5,390	1.10	1.303	4,500	4,950	1.10	1.383	4,150	4,565	1.10	1.436
32	20	5,150	5,047	0.98	1.357	4,800	4,704	0.98	1.423	4,450	4,361	0.98	1.503
32	22	5,450	4,687	0.86	1.410	5,100	4,386	0.86	1.490	4,750	4,085	0.86	1.543
32	24	5,750	4,255	0.74	1.463	5,400	3,996	0.74	1.530	5,100	3,774	0.74	1.596
32	26	6,050	3,751	0.62	1.516	5,700	3,534	0.62	1.583	5,350	3,317	0.62	1.649

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M60JAL / SUZ-M60VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	7,168	4,659	0.65	1.336	6,863	4,461	0.65	1.403	6,588	4,282	0.65	1.470	6,344	4,124	0.65	1.536
21	20	7,473	3,960	0.53	1.403	7,168	3,799	0.53	1.486	6,954	3,686	0.53	1.520	6,710	3,556	0.53	1.587
22	18	7,168	4,946	0.69	1.336	6,863	4,735	0.69	1.403	6,588	4,546	0.69	1.470	6,344	4,377	0.69	1.536
22	20	7,473	4,259	0.57	1.403	7,168	4,085	0.57	1.486	6,954	3,964	0.57	1.520	6,710	3,825	0.57	1.587
22	22	7,778	3,500	0.45	1.453	7,503	3,376	0.45	1.545	7,320	3,294	0.45	1.587	7,015	3,157	0.45	1.653
23	18	7,168	5,232	0.73	1.336	6,863	5,010	0.73	1.403	6,588	4,809	0.73	1.470	6,344	4,631	0.73	1.536
23	20	7,473	4,558	0.61	1.403	7,168	4,372	0.61	1.486	6,954	4,242	0.61	1.520	6,710	4,093	0.61	1.587
23	22	7,778	3,811	0.49	1.453	7,503	3,676	0.49	1.545	7,320	3,587	0.49	1.587	7,015	3,437	0.49	1.653
24	18	7,168	5,519	0.77	1.336	6,863	5,284	0.77	1.403	6,588	5,073	0.77	1.470	6,344	4,885	0.77	1.536
24	20	7,473	4,857	0.65	1.403	7,168	4,659	0.65	1.486	6,954	4,520	0.65	1.520	6,710	4,362	0.65	1.587
24	22	7,778	4,122	0.53	1.453	7,503	3,977	0.53	1.545	7,320	3,880	0.53	1.587	7,015	3,718	0.53	1.653
24	24	8,174	3,351	0.41	1.520	7,869	3,226	0.41	1.603	7,686	3,151	0.41	1.653	7,442	3,051	0.41	1.737
25	20	7,473	5,156	0.69	1.403	7,168	4,946	0.69	1.486	6,954	4,798	0.69	1.520	6,710	4,630	0.69	1.587
25	22	7,778	4,433	0.57	1.453	7,503	4,277	0.57	1.545	7,320	4,172	0.57	1.587	7,015	3,999	0.57	1.653
25	24	8,174	3,678	0.45	1.520	7,869	3,541	0.45	1.603	7,686	3,459	0.45	1.653	7,442	3,349	0.45	1.737
26	18	7,168	6,092	0.85	1.336	6,863	5,833	0.85	1.403	6,588	5,600	0.85	1.470	6,344	5,392	0.85	1.536
26	20	7,473	5,455	0.73	1.403	7,168	5,232	0.73	1.486	6,954	5,076	0.73	1.520	6,710	4,898	0.73	1.587
26	22	7,778	4,744	0.61	1.453	7,503	4,577	0.61	1.545	7,320	4,465	0.61	1.587	7,015	4,279	0.61	1.653
26	24	8,174	4,005	0.49	1.520	7,869	3,856	0.49	1.603	7,686	3,766	0.49	1.653	7,442	3,647	0.49	1.737
26	26	8,418	3,115	0.37	1.603	8,174	3,024	0.37	1.687	8,052	2,979	0.37	1.737	7,808	2,889	0.37	1.787
27	18	7,168	6,379	0.89	1.336	6,863	6,108	0.89	1.403	6,588	5,863	0.89	1.470	6,344	5,646	0.89	1.536
27	20	7,473	5,754	0.77	1.403	7,168	5,519	0.77	1.486	6,954	5,355	0.77	1.520	6,710	5,167	0.77	1.587
27	22	7,778	5,055	0.65	1.453	7,503	4,877	0.65	1.545	7,320	4,758	0.65	1.587	7,015	4,560	0.65	1.653
27	24	8,174	4,332	0.53	1.520	7,869	4,171	0.53	1.603	7,686	4,074	0.53	1.653	7,442	3,944	0.53	1.737
27	26	8,418	3,451	0.41	1.603	8,174	3,351	0.41	1.687	8,052	3,301	0.41	1.737	7,808	3,201	0.41	1.787
28	18	7,168	6,666	0.93	1.336	6,863	6,382	0.93	1.403	6,588	6,127	0.93	1.470	6,344	5,900	0.93	1.536
28	20	7,473	6,053	0.81	1.403	7,168	5,806	0.81	1.486	6,954	5,633	0.81	1.520	6,710	5,435	0.81	1.587
28	22	7,778	5,366	0.69	1.453	7,503	5,177	0.69	1.545	7,320	5,051	0.69	1.587	7,015	4,840	0.69	1.653
28	24	8,174	4,659	0.57	1.520	7,869	4,485	0.57	1.603	7,686	4,381	0.57	1.653	7,442	4,242	0.57	1.737
28	26	8,418	3,788	0.45	1.603	8,174	3,678	0.45	1.687	8,052	3,623	0.45	1.737	7,808	3,514	0.45	1.787
29	18	7,168	6,952	0.97	1.336	6,863	6,657	0.97	1.403	6,588	6,390	0.97	1.470	6,344	6,154	0.97	1.536
29	20	7,473	6,352	0.85	1.403	7,168	6,092	0.85	1.486	6,954	5,911	0.85	1.520	6,710	5,704	0.85	1.587
29	22	7,778	5,678	0.73	1.453	7,503	5,477	0.73	1.545	7,320	5,344	0.73	1.587	7,015	5,121	0.73	1.653
29	24	8,174	4,986	0.61	1.520	7,869	4,800	0.61	1.603	7,686	4,688	0.61	1.653	7,442	4,540	0.61	1.737
29	26	8,418	4,125	0.49	1.603	8,174	4,005	0.49	1.687	8,052	3,945	0.49	1.737	7,808	3,826	0.49	1.787
30	18	7,168	7,239	1.01	1.336	6,863	6,931	1.01	1.403	6,588	6,654	1.01	1.470	6,344	6,407	1.01	1.536
30	20	7,473	6,651	0.89	1.403	7,168	6,379	0.89	1.486	6,954	6,189	0.89	1.520	6,710	5,972	0.89	1.587
30	22	7,778	5,989	0.77	1.453	7,503	5,777	0.77	1.545	7,320	5,636	0.77	1.587	7,015	5,402	0.77	1.653
30	24	8,174	5,313	0.65	1.520	7,869	5,115	0.65	1.603	7,686	4,996	0.65	1.653	7,442	4,837	0.65	1.737
30	26	8,418	4,462	0.53	1.603	8,174	4,332	0.53	1.687	8,052	4,268	0.53	1.737	7,808	4,138	0.53	1.787
31	18	7,168	7,526	1.05	1.336	6,863	7,206	1.05	1.403	6,588	6,917	1.05	1.470	6,344	6,661	1.05	1.536
31	20	7,473	6,949	0.93	1.403	7,168	6,666	0.93	1.486	6,954	6,467	0.93	1.520	6,710	6,240	0.93	1.587
31	22	7,778	6,300	0.81	1.453	7,503	6,077	0.81	1.545	7,320	5,929	0.81	1.587	7,015	5,682	0.81	1.653
31	24	8,174	5,640	0.69	1.520	7,869	5,430	0.69	1.603	7,686	5,303	0.69	1.653	7,442	5,135	0.69	1.737
31	26	8,418	4,798	0.57	1.603	8,174	4,659	0.57	1.687	8,052	4,590	0.57	1.737	7,808	4,451	0.57	1.787
32	18	7,168	7,813	1.09	1.336	6,863	7,480	1.09	1.403	6,588	7,181	1.09	1.470	6,344	6,915	1.09	1.536
32	20	7,473	7,248	0.97	1.403	7,168	6,952	0.97	1.486	6,954	6,745	0.97	1.520	6,710	6,509	0.97	1.587
32	22	7,778	6,611	0.85	1.453	7,503	6,378	0.85	1.545	7,320	6,222	0.85	1.587	7,015	5,963	0.85	1.653
32	24	8,174	5,967	0.73	1.520	7,869	5,744	0.73	1.603	7,686	5,611	0.73	1.653	7,442	5,433	0.73	1.737
32	26	8,418	5,135	0.61	1.603	8,174	4,986	0.61	1.687	8,052	4,912	0.61	1.737	7,808	4,763	0.61	1.787

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M60JAL / SUZ-M60VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5,978	3,886	0.65	1.637	5,490	3,569	0.65	1.737	5,063	3,291	0.65	1.804
21	20	6,283	3,330	0.53	1.703	5,856	3,104	0.53	1.787	5,429	2,877	0.53	1.887
22	18	5,978	4,125	0.69	1.637	5,490	3,788	0.69	1.737	5,063	3,493	0.69	1.804
22	20	6,283	3,581	0.57	1.703	5,856	3,338	0.57	1.787	5,429	3,095	0.57	1.887
22	22	6,649	2,992	0.45	1.770	6,222	2,800	0.45	1.870	5,795	2,608	0.45	1.937
23	18	5,978	4,364	0.73	1.637	5,490	4,008	0.73	1.737	5,063	3,696	0.73	1.804
23	20	6,283	3,833	0.61	1.703	5,856	3,572	0.61	1.787	5,429	3,312	0.61	1.887
23	22	6,649	3,258	0.49	1.770	6,222	3,049	0.49	1.870	5,795	2,840	0.49	1.937
24	18	5,978	4,603	0.77	1.637	5,490	4,227	0.77	1.737	5,063	3,899	0.77	1.804
24	20	6,283	4,084	0.65	1.703	5,856	3,806	0.65	1.787	5,429	3,529	0.65	1.887
24	22	6,649	3,524	0.53	1.770	6,222	3,298	0.53	1.870	5,795	3,071	0.53	1.937
24	24	7,015	2,876	0.41	1.837	6,588	2,701	0.41	1.921	6,222	2,551	0.41	2.004
25	20	6,283	4,335	0.69	1.703	5,856	4,041	0.69	1.787	5,429	3,746	0.69	1.887
25	22	6,649	3,790	0.57	1.770	6,222	3,547	0.57	1.870	5,795	3,303	0.57	1.937
25	24	7,015	3,157	0.45	1.837	6,588	2,965	0.45	1.921	6,222	2,800	0.45	2.004
26	18	5,978	5,081	0.85	1.637	5,490	4,667	0.85	1.737	5,063	4,304	0.85	1.804
26	20	6,283	4,587	0.73	1.703	5,856	4,275	0.73	1.787	5,429	3,963	0.73	1.887
26	22	6,649	4,056	0.61	1.770	6,222	3,795	0.61	1.870	5,795	3,535	0.61	1.937
26	24	7,015	3,437	0.49	1.837	6,588	3,228	0.49	1.921	6,222	3,049	0.49	2.004
26	26	7,381	2,731	0.37	1.904	6,954	2,573	0.37	1.987	6,527	2,415	0.37	2.071
27	18	5,978	5,320	0.89	1.637	5,490	4,886	0.89	1.737	5,063	4,506	0.89	1.804
27	20	6,283	4,838	0.77	1.703	5,856	4,509	0.77	1.787	5,429	4,180	0.77	1.887
27	22	6,649	4,322	0.65	1.770	6,222	4,044	0.65	1.870	5,795	3,767	0.65	1.937
27	24	7,015	3,718	0.53	1.837	6,588	3,492	0.53	1.921	6,222	3,298	0.53	2.004
27	26	7,381	3,026	0.41	1.904	6,954	2,851	0.41	1.987	6,527	2,676	0.41	2.071
28	18	5,978	5,560	0.93	1.637	5,490	5,106	0.93	1.737	5,063	4,709	0.93	1.804
28	20	6,283	5,089	0.81	1.703	5,856	4,743	0.81	1.787	5,429	4,397	0.81	1.887
28	22	6,649	4,588	0.69	1.770	6,222	4,293	0.69	1.870	5,795	3,999	0.69	1.937
28	24	7,015	3,999	0.57	1.837	6,588	3,755	0.57	1.921	6,222	3,547	0.57	2.004
28	26	7,381	3,321	0.45	1.904	6,954	3,129	0.45	1.987	6,527	2,937	0.45	2.071
29	18	5,978	5,799	0.97	1.637	5,490	5,325	0.97	1.737	5,063	4,911	0.97	1.804
29	20	6,283	5,341	0.85	1.703	5,856	4,978	0.85	1.787	5,429	4,615	0.85	1.887
29	22	6,649	4,854	0.73	1.770	6,222	4,542	0.73	1.870	5,795	4,230	0.73	1.937
29	24	7,015	4,279	0.61	1.837	6,588	4,019	0.61	1.921	6,222	3,795	0.61	2.004
29	26	7,381	3,617	0.49	1.904	6,954	3,407	0.49	1.987	6,527	3,198	0.49	2.071
30	18	5,978	6,038	1.01	1.637	5,490	5,545	1.01	1.737	5,063	5,114	1.01	1.804
30	20	6,283	5,592	0.89	1.703	5,856	5,212	0.89	1.787	5,429	4,832	0.89	1.887
30	22	6,649	5,120	0.77	1.770	6,222	4,791	0.77	1.870	5,795	4,462	0.77	1.937
30	24	7,015	4,560	0.65	1.837	6,588	4,282	0.65	1.921	6,222	4,044	0.65	2.004
30	26	7,381	3,912	0.53	1.904	6,954	3,686	0.53	1.987	6,527	3,459	0.53	2.071
31	18	5,978	6,277	1.05	1.637	5,490	5,765	1.05	1.737	5,063	5,316	1.05	1.804
31	20	6,283	5,843	0.93	1.703	5,856	5,446	0.93	1.787	5,429	5,049	0.93	1.887
31	22	6,649	5,386	0.81	1.770	6,222	5,040	0.81	1.870	5,795	4,694	0.81	1.937
31	24	7,015	4,840	0.69	1.837	6,588	4,546	0.69	1.921	6,222	4,293	0.69	2.004
31	26	7,381	4,207	0.57	1.904	6,954	3,964	0.57	1.987	6,527	3,720	0.57	2.071
32	18	5,978	6,516	1.09	1.637	5,490	5,984	1.09	1.737	5,063	5,519	1.09	1.804
32	20	6,283	6,095	0.97	1.703	5,856	5,680	0.97	1.787	5,429	5,266	0.97	1.887
32	22	6,649	5,652	0.85	1.770	6,222	5,289	0.85	1.870	5,795	4,926	0.85	1.937
32	24	7,015	5,121	0.73	1.837	6,588	4,809	0.73	1.921	6,222	4,542	0.73	2.004
32	26	7,381	4,502	0.61	1.904	6,954	4,242	0.61	1.987	6,527	3,981	0.61	2.071

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M71JAL / SUZ-M71VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8,343	5,423	0.65	1.600	7,988	5,192	0.65	1.680	7,668	4,984	0.65	1.760	7,384	4,800	0.65	1.840
21	20	8,698	4,610	0.53	1.680	8,343	4,422	0.53	1.780	8,094	4,290	0.53	1.820	7,810	4,139	0.53	1.900
22	18	8,343	5,756	0.69	1.600	7,988	5,511	0.69	1.680	7,668	5,291	0.69	1.760	7,384	5,095	0.69	1.840
22	20	8,698	4,958	0.57	1.680	8,343	4,755	0.57	1.780	8,094	4,614	0.57	1.820	7,810	4,452	0.57	1.900
22	22	9,053	4,074	0.45	1.740	8,733	3,930	0.45	1.850	8,520	3,834	0.45	1.900	8,165	3,674	0.45	1.980
23	18	8,343	6,090	0.73	1.600	7,988	5,831	0.73	1.680	7,668	5,598	0.73	1.760	7,384	5,390	0.73	1.840
23	20	8,698	5,305	0.61	1.680	8,343	5,089	0.61	1.780	8,094	4,937	0.61	1.820	7,810	4,764	0.61	1.900
23	22	9,053	4,436	0.49	1.740	8,733	4,279	0.49	1.850	8,520	4,175	0.49	1.900	8,165	4,001	0.49	1.980
24	18	8,343	6,424	0.77	1.600	7,988	6,150	0.77	1.680	7,668	5,904	0.77	1.760	7,384	5,686	0.77	1.840
24	20	8,698	5,653	0.65	1.680	8,343	5,423	0.65	1.780	8,094	5,261	0.65	1.820	7,810	5,077	0.65	1.900
24	22	9,053	4,798	0.53	1.740	8,733	4,628	0.53	1.850	8,520	4,516	0.53	1.900	8,165	4,327	0.53	1.980
24	24	9,514	3,901	0.41	1.820	9,159	3,755	0.41	1.920	8,946	3,668	0.41	1.980	8,662	3,551	0.41	2.080
25	20	8,698	6,001	0.69	1.680	8,343	5,756	0.69	1.780	8,094	5,585	0.69	1.820	7,810	5,389	0.69	1.900
25	22	9,053	5,160	0.57	1.740	8,733	4,978	0.57	1.850	8,520	4,856	0.57	1.900	8,165	4,654	0.57	1.980
25	24	9,514	4,281	0.45	1.820	9,159	4,122	0.45	1.920	8,946	4,026	0.45	1.980	8,662	3,898	0.45	2.080
26	18	8,343	7,091	0.85	1.600	7,988	6,789	0.85	1.680	7,668	6,518	0.85	1.760	7,384	6,276	0.85	1.840
26	20	8,698	6,349	0.73	1.680	8,343	6,090	0.73	1.780	8,094	5,909	0.73	1.820	7,810	5,701	0.73	1.900
26	22	9,053	5,522	0.61	1.740	8,733	5,327	0.61	1.850	8,520	5,197	0.61	1.900	8,165	4,981	0.61	1.980
26	24	9,514	4,662	0.49	1.820	9,159	4,488	0.49	1.920	8,946	4,384	0.49	1.980	8,662	4,244	0.49	2.080
26	26	9,798	3,625	0.37	1.920	9,514	3,520	0.37	2.020	9,372	3,468	0.37	2.080	9,088	3,363	0.37	2.140
27	18	8,343	7,425	0.89	1.600	7,988	7,109	0.89	1.680	7,668	6,825	0.89	1.760	7,384	6,572	0.89	1.840
27	20	8,698	6,697	0.77	1.680	8,343	6,424	0.77	1.780	8,094	6,232	0.77	1.820	7,810	6,014	0.77	1.900
27	22	9,053	5,884	0.65	1.740	8,733	5,676	0.65	1.850	8,520	5,538	0.65	1.900	8,165	5,307	0.65	1.980
27	24	9,514	5,042	0.53	1.820	9,159	4,854	0.53	1.920	8,946	4,741	0.53	1.980	8,662	4,591	0.53	2.080
27	26	9,798	4,017	0.41	1.920	9,514	3,901	0.41	2.020	9,372	3,843	0.41	2.080	9,088	3,726	0.41	2.140
28	18	8,343	7,759	0.93	1.600	7,988	7,428	0.93	1.680	7,668	7,131	0.93	1.760	7,384	6,867	0.93	1.840
28	20	8,698	7,045	0.81	1.680	8,343	6,757	0.81	1.780	8,094	6,556	0.81	1.820	7,810	6,326	0.81	1.900
28	22	9,053	6,246	0.69	1.740	8,733	6,026	0.69	1.850	8,520	5,879	0.69	1.900	8,165	5,634	0.69	1.980
28	24	9,514	5,423	0.57	1.820	9,159	5,221	0.57	1.920	8,946	5,099	0.57	1.980	8,662	4,937	0.57	2.080
28	26	9,798	4,409	0.45	1.920	9,514	4,281	0.45	2.020	9,372	4,217	0.45	2.080	9,088	4,090	0.45	2.140
29	18	8,343	8,092	0.97	1.600	7,988	7,748	0.97	1.680	7,668	7,438	0.97	1.760	7,384	7,162	0.97	1.840
29	20	8,698	7,393	0.85	1.680	8,343	7,091	0.85	1.780	8,094	6,880	0.85	1.820	7,810	6,639	0.85	1.900
29	22	9,053	6,608	0.73	1.740	8,733	6,375	0.73	1.850	8,520	6,220	0.73	1.900	8,165	5,960	0.73	1.980
29	24	9,514	5,804	0.61	1.820	9,159	5,587	0.61	1.920	8,946	5,457	0.61	1.980	8,662	5,284	0.61	2.080
29	26	9,798	4,801	0.49	1.920	9,514	4,662	0.49	2.020	9,372	4,592	0.49	2.080	9,088	4,453	0.49	2.140
30	18	8,343	8,426	1.01	1.600	7,988	8,067	1.01	1.680	7,668	7,745	1.01	1.760	7,384	7,458	1.01	1.840
30	20	8,698	7,741	0.89	1.680	8,343	7,425	0.89	1.780	8,094	7,204	0.89	1.820	7,810	6,951	0.89	1.900
30	22	9,053	6,970	0.77	1.740	8,733	6,724	0.77	1.850	8,520	6,560	0.77	1.900	8,165	6,287	0.77	1.980
30	24	9,514	6,184	0.65	1.820	9,159	5,953	0.65	1.920	8,946	5,815	0.65	1.980	8,662	5,630	0.65	2.080
30	26	9,798	5,193	0.53	1.920	9,514	5,042	0.53	2.020	9,372	4,967	0.53	2.080	9,088	4,817	0.53	2.140
31	18	8,343	8,760	1.05	1.600	7,988	8,387	1.05	1.680	7,668	8,051	1.05	1.760	7,384	7,753	1.05	1.840
31	20	8,698	8,089	0.93	1.680	8,343	7,759	0.93	1.780	8,094	7,527	0.93	1.820	7,810	7,263	0.93	1.900
31	22	9,053	7,333	0.81	1.740	8,733	7,074	0.81	1.850	8,520	6,901	0.81	1.900	8,165	6,614	0.81	1.980
31	24	9,514	6,565	0.69	1.820	9,159	6,320	0.69	1.920	8,946	6,173	0.69	1.980	8,662	5,977	0.69	2.080
31	26	9,798	5,585	0.57	1.920	9,514	5,423	0.57	2.020	9,372	5,342	0.57	2.080	9,088	5,180	0.57	2.140
32	18	8,343	9,093	1.09	1.600	7,988	8,706	1.09	1.680	7,668	8,358	1.09	1.760	7,384	8,049	1.09	1.840
32	20	8,698	8,437	0.97	1.680	8,343	8,092	0.97	1.780	8,094	7,851	0.97	1.820	7,810	7,576	0.97	1.900
32	22	9,053	7,695	0.85	1.740	8,733	7,423	0.85	1.850	8,520	7,242	0.85	1.900	8,165	6,940	0.85	1.980
32	24	9,514	6,945	0.73	1.820	9,159	6,686	0.73	1.920	8,946	6,531	0.73	1.980	8,662	6,323	0.73	2.080
32	26	9,798	5,977	0.61	1.920	9,514	5,804	0.61	2.020	9,372	5,717	0.61	2.080	9,088	5,544	0.61	2.140

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M71JAL / SUZ-M71VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,958	4,523	0.65	1.960	6,390	4,154	0.65	2.080	5,893	3,830	0.65	2.160
21	20	7,313	3,876	0.53	2.040	6,816	3,612	0.53	2.140	6,319	3,349	0.53	2.260
22	18	6,958	4,801	0.69	1.960	6,390	4,409	0.69	2.080	5,893	4,066	0.69	2.160
22	20	7,313	4,168	0.57	2.040	6,816	3,885	0.57	2.140	6,319	3,602	0.57	2.260
22	22	7,739	3,483	0.45	2.120	7,242	3,259	0.45	2.240	6,745	3,035	0.45	2.320
23	18	6,958	5,079	0.73	1.960	6,390	4,665	0.73	2.080	5,893	4,302	0.73	2.160
23	20	7,313	4,461	0.61	2.040	6,816	4,158	0.61	2.140	6,319	3,855	0.61	2.260
23	22	7,739	3,792	0.49	2.120	7,242	3,549	0.49	2.240	6,745	3,305	0.49	2.320
24	18	6,958	5,358	0.77	1.960	6,390	4,920	0.77	2.080	5,893	4,538	0.77	2.160
24	20	7,313	4,753	0.65	2.040	6,816	4,430	0.65	2.140	6,319	4,107	0.65	2.260
24	22	7,739	4,102	0.53	2.120	7,242	3,838	0.53	2.240	6,745	3,575	0.53	2.320
24	24	8,165	3,348	0.41	2.200	7,668	3,144	0.41	2.300	7,242	2,969	0.41	2.400
25	20	7,313	5,046	0.69	2.040	6,816	4,703	0.69	2.140	6,319	4,360	0.69	2.260
25	22	7,739	4,411	0.57	2.120	7,242	4,128	0.57	2.240	6,745	3,845	0.57	2.320
25	24	8,165	3,674	0.45	2.200	7,668	3,451	0.45	2.300	7,242	3,259	0.45	2.400
26	18	6,958	5,914	0.85	1.960	6,390	5,432	0.85	2.080	5,893	5,009	0.85	2.160
26	20	7,313	5,338	0.73	2.040	6,816	4,976	0.73	2.140	6,319	4,613	0.73	2.260
26	22	7,739	4,721	0.61	2.120	7,242	4,418	0.61	2.240	6,745	4,114	0.61	2.320
26	24	8,165	4,001	0.49	2.200	7,668	3,757	0.49	2.300	7,242	3,549	0.49	2.400
26	26	8,591	3,179	0.37	2.280	8,094	2,995	0.37	2.380	7,597	2,811	0.37	2.480
27	18	6,958	6,193	0.89	1.960	6,390	5,687	0.89	2.080	5,893	5,245	0.89	2.160
27	20	7,313	5,631	0.77	2.040	6,816	5,248	0.77	2.140	6,319	4,866	0.77	2.260
27	22	7,739	5,030	0.65	2.120	7,242	4,707	0.65	2.240	6,745	4,384	0.65	2.320
27	24	8,165	4,327	0.53	2.200	7,668	4,064	0.53	2.300	7,242	3,838	0.53	2.400
27	26	8,591	3,522	0.41	2.280	8,094	3,319	0.41	2.380	7,597	3,115	0.41	2.480
28	18	6,958	6,471	0.93	1.960	6,390	5,943	0.93	2.080	5,893	5,480	0.93	2.160
28	20	7,313	5,924	0.81	2.040	6,816	5,521	0.81	2.140	6,319	5,118	0.81	2.260
28	22	7,739	5,340	0.69	2.120	7,242	4,997	0.69	2.240	6,745	4,654	0.69	2.320
28	24	8,165	4,654	0.57	2.200	7,668	4,371	0.57	2.300	7,242	4,128	0.57	2.400
28	26	8,591	3,866	0.45	2.280	8,094	3,642	0.45	2.380	7,597	3,419	0.45	2.480
29	18	6,958	6,749	0.97	1.960	6,390	6,198	0.97	2.080	5,893	5,716	0.97	2.160
29	20	7,313	6,216	0.85	2.040	6,816	5,794	0.85	2.140	6,319	5,371	0.85	2.260
29	22	7,739	5,649	0.73	2.120	7,242	5,287	0.73	2.240	6,745	4,924	0.73	2.320
29	24	8,165	4,981	0.61	2.200	7,668	4,677	0.61	2.300	7,242	4,418	0.61	2.400
29	26	8,591	4,210	0.49	2.280	8,094	3,966	0.49	2.380	7,597	3,723	0.49	2.480
30	18	6,958	7,028	1.01	1.960	6,390	6,454	1.01	2.080	5,893	5,952	1.01	2.160
30	20	7,313	6,509	0.89	2.040	6,816	6,066	0.89	2.140	6,319	5,624	0.89	2.260
30	22	7,739	5,959	0.77	2.120	7,242	5,576	0.77	2.240	6,745	5,194	0.77	2.320
30	24	8,165	5,307	0.65	2.200	7,668	4,984	0.65	2.300	7,242	4,707	0.65	2.400
30	26	8,591	4,553	0.53	2.280	8,094	4,290	0.53	2.380	7,597	4,026	0.53	2.480
31	18	6,958	7,306	1.05	1.960	6,390	6,710	1.05	2.080	5,893	6,188	1.05	2.160
31	20	7,313	6,801	0.93	2.040	6,816	6,339	0.93	2.140	6,319	5,877	0.93	2.260
31	22	7,739	6,269	0.81	2.120	7,242	5,866	0.81	2.240	6,745	5,463	0.81	2.320
31	24	8,165	5,634	0.69	2.200	7,668	5,291	0.69	2.300	7,242	4,997	0.69	2.400
31	26	8,591	4,897	0.57	2.280	8,094	4,614	0.57	2.380	7,597	4,330	0.57	2.480
32	18	6,958	7,584	1.09	1.960	6,390	6,965	1.09	2.080	5,893	6,423	1.09	2.160
32	20	7,313	7,094	0.97	2.040	6,816	6,612	0.97	2.140	6,319	6,129	0.97	2.260
32	22	7,739	6,578	0.85	2.120	7,242	6,156	0.85	2.240	6,745	5,733	0.85	2.320
32	24	8,165	5,960	0.73	2.200	7,668	5,598	0.73	2.300	7,242	5,287	0.73	2.400
32	26	8,591	5,241	0.61	2.280	8,094	4,937	0.61	2.380	7,597	4,634	0.61	2.480

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M100JA / PUZ-M100VKA PUZ-M100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	6,772	0.72	2.30	9,120	6,566	0.72	2.43	8,835	6,361	0.72	2.57
20	18	10,070	6,042	0.60	2.34	9,785	5,871	0.60	2.47	9,453	5,672	0.60	2.64
20	20	10,830	5,198	0.48	2.41	10,593	5,084	0.48	2.53	10,308	4,948	0.48	2.70
22	16	9,405	7,524	0.80	2.30	9,120	7,296	0.80	2.43	8,835	7,068	0.80	2.57
22	18	10,070	6,848	0.68	2.34	9,785	6,654	0.68	2.47	9,453	6,428	0.68	2.64
22	20	10,830	6,065	0.56	2.41	10,593	5,932	0.56	2.53	10,308	5,772	0.56	2.70
24	16	9,405	8,276	0.88	2.30	9,120	8,026	0.88	2.43	8,835	7,775	0.88	2.57
24	18	10,070	7,653	0.76	2.34	9,785	7,437	0.76	2.47	9,453	7,184	0.76	2.64
24	20	10,830	6,931	0.64	2.41	10,593	6,779	0.64	2.53	10,308	6,597	0.64	2.70
24	22	11,543	6,002	0.52	2.47	11,305	5,879	0.52	2.61	11,020	5,730	0.52	2.78
26	16	9,405	9,029	0.96	2.30	9,120	8,755	0.96	2.43	8,835	8,482	0.96	2.57
26	18	10,070	8,459	0.84	2.34	9,785	8,219	0.84	2.47	9,453	7,940	0.84	2.64
26	20	10,830	7,798	0.72	2.41	10,593	7,627	0.72	2.53	10,308	7,421	0.72	2.70
26	22	11,543	6,926	0.60	2.47	11,305	6,783	0.60	2.61	11,020	6,612	0.60	2.78
27	16	9,405	9,405	1.00	2.30	9,120	9,120	1.00	2.43	8,835	8,835	1.00	2.57
27	18	10,070	8,862	0.88	2.34	9,785	8,611	0.88	2.47	9,453	8,318	0.88	2.64
27	20	10,830	8,231	0.76	2.41	10,593	8,050	0.76	2.53	10,308	7,834	0.76	2.70
27	22	11,543	7,387	0.64	2.47	11,305	7,235	0.64	2.61	11,020	7,053	0.64	2.78
28	16	9,405	9,405	1.00	2.30	9,120	9,120	1.00	2.43	8,835	8,835	1.00	2.57
28	18	10,070	9,264	0.92	2.34	9,785	9,002	0.92	2.47	9,453	8,696	0.92	2.64
28	20	10,830	8,664	0.80	2.41	10,593	8,474	0.80	2.53	10,308	8,246	0.80	2.70
28	22	11,543	7,849	0.68	2.47	11,305	7,687	0.68	2.61	11,020	7,494	0.68	2.78
30	16	9,405	9,405	1.00	2.30	9,120	9,120	1.00	2.43	8,835	8,835	1.00	2.57
30	18	10,070	10,070	1.00	2.34	9,785	9,785	1.00	2.47	9,453	9,453	1.00	2.64
30	20	10,830	9,530	0.88	2.41	10,593	9,321	0.88	2.53	10,308	9,071	0.88	2.70
30	22	11,543	8,772	0.76	2.47	11,305	8,592	0.76	2.61	11,020	8,375	0.76	2.78
32	16	9,405	9,405	1.00	2.30	9,120	9,120	1.00	2.43	8,835	8,835	1.00	2.57
32	18	10,070	10,070	1.00	2.34	9,785	9,785	1.00	2.47	9,453	9,453	1.00	2.64
32	20	10,830	10,397	0.96	2.41	10,593	10,169	0.96	2.53	10,308	9,895	0.96	2.70
32	22	11,543	9,696	0.84	2.47	11,305	9,496	0.84	2.61	11,020	9,257	0.84	2.78
34	16	9,405	9,405	1.00	2.30	9,120	9,120	1.00	2.43	8,835	8,835	1.00	2.57
34	18	10,070	10,070	1.00	2.34	9,785	9,785	1.00	2.47	9,453	9,453	1.00	2.64
34	20	10,830	10,830	1.00	2.41	10,593	10,593	1.00	2.53	10,308	10,308	1.00	2.70
34	22	11,543	10,619	0.92	2.47	11,305	10,401	0.92	2.61	11,020	10,138	0.92	2.78

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	6,088	0.72	2.76	8,075	5,814	0.72	2.96	7,695	5,540	0.72	3.20
20	18	9,120	5,472	0.60	2.83	8,835	5,301	0.60	3.04	8,265	4,959	0.60	3.27
20	20	9,880	4,742	0.48	2.90	9,500	4,560	0.48	3.10	8,930	4,286	0.48	3.33
22	16	8,455	6,764	0.80	2.76	8,075	6,460	0.80	2.96	7,695	6,156	0.80	3.20
22	18	9,120	6,202	0.68	2.83	8,835	6,008	0.68	3.04	8,265	5,620	0.68	3.27
22	20	9,880	5,533	0.56	2.90	9,500	5,320	0.56	3.10	8,930	5,001	0.56	3.33
24	16	8,455	7,440	0.88	2.76	8,075	7,106	0.88	2.96	7,695	6,772	0.88	3.20
24	18	9,120	6,931	0.76	2.83	8,835	6,715	0.76	3.04	8,265	6,281	0.76	3.27
24	20	9,880	6,323	0.64	2.90	9,500	6,080	0.64	3.10	8,930	5,715	0.64	3.33
24	22	10,640	5,533	0.52	2.96	10,260	5,335	0.52	3.19	9,690	5,039	0.52	3.39
26	16	8,455	8,117	0.96	2.76	8,075	7,752	0.96	2.96	7,695	7,387	0.96	3.20
26	18	9,120	7,661	0.84	2.83	8,835	7,421	0.84	3.04	8,265	6,943	0.84	3.27
26	20	9,880	7,114	0.72	2.90	9,500	6,840	0.72	3.10	8,930	6,430	0.72	3.33
26	22	10,640	6,384	0.60	2.96	10,260	6,156	0.60	3.19	9,690	5,814	0.60	3.39
27	16	8,455	8,455	1.00	2.76	8,075	8,075	1.00	2.96	7,695	7,695	1.00	3.20
27	18	9,120	8,026	0.88	2.83	8,835	7,775	0.88	3.04	8,265	7,273	0.88	3.27
27	20	9,880	7,509	0.76	2.90	9,500	7,220	0.76	3.10	8,930	6,787	0.76	3.33
27	22	10,640	6,810	0.64	2.96	10,260	6,566	0.64	3.19	9,690	6,202	0.64	3.39
28	16	8,455	8,455	1.00	2.76	8,075	8,075	1.00	2.96	7,695	7,695	1.00	3.20
28	18	9,120	8,390	0.92	2.83	8,835	8,128	0.92	3.04	8,265	7,604	0.92	3.27
28	20	9,880	7,904	0.80	2.90	9,500	7,600	0.80	3.10	8,930	7,144	0.80	3.33
28	22	10,640	7,235	0.68	2.96	10,260	6,977	0.68	3.19	9,690	6,589	0.68	3.39
30	16	8,455	8,455	1.00	2.76	8,075	8,075	1.00	2.96	7,695	7,695	1.00	3.20
30	18	9,120	9,120	1.00	2.83	8,835	8,835	1.00	3.04	8,265	8,265	1.00	3.27
30	20	9,880	8,694	0.88	2.90	9,500	8,360	0.88	3.10	8,930	7,858	0.88	3.33
30	22	10,640	8,086	0.76	2.96	10,260	7,798	0.76	3.19	9,690	7,364	0.76	3.39
32	16	8,455	8,455	1.00	2.76	8,075	8,075	1.00	2.96	7,695	7,695	1.00	3.20
32	18	9,120	9,120	1.00	2.83	8,835	8,835	1.00	3.04	8,265	8,265	1.00	3.27
32	20	9,880	9,485	0.96	2.90	9,500	9,120	0.96	3.10	8,930	8,573	0.96	3.33
32	22	10,640	8,938	0.84	2.96	10,260	8,618	0.84	3.19	9,690	8,140	0.84	3.39
34	16	8,455	8,455	1.00	2.76	8,075	8,075	1.00	2.96	7,695	7,695	1.00	3.20
34	18	9,120	9,120	1.00	2.83	8,835	8,835	1.00	3.04	8,265	8,265	1.00	3.27
34	20	9,880	9,880	1.00	2.90	9,500	9,500	1.00	3.10	8,930	8,930	1.00	3.33
34	22	10,640	9,789	0.92	2.96	10,260	9,439	0.92	3.19	9,690	8,915	0.92	3.39

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M125JA / PUZ-M125VKA PUZ-M125YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	11,979	8,864	0.74	3.21	11,616	8,596	0.74	3.39	11,253	8,327	0.74	3.59
20	18	12,826	7,952	0.62	3.27	12,463	7,727	0.62	3.45	12,040	7,464	0.62	3.69
20	20	13,794	6,897	0.50	3.37	13,492	6,746	0.50	3.53	13,129	6,564	0.50	3.77
22	16	11,979	9,823	0.82	3.21	11,616	9,525	0.82	3.39	11,253	9,227	0.82	3.59
22	18	12,826	8,978	0.70	3.27	12,463	8,724	0.70	3.45	12,040	8,428	0.70	3.69
22	20	13,794	8,001	0.58	3.37	13,492	7,825	0.58	3.53	13,129	7,615	0.58	3.77
24	16	11,979	10,781	0.90	3.21	11,616	10,454	0.90	3.39	11,253	10,128	0.90	3.59
24	18	12,826	10,004	0.78	3.27	12,463	9,721	0.78	3.45	12,040	9,391	0.78	3.69
24	20	13,794	9,104	0.66	3.37	13,492	8,904	0.66	3.53	13,129	8,665	0.66	3.77
24	22	14,702	7,939	0.54	3.45	14,399	7,775	0.54	3.65	14,036	7,579	0.54	3.89
26	16	11,979	11,739	0.98	3.21	11,616	11,384	0.98	3.39	11,253	11,028	0.98	3.59
26	18	12,826	11,030	0.86	3.27	12,463	10,718	0.86	3.45	12,040	10,354	0.86	3.69
26	20	13,794	10,208	0.74	3.37	13,492	9,984	0.74	3.53	13,129	9,715	0.74	3.77
26	22	14,702	9,115	0.62	3.45	14,399	8,927	0.62	3.65	14,036	8,702	0.62	3.89
27	16	11,979	11,979	1.00	3.21	11,616	11,616	1.00	3.39	11,253	11,253	1.00	3.59
27	18	12,826	11,543	0.90	3.27	12,463	11,217	0.90	3.45	12,040	10,836	0.90	3.69
27	20	13,794	10,759	0.78	3.37	13,492	10,523	0.78	3.53	13,129	10,240	0.78	3.77
27	22	14,702	9,703	0.66	3.45	14,399	9,503	0.66	3.65	14,036	9,264	0.66	3.89
28	16	11,979	11,979	1.00	3.21	11,616	11,616	1.00	3.39	11,253	11,253	1.00	3.59
28	18	12,826	12,056	0.94	3.27	12,463	11,715	0.94	3.45	12,040	11,317	0.94	3.69
28	20	13,794	11,311	0.82	3.37	13,492	11,063	0.82	3.53	13,129	10,765	0.82	3.77
28	22	14,702	10,291	0.70	3.45	14,399	10,079	0.70	3.65	14,036	9,825	0.70	3.89
30	16	11,979	11,979	1.00	3.21	11,616	11,616	1.00	3.39	11,253	11,253	1.00	3.59
30	18	12,826	12,826	1.00	3.27	12,463	12,463	1.00	3.45	12,040	12,040	1.00	3.69
30	20	13,794	12,415	0.90	3.37	13,492	12,142	0.90	3.53	13,129	11,816	0.90	3.77
30	22	14,702	11,467	0.78	3.45	14,399	11,231	0.78	3.65	14,036	10,948	0.78	3.89
32	16	11,979	11,979	1.00	3.21	11,616	11,616	1.00	3.39	11,253	11,253	1.00	3.59
32	18	12,826	12,826	1.00	3.27	12,463	12,463	1.00	3.45	12,040	12,040	1.00	3.69
32	20	13,794	13,518	0.98	3.37	13,492	13,222	0.98	3.53	13,129	12,866	0.98	3.77
32	22	14,702	12,643	0.86	3.45	14,399	12,383	0.86	3.65	14,036	12,071	0.86	3.89
34	16	11,979	11,979	1.00	3.21	11,616	11,616	1.00	3.39	11,253	11,253	1.00	3.59
34	18	12,826	12,826	1.00	3.27	12,463	12,463	1.00	3.45	12,040	12,040	1.00	3.69
34	20	13,794	13,794	1.00	3.37	13,492	13,492	1.00	3.53	13,129	13,129	1.00	3.77
34	22	14,702	13,819	0.94	3.45	14,399	13,535	0.94	3.65	14,036	13,194	0.94	3.89

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	10,769	7,969	0.74	3.85	10,285	7,611	0.74	4.13	9,801	7,253	0.74	4.47
20	18	11,616	7,202	0.62	3.95	11,253	6,977	0.62	4.25	10,527	6,527	0.62	4.57
20	20	12,584	6,292	0.50	4.05	12,100	6,050	0.50	4.33	11,374	5,687	0.50	4.65
22	16	10,769	8,831	0.82	3.85	10,285	8,434	0.82	4.13	9,801	8,037	0.82	4.47
22	18	11,616	8,131	0.70	3.95	11,253	7,877	0.70	4.25	10,527	7,369	0.70	4.57
22	20	12,584	7,299	0.58	4.05	12,100	7,018	0.58	4.33	11,374	6,597	0.58	4.65
24	16	10,769	9,692	0.90	3.85	10,285	9,257	0.90	4.13	9,801	8,821	0.90	4.47
24	18	11,616	9,060	0.78	3.95	11,253	8,777	0.78	4.25	10,527	8,211	0.78	4.57
24	20	12,584	8,305	0.66	4.05	12,100	7,986	0.66	4.33	11,374	7,507	0.66	4.65
24	22	13,552	7,318	0.54	4.13	13,068	7,057	0.54	4.45	12,342	6,665	0.54	4.73
26	16	10,769	10,554	0.98	3.85	10,285	10,079	0.98	4.13	9,801	9,605	0.98	4.47
26	18	11,616	9,990	0.86	3.95	11,253	9,678	0.86	4.25	10,527	9,053	0.86	4.57
26	20	12,584	9,312	0.74	4.05	12,100	8,954	0.74	4.33	11,374	8,417	0.74	4.65
26	22	13,552	8,402	0.62	4.13	13,068	8,102	0.62	4.45	12,342	7,652	0.62	4.73
27	16	10,769	10,769	1.00	3.85	10,285	10,285	1.00	4.13	9,801	9,801	1.00	4.47
27	18	11,616	10,454	0.90	3.95	11,253	10,128	0.90	4.25	10,527	9,474	0.90	4.57
27	20	12,584	9,816	0.78	4.05	12,100	9,438	0.78	4.33	11,374	8,872	0.78	4.65
27	22	13,552	8,944	0.66	4.13	13,068	8,625	0.66	4.45	12,342	8,146	0.66	4.73
28	16	10,769	10,769	1.00	3.85	10,285	10,285	1.00	4.13	9,801	9,801	1.00	4.47
28	18	11,616	10,919	0.94	3.95	11,253	10,578	0.94	4.25	10,527	9,895	0.94	4.57
28	20	12,584	10,319	0.82	4.05	12,100	9,922	0.82	4.33	11,374	9,327	0.82	4.65
28	22	13,552	9,486	0.70	4.13	13,068	9,148	0.70	4.45	12,342	8,639	0.70	4.73
30	16	10,769	10,769	1.00	3.85	10,285	10,285	1.00	4.13	9,801	9,801	1.00	4.47
30	18	11,616	11,616	1.00	3.95	11,253	11,253	1.00	4.25	10,527	10,527	1.00	4.57
30	20	12,584	11,326	0.90	4.05	12,100	10,890	0.90	4.33	11,374	10,237	0.90	4.65
30	22	13,552	10,571	0.78	4.13	13,068	10,193	0.78	4.45	12,342	9,627	0.78	4.73
32	16	10,769	10,769	1.00	3.85	10,285	10,285	1.00	4.13	9,801	9,801	1.00	4.47
32	18	11,616	11,616	1.00	3.95	11,253	11,253	1.00	4.25	10,527	10,527	1.00	4.57
32	20	12,584	12,332	0.98	4.05	12,100	11,858	0.98	4.33	11,374	11,147	0.98	4.65
32	22	13,552	11,655	0.86	4.13	13,068	11,238	0.86	4.45	12,342	10,614	0.86	4.73
34	16	10,769	10,769	1.00	3.85	10,285	10,285	1.00	4.13	9,801	9,801	1.00	4.47
34	18	11,616	11,616	1.00	3.95	11,253	11,253	1.00	4.25	10,527	10,527	1.00	4.57
34	20	12,584	12,584	1.00	4.05	12,100	12,100	1.00	4.33	11,374	11,374	1.00	4.65
34	22	13,552	12,739	0.94	4.13	13,068	12,284	0.94	4.45	12,342	11,601	0.94	4.73

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M140JA / PUZ-M140VKA PUZ-M140YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,266	9,817	0.74	3.81	12,864	9,519	0.74	4.02	12,462	9,222	0.74	4.26
20	18	14,204	8,806	0.62	3.88	13,802	8,557	0.62	4.09	13,333	8,266	0.62	4.38
20	20	15,276	7,638	0.50	4.00	14,941	7,471	0.50	4.19	14,539	7,270	0.50	4.47
22	16	13,266	10,878	0.82	3.81	12,864	10,548	0.82	4.02	12,462	10,219	0.82	4.26
22	18	14,204	9,943	0.70	3.88	13,802	9,661	0.70	4.09	13,333	9,333	0.70	4.38
22	20	15,276	8,860	0.58	4.00	14,941	8,666	0.58	4.19	14,539	8,433	0.58	4.47
24	16	13,266	11,939	0.90	3.81	12,864	11,578	0.90	4.02	12,462	11,216	0.90	4.26
24	18	14,204	11,079	0.78	3.88	13,802	10,766	0.78	4.09	13,333	10,400	0.78	4.38
24	20	15,276	10,082	0.66	4.00	14,941	9,861	0.66	4.19	14,539	9,596	0.66	4.47
24	22	16,281	8,792	0.54	4.09	15,946	8,611	0.54	4.33	15,544	8,394	0.54	4.62
26	16	13,266	13,001	0.98	3.81	12,864	12,607	0.98	4.02	12,462	12,213	0.98	4.26
26	18	14,204	12,215	0.86	3.88	13,802	11,870	0.86	4.09	13,333	11,466	0.86	4.38
26	20	15,276	11,304	0.74	4.00	14,941	11,056	0.74	4.19	14,539	10,759	0.74	4.47
26	22	16,281	10,094	0.62	4.09	15,946	9,887	0.62	4.33	15,544	9,637	0.62	4.62
27	16	13,266	13,266	1.00	3.81	12,864	12,864	1.00	4.02	12,462	12,462	1.00	4.26
27	18	14,204	12,784	0.90	3.88	13,802	12,422	0.90	4.09	13,333	12,000	0.90	4.38
27	20	15,276	11,915	0.78	4.00	14,941	11,654	0.78	4.19	14,539	11,340	0.78	4.47
27	22	16,281	10,745	0.66	4.09	15,946	10,524	0.66	4.33	15,544	10,259	0.66	4.62
28	16	13,266	13,266	1.00	3.81	12,864	12,864	1.00	4.02	12,462	12,462	1.00	4.26
28	18	14,204	13,352	0.94	3.88	13,802	12,974	0.94	4.09	13,333	12,533	0.94	4.38
28	20	15,276	12,526	0.82	4.00	14,941	12,252	0.82	4.19	14,539	11,922	0.82	4.47
28	22	16,281	11,397	0.70	4.09	15,946	11,162	0.70	4.33	15,544	10,881	0.70	4.62
30	16	13,266	13,266	1.00	3.81	12,864	12,864	1.00	4.02	12,462	12,462	1.00	4.26
30	18	14,204	14,204	1.00	3.88	13,802	13,802	1.00	4.09	13,333	13,333	1.00	4.38
30	20	15,276	13,748	0.90	4.00	14,941	13,447	0.90	4.19	14,539	13,085	0.90	4.47
30	22	16,281	12,699	0.78	4.09	15,946	12,438	0.78	4.33	15,544	12,124	0.78	4.62
32	16	13,266	13,266	1.00	3.81	12,864	12,864	1.00	4.02	12,462	12,462	1.00	4.26
32	18	14,204	14,204	1.00	3.88	13,802	13,802	1.00	4.09	13,333	13,333	1.00	4.38
32	20	15,276	14,970	0.98	4.00	14,941	14,642	0.98	4.19	14,539	14,248	0.98	4.47
32	22	16,281	14,002	0.86	4.09	15,946	13,714	0.86	4.33	15,544	13,368	0.86	4.62
34	16	13,266	13,266	1.00	3.81	12,864	12,864	1.00	4.02	12,462	12,462	1.00	4.26
34	18	14,204	14,204	1.00	3.88	13,802	13,802	1.00	4.09	13,333	13,333	1.00	4.38
34	20	15,276	15,276	1.00	4.00	14,941	14,941	1.00	4.19	14,539	14,539	1.00	4.47
34	22	16,281	15,304	0.94	4.09	15,946	14,989	0.94	4.33	15,544	14,611	0.94	4.62

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,926	8,825	0.74	4.57	11,390	8,429	0.74	4.90	10,854	8,032	0.74	5.31
20	18	12,864	7,976	0.62	4.69	12,462	7,726	0.62	5.05	11,658	7,228	0.62	5.43
20	20	13,936	6,968	0.50	4.81	13,400	6,700	0.50	5.14	12,596	6,298	0.50	5.52
22	16	11,926	9,779	0.82	4.57	11,390	9,340	0.82	4.90	10,854	8,900	0.82	5.31
22	18	12,864	9,005	0.70	4.69	12,462	8,723	0.70	5.05	11,658	8,161	0.70	5.43
22	20	13,936	8,083	0.58	4.81	13,400	7,772	0.58	5.14	12,596	7,306	0.58	5.52
24	16	11,926	10,733	0.90	4.57	11,390	10,251	0.90	4.90	10,854	9,769	0.90	5.31
24	18	12,864	10,034	0.78	4.69	12,462	9,720	0.78	5.05	11,658	9,093	0.78	5.43
24	20	13,936	9,198	0.66	4.81	13,400	8,844	0.66	5.14	12,596	8,313	0.66	5.52
24	22	15,008	8,104	0.54	4.90	14,472	7,815	0.54	5.28	13,668	7,381	0.54	5.62
26	16	11,926	11,687	0.98	4.57	11,390	11,162	0.98	4.90	10,854	10,637	0.98	5.31
26	18	12,864	11,063	0.86	4.69	12,462	10,717	0.86	5.05	11,658	10,026	0.86	5.43
26	20	13,936	10,313	0.74	4.81	13,400	9,916	0.74	5.14	12,596	9,321	0.74	5.52
26	22	15,008	9,305	0.62	4.90	14,472	8,973	0.62	5.28	13,668	8,474	0.62	5.62
27	16	11,926	11,926	1.00	4.57	11,390	11,390	1.00	4.90	10,854	10,854	1.00	5.31
27	18	12,864	11,578	0.90	4.69	12,462	11,216	0.90	5.05	11,658	10,492	0.90	5.43
27	20	13,936	10,870	0.78	4.81	13,400	10,452	0.78	5.14	12,596	9,825	0.78	5.52
27	22	15,008	9,905	0.66	4.90	14,472	9,552	0.66	5.28	13,668	9,021	0.66	5.62
28	16	11,926	11,926	1.00	4.57	11,390	11,390	1.00	4.90	10,854	10,854	1.00	5.31
28	18	12,864	12,092	0.94	4.69	12,462	11,714	0.94	5.05	11,658	10,959	0.94	5.43
28	20	13,936	11,428	0.82	4.81	13,400	10,988	0.82	5.14	12,596	10,329	0.82	5.52
28	22	15,008	10,506	0.70	4.90	14,472	10,130	0.70	5.28	13,668	9,568	0.70	5.62
30	16	11,926	11,926	1.00	4.57	11,390	11,390	1.00	4.90	10,854	10,854	1.00	5.31
30	18	12,864	12,864	1.00	4.69	12,462	12,462	1.00	5.05	11,658	11,658	1.00	5.43
30	20	13,936	12,542	0.90	4.81	13,400	12,060	0.90	5.14	12,596	11,336	0.90	5.52
30	22	15,008	11,706	0.78	4.90	14,472	11,288	0.78	5.28	13,668	10,661	0.78	5.62
32	16	11,926	11,926	1.00	4.57	11,390	11,390	1.00	4.90	10,854	10,854	1.00	5.31
32	18	12,864	12,864	1.00	4.69	12,462	12,462	1.00	5.05	11,658	11,658	1.00	5.43
32	20	13,936	13,657	0.98	4.81	13,400	13,132	0.98	5.14	12,596	12,344	0.98	5.52
32	22	15,008	12,907	0.86	4.90	14,472	12,446	0.86	5.28	13,668	11,754	0.86	5.62
34	16	11,926	11,926	1.00	4.57	11,390	11,390	1.00	4.90	10,854	10,854	1.00	5.31
34	18	12,864	12,864	1.00	4.69	12,462	12,462	1.00	5.05	11,658	11,658	1.00	5.43
34	20	13,936	13,936	1.00	4.81	13,400	13,400	1.00	5.14	12,596	12,596	1.00	5.52
34	22	15,008	14,108	0.94	4.90	14,472	13,604	0.94	5.28	13,668	12,848	0.94	5.62

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PEAD-M100JAL / PUZ-M100VKA PUZ-M100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	6,772	0.72	2.28	9,120	6,566	0.72	2.41	8,835	6,361	0.72	2.55
20	18	10,070	6,042	0.60	2.32	9,785	5,871	0.60	2.45	9,453	5,672	0.60	2.62
20	20	10,830	5,198	0.48	2.39	10,593	5,084	0.48	2.51	10,308	4,948	0.48	2.68
22	16	9,405	7,524	0.80	2.28	9,120	7,296	0.80	2.41	8,835	7,068	0.80	2.55
22	18	10,070	6,848	0.68	2.32	9,785	6,654	0.68	2.45	9,453	6,428	0.68	2.62
22	20	10,830	6,065	0.56	2.39	10,593	5,932	0.56	2.51	10,308	5,772	0.56	2.68
24	16	9,405	8,276	0.88	2.28	9,120	8,026	0.88	2.41	8,835	7,775	0.88	2.55
24	18	10,070	7,653	0.76	2.32	9,785	7,437	0.76	2.45	9,453	7,184	0.76	2.62
24	20	10,830	6,931	0.64	2.39	10,593	6,779	0.64	2.51	10,308	6,597	0.64	2.68
24	22	11,543	6,002	0.52	2.45	11,305	5,879	0.52	2.59	11,020	5,730	0.52	2.76
26	16	9,405	9,029	0.96	2.28	9,120	8,755	0.96	2.41	8,835	8,482	0.96	2.55
26	18	10,070	8,459	0.84	2.32	9,785	8,219	0.84	2.45	9,453	7,940	0.84	2.62
26	20	10,830	7,798	0.72	2.39	10,593	7,627	0.72	2.51	10,308	7,421	0.72	2.68
26	22	11,543	6,926	0.60	2.45	11,305	6,783	0.60	2.59	11,020	6,612	0.60	2.76
27	16	9,405	9,405	1.00	2.28	9,120	9,120	1.00	2.41	8,835	8,835	1.00	2.55
27	18	10,070	8,862	0.88	2.32	9,785	8,611	0.88	2.45	9,453	8,318	0.88	2.62
27	20	10,830	8,231	0.76	2.39	10,593	8,050	0.76	2.51	10,308	7,834	0.76	2.68
27	22	11,543	7,387	0.64	2.45	11,305	7,235	0.64	2.59	11,020	7,053	0.64	2.76
28	16	9,405	9,405	1.00	2.28	9,120	9,120	1.00	2.41	8,835	8,835	1.00	2.55
28	18	10,070	9,264	0.92	2.32	9,785	9,002	0.92	2.45	9,453	8,696	0.92	2.62
28	20	10,830	8,664	0.80	2.39	10,593	8,474	0.80	2.51	10,308	8,246	0.80	2.68
28	22	11,543	7,849	0.68	2.45	11,305	7,687	0.68	2.59	11,020	7,494	0.68	2.76
30	16	9,405	9,405	1.00	2.28	9,120	9,120	1.00	2.41	8,835	8,835	1.00	2.55
30	18	10,070	10,070	1.00	2.32	9,785	9,785	1.00	2.45	9,453	9,453	1.00	2.62
30	20	10,830	9,530	0.88	2.39	10,593	9,321	0.88	2.51	10,308	9,071	0.88	2.68
30	22	11,543	8,772	0.76	2.45	11,305	8,592	0.76	2.59	11,020	8,375	0.76	2.76
32	16	9,405	9,405	1.00	2.28	9,120	9,120	1.00	2.41	8,835	8,835	1.00	2.55
32	18	10,070	10,070	1.00	2.32	9,785	9,785	1.00	2.45	9,453	9,453	1.00	2.62
32	20	10,830	10,397	0.96	2.39	10,593	10,169	0.96	2.51	10,308	9,895	0.96	2.68
32	22	11,543	9,696	0.84	2.45	11,305	9,496	0.84	2.59	11,020	9,257	0.84	2.76
34	16	9,405	9,405	1.00	2.28	9,120	9,120	1.00	2.41	8,835	8,835	1.00	2.55
34	18	10,070	10,070	1.00	2.32	9,785	9,785	1.00	2.45	9,453	9,453	1.00	2.62
34	20	10,830	10,830	1.00	2.39	10,593	10,593	1.00	2.51	10,308	10,308	1.00	2.68
34	22	11,543	10,619	0.92	2.45	11,305	10,401	0.92	2.59	11,020	10,138	0.92	2.76

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	6,088	0.72	2.74	8,075	5,814	0.72	2.94	7,695	5,540	0.72	3.18
20	18	9,120	5,472	0.60	2.81	8,835	5,301	0.60	3.02	8,265	4,959	0.60	3.25
20	20	9,880	4,742	0.48	2.88	9,500	4,560	0.48	3.08	8,930	4,286	0.48	3.31
22	16	8,455	6,764	0.80	2.74	8,075	6,460	0.80	2.94	7,695	6,156	0.80	3.18
22	18	9,120	6,202	0.68	2.81	8,835	6,008	0.68	3.02	8,265	5,620	0.68	3.25
22	20	9,880	5,533	0.56	2.88	9,500	5,320	0.56	3.08	8,930	5,001	0.56	3.31
24	16	8,455	7,440	0.88	2.74	8,075	7,106	0.88	2.94	7,695	6,772	0.88	3.18
24	18	9,120	6,931	0.76	2.81	8,835	6,715	0.76	3.02	8,265	6,281	0.76	3.25
24	20	9,880	6,323	0.64	2.88	9,500	6,080	0.64	3.08	8,930	5,715	0.64	3.31
24	22	10,640	5,533	0.52	2.94	10,260	5,335	0.52	3.16	9,690	5,039	0.52	3.36
26	16	8,455	8,117	0.96	2.74	8,075	7,752	0.96	2.94	7,695	7,387	0.96	3.18
26	18	9,120	7,661	0.84	2.81	8,835	7,421	0.84	3.02	8,265	6,943	0.84	3.25
26	20	9,880	7,114	0.72	2.88	9,500	6,840	0.72	3.08	8,930	6,430	0.72	3.31
26	22	10,640	6,384	0.60	2.94	10,260	6,156	0.60	3.16	9,690	5,814	0.60	3.36
27	16	8,455	8,455	1.00	2.74	8,075	8,075	1.00	2.94	7,695	7,695	1.00	3.18
27	18	9,120	8,026	0.88	2.81	8,835	7,775	0.88	3.02	8,265	7,273	0.88	3.25
27	20	9,880	7,509	0.76	2.88	9,500	7,220	0.76	3.08	8,930	6,787	0.76	3.31
27	22	10,640	6,810	0.64	2.94	10,260	6,566	0.64	3.16	9,690	6,202	0.64	3.36
28	16	8,455	8,455	1.00	2.74	8,075	8,075	1.00	2.94	7,695	7,695	1.00	3.18
28	18	9,120	8,390	0.92	2.81	8,835	8,128	0.92	3.02	8,265	7,604	0.92	3.25
28	20	9,880	7,904	0.80	2.88	9,500	7,600	0.80	3.08	8,930	7,144	0.80	3.31
28	22	10,640	7,235	0.68	2.94	10,260	6,977	0.68	3.16	9,690	6,589	0.68	3.36
30	16	8,455	8,455	1.00	2.74	8,075	8,075	1.00	2.94	7,695	7,695	1.00	3.18
30	18	9,120	9,120	1.00	2.81	8,835	8,835	1.00	3.02	8,265	8,265	1.00	3.25
30	20	9,880	8,694	0.88	2.88	9,500	8,360	0.88	3.08	8,930	7,858	0.88	3.31
30	22	10,640	8,086	0.76	2.94	10,260	7,798	0.76	3.16	9,690	7,364	0.76	3.36
32	16	8,455	8,455	1.00	2.74	8,075	8,075	1.00	2.94	7,695	7,695	1.00	3.18
32	18	9,120	9,120	1.00	2.81	8,835	8,835	1.00	3.02	8,265	8,265	1.00	3.25
32	20	9,880	9,485	0.96	2.88	9,500	9,120	0.96	3.08	8,930	8,573	0.96	3.31
32	22	10,640	8,938	0.84	2.94	10,260	8,618	0.84	3.16	9,690	8,140	0.84	3.36
34	16	8,455	8,455	1.00	2.74	8,075	8,075	1.00	2.94	7,695	7,695	1.00	3.18
34	18	9,120	9,120	1.00	2.81	8,835	8,835	1.00	3.02	8,265	8,265	1.00	3.25
34	20	9,880	9,880	1.00	2.88	9,500	9,500	1.00	3.08	8,930	8,930	1.00	3.31
34	22	10,640	9,789	0.92	2.94	10,260	9,439	0.92	3.16	9,690	8,915	0.92	3.36

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PEAD-M125JAL / PUZ-M125VKA PUZ-M125YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	11,979	8,864	0.74	3.19	11,616	8,596	0.74	3.37	11,253	8,327	0.74	3.57
20	18	12,826	7,952	0.62	3.25	12,463	7,727	0.62	3.43	12,040	7,464	0.62	3.67
20	20	13,794	6,897	0.50	3.35	13,492	6,746	0.50	3.51	13,129	6,564	0.50	3.75
22	16	11,979	9,823	0.82	3.19	11,616	9,525	0.82	3.37	11,253	9,227	0.82	3.57
22	18	12,826	8,978	0.70	3.25	12,463	8,724	0.70	3.43	12,040	8,428	0.70	3.67
22	20	13,794	8,001	0.58	3.35	13,492	7,825	0.58	3.51	13,129	7,615	0.58	3.75
24	16	11,979	10,781	0.90	3.19	11,616	10,454	0.90	3.37	11,253	10,128	0.90	3.57
24	18	12,826	10,004	0.78	3.25	12,463	9,721	0.78	3.43	12,040	9,391	0.78	3.67
24	20	13,794	9,104	0.66	3.35	13,492	8,904	0.66	3.51	13,129	8,665	0.66	3.75
24	22	14,702	7,939	0.54	3.43	14,399	7,775	0.54	3.63	14,036	7,579	0.54	3.87
26	16	11,979	11,739	0.98	3.19	11,616	11,384	0.98	3.37	11,253	11,028	0.98	3.57
26	18	12,826	11,030	0.86	3.25	12,463	10,718	0.86	3.43	12,040	10,354	0.86	3.67
26	20	13,794	10,208	0.74	3.35	13,492	9,984	0.74	3.51	13,129	9,715	0.74	3.75
26	22	14,702	9,115	0.62	3.43	14,399	8,927	0.62	3.63	14,036	8,702	0.62	3.87
27	16	11,979	11,979	1.00	3.19	11,616	11,616	1.00	3.37	11,253	11,253	1.00	3.57
27	18	12,826	11,543	0.90	3.25	12,463	11,217	0.90	3.43	12,040	10,836	0.90	3.67
27	20	13,794	10,759	0.78	3.35	13,492	10,523	0.78	3.51	13,129	10,240	0.78	3.75
27	22	14,702	9,703	0.66	3.43	14,399	9,503	0.66	3.63	14,036	9,264	0.66	3.87
28	16	11,979	11,979	1.00	3.19	11,616	11,616	1.00	3.37	11,253	11,253	1.00	3.57
28	18	12,826	12,056	0.94	3.25	12,463	11,715	0.94	3.43	12,040	11,317	0.94	3.67
28	20	13,794	11,311	0.82	3.35	13,492	11,063	0.82	3.51	13,129	10,765	0.82	3.75
28	22	14,702	10,291	0.70	3.43	14,399	10,079	0.70	3.63	14,036	9,825	0.70	3.87
30	16	11,979	11,979	1.00	3.19	11,616	11,616	1.00	3.37	11,253	11,253	1.00	3.57
30	18	12,826	12,826	1.00	3.25	12,463	12,463	1.00	3.43	12,040	12,040	1.00	3.67
30	20	13,794	12,415	0.90	3.35	13,492	12,142	0.90	3.51	13,129	11,816	0.90	3.75
30	22	14,702	11,467	0.78	3.43	14,399	11,231	0.78	3.63	14,036	10,948	0.78	3.87
32	16	11,979	11,979	1.00	3.19	11,616	11,616	1.00	3.37	11,253	11,253	1.00	3.57
32	18	12,826	12,826	1.00	3.25	12,463	12,463	1.00	3.43	12,040	12,040	1.00	3.67
32	20	13,794	13,518	0.98	3.35	13,492	13,222	0.98	3.51	13,129	12,866	0.98	3.75
32	22	14,702	12,643	0.86	3.43	14,399	12,383	0.86	3.63	14,036	12,071	0.86	3.87
34	16	11,979	11,979	1.00	3.19	11,616	11,616	1.00	3.37	11,253	11,253	1.00	3.57
34	18	12,826	12,826	1.00	3.25	12,463	12,463	1.00	3.43	12,040	12,040	1.00	3.67
34	20	13,794	13,794	1.00	3.35	13,492	13,492	1.00	3.51	13,129	13,129	1.00	3.75
34	22	14,702	13,819	0.94	3.43	14,399	13,535	0.94	3.63	14,036	13,194	0.94	3.87

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	10,769	7,969	0.74	3.83	10,285	7,611	0.74	4.11	9,801	7,253	0.74	4.45
20	18	11,616	7,202	0.62	3.93	11,253	6,977	0.62	4.23	10,527	6,527	0.62	4.55
20	20	12,584	6,292	0.50	4.03	12,100	6,050	0.50	4.31	11,374	5,687	0.50	4.63
22	16	10,769	8,831	0.82	3.83	10,285	8,434	0.82	4.11	9,801	8,037	0.82	4.45
22	18	11,616	8,131	0.70	3.93	11,253	7,877	0.70	4.23	10,527	7,369	0.70	4.55
22	20	12,584	7,299	0.58	4.03	12,100	7,018	0.58	4.31	11,374	6,597	0.58	4.63
24	16	10,769	9,692	0.90	3.83	10,285	9,257	0.90	4.11	9,801	8,821	0.90	4.45
24	18	11,616	9,060	0.78	3.93	11,253	8,777	0.78	4.23	10,527	8,211	0.78	4.55
24	20	12,584	8,305	0.66	4.03	12,100	7,986	0.66	4.31	11,374	7,507	0.66	4.63
24	22	13,552	7,318	0.54	4.11	13,068	7,057	0.54	4.43	12,342	6,665	0.54	4.71
26	16	10,769	10,554	0.98	3.83	10,285	10,079	0.98	4.11	9,801	9,605	0.98	4.45
26	18	11,616	9,990	0.86	3.93	11,253	9,678	0.86	4.23	10,527	9,053	0.86	4.55
26	20	12,584	9,312	0.74	4.03	12,100	8,954	0.74	4.31	11,374	8,417	0.74	4.63
26	22	13,552	8,402	0.62	4.11	13,068	8,102	0.62	4.43	12,342	7,652	0.62	4.71
27	16	10,769	10,769	1.00	3.83	10,285	10,285	1.00	4.11	9,801	9,801	1.00	4.45
27	18	11,616	10,454	0.90	3.93	11,253	10,128	0.90	4.23	10,527	9,474	0.90	4.55
27	20	12,584	9,816	0.78	4.03	12,100	9,438	0.78	4.31	11,374	8,872	0.78	4.63
27	22	13,552	8,944	0.66	4.11	13,068	8,625	0.66	4.43	12,342	8,146	0.66	4.71
28	16	10,769	10,769	1.00	3.83	10,285	10,285	1.00	4.11	9,801	9,801	1.00	4.45
28	18	11,616	10,919	0.94	3.93	11,253	10,578	0.94	4.23	10,527	9,895	0.94	4.55
28	20	12,584	10,319	0.82	4.03	12,100	9,922	0.82	4.31	11,374	9,327	0.82	4.63
28	22	13,552	9,486	0.70	4.11	13,068	9,148	0.70	4.43	12,342	8,639	0.70	4.71
30	16	10,769	10,769	1.00	3.83	10,285	10,285	1.00	4.11	9,801	9,801	1.00	4.45
30	18	11,616	11,616	1.00	3.93	11,253	11,253	1.00	4.23	10,527	10,527	1.00	4.55
30	20	12,584	11,326	0.90	4.03	12,100	10,890	0.90	4.31	11,374	10,237	0.90	4.63
30	22	13,552	10,571	0.78	4.11	13,068	10,193	0.78	4.43	12,342	9,627	0.78	4.71
32	16	10,769	10,769	1.00	3.83	10,285	10,285	1.00	4.11	9,801	9,801	1.00	4.45
32	18	11,616	11,616	1.00	3.93	11,253	11,253	1.00	4.23	10,527	10,527	1.00	4.55
32	20	12,584	12,332	0.98	4.03	12,100	11,858	0.98	4.31	11,374	11,147	0.98	4.63
32	22	13,552	11,655	0.86	4.11	13,068	11,238	0.86	4.43	12,342	10,614	0.86	4.71
34	16	10,769	10,769	1.00	3.83	10,285	10,285	1.00	4.11	9,801	9,801	1.00	4.45
34	18	11,616	11,616	1.00	3.93	11,253	11,253	1.00	4.23	10,527	10,527	1.00	4.55
34	20	12,584	12,584	1.00	4.03	12,100	12,100	1.00	4.31	11,374	11,374	1.00	4.63
34	22	13,552	12,739	0.94	4.11	13,068	12,284	0.94	4.43	12,342	11,601	0.94	4.71

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M140JAL / PUZ-M140VKA PUZ-M140YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,266	9,817	0.74	3.79	12,864	9,519	0.74	4.01	12,462	9,222	0.74	4.24
20	18	14,204	8,806	0.62	3.86	13,802	8,557	0.62	4.08	13,333	8,266	0.62	4.36
20	20	15,276	7,638	0.50	3.98	14,941	7,471	0.50	4.17	14,539	7,270	0.50	4.46
22	16	13,266	10,878	0.82	3.79	12,864	10,548	0.82	4.01	12,462	10,219	0.82	4.24
22	18	14,204	9,943	0.70	3.86	13,802	9,661	0.70	4.08	13,333	9,333	0.70	4.36
22	20	15,276	8,860	0.58	3.98	14,941	8,666	0.58	4.17	14,539	8,433	0.58	4.46
24	16	13,266	11,939	0.90	3.79	12,864	11,578	0.90	4.01	12,462	11,216	0.90	4.24
24	18	14,204	11,079	0.78	3.86	13,802	10,766	0.78	4.08	13,333	10,400	0.78	4.36
24	20	15,276	10,082	0.66	3.98	14,941	9,861	0.66	4.17	14,539	9,596	0.66	4.46
24	22	16,281	8,792	0.54	4.08	15,946	8,611	0.54	4.31	15,544	8,394	0.54	4.60
26	16	13,266	13,001	0.98	3.79	12,864	12,607	0.98	4.01	12,462	12,213	0.98	4.24
26	18	14,204	12,215	0.86	3.86	13,802	11,870	0.86	4.08	13,333	11,466	0.86	4.36
26	20	15,276	11,304	0.74	3.98	14,941	11,056	0.74	4.17	14,539	10,759	0.74	4.46
26	22	16,281	10,094	0.62	4.08	15,946	9,887	0.62	4.31	15,544	9,637	0.62	4.60
27	16	13,266	13,266	1.00	3.79	12,864	12,864	1.00	4.01	12,462	12,462	1.00	4.24
27	18	14,204	12,784	0.90	3.86	13,802	12,422	0.90	4.08	13,333	12,000	0.90	4.36
27	20	15,276	11,915	0.78	3.98	14,941	11,654	0.78	4.17	14,539	11,340	0.78	4.46
27	22	16,281	10,745	0.66	4.08	15,946	10,524	0.66	4.31	15,544	10,259	0.66	4.60
28	16	13,266	13,266	1.00	3.79	12,864	12,864	1.00	4.01	12,462	12,462	1.00	4.24
28	18	14,204	13,352	0.94	3.86	13,802	12,974	0.94	4.08	13,333	12,533	0.94	4.36
28	20	15,276	12,526	0.82	3.98	14,941	12,252	0.82	4.17	14,539	11,922	0.82	4.46
28	22	16,281	11,397	0.70	4.08	15,946	11,162	0.70	4.31	15,544	10,881	0.70	4.60
30	16	13,266	13,266	1.00	3.79	12,864	12,864	1.00	4.01	12,462	12,462	1.00	4.24
30	18	14,204	14,204	1.00	3.86	13,802	13,802	1.00	4.08	13,333	13,333	1.00	4.36
30	20	15,276	13,748	0.90	3.98	14,941	13,447	0.90	4.17	14,539	13,085	0.90	4.46
30	22	16,281	12,699	0.78	4.08	15,946	12,438	0.78	4.31	15,544	12,124	0.78	4.60
32	16	13,266	13,266	1.00	3.79	12,864	12,864	1.00	4.01	12,462	12,462	1.00	4.24
32	18	14,204	14,204	1.00	3.86	13,802	13,802	1.00	4.08	13,333	13,333	1.00	4.36
32	20	15,276	14,970	0.98	3.98	14,941	14,642	0.98	4.17	14,539	14,248	0.98	4.46
32	22	16,281	14,002	0.86	4.08	15,946	13,714	0.86	4.31	15,544	13,368	0.86	4.60
34	16	13,266	13,266	1.00	3.79	12,864	12,864	1.00	4.01	12,462	12,462	1.00	4.24
34	18	14,204	14,204	1.00	3.86	13,802	13,802	1.00	4.08	13,333	13,333	1.00	4.36
34	20	15,276	15,276	1.00	3.98	14,941	14,941	1.00	4.17	14,539	14,539	1.00	4.46
34	22	16,281	15,304	0.94	4.08	15,946	14,989	0.94	4.31	15,544	14,611	0.94	4.60

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,926	8,825	0.74	4.55	11,390	8,429	0.74	4.88	10,854	8,032	0.74	5.29
20	18	12,864	7,976	0.62	4.67	12,462	7,726	0.62	5.02	11,658	7,228	0.62	5.40
20	20	13,936	6,968	0.50	4.79	13,400	6,700	0.50	5.12	12,596	6,298	0.50	5.50
22	16	11,926	9,779	0.82	4.55	11,390	9,340	0.82	4.88	10,854	8,900	0.82	5.29
22	18	12,864	9,005	0.70	4.67	12,462	8,723	0.70	5.02	11,658	8,161	0.70	5.40
22	20	13,936	8,083	0.58	4.79	13,400	7,772	0.58	5.12	12,596	7,306	0.58	5.50
24	16	11,926	10,733	0.90	4.55	11,390	10,251	0.90	4.88	10,854	9,769	0.90	5.29
24	18	12,864	10,034	0.78	4.67	12,462	9,720	0.78	5.02	11,658	9,093	0.78	5.40
24	20	13,936	9,198	0.66	4.79	13,400	8,844	0.66	5.12	12,596	8,313	0.66	5.50
24	22	15,008	8,104	0.54	4.88	14,472	7,815	0.54	5.26	13,668	7,381	0.54	5.59
26	16	11,926	11,687	0.98	4.55	11,390	11,162	0.98	4.88	10,854	10,637	0.98	5.29
26	18	12,864	11,063	0.86	4.67	12,462	10,717	0.86	5.02	11,658	10,026	0.86	5.40
26	20	13,936	10,313	0.74	4.79	13,400	9,916	0.74	5.12	12,596	9,321	0.74	5.50
26	22	15,008	9,305	0.62	4.88	14,472	8,973	0.62	5.26	13,668	8,474	0.62	5.59
27	16	11,926	11,926	1.00	4.55	11,390	11,390	1.00	4.88	10,854	10,854	1.00	5.29
27	18	12,864	11,578	0.90	4.67	12,462	11,216	0.90	5.02	11,658	10,492	0.90	5.40
27	20	13,936	10,870	0.78	4.79	13,400	10,452	0.78	5.12	12,596	9,825	0.78	5.50
27	22	15,008	9,905	0.66	4.88	14,472	9,552	0.66	5.26	13,668	9,021	0.66	5.59
28	16	11,926	11,926	1.00	4.55	11,390	11,390	1.00	4.88	10,854	10,854	1.00	5.29
28	18	12,864	12,092	0.94	4.67	12,462	11,714	0.94	5.02	11,658	10,959	0.94	5.40
28	20	13,936	11,428	0.82	4.79	13,400	10,988	0.82	5.12	12,596	10,329	0.82	5.50
28	22	15,008	10,506	0.70	4.88	14,472	10,130	0.70	5.26	13,668	9,568	0.70	5.59
30	16	11,926	11,926	1.00	4.55	11,390	11,390	1.00	4.88	10,854	10,854	1.00	5.29
30	18	12,864	12,864	1.00	4.67	12,462	12,462	1.00	5.02	11,658	11,658	1.00	5.40
30	20	13,936	12,542	0.90	4.79	13,400	12,060	0.90	5.12	12,596	11,336	0.90	5.50
30	22	15,008	11,706	0.78	4.88	14,472	11,288	0.78	5.26	13,668	10,661	0.78	5.59
32	16	11,926	11,926	1.00	4.55	11,390	11,390	1.00	4.88	10,854	10,854	1.00	5.29
32	18	12,864	12,864	1.00	4.67	12,462	12,462	1.00	5.02	11,658	11,658	1.00	5.40
32	20	13,936	13,657	0.98	4.79	13,400	13,132	0.98	5.12	12,596	12,344	0.98	5.50
32	22	15,008	12,907	0.86	4.88	14,472	12,446	0.86	5.26	13,668	11,754	0.86	5.59
34	16	11,926	11,926	1.00	4.55	11,390	11,390	1.00	4.88	10,854	10,854	1.00	5.29
34	18	12,864	12,864	1.00	4.67	12,462	12,462	1.00	5.02	11,658	11,658	1.00	5.40
34	20	13,936	13,936	1.00	4.79	13,400	13,400	1.00	5.12	12,596	12,596	1.00	5.50
34	22	15,008	14,108	0.94	4.88	14,472	13,604	0.94	5.26	13,668	12,848	0.94	5.59

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEA-M200LA / PUZ-M200YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	18,810	13,167	0.70	4.87	18,240	12,768	0.70	5.15	17,670	12,369	0.70	5.45
20	18	20,140	11,681	0.58	4.96	19,570	11,351	0.58	5.24	18,905	10,965	0.58	5.60
20	20	21,660	9,964	0.46	5.11	21,185	9,745	0.46	5.36	20,615	9,483	0.46	5.72
22	16	18,810	14,672	0.78	4.87	18,240	14,227	0.78	5.15	17,670	13,783	0.78	5.45
22	18	20,140	13,292	0.66	4.96	19,570	12,916	0.66	5.24	18,905	12,477	0.66	5.60
22	20	21,660	11,696	0.54	5.11	21,185	11,440	0.54	5.36	20,615	11,132	0.54	5.72
24	16	18,810	16,177	0.86	4.87	18,240	15,686	0.86	5.15	17,670	15,196	0.86	5.45
24	18	20,140	14,904	0.74	4.96	19,570	14,482	0.74	5.24	18,905	13,990	0.74	5.60
24	20	21,660	13,429	0.62	5.11	21,185	13,135	0.62	5.36	20,615	12,781	0.62	5.72
24	22	23,085	11,543	0.50	5.24	22,610	11,305	0.50	5.54	22,040	11,020	0.50	5.91
26	16	18,810	17,681	0.94	4.87	18,240	17,146	0.94	5.15	17,670	16,610	0.94	5.45
26	18	20,140	16,515	0.82	4.96	19,570	16,047	0.82	5.24	18,905	15,502	0.82	5.60
26	20	21,660	15,162	0.70	5.11	21,185	14,830	0.70	5.36	20,615	14,431	0.70	5.72
26	22	23,085	13,389	0.58	5.24	22,610	13,114	0.58	5.54	22,040	12,783	0.58	5.91
27	16	18,810	18,434	0.98	4.87	18,240	17,875	0.98	5.15	17,670	17,317	0.98	5.45
27	18	20,140	17,320	0.86	4.96	19,570	16,830	0.86	5.24	18,905	16,258	0.86	5.60
27	20	21,660	16,028	0.74	5.11	21,185	15,677	0.74	5.36	20,615	15,255	0.74	5.72
27	22	23,085	14,313	0.62	5.24	22,610	14,018	0.62	5.54	22,040	13,665	0.62	5.91
28	16	18,810	18,810	1.00	4.87	18,240	18,240	1.00	5.15	17,670	17,670	1.00	5.45
28	18	20,140	18,126	0.90	4.96	19,570	17,613	0.90	5.24	18,905	17,015	0.90	5.60
28	20	21,660	16,895	0.78	5.11	21,185	16,524	0.78	5.36	20,615	16,080	0.78	5.72
28	22	23,085	15,236	0.66	5.24	22,610	14,923	0.66	5.54	22,040	14,546	0.66	5.91
30	16	18,810	18,810	1.00	4.87	18,240	18,240	1.00	5.15	17,670	17,670	1.00	5.45
30	18	20,140	19,737	0.98	4.96	19,570	19,179	0.98	5.24	18,905	18,527	0.98	5.60
30	20	21,660	18,628	0.86	5.11	21,185	18,219	0.86	5.36	20,615	17,729	0.86	5.72
30	22	23,085	17,083	0.74	5.24	22,610	16,731	0.74	5.54	22,040	16,310	0.74	5.91
32	16	18,810	18,810	1.00	4.87	18,240	18,240	1.00	5.15	17,670	17,670	1.00	5.45
32	18	20,140	20,140	1.00	4.96	19,570	19,570	1.00	5.24	18,905	18,905	1.00	5.60
32	20	21,660	20,360	0.94	5.11	21,185	19,914	0.94	5.36	20,615	19,378	0.94	5.72
32	22	23,085	18,930	0.82	5.24	22,610	18,540	0.82	5.54	22,040	18,073	0.82	5.91
34	16	18,810	18,810	1.00	4.87	18,240	18,240	1.00	5.15	17,670	17,670	1.00	5.45
34	18	20,140	20,140	1.00	4.96	19,570	19,570	1.00	5.24	18,905	18,905	1.00	5.60
34	20	21,660	21,660	1.00	5.11	21,185	21,185	1.00	5.36	20,615	20,615	1.00	5.72
34	22	23,085	20,777	0.90	5.24	22,610	20,349	0.90	5.54	22,040	19,836	0.90	5.91

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	16,910	11,837	0.70	5.85	16,150	11,305	0.70	6.27	15,390	10,773	0.70	6.79
20	18	18,240	10,579	0.58	6.00	17,670	10,249	0.58	6.45	16,530	9,587	0.58	6.94
20	20	19,760	9,090	0.46	6.15	19,000	8,740	0.46	6.58	17,860	8,216	0.46	7.06
22	16	16,910	13,190	0.78	5.85	16,150	12,597	0.78	6.27	15,390	12,004	0.78	6.79
22	18	18,240	12,038	0.66	6.00	17,670	11,662	0.66	6.45	16,530	10,910	0.66	6.94
22	20	19,760	10,670	0.54	6.15	19,000	10,260	0.54	6.58	17,860	9,644	0.54	7.06
24	16	16,910	14,543	0.86	5.85	16,150	13,889	0.86	6.27	15,390	13,235	0.86	6.79
24	18	18,240	13,498	0.74	6.00	17,670	13,076	0.74	6.45	16,530	12,232	0.74	6.94
24	20	19,760	12,251	0.62	6.15	19,000	11,780	0.62	6.58	17,860	11,073	0.62	7.06
24	22	21,280	10,640	0.50	6.27	20,520	10,260	0.50	6.76	19,380	9,690	0.50	7.19
26	16	16,910	15,895	0.94	5.85	16,150	15,181	0.94	6.27	15,390	14,467	0.94	6.79
26	18	18,240	14,957	0.82	6.00	17,670	14,489	0.82	6.45	16,530	13,555	0.82	6.94
26	20	19,760	13,832	0.70	6.15	19,000	13,300	0.70	6.58	17,860	12,502	0.70	7.06
26	22	21,280	12,342	0.58	6.27	20,520	11,902	0.58	6.76	19,380	11,240	0.58	7.19
27	16	16,910	16,572	0.98	5.85	16,150	15,827	0.98	6.27	15,390	15,082	0.98	6.79
27	18	18,240	15,686	0.86	6.00	17,670	15,196	0.86	6.45	16,530	14,216	0.86	6.94
27	20	19,760	14,622	0.74	6.15	19,000	14,060	0.74	6.58	17,860	13,216	0.74	7.06
27	22	21,280	13,194	0.62	6.27	20,520	12,722	0.62	6.76	19,380	12,016	0.62	7.19
28	16	16,910	16,910	1.00	5.85	16,150	16,150	1.00	6.27	15,390	15,390	1.00	6.79
28	18	18,240	16,416	0.90	6.00	17,670	15,903	0.90	6.45	16,530	14,877	0.90	6.94
28	20	19,760	15,413	0.78	6.15	19,000	14,820	0.78	6.58	17,860	13,931	0.78	7.06
28	22	21,280	14,045	0.66	6.27	20,520	13,543	0.66	6.76	19,380	12,791	0.66	7.19
30	16	16,910	16,910	1.00	5.85	16,150	16,150	1.00	6.27	15,390	15,390	1.00	6.79
30	18	18,240	17,875	0.98	6.00	17,670	17,317	0.98	6.45	16,530	16,199	0.98	6.94
30	20	19,760	16,994	0.86	6.15	19,000	16,340	0.86	6.58	17,860	15,360	0.86	7.06
30	22	21,280	15,747	0.74	6.27	20,520	15,185	0.74	6.76	19,380	14,341	0.74	7.19
32	16	16,910	16,910	1.00	5.85	16,150	16,150	1.00	6.27	15,390	15,390	1.00	6.79
32	18	18,240	18,240	1.00	6.00	17,670	17,670	1.00	6.45	16,530	16,530	1.00	6.94
32	20	19,760	18,574	0.94	6.15	19,000	17,860	0.94	6.58	17,860	16,788	0.94	7.06
32	22	21,280	17,450	0.82	6.27	20,520	16,826	0.82	6.76	19,380	15,892	0.82	7.19
34	16	16,910	16,910	1.00	5.85	16,150	16,150	1.00	6.27	15,390	15,390	1.00	6.79
34	18	18,240	18,240	1.00	6.00	17,670	17,670	1.00	6.45	16,530	16,530	1.00	6.94
34	20	19,760	19,760	1.00	6.15	19,000	19,000	1.00	6.58	17,860	17,860	1.00	7.06
34	22	21,280	19,152	0.90	6.27	20,520	18,468	0.90	6.76	19,380	17,442	0.90	7.19

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEA-M250LA / PUZ-M250YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	21,780	15,028	0.69	5.87	21,120	14,573	0.69	6.20	20,460	14,117	0.69	6.56
20	18	23,320	13,292	0.57	5.98	22,660	12,916	0.57	6.31	21,890	12,477	0.57	6.75
20	20	25,080	11,286	0.45	6.16	24,530	11,039	0.45	6.45	23,870	10,742	0.45	6.89
22	16	21,780	16,771	0.77	5.87	21,120	16,262	0.77	6.20	20,460	15,754	0.77	6.56
22	18	23,320	15,158	0.65	5.98	22,660	14,729	0.65	6.31	21,890	14,229	0.65	6.75
22	20	25,080	13,292	0.53	6.16	24,530	13,001	0.53	6.45	23,870	12,651	0.53	6.89
24	16	21,780	18,513	0.85	5.87	21,120	17,952	0.85	6.20	20,460	17,391	0.85	6.56
24	18	23,320	17,024	0.73	5.98	22,660	16,542	0.73	6.31	21,890	15,980	0.73	6.75
24	20	25,080	15,299	0.61	6.16	24,530	14,963	0.61	6.45	23,870	14,561	0.61	6.89
24	22	26,730	13,098	0.49	6.31	26,180	12,828	0.49	6.67	25,520	12,505	0.49	7.11
26	16	21,780	20,255	0.93	5.87	21,120	19,642	0.93	6.20	20,460	19,028	0.93	6.56
26	18	23,320	18,889	0.81	5.98	22,660	18,355	0.81	6.31	21,890	17,731	0.81	6.75
26	20	25,080	17,305	0.69	6.16	24,530	16,926	0.69	6.45	23,870	16,470	0.69	6.89
26	22	26,730	15,236	0.57	6.31	26,180	14,923	0.57	6.67	25,520	14,546	0.57	7.11
27	16	21,780	21,127	0.97	5.87	21,120	20,486	0.97	6.20	20,460	19,846	0.97	6.56
27	18	23,320	19,822	0.85	5.98	22,660	19,261	0.85	6.31	21,890	18,607	0.85	6.75
27	20	25,080	18,308	0.73	6.16	24,530	17,907	0.73	6.45	23,870	17,425	0.73	6.89
27	22	26,730	16,305	0.61	6.31	26,180	15,970	0.61	6.67	25,520	15,567	0.61	7.11
28	16	21,780	21,780	1.00	5.87	21,120	21,120	1.00	6.20	20,460	20,460	1.00	6.56
28	18	23,320	20,755	0.89	5.98	22,660	20,167	0.89	6.31	21,890	19,482	0.89	6.75
28	20	25,080	19,312	0.77	6.16	24,530	18,888	0.77	6.45	23,870	18,380	0.77	6.89
28	22	26,730	17,375	0.65	6.31	26,180	17,017	0.65	6.67	25,520	16,588	0.65	7.11
30	16	21,780	21,780	1.00	5.87	21,120	21,120	1.00	6.20	20,460	20,460	1.00	6.56
30	18	23,320	22,620	0.97	5.98	22,660	21,980	0.97	6.31	21,890	21,233	0.97	6.75
30	20	25,080	21,318	0.85	6.16	24,530	20,851	0.85	6.45	23,870	20,290	0.85	6.89
30	22	26,730	19,513	0.73	6.31	26,180	19,111	0.73	6.67	25,520	18,630	0.73	7.11
32	16	21,780	21,780	1.00	5.87	21,120	21,120	1.00	6.20	20,460	20,460	1.00	6.56
32	18	23,320	23,320	1.00	5.98	22,660	22,660	1.00	6.31	21,890	21,890	1.00	6.75
32	20	25,080	23,324	0.93	6.16	24,530	22,813	0.93	6.45	23,870	22,199	0.93	6.89
32	22	26,730	21,651	0.81	6.31	26,180	21,206	0.81	6.67	25,520	20,671	0.81	7.11
34	16	21,780	21,780	1.00	5.87	21,120	21,120	1.00	6.20	20,460	20,460	1.00	6.56
34	18	23,320	23,320	1.00	5.98	22,660	22,660	1.00	6.31	21,890	21,890	1.00	6.75
34	20	25,080	25,080	1.00	6.16	24,530	24,530	1.00	6.45	23,870	23,870	1.00	6.89
34	22	26,730	23,790	0.89	6.31	26,180	23,300	0.89	6.67	25,520	22,713	0.89	7.11

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	19,580	13,510	0.69	7.04	18,700	12,903	0.69	7.55	17,820	12,296	0.69	8.18
20	18	21,120	12,038	0.57	7.22	20,460	11,662	0.57	7.77	19,140	10,910	0.57	8.36
20	20	22,880	10,296	0.45	7.41	22,000	9,900	0.45	7.92	20,680	9,306	0.45	8.51
22	16	19,580	15,077	0.77	7.04	18,700	14,399	0.77	7.55	17,820	13,721	0.77	8.18
22	18	21,120	13,728	0.65	7.22	20,460	13,299	0.65	7.77	19,140	12,441	0.65	8.36
22	20	22,880	12,126	0.53	7.41	22,000	11,660	0.53	7.92	20,680	10,960	0.53	8.51
24	16	19,580	16,643	0.85	7.04	18,700	15,895	0.85	7.55	17,820	15,147	0.85	8.18
24	18	21,120	15,418	0.73	7.22	20,460	14,936	0.73	7.77	19,140	13,972	0.73	8.36
24	20	22,880	13,957	0.61	7.41	22,000	13,420	0.61	7.92	20,680	12,615	0.61	8.51
24	22	24,640	12,074	0.49	7.55	23,760	11,642	0.49	8.14	22,440	10,996	0.49	8.65
26	16	19,580	18,209	0.93	7.04	18,700	17,391	0.93	7.55	17,820	16,573	0.93	8.18
26	18	21,120	17,107	0.81	7.22	20,460	16,573	0.81	7.77	19,140	15,503	0.81	8.36
26	20	22,880	15,787	0.69	7.41	22,000	15,180	0.69	7.92	20,680	14,269	0.69	8.51
26	22	24,640	14,045	0.57	7.55	23,760	13,543	0.57	8.14	22,440	12,791	0.57	8.65
27	16	19,580	18,993	0.97	7.04	18,700	18,139	0.97	7.55	17,820	17,285	0.97	8.18
27	18	21,120	17,952	0.85	7.22	20,460	17,391	0.85	7.77	19,140	16,269	0.85	8.36
27	20	22,880	16,702	0.73	7.41	22,000	16,060	0.73	7.92	20,680	15,096	0.73	8.51
27	22	24,640	15,030	0.61	7.55	23,760	14,494	0.61	8.14	22,440	13,688	0.61	8.65
28	16	19,580	19,580	1.00	7.04	18,700	18,700	1.00	7.55	17,820	17,820	1.00	8.18
28	18	21,120	18,797	0.89	7.22	20,460	18,209	0.89	7.77	19,140	17,035	0.89	8.36
28	20	22,880	17,618	0.77	7.41	22,000	16,940	0.77	7.92	20,680	15,924	0.77	8.51
28	22	24,640	16,016	0.65	7.55	23,760	15,444	0.65	8.14	22,440	14,586	0.65	8.65
30	16	19,580	19,580	1.00	7.04	18,700	18,700	1.00	7.55	17,820	17,820	1.00	8.18
30	18	21,120	20,486	0.97	7.22	20,460	19,846	0.97	7.77	19,140	18,566	0.97	8.36
30	20	22,880	19,448	0.85	7.41	22,000	18,700	0.85	7.92	20,680	17,578	0.85	8.51
30	22	24,640	17,987	0.73	7.55	23,760	17,345	0.73	8.14	22,440	16,381	0.73	8.65
32	16	19,580	19,580	1.00	7.04	18,700	18,700	1.00	7.55	17,820	17,820	1.00	8.18
32	18	21,120	21,120	1.00	7.22	20,460	20,460	1.00	7.77	19,140	19,140	1.00	8.36
32	20	22,880	21,278	0.93	7.41	22,000	20,460	0.93	7.92	20,680	19,232	0.93	8.51
32	22	24,640	19,958	0.81	7.55	23,760	19,246	0.81	8.14	22,440	18,176	0.81	8.65
34	16	19,580	19,580	1.00	7.04	18,700	18,700	1.00	7.55	17,820	17,820	1.00	8.18
34	18	21,120	21,120	1.00	7.22	20,460	20,460	1.00	7.77	19,140	19,140	1.00	8.36
34	20	22,880	22,880	1.00	7.41	22,000	22,000	1.00	7.92	20,680	20,680	1.00	8.51
34	22	24,640	21,930	0.89	7.55	23,760	21,146	0.89	8.14	22,440	19,972	0.89	8.65

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-SM71JA / SUZ-SM71VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8,343	5,423	0.65	1.664	7,988	5,192	0.65	1.747	7,668	4,984	0.65	1.830	7,384	4,800	0.65	1.914
21	20	8,698	4,610	0.53	1.747	8,343	4,422	0.53	1.851	8,094	4,290	0.53	1.893	7,810	4,139	0.53	1.976
22	18	8,343	5,756	0.69	1.664	7,988	5,511	0.69	1.747	7,668	5,291	0.69	1.830	7,384	5,095	0.69	1.914
22	20	8,698	4,958	0.57	1.747	8,343	4,755	0.57	1.851	8,094	4,614	0.57	1.893	7,810	4,452	0.57	1.976
22	22	9,053	4,074	0.45	1.810	8,733	3,930	0.45	1.924	8,520	3,834	0.45	1.976	8,165	3,674	0.45	2.059
23	18	8,343	6,090	0.73	1.664	7,988	5,831	0.73	1.747	7,668	5,598	0.73	1.830	7,384	5,390	0.73	1.914
23	20	8,698	5,305	0.61	1.747	8,343	5,089	0.61	1.851	8,094	4,937	0.61	1.893	7,810	4,764	0.61	1.976
23	22	9,053	4,436	0.49	1.810	8,733	4,279	0.49	1.924	8,520	4,175	0.49	1.976	8,165	4,001	0.49	2.059
24	18	8,343	6,424	0.77	1.664	7,988	6,150	0.77	1.747	7,668	5,904	0.77	1.830	7,384	5,686	0.77	1.914
24	20	8,698	5,653	0.65	1.747	8,343	5,423	0.65	1.851	8,094	5,261	0.65	1.893	7,810	5,077	0.65	1.976
24	22	9,053	4,798	0.53	1.810	8,733	4,628	0.53	1.924	8,520	4,516	0.53	1.976	8,165	4,327	0.53	2.059
24	24	9,514	3,901	0.41	1.893	9,159	3,755	0.41	1.997	8,946	3,668	0.41	2.059	8,662	3,551	0.41	2.163
25	20	8,698	6,001	0.69	1.747	8,343	5,756	0.69	1.851	8,094	5,585	0.69	1.893	7,810	5,389	0.69	1.976
25	22	9,053	5,160	0.57	1.810	8,733	4,978	0.57	1.924	8,520	4,856	0.57	1.976	8,165	4,654	0.57	2.059
25	24	9,514	4,281	0.45	1.893	9,159	4,122	0.45	1.997	8,946	4,026	0.45	2.059	8,662	3,898	0.45	2.163
26	18	8,343	7,091	0.85	1.664	7,988	6,789	0.85	1.747	7,668	6,518	0.85	1.830	7,384	6,276	0.85	1.914
26	20	8,698	6,349	0.73	1.747	8,343	6,090	0.73	1.851	8,094	5,909	0.73	1.893	7,810	5,701	0.73	1.976
26	22	9,053	5,522	0.61	1.810	8,733	5,327	0.61	1.924	8,520	5,197	0.61	1.976	8,165	4,981	0.61	2.059
26	24	9,514	4,662	0.49	1.893	9,159	4,488	0.49	1.997	8,946	4,384	0.49	2.059	8,662	4,244	0.49	2.163
26	26	9,798	3,625	0.37	1.997	9,514	3,520	0.37	2.101	9,372	3,468	0.37	2.163	9,088	3,363	0.37	2.226
27	18	8,343	7,425	0.89	1.664	7,988	7,109	0.89	1.747	7,668	6,825	0.89	1.830	7,384	6,572	0.89	1.914
27	20	8,698	6,697	0.77	1.747	8,343	6,424	0.77	1.851	8,094	6,232	0.77	1.893	7,810	6,014	0.77	1.976
27	22	9,053	5,884	0.65	1.810	8,733	5,676	0.65	1.924	8,520	5,538	0.65	1.976	8,165	5,307	0.65	2.059
27	24	9,514	5,042	0.53	1.893	9,159	4,854	0.53	1.997	8,946	4,741	0.53	2.059	8,662	4,591	0.53	2.163
27	26	9,798	4,017	0.41	1.997	9,514	3,901	0.41	2.101	9,372	3,843	0.41	2.163	9,088	3,726	0.41	2.226
28	18	8,343	7,759	0.93	1.664	7,988	7,428	0.93	1.747	7,668	7,131	0.93	1.830	7,384	6,867	0.93	1.914
28	20	8,698	7,045	0.81	1.747	8,343	6,757	0.81	1.851	8,094	6,556	0.81	1.893	7,810	6,326	0.81	1.976
28	22	9,053	6,246	0.69	1.810	8,733	6,026	0.69	1.924	8,520	5,879	0.69	1.976	8,165	5,634	0.69	2.059
28	24	9,514	5,423	0.57	1.893	9,159	5,221	0.57	1.997	8,946	5,099	0.57	2.059	8,662	4,937	0.57	2.163
28	26	9,798	4,409	0.45	1.997	9,514	4,281	0.45	2.101	9,372	4,217	0.45	2.163	9,088	4,090	0.45	2.226
29	18	8,343	8,092	0.97	1.664	7,988	7,748	0.97	1.747	7,668	7,438	0.97	1.830	7,384	7,162	0.97	1.914
29	20	8,698	7,393	0.85	1.747	8,343	7,091	0.85	1.851	8,094	6,880	0.85	1.893	7,810	6,639	0.85	1.976
29	22	9,053	6,608	0.73	1.810	8,733	6,375	0.73	1.924	8,520	6,220	0.73	1.976	8,165	5,960	0.73	2.059
29	24	9,514	5,804	0.61	1.893	9,159	5,587	0.61	1.997	8,946	5,457	0.61	2.059	8,662	5,284	0.61	2.163
29	26	9,798	4,801	0.49	1.997	9,514	4,662	0.49	2.101	9,372	4,592	0.49	2.163	9,088	4,453	0.49	2.226
30	18	8,343	8,426	1.01	1.664	7,988	8,067	1.01	1.747	7,668	7,745	1.01	1.830	7,384	7,458	1.01	1.914
30	20	8,698	7,741	0.89	1.747	8,343	7,425	0.89	1.851	8,094	7,204	0.89	1.893	7,810	6,951	0.89	1.976
30	22	9,053	6,970	0.77	1.810	8,733	6,724	0.77	1.924	8,520	6,560	0.77	1.976	8,165	6,287	0.77	2.059
30	24	9,514	6,184	0.65	1.893	9,159	5,953	0.65	1.997	8,946	5,815	0.65	2.059	8,662	5,630	0.65	2.163
30	26	9,798	5,193	0.53	1.997	9,514	5,042	0.53	2.101	9,372	4,967	0.53	2.163	9,088	4,817	0.53	2.226
31	18	8,343	8,760	1.05	1.664	7,988	8,387	1.05	1.747	7,668	8,051	1.05	1.830	7,384	7,753	1.05	1.914
31	20	8,698	8,089	0.93	1.747	8,343	7,759	0.93	1.851	8,094	7,527	0.93	1.893	7,810	7,263	0.93	1.976
31	22	9,053	7,333	0.81	1.810	8,733	7,074	0.81	1.924	8,520	6,901	0.81	1.976	8,165	6,614	0.81	2.059
31	24	9,514	6,565	0.69	1.893	9,159	6,320	0.69	1.997	8,946	6,173	0.69	2.059	8,662	5,977	0.69	2.163
31	26	9,798	5,585	0.57	1.997	9,514	5,423	0.57	2.101	9,372	5,342	0.57	2.163	9,088	5,180	0.57	2.226
32	18	8,343	9,093	1.09	1.664	7,988	8,706	1.09	1.747	7,668	8,358	1.09	1.830	7,384	8,049	1.09	1.914
32	20	8,698	8,437	0.97	1.747	8,343	8,092	0.97	1.851	8,094	7,851	0.97	1.893	7,810	7,576	0.97	1.976
32	22	9,053	7,695	0.85	1.810	8,733	7,423	0.85	1.924	8,520	7,242	0.85	1.976	8,165	6,940	0.85	2.059
32	24	9,514	6,945	0.73	1.893	9,159	6,686	0.73	1.997	8,946	6,531	0.73	2.059	8,662	6,323	0.73	2.163
32	26	9,798	5,977	0.61	1.997	9,514	5,804	0.61	2.101	9,372	5,717	0.61	2.163	9,088	5,544	0.61	2.226

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-SM71JA / SUZ-SM71VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,958	4,523	0.65	2.038	6,390	4,154	0.65	2.163	5,893	3,830	0.65	2.246
21	20	7,313	3,876	0.53	2.122	6,816	3,612	0.53	2.226	6,319	3,349	0.53	2.350
22	18	6,958	4,801	0.69	2.038	6,390	4,409	0.69	2.163	5,893	4,066	0.69	2.246
22	20	7,313	4,168	0.57	2.122	6,816	3,885	0.57	2.226	6,319	3,602	0.57	2.350
22	22	7,739	3,483	0.45	2.205	7,242	3,259	0.45	2.330	6,745	3,035	0.45	2.413
23	18	6,958	5,079	0.73	2.038	6,390	4,665	0.73	2.163	5,893	4,302	0.73	2.246
23	20	7,313	4,461	0.61	2.122	6,816	4,158	0.61	2.226	6,319	3,855	0.61	2.350
23	22	7,739	3,792	0.49	2.205	7,242	3,549	0.49	2.330	6,745	3,305	0.49	2.413
24	18	6,958	5,358	0.77	2.038	6,390	4,920	0.77	2.163	5,893	4,538	0.77	2.246
24	20	7,313	4,753	0.65	2.122	6,816	4,430	0.65	2.226	6,319	4,107	0.65	2.350
24	22	7,739	4,102	0.53	2.205	7,242	3,838	0.53	2.330	6,745	3,575	0.53	2.413
24	24	8,165	3,348	0.41	2.288	7,668	3,144	0.41	2.392	7,242	2,969	0.41	2.496
25	20	7,313	5,046	0.69	2.122	6,816	4,703	0.69	2.226	6,319	4,360	0.69	2.350
25	22	7,739	4,411	0.57	2.205	7,242	4,128	0.57	2.330	6,745	3,845	0.57	2.413
25	24	8,165	3,674	0.45	2.288	7,668	3,451	0.45	2.392	7,242	3,259	0.45	2.496
26	18	6,958	5,914	0.85	2.038	6,390	5,432	0.85	2.163	5,893	5,009	0.85	2.246
26	20	7,313	5,338	0.73	2.122	6,816	4,976	0.73	2.226	6,319	4,613	0.73	2.350
26	22	7,739	4,721	0.61	2.205	7,242	4,418	0.61	2.330	6,745	4,114	0.61	2.413
26	24	8,165	4,001	0.49	2.288	7,668	3,757	0.49	2.392	7,242	3,549	0.49	2.496
26	26	8,591	3,179	0.37	2.371	8,094	2,995	0.37	2.475	7,597	2,811	0.37	2.579
27	18	6,958	6,193	0.89	2.038	6,390	5,687	0.89	2.163	5,893	5,245	0.89	2.246
27	20	7,313	5,631	0.77	2.122	6,816	5,248	0.77	2.226	6,319	4,866	0.77	2.350
27	22	7,739	5,030	0.65	2.205	7,242	4,707	0.65	2.330	6,745	4,384	0.65	2.413
27	24	8,165	4,327	0.53	2.288	7,668	4,064	0.53	2.392	7,242	3,838	0.53	2.496
27	26	8,591	3,522	0.41	2.371	8,094	3,319	0.41	2.475	7,597	3,115	0.41	2.579
28	18	6,958	6,471	0.93	2.038	6,390	5,943	0.93	2.163	5,893	5,480	0.93	2.246
28	20	7,313	5,924	0.81	2.122	6,816	5,521	0.81	2.226	6,319	5,118	0.81	2.350
28	22	7,739	5,340	0.69	2.205	7,242	4,997	0.69	2.330	6,745	4,654	0.69	2.413
28	24	8,165	4,654	0.57	2.288	7,668	4,371	0.57	2.392	7,242	4,128	0.57	2.496
28	26	8,591	3,866	0.45	2.371	8,094	3,642	0.45	2.475	7,597	3,419	0.45	2.579
29	18	6,958	6,749	0.97	2.038	6,390	6,198	0.97	2.163	5,893	5,716	0.97	2.246
29	20	7,313	6,216	0.85	2.122	6,816	5,794	0.85	2.226	6,319	5,371	0.85	2.350
29	22	7,739	5,649	0.73	2.205	7,242	5,287	0.73	2.330	6,745	4,924	0.73	2.413
29	24	8,165	4,981	0.61	2.288	7,668	4,677	0.61	2.392	7,242	4,418	0.61	2.496
29	26	8,591	4,210	0.49	2.371	8,094	3,966	0.49	2.475	7,597	3,723	0.49	2.579
30	18	6,958	7,028	1.01	2.038	6,390	6,454	1.01	2.163	5,893	5,952	1.01	2.246
30	20	7,313	6,509	0.89	2.122	6,816	6,066	0.89	2.226	6,319	5,624	0.89	2.350
30	22	7,739	5,959	0.77	2.205	7,242	5,576	0.77	2.330	6,745	5,194	0.77	2.413
30	24	8,165	5,307	0.65	2.288	7,668	4,984	0.65	2.392	7,242	4,707	0.65	2.496
30	26	8,591	4,553	0.53	2.371	8,094	4,290	0.53	2.475	7,597	4,026	0.53	2.579
31	18	6,958	7,306	1.05	2.038	6,390	6,710	1.05	2.163	5,893	6,188	1.05	2.246
31	20	7,313	6,801	0.93	2.122	6,816	6,339	0.93	2.226	6,319	5,877	0.93	2.350
31	22	7,739	6,269	0.81	2.205	7,242	5,866	0.81	2.330	6,745	5,463	0.81	2.413
31	24	8,165	5,634	0.69	2.288	7,668	5,291	0.69	2.392	7,242	4,997	0.69	2.496
31	26	8,591	4,897	0.57	2.371	8,094	4,614	0.57	2.475	7,597	4,330	0.57	2.579
32	18	6,958	7,584	1.09	2.038	6,390	6,965	1.09	2.163	5,893	6,423	1.09	2.246
32	20	7,313	7,094	0.97	2.122	6,816	6,612	0.97	2.226	6,319	6,129	0.97	2.350
32	22	7,739	6,578	0.85	2.205	7,242	6,156	0.85	2.330	6,745	5,733	0.85	2.413
32	24	8,165	5,960	0.73	2.288	7,668	5,598	0.73	2.392	7,242	5,287	0.73	2.496
32	26	8,591	5,241	0.61	2.371	8,094	4,937	0.61	2.475	7,597	4,634	0.61	2.579

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-SM71JAL / SUZ-SM71VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8,343	5,423	0.65	1.664	7,988	5,192	0.65	1.747	7,668	4,984	0.65	1.830	7,384	4,800	0.65	1.914
21	20	8,698	4,610	0.53	1.747	8,343	4,422	0.53	1.851	8,094	4,290	0.53	1.893	7,810	4,139	0.53	1.976
22	18	8,343	5,756	0.69	1.664	7,988	5,511	0.69	1.747	7,668	5,291	0.69	1.830	7,384	5,095	0.69	1.914
22	20	8,698	4,958	0.57	1.747	8,343	4,755	0.57	1.851	8,094	4,614	0.57	1.893	7,810	4,452	0.57	1.976
22	22	9,053	4,074	0.45	1.810	8,733	3,930	0.45	1.924	8,520	3,834	0.45	1.976	8,165	3,674	0.45	2.059
23	18	8,343	6,090	0.73	1.664	7,988	5,831	0.73	1.747	7,668	5,598	0.73	1.830	7,384	5,390	0.73	1.914
23	20	8,698	5,305	0.61	1.747	8,343	5,089	0.61	1.851	8,094	4,937	0.61	1.893	7,810	4,764	0.61	1.976
23	22	9,053	4,436	0.49	1.810	8,733	4,279	0.49	1.924	8,520	4,175	0.49	1.976	8,165	4,001	0.49	2.059
24	18	8,343	6,424	0.77	1.664	7,988	6,150	0.77	1.747	7,668	5,904	0.77	1.830	7,384	5,686	0.77	1.914
24	20	8,698	5,653	0.65	1.747	8,343	5,423	0.65	1.851	8,094	5,261	0.65	1.893	7,810	5,077	0.65	1.976
24	22	9,053	4,798	0.53	1.810	8,733	4,628	0.53	1.924	8,520	4,516	0.53	1.976	8,165	4,327	0.53	2.059
24	24	9,514	3,901	0.41	1.893	9,159	3,755	0.41	1.997	8,946	3,668	0.41	2.059	8,662	3,551	0.41	2.163
25	20	8,698	6,001	0.69	1.747	8,343	5,756	0.69	1.851	8,094	5,585	0.69	1.893	7,810	5,389	0.69	1.976
25	22	9,053	5,160	0.57	1.810	8,733	4,978	0.57	1.924	8,520	4,856	0.57	1.976	8,165	4,654	0.57	2.059
25	24	9,514	4,281	0.45	1.893	9,159	4,122	0.45	1.997	8,946	4,026	0.45	2.059	8,662	3,898	0.45	2.163
26	18	8,343	7,091	0.85	1.664	7,988	6,789	0.85	1.747	7,668	6,518	0.85	1.830	7,384	6,276	0.85	1.914
26	20	8,698	6,349	0.73	1.747	8,343	6,090	0.73	1.851	8,094	5,909	0.73	1.893	7,810	5,701	0.73	1.976
26	22	9,053	5,522	0.61	1.810	8,733	5,327	0.61	1.924	8,520	5,197	0.61	1.976	8,165	4,981	0.61	2.059
26	24	9,514	4,662	0.49	1.893	9,159	4,488	0.49	1.997	8,946	4,384	0.49	2.059	8,662	4,244	0.49	2.163
26	26	9,798	3,625	0.37	1.997	9,514	3,520	0.37	2.101	9,372	3,468	0.37	2.163	9,088	3,363	0.37	2.226
27	18	8,343	7,425	0.89	1.664	7,988	7,109	0.89	1.747	7,668	6,825	0.89	1.830	7,384	6,572	0.89	1.914
27	20	8,698	6,697	0.77	1.747	8,343	6,424	0.77	1.851	8,094	6,232	0.77	1.893	7,810	6,014	0.77	1.976
27	22	9,053	5,884	0.65	1.810	8,733	5,676	0.65	1.924	8,520	5,538	0.65	1.976	8,165	5,307	0.65	2.059
27	24	9,514	5,042	0.53	1.893	9,159	4,854	0.53	1.997	8,946	4,741	0.53	2.059	8,662	4,591	0.53	2.163
27	26	9,798	4,017	0.41	1.997	9,514	3,901	0.41	2.101	9,372	3,843	0.41	2.163	9,088	3,726	0.41	2.226
28	18	8,343	7,759	0.93	1.664	7,988	7,428	0.93	1.747	7,668	7,131	0.93	1.830	7,384	6,867	0.93	1.914
28	20	8,698	7,045	0.81	1.747	8,343	6,757	0.81	1.851	8,094	6,556	0.81	1.893	7,810	6,326	0.81	1.976
28	22	9,053	6,246	0.69	1.810	8,733	6,026	0.69	1.924	8,520	5,879	0.69	1.976	8,165	5,634	0.69	2.059
28	24	9,514	5,423	0.57	1.893	9,159	5,221	0.57	1.997	8,946	5,099	0.57	2.059	8,662	4,937	0.57	2.163
28	26	9,798	4,409	0.45	1.997	9,514	4,281	0.45	2.101	9,372	4,217	0.45	2.163	9,088	4,090	0.45	2.226
29	18	8,343	8,092	0.97	1.664	7,988	7,748	0.97	1.747	7,668	7,438	0.97	1.830	7,384	7,162	0.97	1.914
29	20	8,698	7,393	0.85	1.747	8,343	7,091	0.85	1.851	8,094	6,880	0.85	1.893	7,810	6,639	0.85	1.976
29	22	9,053	6,608	0.73	1.810	8,733	6,375	0.73	1.924	8,520	6,220	0.73	1.976	8,165	5,960	0.73	2.059
29	24	9,514	5,804	0.61	1.893	9,159	5,587	0.61	1.997	8,946	5,457	0.61	2.059	8,662	5,284	0.61	2.163
29	26	9,798	4,801	0.49	1.997	9,514	4,662	0.49	2.101	9,372	4,592	0.49	2.163	9,088	4,453	0.49	2.226
30	18	8,343	8,426	1.01	1.664	7,988	8,067	1.01	1.747	7,668	7,745	1.01	1.830	7,384	7,458	1.01	1.914
30	20	8,698	7,741	0.89	1.747	8,343	7,425	0.89	1.851	8,094	7,204	0.89	1.893	7,810	6,951	0.89	1.976
30	22	9,053	6,970	0.77	1.810	8,733	6,724	0.77	1.924	8,520	6,560	0.77	1.976	8,165	6,287	0.77	2.059
30	24	9,514	6,184	0.65	1.893	9,159	5,953	0.65	1.997	8,946	5,815	0.65	2.059	8,662	5,630	0.65	2.163
30	26	9,798	5,193	0.53	1.997	9,514	5,042	0.53	2.101	9,372	4,967	0.53	2.163	9,088	4,817	0.53	2.226
31	18	8,343	8,760	1.05	1.664	7,988	8,387	1.05	1.747	7,668	8,051	1.05	1.830	7,384	7,753	1.05	1.914
31	20	8,698	8,089	0.93	1.747	8,343	7,759	0.93	1.851	8,094	7,527	0.93	1.893	7,810	7,263	0.93	1.976
31	22	9,053	7,333	0.81	1.810	8,733	7,074	0.81	1.924	8,520	6,901	0.81	1.976	8,165	6,614	0.81	2.059
31	24	9,514	6,565	0.69	1.893	9,159	6,320	0.69	1.997	8,946	6,173	0.69	2.059	8,662	5,977	0.69	2.163
31	26	9,798	5,585	0.57	1.997	9,514	5,423	0.57	2.101	9,372	5,342	0.57	2.163	9,088	5,180	0.57	2.226
32	18	8,343	9,093	1.09	1.664	7,988	8,706	1.09	1.747	7,668	8,358	1.09	1.830	7,384	8,049	1.09	1.914
32	20	8,698	8,437	0.97	1.747	8,343	8,092	0.97	1.851	8,094	7,851	0.97	1.893	7,810	7,576	0.97	1.976
32	22	9,053	7,695	0.85	1.810	8,733	7,423	0.85	1.924	8,520	7,242	0.85	1.976	8,165	6,940	0.85	2.059
32	24	9,514	6,945	0.73	1.893	9,159	6,686	0.73	1.997	8,946	6,531	0.73	2.059	8,662	6,323	0.73	2.163
32	26	9,798	5,977	0.61	1.997	9,514	5,804	0.61	2.101	9,372	5,717	0.61	2.163	9,088	5,544	0.61	2.226

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-SM71JAL / SUZ-SM71VA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,958	4,523	0.65	2.038	6,390	4,154	0.65	2.163	5,893	3,830	0.65	2.246
21	20	7,313	3,876	0.53	2.122	6,816	3,612	0.53	2.226	6,319	3,349	0.53	2.350
22	18	6,958	4,801	0.69	2.038	6,390	4,409	0.69	2.163	5,893	4,066	0.69	2.246
22	20	7,313	4,168	0.57	2.122	6,816	3,885	0.57	2.226	6,319	3,602	0.57	2.350
22	22	7,739	3,483	0.45	2.205	7,242	3,259	0.45	2.330	6,745	3,035	0.45	2.413
23	18	6,958	5,079	0.73	2.038	6,390	4,665	0.73	2.163	5,893	4,302	0.73	2.246
23	20	7,313	4,461	0.61	2.122	6,816	4,158	0.61	2.226	6,319	3,855	0.61	2.350
23	22	7,739	3,792	0.49	2.205	7,242	3,549	0.49	2.330	6,745	3,305	0.49	2.413
24	18	6,958	5,358	0.77	2.038	6,390	4,920	0.77	2.163	5,893	4,538	0.77	2.246
24	20	7,313	4,753	0.65	2.122	6,816	4,430	0.65	2.226	6,319	4,107	0.65	2.350
24	22	7,739	4,102	0.53	2.205	7,242	3,838	0.53	2.330	6,745	3,575	0.53	2.413
24	24	8,165	3,348	0.41	2.288	7,668	3,144	0.41	2.392	7,242	2,969	0.41	2.496
25	20	7,313	5,046	0.69	2.122	6,816	4,703	0.69	2.226	6,319	4,360	0.69	2.350
25	22	7,739	4,411	0.57	2.205	7,242	4,128	0.57	2.330	6,745	3,845	0.57	2.413
25	24	8,165	3,674	0.45	2.288	7,668	3,451	0.45	2.392	7,242	3,259	0.45	2.496
26	18	6,958	5,914	0.85	2.038	6,390	5,432	0.85	2.163	5,893	5,009	0.85	2.246
26	20	7,313	5,338	0.73	2.122	6,816	4,976	0.73	2.226	6,319	4,613	0.73	2.350
26	22	7,739	4,721	0.61	2.205	7,242	4,418	0.61	2.330	6,745	4,114	0.61	2.413
26	24	8,165	4,001	0.49	2.288	7,668	3,757	0.49	2.392	7,242	3,549	0.49	2.496
26	26	8,591	3,179	0.37	2.371	8,094	2,995	0.37	2.475	7,597	2,811	0.37	2.579
27	18	6,958	6,193	0.89	2.038	6,390	5,687	0.89	2.163	5,893	5,245	0.89	2.246
27	20	7,313	5,631	0.77	2.122	6,816	5,248	0.77	2.226	6,319	4,866	0.77	2.350
27	22	7,739	5,030	0.65	2.205	7,242	4,707	0.65	2.330	6,745	4,384	0.65	2.413
27	24	8,165	4,327	0.53	2.288	7,668	4,064	0.53	2.392	7,242	3,838	0.53	2.496
27	26	8,591	3,522	0.41	2.371	8,094	3,319	0.41	2.475	7,597	3,115	0.41	2.579
28	18	6,958	6,471	0.93	2.038	6,390	5,943	0.93	2.163	5,893	5,480	0.93	2.246
28	20	7,313	5,924	0.81	2.122	6,816	5,521	0.81	2.226	6,319	5,118	0.81	2.350
28	22	7,739	5,340	0.69	2.205	7,242	4,997	0.69	2.330	6,745	4,654	0.69	2.413
28	24	8,165	4,654	0.57	2.288	7,668	4,371	0.57	2.392	7,242	4,128	0.57	2.496
28	26	8,591	3,866	0.45	2.371	8,094	3,642	0.45	2.475	7,597	3,419	0.45	2.579
29	18	6,958	6,749	0.97	2.038	6,390	6,198	0.97	2.163	5,893	5,716	0.97	2.246
29	20	7,313	6,216	0.85	2.122	6,816	5,794	0.85	2.226	6,319	5,371	0.85	2.350
29	22	7,739	5,649	0.73	2.205	7,242	5,287	0.73	2.330	6,745	4,924	0.73	2.413
29	24	8,165	4,981	0.61	2.288	7,668	4,677	0.61	2.392	7,242	4,418	0.61	2.496
29	26	8,591	4,210	0.49	2.371	8,094	3,966	0.49	2.475	7,597	3,723	0.49	2.579
30	18	6,958	7,028	1.01	2.038	6,390	6,454	1.01	2.163	5,893	5,952	1.01	2.246
30	20	7,313	6,509	0.89	2.122	6,816	6,066	0.89	2.226	6,319	5,624	0.89	2.350
30	22	7,739	5,959	0.77	2.205	7,242	5,576	0.77	2.330	6,745	5,194	0.77	2.413
30	24	8,165	5,307	0.65	2.288	7,668	4,984	0.65	2.392	7,242	4,707	0.65	2.496
30	26	8,591	4,553	0.53	2.371	8,094	4,290	0.53	2.475	7,597	4,026	0.53	2.579
31	18	6,958	7,306	1.05	2.038	6,390	6,710	1.05	2.163	5,893	6,188	1.05	2.246
31	20	7,313	6,801	0.93	2.122	6,816	6,339	0.93	2.226	6,319	5,877	0.93	2.350
31	22	7,739	6,269	0.81	2.205	7,242	5,866	0.81	2.330	6,745	5,463	0.81	2.413
31	24	8,165	5,634	0.69	2.288	7,668	5,291	0.69	2.392	7,242	4,997	0.69	2.496
31	26	8,591	4,897	0.57	2.371	8,094	4,614	0.57	2.475	7,597	4,330	0.57	2.579
32	18	6,958	7,584	1.09	2.038	6,390	6,965	1.09	2.163	5,893	6,423	1.09	2.246
32	20	7,313	7,094	0.97	2.122	6,816	6,612	0.97	2.226	6,319	6,129	0.97	2.350
32	22	7,739	6,578	0.85	2.205	7,242	6,156	0.85	2.330	6,745	5,733	0.85	2.413
32	24	8,165	5,960	0.73	2.288	7,668	5,598	0.73	2.392	7,242	5,287	0.73	2.496
32	26	8,591	5,241	0.61	2.371	8,094	4,937	0.61	2.475	7,597	4,634	0.61	2.579

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-SM100JA(L) / PUZ-SM100VKA PUZ-SM100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	6,866	0.73	2.36	9,120	6,658	0.73	2.49	8,835	6,450	0.73	2.64
20	18	10,070	6,143	0.61	2.40	9,785	5,969	0.61	2.54	9,453	5,766	0.61	2.71
20	20	10,830	5,307	0.49	2.48	10,593	5,190	0.49	2.60	10,308	5,051	0.49	2.77
22	16	9,405	7,618	0.81	2.36	9,120	7,387	0.81	2.49	8,835	7,156	0.81	2.64
22	18	10,070	6,948	0.69	2.40	9,785	6,752	0.69	2.54	9,453	6,522	0.69	2.71
22	20	10,830	6,173	0.57	2.48	10,593	6,038	0.57	2.60	10,308	5,875	0.57	2.77
24	16	9,405	8,370	0.89	2.36	9,120	8,117	0.89	2.49	8,835	7,863	0.89	2.64
24	18	10,070	7,754	0.77	2.40	9,785	7,534	0.77	2.54	9,453	7,278	0.77	2.71
24	20	10,830	7,040	0.65	2.48	10,593	6,885	0.65	2.60	10,308	6,700	0.65	2.77
24	22	11,543	6,118	0.53	2.54	11,305	5,992	0.53	2.68	11,020	5,841	0.53	2.86
26	16	9,405	9,123	0.97	2.36	9,120	8,846	0.97	2.49	8,835	8,570	0.97	2.64
26	18	10,070	8,560	0.85	2.40	9,785	8,317	0.85	2.54	9,453	8,035	0.85	2.71
26	20	10,830	7,906	0.73	2.48	10,593	7,733	0.73	2.60	10,308	7,524	0.73	2.77
26	22	11,543	7,041	0.61	2.54	11,305	6,896	0.61	2.68	11,020	6,722	0.61	2.86
27	16	9,405	9,405	1.00	2.36	9,120	9,120	1.00	2.49	8,835	8,835	1.00	2.64
27	18	10,070	8,962	0.89	2.40	9,785	8,709	0.89	2.54	9,453	8,413	0.89	2.71
27	20	10,830	8,339	0.77	2.48	10,593	8,156	0.77	2.60	10,308	7,937	0.77	2.77
27	22	11,543	7,503	0.65	2.54	11,305	7,348	0.65	2.68	11,020	7,163	0.65	2.86
28	16	9,405	9,405	1.00	2.36	9,120	9,120	1.00	2.49	8,835	8,835	1.00	2.64
28	18	10,070	9,365	0.93	2.40	9,785	9,100	0.93	2.54	9,453	8,791	0.93	2.71
28	20	10,830	8,772	0.81	2.48	10,593	8,580	0.81	2.60	10,308	8,349	0.81	2.77
28	22	11,543	7,964	0.69	2.54	11,305	7,800	0.69	2.68	11,020	7,604	0.69	2.86
30	16	9,405	9,405	1.00	2.36	9,120	9,120	1.00	2.49	8,835	8,835	1.00	2.64
30	18	10,070	10,070	1.00	2.40	9,785	9,785	1.00	2.54	9,453	9,453	1.00	2.71
30	20	10,830	9,639	0.89	2.48	10,593	9,427	0.89	2.60	10,308	9,174	0.89	2.77
30	22	11,543	8,888	0.77	2.54	11,305	8,705	0.77	2.68	11,020	8,485	0.77	2.86
32	16	9,405	9,405	1.00	2.36	9,120	9,120	1.00	2.49	8,835	8,835	1.00	2.64
32	18	10,070	10,070	1.00	2.40	9,785	9,785	1.00	2.54	9,453	9,453	1.00	2.71
32	20	10,830	10,505	0.97	2.48	10,593	10,275	0.97	2.60	10,308	9,998	0.97	2.77
32	22	11,543	9,811	0.85	2.54	11,305	9,609	0.85	2.68	11,020	9,367	0.85	2.86
34	16	9,405	9,405	1.00	2.36	9,120	9,120	1.00	2.49	8,835	8,835	1.00	2.64
34	18	10,070	10,070	1.00	2.40	9,785	9,785	1.00	2.54	9,453	9,453	1.00	2.71
34	20	10,830	10,830	1.00	2.48	10,593	10,593	1.00	2.60	10,308	10,308	1.00	2.77
34	22	11,543	10,735	0.93	2.54	11,305	10,514	0.93	2.68	11,020	10,249	0.93	2.86

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	6,172	0.73	2.83	8,075	5,895	0.73	3.04	7,695	5,617	0.73	3.29
20	18	9,120	5,563	0.61	2.91	8,835	5,389	0.61	3.13	8,265	5,042	0.61	3.36
20	20	9,880	4,841	0.49	2.98	9,500	4,655	0.49	3.19	8,930	4,376	0.49	3.42
22	16	8,455	6,849	0.81	2.83	8,075	6,541	0.81	3.04	7,695	6,233	0.81	3.29
22	18	9,120	6,293	0.69	2.91	8,835	6,096	0.69	3.13	8,265	5,703	0.69	3.36
22	20	9,880	5,632	0.57	2.98	9,500	5,415	0.57	3.19	8,930	5,090	0.57	3.42
24	16	8,455	7,525	0.89	2.83	8,075	7,187	0.89	3.04	7,695	6,849	0.89	3.29
24	18	9,120	7,022	0.77	2.91	8,835	6,803	0.77	3.13	8,265	6,364	0.77	3.36
24	20	9,880	6,422	0.65	2.98	9,500	6,175	0.65	3.19	8,930	5,805	0.65	3.42
24	22	10,640	5,639	0.53	3.04	10,260	5,438	0.53	3.27	9,690	5,136	0.53	3.48
26	16	8,455	8,201	0.97	2.83	8,075	7,833	0.97	3.04	7,695	7,464	0.97	3.29
26	18	9,120	7,752	0.85	2.91	8,835	7,510	0.85	3.13	8,265	7,025	0.85	3.36
26	20	9,880	7,212	0.73	2.98	9,500	6,935	0.73	3.19	8,930	6,519	0.73	3.42
26	22	10,640	6,490	0.61	3.04	10,260	6,259	0.61	3.27	9,690	5,911	0.61	3.48
27	16	8,455	8,455	1.00	2.83	8,075	8,075	1.00	3.04	7,695	7,695	1.00	3.29
27	18	9,120	8,117	0.89	2.91	8,835	7,863	0.89	3.13	8,265	7,356	0.89	3.36
27	20	9,880	7,608	0.77	2.98	9,500	7,315	0.77	3.19	8,930	6,876	0.77	3.42
27	22	10,640	6,916	0.65	3.04	10,260	6,669	0.65	3.27	9,690	6,299	0.65	3.48
28	16	8,455	8,455	1.00	2.83	8,075	8,075	1.00	3.04	7,695	7,695	1.00	3.29
28	18	9,120	8,482	0.93	2.91	8,835	8,217	0.93	3.13	8,265	7,686	0.93	3.36
28	20	9,880	8,003	0.81	2.98	9,500	7,695	0.81	3.19	8,930	7,233	0.81	3.42
28	22	10,640	7,342	0.69	3.04	10,260	7,079	0.69	3.27	9,690	6,686	0.69	3.48
30	16	8,455	8,455	1.00	2.83	8,075	8,075	1.00	3.04	7,695	7,695	1.00	3.29
30	18	9,120	9,120	1.00	2.91	8,835	8,835	1.00	3.13	8,265	8,265	1.00	3.36
30	20	9,880	8,793	0.89	2.98	9,500	8,455	0.89	3.19	8,930	7,948	0.89	3.42
30	22	10,640	8,193	0.77	3.04	10,260	7,900	0.77	3.27	9,690	7,461	0.77	3.48
32	16	8,455	8,455	1.00	2.83	8,075	8,075	1.00	3.04	7,695	7,695	1.00	3.29
32	18	9,120	9,120	1.00	2.91	8,835	8,835	1.00	3.13	8,265	8,265	1.00	3.36
32	20	9,880	9,584	0.97	2.98	9,500	9,215	0.97	3.19	8,930	8,662	0.97	3.42
32	22	10,640	9,044	0.85	3.04	10,260	8,721	0.85	3.27	9,690	8,237	0.85	3.48
34	16	8,455	8,455	1.00	2.83	8,075	8,075	1.00	3.04	7,695	7,695	1.00	3.29
34	18	9,120	9,120	1.00	2.91	8,835	8,835	1.00	3.13	8,265	8,265	1.00	3.36
34	20	9,880	9,880	1.00	2.98	9,500	9,500	1.00	3.19	8,930	8,930	1.00	3.42
34	22	10,640	9,895	0.93	3.04	10,260	9,542	0.93	3.27	9,690	9,012	0.93	3.48

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PEAD-SM125JA(L) / PUZ-SM125VKA PUZ-SM125YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	11,979	8,745	0.73	3.34	11,616	8,480	0.73	3.52	11,253	8,215	0.73	3.73
20	18	12,826	7,824	0.61	3.40	12,463	7,602	0.61	3.59	12,040	7,344	0.61	3.84
20	20	13,794	6,759	0.49	3.50	13,492	6,611	0.49	3.67	13,129	6,433	0.49	3.92
22	16	11,979	9,703	0.81	3.34	11,616	9,409	0.81	3.52	11,253	9,115	0.81	3.73
22	18	12,826	8,850	0.69	3.40	12,463	8,599	0.69	3.59	12,040	8,307	0.69	3.84
22	20	13,794	7,863	0.57	3.50	13,492	7,690	0.57	3.67	13,129	7,483	0.57	3.92
24	16	11,979	10,661	0.89	3.34	11,616	10,338	0.89	3.52	11,253	10,015	0.89	3.73
24	18	12,826	9,876	0.77	3.40	12,463	9,597	0.77	3.59	12,040	9,270	0.77	3.84
24	20	13,794	8,966	0.65	3.50	13,492	8,769	0.65	3.67	13,129	8,534	0.65	3.92
24	22	14,702	7,792	0.53	3.59	14,399	7,631	0.53	3.79	14,036	7,439	0.53	4.04
26	16	11,979	11,620	0.97	3.34	11,616	11,268	0.97	3.52	11,253	10,915	0.97	3.73
26	18	12,826	10,902	0.85	3.40	12,463	10,594	0.85	3.59	12,040	10,234	0.85	3.84
26	20	13,794	10,070	0.73	3.50	13,492	9,849	0.73	3.67	13,129	9,584	0.73	3.92
26	22	14,702	8,968	0.61	3.59	14,399	8,783	0.61	3.79	14,036	8,562	0.61	4.04
27	16	11,979	11,979	1.00	3.34	11,616	11,616	1.00	3.52	11,253	11,253	1.00	3.73
27	18	12,826	11,415	0.89	3.40	12,463	11,092	0.89	3.59	12,040	10,715	0.89	3.84
27	20	13,794	10,621	0.77	3.50	13,492	10,388	0.77	3.67	13,129	10,109	0.77	3.92
27	22	14,702	9,556	0.65	3.59	14,399	9,359	0.65	3.79	14,036	9,123	0.65	4.04
28	16	11,979	11,979	1.00	3.34	11,616	11,616	1.00	3.52	11,253	11,253	1.00	3.73
28	18	12,826	11,928	0.93	3.40	12,463	11,591	0.93	3.59	12,040	11,197	0.93	3.84
28	20	13,794	11,173	0.81	3.50	13,492	10,928	0.81	3.67	13,129	10,634	0.81	3.92
28	22	14,702	10,144	0.69	3.59	14,399	9,935	0.69	3.79	14,036	9,685	0.69	4.04
30	16	11,979	11,979	1.00	3.34	11,616	11,616	1.00	3.52	11,253	11,253	1.00	3.73
30	18	12,826	12,826	1.00	3.40	12,463	12,463	1.00	3.59	12,040	12,040	1.00	3.84
30	20	13,794	12,277	0.89	3.50	13,492	12,007	0.89	3.67	13,129	11,684	0.89	3.92
30	22	14,702	11,320	0.77	3.59	14,399	11,087	0.77	3.79	14,036	10,808	0.77	4.04
32	16	11,979	11,979	1.00	3.34	11,616	11,616	1.00	3.52	11,253	11,253	1.00	3.73
32	18	12,826	12,826	1.00	3.40	12,463	12,463	1.00	3.59	12,040	12,040	1.00	3.84
32	20	13,794	13,380	0.97	3.50	13,492	13,087	0.97	3.67	13,129	12,735	0.97	3.92
32	22	14,702	12,496	0.85	3.59	14,399	12,239	0.85	3.79	14,036	11,931	0.85	4.04
34	16	11,979	11,979	1.00	3.34	11,616	11,616	1.00	3.52	11,253	11,253	1.00	3.73
34	18	12,826	12,826	1.00	3.40	12,463	12,463	1.00	3.59	12,040	12,040	1.00	3.84
34	20	13,794	13,794	1.00	3.50	13,492	13,492	1.00	3.67	13,129	13,129	1.00	3.92
34	22	14,702	13,672	0.93	3.59	14,399	13,391	0.93	3.79	14,036	13,053	0.93	4.04

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	10,769	7,861	0.73	4.00	10,285	7,508	0.73	4.30	9,801	7,155	0.73	4.65
20	18	11,616	7,086	0.61	4.11	11,253	6,864	0.61	4.42	10,527	6,421	0.61	4.75
20	20	12,584	6,166	0.49	4.21	12,100	5,929	0.49	4.50	11,374	5,573	0.49	4.84
22	16	10,769	8,723	0.81	4.00	10,285	8,331	0.81	4.30	9,801	7,939	0.81	4.65
22	18	11,616	8,015	0.69	4.11	11,253	7,765	0.69	4.42	10,527	7,264	0.69	4.75
22	20	12,584	7,173	0.57	4.21	12,100	6,897	0.57	4.50	11,374	6,483	0.57	4.84
24	16	10,769	9,584	0.89	4.00	10,285	9,154	0.89	4.30	9,801	8,723	0.89	4.65
24	18	11,616	8,944	0.77	4.11	11,253	8,665	0.77	4.42	10,527	8,106	0.77	4.75
24	20	12,584	8,180	0.65	4.21	12,100	7,865	0.65	4.50	11,374	7,393	0.65	4.84
24	22	13,552	7,183	0.53	4.30	13,068	6,926	0.53	4.63	12,342	6,541	0.53	4.92
26	16	10,769	10,446	0.97	4.00	10,285	9,976	0.97	4.30	9,801	9,507	0.97	4.65
26	18	11,616	9,874	0.85	4.11	11,253	9,565	0.85	4.42	10,527	8,948	0.85	4.75
26	20	12,584	9,186	0.73	4.21	12,100	8,833	0.73	4.50	11,374	8,303	0.73	4.84
26	22	13,552	8,267	0.61	4.30	13,068	7,971	0.61	4.63	12,342	7,529	0.61	4.92
27	16	10,769	10,769	1.00	4.00	10,285	10,285	1.00	4.30	9,801	9,801	1.00	4.65
27	18	11,616	10,338	0.89	4.11	11,253	10,015	0.89	4.42	10,527	9,369	0.89	4.75
27	20	12,584	9,690	0.77	4.21	12,100	9,317	0.77	4.50	11,374	8,758	0.77	4.84
27	22	13,552	8,809	0.65	4.30	13,068	8,494	0.65	4.63	12,342	8,022	0.65	4.92
28	16	10,769	10,769	1.00	4.00	10,285	10,285	1.00	4.30	9,801	9,801	1.00	4.65
28	18	11,616	10,803	0.93	4.11	11,253	10,465	0.93	4.42	10,527	9,790	0.93	4.75
28	20	12,584	10,193	0.81	4.21	12,100	9,801	0.81	4.50	11,374	9,213	0.81	4.84
28	22	13,552	9,351	0.69	4.30	13,068	9,017	0.69	4.63	12,342	8,516	0.69	4.92
30	16	10,769	10,769	1.00	4.00	10,285	10,285	1.00	4.30	9,801	9,801	1.00	4.65
30	18	11,616	11,616	1.00	4.11	11,253	11,253	1.00	4.42	10,527	10,527	1.00	4.75
30	20	12,584	11,200	0.89	4.21	12,100	10,769	0.89	4.50	11,374	10,123	0.89	4.84
30	22	13,552	10,435	0.77	4.30	13,068	10,062	0.77	4.63	12,342	9,503	0.77	4.92
32	16	10,769	10,769	1.00	4.00	10,285	10,285	1.00	4.30	9,801	9,801	1.00	4.65
32	18	11,616	11,616	1.00	4.11	11,253	11,253	1.00	4.42	10,527	10,527	1.00	4.75
32	20	12,584	12,206	0.97	4.21	12,100	11,737	0.97	4.50	11,374	11,033	0.97	4.84
32	22	13,552	11,519	0.85	4.30	13,068	11,108	0.85	4.63	12,342	10,491	0.85	4.92
34	16	10,769	10,769	1.00	4.00	10,285	10,285	1.00	4.30	9,801	9,801	1.00	4.65
34	18	11,616	11,616	1.00	4.11	11,253	11,253	1.00	4.42	10,527	10,527	1.00	4.75
34	20	12,584	12,584	1.00	4.21	12,100	12,100	1.00	4.50	11,374	11,374	1.00	4.84
34	22	13,552	12,603	0.93	4.30	13,068	12,153	0.93	4.63	12,342	11,478	0.93	4.92

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-SM140JA(L) / PUZ-SM140VKA PUZ-SM140YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,266	9,684	0.73	3.97	12,864	9,391	0.73	4.19	12,462	9,097	0.73	4.44
20	18	14,204	8,664	0.61	4.04	13,802	8,419	0.61	4.27	13,333	8,133	0.61	4.56
20	20	15,276	7,485	0.49	4.17	14,941	7,321	0.49	4.36	14,539	7,124	0.49	4.66
22	16	13,266	10,745	0.81	3.97	12,864	10,420	0.81	4.19	12,462	10,094	0.81	4.44
22	18	14,204	9,801	0.69	4.04	13,802	9,523	0.69	4.27	13,333	9,200	0.69	4.56
22	20	15,276	8,707	0.57	4.17	14,941	8,516	0.57	4.36	14,539	8,287	0.57	4.66
24	16	13,266	11,807	0.89	3.97	12,864	11,449	0.89	4.19	12,462	11,091	0.89	4.44
24	18	14,204	10,937	0.77	4.04	13,802	10,628	0.77	4.27	13,333	10,266	0.77	4.56
24	20	15,276	9,929	0.65	4.17	14,941	9,712	0.65	4.36	14,539	9,450	0.65	4.66
24	22	16,281	8,629	0.53	4.27	15,946	8,451	0.53	4.51	15,544	8,238	0.53	4.81
26	16	13,266	12,868	0.97	3.97	12,864	12,478	0.97	4.19	12,462	12,088	0.97	4.44
26	18	14,204	12,073	0.85	4.04	13,802	11,732	0.85	4.27	13,333	11,333	0.85	4.56
26	20	15,276	11,151	0.73	4.17	14,941	10,907	0.73	4.36	14,539	10,613	0.73	4.66
26	22	16,281	9,931	0.61	4.27	15,946	9,727	0.61	4.51	15,544	9,482	0.61	4.81
27	16	13,266	13,266	1.00	3.97	12,864	12,864	1.00	4.19	12,462	12,462	1.00	4.44
27	18	14,204	12,642	0.89	4.04	13,802	12,284	0.89	4.27	13,333	11,866	0.89	4.56
27	20	15,276	11,763	0.77	4.17	14,941	11,505	0.77	4.36	14,539	11,195	0.77	4.66
27	22	16,281	10,583	0.65	4.27	15,946	10,365	0.65	4.51	15,544	10,104	0.65	4.81
28	16	13,266	13,266	1.00	3.97	12,864	12,864	1.00	4.19	12,462	12,462	1.00	4.44
28	18	14,204	13,210	0.93	4.04	13,802	12,836	0.93	4.27	13,333	12,400	0.93	4.56
28	20	15,276	12,374	0.81	4.17	14,941	12,102	0.81	4.36	14,539	11,777	0.81	4.66
28	22	16,281	11,234	0.69	4.27	15,946	11,003	0.69	4.51	15,544	10,725	0.69	4.81
30	16	13,266	13,266	1.00	3.97	12,864	12,864	1.00	4.19	12,462	12,462	1.00	4.44
30	18	14,204	14,204	1.00	4.04	13,802	13,802	1.00	4.27	13,333	13,333	1.00	4.56
30	20	15,276	13,596	0.89	4.17	14,941	13,297	0.89	4.36	14,539	12,940	0.89	4.66
30	22	16,281	12,536	0.77	4.27	15,946	12,278	0.77	4.51	15,544	11,969	0.77	4.81
32	16	13,266	13,266	1.00	3.97	12,864	12,864	1.00	4.19	12,462	12,462	1.00	4.44
32	18	14,204	14,204	1.00	4.04	13,802	13,802	1.00	4.27	13,333	13,333	1.00	4.56
32	20	15,276	14,818	0.97	4.17	14,941	14,493	0.97	4.36	14,539	14,103	0.97	4.66
32	22	16,281	13,839	0.85	4.27	15,946	13,554	0.85	4.51	15,544	13,212	0.85	4.81
34	16	13,266	13,266	1.00	3.97	12,864	12,864	1.00	4.19	12,462	12,462	1.00	4.44
34	18	14,204	14,204	1.00	4.04	13,802	13,802	1.00	4.27	13,333	13,333	1.00	4.56
34	20	15,276	15,276	1.00	4.17	14,941	14,941	1.00	4.36	14,539	14,539	1.00	4.66
34	22	16,281	15,141	0.93	4.27	15,946	14,830	0.93	4.51	15,544	14,456	0.93	4.81

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,926	8,706	0.73	4.76	11,390	8,315	0.73	5.11	10,854	7,923	0.73	5.53
20	18	12,864	7,847	0.61	4.89	12,462	7,602	0.61	5.26	11,658	7,111	0.61	5.65
20	20	13,936	6,829	0.49	5.01	13,400	6,566	0.49	5.36	12,596	6,172	0.49	5.75
22	16	11,926	9,660	0.81	4.76	11,390	9,226	0.81	5.11	10,854	8,792	0.81	5.53
22	18	12,864	8,876	0.69	4.89	12,462	8,599	0.69	5.26	11,658	8,044	0.69	5.65
22	20	13,936	7,944	0.57	5.01	13,400	7,638	0.57	5.36	12,596	7,180	0.57	5.75
24	16	11,926	10,614	0.89	4.76	11,390	10,137	0.89	5.11	10,854	9,660	0.89	5.53
24	18	12,864	9,905	0.77	4.89	12,462	9,596	0.77	5.26	11,658	8,977	0.77	5.65
24	20	13,936	9,058	0.65	5.01	13,400	8,710	0.65	5.36	12,596	8,187	0.65	5.75
24	22	15,008	7,954	0.53	5.11	14,472	7,670	0.53	5.51	13,668	7,244	0.53	5.85
26	16	11,926	11,568	0.97	4.76	11,390	11,048	0.97	5.11	10,854	10,528	0.97	5.53
26	18	12,864	10,934	0.85	4.89	12,462	10,593	0.85	5.26	11,658	9,909	0.85	5.65
26	20	13,936	10,173	0.73	5.01	13,400	9,782	0.73	5.36	12,596	9,195	0.73	5.75
26	22	15,008	9,155	0.61	5.11	14,472	8,828	0.61	5.51	13,668	8,337	0.61	5.85
27	16	11,926	11,926	1.00	4.76	11,390	11,390	1.00	5.11	10,854	10,854	1.00	5.53
27	18	12,864	11,449	0.89	4.89	12,462	11,091	0.89	5.26	11,658	10,376	0.89	5.65
27	20	13,936	10,731	0.77	5.01	13,400	10,318	0.77	5.36	12,596	9,699	0.77	5.75
27	22	15,008	9,755	0.65	5.11	14,472	9,407	0.65	5.51	13,668	8,884	0.65	5.85
28	16	11,926	11,926	1.00	4.76	11,390	11,390	1.00	5.11	10,854	10,854	1.00	5.53
28	18	12,864	11,964	0.93	4.89	12,462	11,590	0.93	5.26	11,658	10,842	0.93	5.65
28	20	13,936	11,288	0.81	5.01	13,400	10,854	0.81	5.36	12,596	10,203	0.81	5.75
28	22	15,008	10,356	0.69	5.11	14,472	9,986	0.69	5.51	13,668	9,431	0.69	5.85
30	16	11,926	11,926	1.00	4.76	11,390	11,390	1.00	5.11	10,854	10,854	1.00	5.53
30	18	12,864	12,864	1.00	4.89	12,462	12,462	1.00	5.26	11,658	11,658	1.00	5.65
30	20	13,936	12,403	0.89	5.01	13,400	11,926	0.89	5.36	12,596	11,210	0.89	5.75
30	22	15,008	11,556	0.77	5.11	14,472	11,143	0.77	5.51	13,668	10,524	0.77	5.85
32	16	11,926	11,926	1.00	4.76	11,390	11,390	1.00	5.11	10,854	10,854	1.00	5.53
32	18	12,864	12,864	1.00	4.89	12,462	12,462	1.00	5.26	11,658	11,658	1.00	5.65
32	20	13,936	13,518	0.97	5.01	13,400	12,998	0.97	5.36	12,596	12,218	0.97	5.75
32	22	15,008	12,757	0.85	5.11	14,472	12,301	0.85	5.51	13,668	11,618	0.85	5.85
34	16	11,926	11,926	1.00	4.76	11,390	11,390	1.00	5.11	10,854	10,854	1.00	5.53
34	18	12,864	12,864	1.00	4.89	12,462	12,462	1.00	5.26	11,658	11,658	1.00	5.65
34	20	13,936	13,936	1.00	5.01	13,400	13,400	1.00	5.36	12,596	12,596	1.00	5.75
34	22	15,008	13,957	0.93	5.11	14,472	13,459	0.93	5.51	13,668	12,711	0.93	5.85

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

HEATING CAPACITY
PEAD-M·JA(L) / PUZ-ZM·VHA PUZ-ZM·VKA PUZ-ZM·YKA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-M35JA(L)	15	2,604	0.54	2,829	0.60	3,157	0.69	4,141	0.83	4,674	0.92	5,207	0.99
	20	2,501	0.59	2,706	0.64	2,993	0.74	3,998	0.89	4,510	0.99	5,023	1.06
	25	2,419	0.62	2,624	0.70	2,870	0.81	3,772	0.94	4,346	1.06	4,838	1.14
PEAD-M50JA(L)	15	3,810	0.77	4,140	0.85	4,620	0.98	6,060	1.18	6,840	1.31	7,620	1.42
	20	3,660	0.84	3,960	0.92	4,380	1.06	5,850	1.27	6,600	1.42	7,350	1.52
	25	3,540	0.89	3,840	1.00	4,200	1.15	5,520	1.35	6,360	1.52	7,080	1.63
PEAD-M60JA(L)	15	4,445	0.95	4,830	1.05	5,390	1.21	7,070	1.45	7,980	1.62	8,890	1.75
	20	4,270	1.03	4,620	1.13	5,110	1.31	6,825	1.57	7,700	1.75	8,575	1.87
	25	4,130	1.10	4,480	1.23	4,900	1.42	6,440	1.66	7,420	1.87	8,260	2.01
PEAD-M71JA(L)	15	5,080	1.14	5,520	1.26	6,160	1.45	8,080	1.74	9,120	1.93	10,160	2.09
	20	4,880	1.24	5,280	1.35	5,840	1.56	7,800	1.87	8,800	2.09	9,800	2.24
	25	4,720	1.31	5,120	1.47	5,600	1.70	7,360	1.99	8,480	2.23	9,440	2.41
PEAD-M100JA(L)	15	7,112	1.53	7,728	1.69	8,624	1.95	11,312	2.34	12,768	2.60	14,224	2.81
	20	6,832	1.66	7,392	1.82	8,176	2.10	10,920	2.52	12,320	2.81	13,720	3.01
	25	6,608	1.77	7,168	1.97	7,840	2.29	10,304	2.68	11,872	3.00	13,216	3.23
PEAD-M125JA(L)	15	8,890	1.98	9,660	2.18	10,780	2.51	14,140	3.01	15,960	3.35	17,780	3.62
	20	8,540	2.14	9,240	2.34	10,220	2.71	13,650	3.25	15,400	3.62	17,150	3.88
	25	8,260	2.28	8,960	2.55	9,800	2.95	12,880	3.45	14,840	3.87	16,520	4.17
PEAD-M140JA(L)	15	10,160	2.34	11,040	2.58	12,320	2.98	16,160	3.57	18,240	3.97	20,320	4.29
	20	9,760	2.54	10,560	2.78	11,680	3.22	15,600	3.85	17,600	4.29	19,600	4.61
	25	9,440	2.70	10,240	3.02	11,200	3.49	14,720	4.09	16,960	4.59	18,880	4.94

Note: CA : Capacity (W) P.C. : Total power input (kW)

PEA-M•LA / PUZ-ZM•YKA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PUZ-ZM200YKA	15	14,224	3.78	15,456	4.16	17,248	4.80	22,624	5.76	25,536	6.40	28,448	6.91
	20	13,664	4.10	14,784	4.48	16,352	5.18	21,840	6.21	24,640	6.91	27,440	7.42
	25	13,216	4.35	14,336	4.86	15,680	5.63	20,608	6.59	23,744	7.39	26,432	7.97
PUZ-ZM250YKA	15	17,145	4.69	18,630	5.16	20,790	5.96	27,270	7.15	30,780	7.94	34,290	8.58
	20	16,470	5.08	17,820	5.56	19,710	6.43	26,325	7.70	29,700	8.58	33,075	9.21
	25	15,930	5.40	17,280	6.04	18,900	6.99	24,840	8.18	28,620	9.17	31,860	9.89

Note: CA : Capacity (W) P.C. : Total power input (kW)

PEAD-M•JA(L) / SUZ-M•VA

	Indoor intake air DB°C	Outdoor intake air WB°C															
		-15		-10		-5		0		5		10		15		20	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
PEAD-M35JA(L)	15	2,050	0.53	2,583	0.663	3,116	0.796	3,649	0.898	4,182	0.969	4,715	1.030	5,207	1.061	5,740	1.081
	21	1,927	0.57	2,460	0.714	2,952	0.847	3,485	0.938	3,977	1.010	4,510	1.061	5,002	1.091	5,515	1.132
	26	1,681	0.61	2,214	0.765	2,747	0.898	3,239	0.989	3,772	1.061	4,305	1.112	4,797	1.142	5,330	1.173
PEAD-M50JA(L)	15	3,000	0.759	3,780	0.949	4,560	1.139	5,340	1.285	6,120	1.387	6,900	1.475	7,620	1.518	8,400	1.548
	21	2,820	0.809	3,600	1.022	4,320	1.212	5,100	1.343	5,820	1.445	6,600	1.518	7,320	1.562	8,070	1.621
	26	2,460	0.876	3,240	1.095	4,020	1.285	4,740	1.416	5,520	1.518	6,300	1.591	7,020	1.635	7,800	1.679
PEAD-M60JA(L)	15	3,500	0.957	4,410	1.196	5,320	1.435	6,230	1.619	7,140	1.748	8,050	1.858	8,890	1.914	9,800	1.950
	21	3,290	1.019	4,200	1.288	5,040	1.527	5,950	1.693	6,790	1.822	7,700	1.914	8,540	1.969	9,415	2.042
	26	2,870	1.104	3,780	1.380	4,690	1.619	5,530	1.785	6,440	1.914	7,350	2.006	8,190	2.061	9,100	2.116
PEAD-M71JA(L)	15	4,000	1.118	5,040	1.398	6,080	1.677	7,120	1.892	8,160	2.043	9,200	2.172	10,160	2.236	11,200	2.279
	21	3,760	1.191	4,800	1.505	5,760	1.785	6,800	1.978	7,760	2.129	8,800	2.236	9,760	2.301	10,760	2.387
	26	3,280	1.290	4,320	1.613	5,360	1.892	6,320	2.086	7,360	2.236	8,400	2.344	9,360	2.408	10,400	2.473

Note: CA : Capacity (W) P.C. : Total power input (kW)

HEATING CAPACITY

PEAD-M•JA(L) / PUZ-M•VKA PUZ-M•YKA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-M100JA(L)	15	7,112	1.73	7,728	1.91	8,624	2.21	11,312	2.65	12,768	2.94	14,224	3.18
	20	6,832	1.88	7,392	2.06	8,176	2.38	10,920	2.85	12,320	3.18	13,720	3.41
	25	6,608	2.00	7,168	2.23	7,840	2.59	10,304	3.03	11,872	3.40	13,216	3.66
PEAD-M125JA(L)	15	8,573	2.20	9,315	2.42	10,395	2.80	13,635	3.36	15,390	3.73	17,145	4.03
	20	8,235	2.39	8,910	2.61	9,855	3.02	13,163	3.62	14,850	4.03	16,538	4.33
	25	7,965	2.54	8,640	2.83	9,450	3.28	12,420	3.84	14,310	4.31	15,930	4.64
PEAD-M140JA(L)	15	9,525	2.45	10,350	2.70	11,550	3.11	15,150	3.74	17,100	4.15	19,050	4.48
	20	9,150	2.66	9,900	2.91	10,950	3.36	14,625	4.03	16,500	4.48	18,375	4.81
	25	8,850	2.82	9,600	3.15	10,500	3.65	13,800	4.27	15,900	4.79	17,700	5.17

Note: CA : Capacity (W) P.C. : Total power input (kW)

PEA-M•LA / PUZ-M•YKA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PUZ-M200YKA	15	14,224	3.89	15,456	4.28	17,248	4.94	22,624	5.93	25,536	6.59	28,448	7.12
	20	13,664	4.22	14,784	4.61	16,352	5.34	21,840	6.39	24,640	7.12	27,440	7.64
	25	13,216	4.48	14,336	5.01	15,680	5.80	20,608	6.79	23,744	7.61	26,432	8.20
PUZ-M250YKA	15	17,145	4.83	18,630	5.32	20,790	6.14	27,270	7.36	30,780	8.18	34,290	8.84
	20	16,470	5.24	17,820	5.73	19,710	6.63	26,325	7.94	29,700	8.84	33,075	9.49
	25	15,930	5.56	17,280	6.22	18,900	7.20	24,840	8.43	28,620	9.45	31,860	10.19

Note: CA : Capacity (W) P.C. : Total power input (kW)

PEAD-SM•JA(L) / SUZ-SM71VA

	Indoor intake air DB°C	Outdoor intake air WB°C															
		-15		-10		-5		0		5		10		15		20	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-SM71JA	15	4,000	1.149	5,040	1.437	6,080	1.724	7,120	1.945	8,160	2.100	9,200	2.232	10,160	2.298	11,200	2.343
	21	3,760	1.224	4,800	1.547	5,760	1.834	6,800	2.033	7,760	2.188	8,800	2.298	9,760	2.365	10,760	2.453
	26	3,280	1.326	4,320	1.658	5,360	1.945	6,320	2.144	7,360	2.298	8,400	2.409	9,360	2.475	10,400	2.542
PEAD-SM71JAL	15	4,000	1.149	5,040	1.437	6,080	1.724	7,120	1.945	8,160	2.100	9,200	2.232	10,160	2.298	11,200	2.343
	21	3,760	1.224	4,800	1.547	5,760	1.834	6,800	2.033	7,760	2.188	8,800	2.298	9,760	2.365	10,760	2.453
	26	3,280	1.326	4,320	1.658	5,360	1.945	6,320	2.144	7,360	2.298	8,400	2.409	9,360	2.475	10,400	2.542

Note: CA : Capacity (W) P.C. : Total power input (kW)

PEAD-SM•JA(L) / PUZ-SM•VKA PUZ-SM•YKA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-SM100JA(L)	15	7,112	1.78	7,728	1.96	8,624	2.27	11,312	2.72	12,768	3.02	14,224	3.26
	20	6,832	1.93	7,392	2.11	8,176	2.45	10,920	2.93	12,320	3.26	13,720	3.50
	25	6,608	2.05	7,168	2.30	7,840	2.66	10,304	3.11	11,872	3.49	13,216	3.76
PEAD-SM125JA(L)	15	8,573	2.27	9,315	2.50	10,395	2.89	13,635	3.47	15,390	3.85	17,145	4.16
	20	8,235	2.46	8,910	2.70	9,855	3.12	13,163	3.73	14,850	4.16	16,538	4.47
	25	7,965	2.62	8,640	2.93	9,450	3.39	12,420	3.97	14,310	4.45	15,930	4.79
PEAD-SM140JA(L)	15	9,525	2.53	10,350	2.78	11,550	3.21	15,150	3.85	17,100	4.28	19,050	4.62
	20	9,150	2.74	9,900	3.00	10,950	3.47	14,625	4.15	16,500	4.62	18,375	4.96
	25	8,850	2.91	9,600	3.25	10,500	3.77	13,800	4.41	15,900	4.94	17,700	5.33

Note: CA : Capacity (W) P.C. : Total power input (kW)

A.6.5.2 R410A type

COOLING CAPACITY

PEAD-M100JA / PUHZ-SHW112VHA(-BS) PUHZ-SHW112YHA(-BS)

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,900	7,821	0.79	2.34	9,600	7,584	0.79	2.47	9,300	7,347	0.79	2.62
20	18	10,600	7,102	0.67	2.38	10,300	6,901	0.67	2.51	9,950	6,667	0.67	2.69
20	20	11,400	6,270	0.55	2.46	11,150	6,133	0.55	2.57	10,850	5,968	0.55	2.75
22	16	9,900	8,613	0.87	2.34	9,600	8,352	0.87	2.47	9,300	8,091	0.87	2.62
22	18	10,600	7,950	0.75	2.38	10,300	7,725	0.75	2.51	9,950	7,463	0.75	2.69
22	20	11,400	7,182	0.63	2.46	11,150	7,025	0.63	2.57	10,850	6,836	0.63	2.75
24	16	9,900	9,405	0.95	2.34	9,600	9,120	0.95	2.47	9,300	8,835	0.95	2.62
24	18	10,600	8,798	0.83	2.38	10,300	8,549	0.83	2.51	9,950	8,259	0.83	2.69
24	20	11,400	8,094	0.71	2.46	11,150	7,917	0.71	2.57	10,850	7,704	0.71	2.75
24	22	12,150	7,169	0.59	2.51	11,900	7,021	0.59	2.66	11,600	6,844	0.59	2.84
26	16	9,900	9,900	1.00	2.34	9,600	9,600	1.00	2.47	9,300	9,300	1.00	2.62
26	18	10,600	9,646	0.91	2.38	10,300	9,373	0.91	2.51	9,950	9,055	0.91	2.69
26	20	11,400	9,006	0.79	2.46	11,150	8,809	0.79	2.57	10,850	8,572	0.79	2.75
26	22	12,150	8,141	0.67	2.51	11,900	7,973	0.67	2.66	11,600	7,772	0.67	2.84
27	16	9,900	9,900	1.00	2.34	9,600	9,600	1.00	2.47	9,300	9,300	1.00	2.62
27	18	10,600	10,070	0.95	2.38	10,300	9,785	0.95	2.51	9,950	9,453	0.95	2.69
27	20	11,400	9,462	0.83	2.46	11,150	9,255	0.83	2.57	10,850	9,006	0.83	2.75
27	22	12,150	8,627	0.71	2.51	11,900	8,449	0.71	2.66	11,600	8,236	0.71	2.84
28	16	9,900	9,900	1.00	2.34	9,600	9,600	1.00	2.47	9,300	9,300	1.00	2.62
28	18	10,600	10,494	0.99	2.38	10,300	10,197	0.99	2.51	9,950	9,851	0.99	2.69
28	20	11,400	9,918	0.87	2.46	11,150	9,701	0.87	2.57	10,850	9,440	0.87	2.75
28	22	12,150	9,113	0.75	2.51	11,900	8,925	0.75	2.66	11,600	8,700	0.75	2.84
30	16	9,900	9,900	1.00	2.34	9,600	9,600	1.00	2.47	9,300	9,300	1.00	2.62
30	18	10,600	10,600	1.00	2.38	10,300	10,300	1.00	2.51	9,950	9,950	1.00	2.69
30	20	11,400	10,830	0.95	2.46	11,150	10,593	0.95	2.57	10,850	10,308	0.95	2.75
30	22	12,150	10,085	0.83	2.51	11,900	9,877	0.83	2.66	11,600	9,628	0.83	2.84
32	16	9,900	9,900	1.00	2.34	9,600	9,600	1.00	2.47	9,300	9,300	1.00	2.62
32	18	10,600	10,600	1.00	2.38	10,300	10,300	1.00	2.51	9,950	9,950	1.00	2.69
32	20	11,400	11,400	1.00	2.46	11,150	11,150	1.00	2.57	10,850	10,850	1.00	2.75
32	22	12,150	11,057	0.91	2.51	11,900	10,829	0.91	2.66	11,600	10,556	0.91	2.84
34	16	9,900	9,900	1.00	2.34	9,600	9,600	1.00	2.47	9,300	9,300	1.00	2.62
34	18	10,600	10,600	1.00	2.38	10,300	10,300	1.00	2.51	9,950	9,950	1.00	2.69
34	20	11,400	11,400	1.00	2.46	11,150	11,150	1.00	2.57	10,850	10,850	1.00	2.75
34	22	12,150	12,029	0.99	2.51	11,900	11,781	0.99	2.66	11,600	11,484	0.99	2.84

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,900	7,031	0.79	2.81	8,500	6,715	0.79	3.01	8,100	6,399	0.79	3.26
20	18	9,600	6,432	0.67	2.88	9,300	6,231	0.67	3.10	8,700	5,829	0.67	3.33
20	20	10,400	5,720	0.55	2.95	10,000	5,500	0.55	3.16	9,400	5,170	0.55	3.39
22	16	8,900	7,743	0.87	2.81	8,500	7,395	0.87	3.01	8,100	7,047	0.87	3.26
22	18	9,600	7,200	0.75	2.88	9,300	6,975	0.75	3.10	8,700	6,525	0.75	3.33
22	20	10,400	6,552	0.63	2.95	10,000	6,300	0.63	3.16	9,400	5,922	0.63	3.39
24	16	8,900	8,455	0.95	2.81	8,500	8,075	0.95	3.01	8,100	7,695	0.95	3.26
24	18	9,600	7,968	0.83	2.88	9,300	7,719	0.83	3.10	8,700	7,221	0.83	3.33
24	20	10,400	7,384	0.71	2.95	10,000	7,100	0.71	3.16	9,400	6,674	0.71	3.39
24	22	11,200	6,608	0.59	3.01	10,800	6,372	0.59	3.25	10,200	6,018	0.59	3.45
26	16	8,900	8,900	1.00	2.81	8,500	8,500	1.00	3.01	8,100	8,100	1.00	3.26
26	18	9,600	8,736	0.91	2.88	9,300	8,463	0.91	3.10	8,700	7,917	0.91	3.33
26	20	10,400	8,216	0.79	2.95	10,000	7,900	0.79	3.16	9,400	7,426	0.79	3.39
26	22	11,200	7,504	0.67	3.01	10,800	7,236	0.67	3.25	10,200	6,834	0.67	3.45
27	16	8,900	8,900	1.00	2.81	8,500	8,500	1.00	3.01	8,100	8,100	1.00	3.26
27	18	9,600	9,120	0.95	2.88	9,300	8,835	0.95	3.10	8,700	8,265	0.95	3.33
27	20	10,400	8,632	0.83	2.95	10,000	8,300	0.83	3.16	9,400	7,802	0.83	3.39
27	22	11,200	7,952	0.71	3.01	10,800	7,668	0.71	3.25	10,200	7,242	0.71	3.45
28	16	8,900	8,900	1.00	2.81	8,500	8,500	1.00	3.01	8,100	8,100	1.00	3.26
28	18	9,600	9,504	0.99	2.88	9,300	9,207	0.99	3.10	8,700	8,613	0.99	3.33
28	20	10,400	9,048	0.87	2.95	10,000	8,700	0.87	3.16	9,400	8,178	0.87	3.39
28	22	11,200	8,400	0.75	3.01	10,800	8,100	0.75	3.25	10,200	7,650	0.75	3.45
30	16	8,900	8,900	1.00	2.81	8,500	8,500	1.00	3.01	8,100	8,100	1.00	3.26
30	18	9,600	9,600	1.00	2.88	9,300	9,300	1.00	3.10	8,700	8,700	1.00	3.33
30	20	10,400	9,880	0.95	2.95	10,000	9,500	0.95	3.16	9,400	8,930	0.95	3.39
30	22	11,200	9,296	0.83	3.01	10,800	8,964	0.83	3.25	10,200	8,466	0.83	3.45
32	16	8,900	8,900	1.00	2.81	8,500	8,500	1.00	3.01	8,100	8,100	1.00	3.26
32	18	9,600	9,600	1.00	2.88	9,300	9,300	1.00	3.10	8,700	8,700	1.00	3.33
32	20	10,400	10,400	1.00	2.95	10,000	10,000	1.00	3.16	9,400	9,400	1.00	3.39
32	22	11,200	10,192	0.91	3.01	10,800	9,828	0.91	3.25	10,200	9,282	0.91	3.45
34	16	8,900	8,900	1.00	2.81	8,500	8,500	1.00	3.01	8,100	8,100	1.00	3.26
34	18	9,600	9,600	1.00	2.88	9,300	9,300	1.00	3.10	8,700	8,700	1.00	3.33
34	20	10,400	10,400	1.00	2.95	10,000	10,000	1.00	3.16	9,400	9,400	1.00	3.39
34	22	11,200	11,088	0.99	3.01	10,800	10,692	0.99	3.25	10,200	10,098	0.99	3.45

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M125JA / PUHZ-SHW140YHA(-BS)

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	SHC (W)	SHF	P.C.	25 CA	SHC (W)	SHF	P.C.	30 CA	SHC (W)	SHF	P.C.
20	16	12,375	9,158	0.74	3.12	12,000	8,880	0.74	3.29	11,625	8,603	0.74	3.49
20	18	13,250	8,215	0.62	3.17	12,875	7,983	0.62	3.35	12,438	7,711	0.62	3.58
20	20	14,250	7,125	0.50	3.27	13,938	6,969	0.50	3.43	13,563	6,781	0.50	3.66
22	16	12,375	10,148	0.82	3.12	12,000	9,840	0.82	3.29	11,625	9,533	0.82	3.49
22	18	13,250	9,275	0.70	3.17	12,875	9,013	0.70	3.35	12,438	8,706	0.70	3.58
22	20	14,250	8,265	0.58	3.27	13,938	8,084	0.58	3.43	13,563	7,866	0.58	3.66
24	16	12,375	11,138	0.90	3.12	12,000	10,800	0.90	3.29	11,625	10,463	0.90	3.49
24	18	13,250	10,335	0.78	3.17	12,875	10,043	0.78	3.35	12,438	9,701	0.78	3.58
24	20	14,250	9,405	0.66	3.27	13,938	9,199	0.66	3.43	13,563	8,951	0.66	3.66
24	22	15,188	8,201	0.54	3.35	14,875	8,033	0.54	3.54	14,500	7,830	0.54	3.78
26	16	12,375	12,128	0.98	3.12	12,000	11,760	0.98	3.29	11,625	11,393	0.98	3.49
26	18	13,250	11,395	0.86	3.17	12,875	11,073	0.86	3.35	12,438	10,696	0.86	3.58
26	20	14,250	10,545	0.74	3.27	13,938	10,314	0.74	3.43	13,563	10,036	0.74	3.66
26	22	15,188	9,416	0.62	3.35	14,875	9,223	0.62	3.54	14,500	8,990	0.62	3.78
27	16	12,375	12,375	1.00	3.12	12,000	12,000	1.00	3.29	11,625	11,625	1.00	3.49
27	18	13,250	11,925	0.90	3.17	12,875	11,588	0.90	3.35	12,438	11,194	0.90	3.58
27	20	14,250	11,115	0.78	3.27	13,938	10,871	0.78	3.43	13,563	10,579	0.78	3.66
27	22	15,188	10,024	0.66	3.35	14,875	9,818	0.66	3.54	14,500	9,570	0.66	3.78
28	16	12,375	12,375	1.00	3.12	12,000	12,000	1.00	3.29	11,625	11,625	1.00	3.49
28	18	13,250	12,455	0.94	3.17	12,875	12,103	0.94	3.35	12,438	11,691	0.94	3.58
28	20	14,250	11,685	0.82	3.27	13,938	11,429	0.82	3.43	13,563	11,121	0.82	3.66
28	22	15,188	10,631	0.70	3.35	14,875	10,413	0.70	3.54	14,500	10,150	0.70	3.78
30	16	12,375	12,375	1.00	3.12	12,000	12,000	1.00	3.29	11,625	11,625	1.00	3.49
30	18	13,250	13,250	1.00	3.17	12,875	12,875	1.00	3.35	12,438	12,438	1.00	3.58
30	20	14,250	12,825	0.90	3.27	13,938	12,544	0.90	3.43	13,563	12,206	0.90	3.66
30	22	15,188	11,846	0.78	3.35	14,875	11,603	0.78	3.54	14,500	11,310	0.78	3.78
32	16	12,375	12,375	1.00	3.12	12,000	12,000	1.00	3.29	11,625	11,625	1.00	3.49
32	18	13,250	13,250	1.00	3.17	12,875	12,875	1.00	3.35	12,438	12,438	1.00	3.58
32	20	14,250	13,965	0.98	3.27	13,938	13,659	0.98	3.43	13,563	13,291	0.98	3.66
32	22	15,188	13,061	0.86	3.35	14,875	12,793	0.86	3.54	14,500	12,470	0.86	3.78
34	16	12,375	12,375	1.00	3.12	12,000	12,000	1.00	3.29	11,625	11,625	1.00	3.49
34	18	13,250	13,250	1.00	3.17	12,875	12,875	1.00	3.35	12,438	12,438	1.00	3.58
34	20	14,250	14,250	1.00	3.27	13,938	13,938	1.00	3.43	13,563	13,563	1.00	3.66
34	22	15,188	14,276	0.94	3.35	14,875	13,983	0.94	3.54	14,500	13,630	0.94	3.78

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	SHC (W)	SHF	P.C.	40 CA	SHC (W)	SHF	P.C.	45 CA	SHC (W)	SHF	P.C.
20	16	11,125	8,233	0.74	3.74	10,625	7,863	0.74	4.01	10,125	7,493	0.74	4.34
20	18	12,000	7,440	0.62	3.84	11,625	7,208	0.62	4.13	10,875	6,743	0.62	4.44
20	20	13,000	6,500	0.50	3.93	12,500	6,250	0.50	4.21	11,750	5,875	0.50	4.52
22	16	11,125	9,123	0.82	3.74	10,625	8,713	0.82	4.01	10,125	8,303	0.82	4.34
22	18	12,000	8,400	0.70	3.84	11,625	8,138	0.70	4.13	10,875	7,613	0.70	4.44
22	20	13,000	7,540	0.58	3.93	12,500	7,250	0.58	4.21	11,750	6,815	0.58	4.52
24	16	11,125	10,013	0.90	3.74	10,625	9,563	0.90	4.01	10,125	9,113	0.90	4.34
24	18	12,000	9,360	0.78	3.84	11,625	9,068	0.78	4.13	10,875	8,483	0.78	4.44
24	20	13,000	8,580	0.66	3.93	12,500	8,250	0.66	4.21	11,750	7,755	0.66	4.52
24	22	14,000	7,560	0.54	4.01	13,500	7,290	0.54	4.32	12,750	6,885	0.54	4.60
26	16	11,125	10,903	0.98	3.74	10,625	10,413	0.98	4.01	10,125	9,923	0.98	4.34
26	18	12,000	10,320	0.86	3.84	11,625	9,998	0.86	4.13	10,875	9,353	0.86	4.44
26	20	13,000	9,620	0.74	3.93	12,500	9,250	0.74	4.21	11,750	8,695	0.74	4.52
26	22	14,000	8,680	0.62	4.01	13,500	8,370	0.62	4.32	12,750	7,905	0.62	4.60
27	16	11,125	11,125	1.00	3.74	10,625	10,625	1.00	4.01	10,125	10,125	1.00	4.34
27	18	12,000	10,800	0.90	3.84	11,625	10,463	0.90	4.13	10,875	9,788	0.90	4.44
27	20	13,000	10,140	0.78	3.93	12,500	9,750	0.78	4.21	11,750	9,165	0.78	4.52
27	22	14,000	9,240	0.66	4.01	13,500	8,910	0.66	4.32	12,750	8,415	0.66	4.60
28	16	11,125	11,125	1.00	3.74	10,625	10,625	1.00	4.01	10,125	10,125	1.00	4.34
28	18	12,000	11,280	0.94	3.84	11,625	10,928	0.94	4.13	10,875	10,223	0.94	4.44
28	20	13,000	10,660	0.82	3.93	12,500	10,250	0.82	4.21	11,750	9,635	0.82	4.52
28	22	14,000	9,800	0.70	4.01	13,500	9,450	0.70	4.32	12,750	8,925	0.70	4.60
30	16	11,125	11,125	1.00	3.74	10,625	10,625	1.00	4.01	10,125	10,125	1.00	4.34
30	18	12,000	12,000	1.00	3.84	11,625	11,625	1.00	4.13	10,875	10,875	1.00	4.44
30	20	13,000	11,700	0.90	3.93	12,500	11,250	0.90	4.21	11,750	10,575	0.90	4.52
30	22	14,000	10,920	0.78	4.01	13,500	10,530	0.78	4.32	12,750	9,945	0.78	4.60
32	16	11,125	11,125	1.00	3.74	10,625	10,625	1.00	4.01	10,125	10,125	1.00	4.34
32	18	12,000	12,000	1.00	3.84	11,625	11,625	1.00	4.13	10,875	10,875	1.00	4.44
32	20	13,000	12,740	0.98	3.93	12,500	12,250	0.98	4.21	11,750	11,515	0.98	4.52
32	22	14,000	12,040	0.86	4.01	13,500	11,610	0.86	4.32	12,750	10,965	0.86	4.60
34	16	11,125	11,125	1.00	3.74	10,625	10,625	1.00	4.01	10,125	10,125	1.00	4.34
34	18	12,000	12,000	1.00	3.84	11,625	11,625	1.00	4.13	10,875	10,875	1.00	4.44
34	20	13,000	13,000	1.00	3.93	12,500	12,500	1.00	4.21	11,750	11,750	1.00	4.52
34	22	14,000	13,160	0.94	4.01	13,500	12,690	0.94	4.32	12,750	11,985	0.94	4.60

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PEAD-M100JAL / PUHZ-SHW112VHA(-BS) PUHZ-SHW112YHA(-BS)

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,900	7,821	0.79	2.32	9,600	7,584	0.79	2.45	9,300	7,347	0.79	2.60
20	18	10,600	7,102	0.67	2.37	10,300	6,901	0.67	2.50	9,950	6,667	0.67	2.67
20	20	11,400	6,270	0.55	2.44	11,150	6,133	0.55	2.56	10,850	5,968	0.55	2.73
22	16	9,900	8,613	0.87	2.32	9,600	8,352	0.87	2.45	9,300	8,091	0.87	2.60
22	18	10,600	7,950	0.75	2.37	10,300	7,725	0.75	2.50	9,950	7,463	0.75	2.67
22	20	11,400	7,182	0.63	2.44	11,150	7,025	0.63	2.56	10,850	6,836	0.63	2.73
24	16	9,900	9,405	0.95	2.32	9,600	9,120	0.95	2.45	9,300	8,835	0.95	2.60
24	18	10,600	8,798	0.83	2.37	10,300	8,549	0.83	2.50	9,950	8,259	0.83	2.67
24	20	11,400	8,094	0.71	2.44	11,150	7,917	0.71	2.56	10,850	7,704	0.71	2.73
24	22	12,150	7,169	0.59	2.50	11,900	7,021	0.59	2.64	11,600	6,844	0.59	2.82
26	16	9,900	9,900	1.00	2.32	9,600	9,600	1.00	2.45	9,300	9,300	1.00	2.60
26	18	10,600	9,646	0.91	2.37	10,300	9,373	0.91	2.50	9,950	9,055	0.91	2.67
26	20	11,400	9,006	0.79	2.44	11,150	8,809	0.79	2.56	10,850	8,572	0.79	2.73
26	22	12,150	8,141	0.67	2.50	11,900	7,973	0.67	2.64	11,600	7,772	0.67	2.82
27	16	9,900	9,900	1.00	2.32	9,600	9,600	1.00	2.45	9,300	9,300	1.00	2.60
27	18	10,600	10,070	0.95	2.37	10,300	9,785	0.95	2.50	9,950	9,453	0.95	2.67
27	20	11,400	9,462	0.83	2.44	11,150	9,255	0.83	2.56	10,850	9,006	0.83	2.73
27	22	12,150	8,627	0.71	2.50	11,900	8,449	0.71	2.64	11,600	8,236	0.71	2.82
28	16	9,900	9,900	1.00	2.32	9,600	9,600	1.00	2.45	9,300	9,300	1.00	2.60
28	18	10,600	10,494	0.99	2.37	10,300	10,197	0.99	2.50	9,950	9,851	0.99	2.67
28	20	11,400	9,918	0.87	2.44	11,150	9,701	0.87	2.56	10,850	9,440	0.87	2.73
28	22	12,150	9,113	0.75	2.50	11,900	8,925	0.75	2.64	11,600	8,700	0.75	2.82
30	16	9,900	9,900	1.00	2.32	9,600	9,600	1.00	2.45	9,300	9,300	1.00	2.60
30	18	10,600	10,600	1.00	2.37	10,300	10,300	1.00	2.50	9,950	9,950	1.00	2.67
30	20	11,400	10,830	0.95	2.44	11,150	10,593	0.95	2.56	10,850	10,308	0.95	2.73
30	22	12,150	10,085	0.83	2.50	11,900	9,877	0.83	2.64	11,600	9,628	0.83	2.82
32	16	9,900	9,900	1.00	2.32	9,600	9,600	1.00	2.45	9,300	9,300	1.00	2.60
32	18	10,600	10,600	1.00	2.37	10,300	10,300	1.00	2.50	9,950	9,950	1.00	2.67
32	20	11,400	11,400	1.00	2.44	11,150	11,150	1.00	2.56	10,850	10,850	1.00	2.73
32	22	12,150	11,057	0.91	2.50	11,900	10,829	0.91	2.64	11,600	10,556	0.91	2.82
34	16	9,900	9,900	1.00	2.32	9,600	9,600	1.00	2.45	9,300	9,300	1.00	2.60
34	18	10,600	10,600	1.00	2.37	10,300	10,300	1.00	2.50	9,950	9,950	1.00	2.67
34	20	11,400	11,400	1.00	2.44	11,150	11,150	1.00	2.56	10,850	10,850	1.00	2.73
34	22	12,150	12,029	0.99	2.50	11,900	11,781	0.99	2.64	11,600	11,484	0.99	2.82

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,900	7,031	0.79	2.79	8,500	6,715	0.79	2.99	8,100	6,399	0.79	3.24
20	18	9,600	6,432	0.67	2.86	9,300	6,231	0.67	3.08	8,700	5,829	0.67	3.31
20	20	10,400	5,720	0.55	2.93	10,000	5,500	0.55	3.14	9,400	5,170	0.55	3.37
22	16	8,900	7,743	0.87	2.79	8,500	7,395	0.87	2.99	8,100	7,047	0.87	3.24
22	18	9,600	7,200	0.75	2.86	9,300	6,975	0.75	3.08	8,700	6,525	0.75	3.31
22	20	10,400	6,552	0.63	2.93	10,000	6,300	0.63	3.14	9,400	5,922	0.63	3.37
24	16	8,900	8,455	0.95	2.79	8,500	8,075	0.95	2.99	8,100	7,695	0.95	3.24
24	18	9,600	7,968	0.83	2.86	9,300	7,719	0.83	3.08	8,700	7,221	0.83	3.31
24	20	10,400	7,384	0.71	2.93	10,000	7,100	0.71	3.14	9,400	6,674	0.71	3.37
24	22	11,200	6,608	0.59	2.99	10,800	6,372	0.59	3.22	10,200	6,018	0.59	3.43
26	16	8,900	8,900	1.00	2.79	8,500	8,500	1.00	2.99	8,100	8,100	1.00	3.24
26	18	9,600	8,736	0.91	2.86	9,300	8,463	0.91	3.08	8,700	7,917	0.91	3.31
26	20	10,400	8,216	0.79	2.93	10,000	7,900	0.79	3.14	9,400	7,426	0.79	3.37
26	22	11,200	7,504	0.67	2.99	10,800	7,236	0.67	3.22	10,200	6,834	0.67	3.43
27	16	8,900	8,900	1.00	2.79	8,500	8,500	1.00	2.99	8,100	8,100	1.00	3.24
27	18	9,600	9,120	0.95	2.86	9,300	8,835	0.95	3.08	8,700	8,265	0.95	3.31
27	20	10,400	8,632	0.83	2.93	10,000	8,300	0.83	3.14	9,400	7,802	0.83	3.37
27	22	11,200	7,952	0.71	2.99	10,800	7,668	0.71	3.22	10,200	7,242	0.71	3.43
28	16	8,900	8,900	1.00	2.79	8,500	8,500	1.00	2.99	8,100	8,100	1.00	3.24
28	18	9,600	9,504	0.99	2.86	9,300	9,207	0.99	3.08	8,700	8,613	0.99	3.31
28	20	10,400	9,048	0.87	2.93	10,000	8,700	0.87	3.14	9,400	8,178	0.87	3.37
28	22	11,200	8,400	0.75	2.99	10,800	8,100	0.75	3.22	10,200	7,650	0.75	3.43
30	16	8,900	8,900	1.00	2.79	8,500	8,500	1.00	2.99	8,100	8,100	1.00	3.24
30	18	9,600	9,600	1.00	2.86	9,300	9,300	1.00	3.08	8,700	8,700	1.00	3.31
30	20	10,400	9,880	0.95	2.93	10,000	9,500	0.95	3.14	9,400	8,930	0.95	3.37
30	22	11,200	9,296	0.83	2.99	10,800	8,964	0.83	3.22	10,200	8,466	0.83	3.43
32	16	8,900	8,900	1.00	2.79	8,500	8,500	1.00	2.99	8,100	8,100	1.00	3.24
32	18	9,600	9,600	1.00	2.86	9,300	9,300	1.00	3.08	8,700	8,700	1.00	3.31
32	20	10,400	10,400	1.00	2.93	10,000	10,000	1.00	3.14	9,400	9,400	1.00	3.37
32	22	11,200	10,192	0.91	2.99	10,800	9,828	0.91	3.22	10,200	9,282	0.91	3.43
34	16	8,900	8,900	1.00	2.79	8,500	8,500	1.00	2.99	8,100	8,100	1.00	3.24
34	18	9,600	9,600	1.00	2.86	9,300	9,300	1.00	3.08	8,700	8,700	1.00	3.31
34	20	10,400	10,400	1.00	2.93	10,000	10,000	1.00	3.14	9,400	9,400	1.00	3.37
34	22	11,200	11,088	0.99	2.99	10,800	10,692	0.99	3.22	10,200	10,098	0.99	3.43

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M125JAL / PUHZ-SHW140YHA(-BS)

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	12,375	9,158	0.74	3.10	12,000	8,880	0.74	3.27	11,625	8,603	0.74	3.47
20	18	13,250	8,215	0.62	3.16	12,875	7,983	0.62	3.33	12,438	7,711	0.62	3.57
20	20	14,250	7,125	0.50	3.26	13,938	6,969	0.50	3.41	13,563	6,781	0.50	3.64
22	16	12,375	10,148	0.82	3.10	12,000	9,840	0.82	3.27	11,625	9,533	0.82	3.47
22	18	13,250	9,275	0.70	3.16	12,875	9,013	0.70	3.33	12,438	8,706	0.70	3.57
22	20	14,250	8,265	0.58	3.26	13,938	8,084	0.58	3.41	13,563	7,866	0.58	3.64
24	16	12,375	11,138	0.90	3.10	12,000	10,800	0.90	3.27	11,625	10,463	0.90	3.47
24	18	13,250	10,335	0.78	3.16	12,875	10,043	0.78	3.33	12,438	9,701	0.78	3.57
24	20	14,250	9,405	0.66	3.26	13,938	9,199	0.66	3.41	13,563	8,951	0.66	3.64
24	22	15,188	8,201	0.54	3.33	14,875	8,033	0.54	3.53	14,500	7,830	0.54	3.76
26	16	12,375	12,128	0.98	3.10	12,000	11,760	0.98	3.27	11,625	11,393	0.98	3.47
26	18	13,250	11,395	0.86	3.16	12,875	11,073	0.86	3.33	12,438	10,696	0.86	3.57
26	20	14,250	10,545	0.74	3.26	13,938	10,314	0.74	3.41	13,563	10,036	0.74	3.64
26	22	15,188	9,416	0.62	3.33	14,875	9,223	0.62	3.53	14,500	8,990	0.62	3.76
27	16	12,375	12,375	1.00	3.10	12,000	12,000	1.00	3.27	11,625	11,625	1.00	3.47
27	18	13,250	11,925	0.90	3.16	12,875	11,588	0.90	3.33	12,438	11,194	0.90	3.57
27	20	14,250	11,115	0.78	3.26	13,938	10,871	0.78	3.41	13,563	10,579	0.78	3.64
27	22	15,188	10,024	0.66	3.33	14,875	9,818	0.66	3.53	14,500	9,570	0.66	3.76
28	16	12,375	12,375	1.00	3.10	12,000	12,000	1.00	3.27	11,625	11,625	1.00	3.47
28	18	13,250	12,455	0.94	3.16	12,875	12,103	0.94	3.33	12,438	11,691	0.94	3.57
28	20	14,250	11,685	0.82	3.26	13,938	11,429	0.82	3.41	13,563	11,121	0.82	3.64
28	22	15,188	10,631	0.70	3.33	14,875	10,413	0.70	3.53	14,500	10,150	0.70	3.76
30	16	12,375	12,375	1.00	3.10	12,000	12,000	1.00	3.27	11,625	11,625	1.00	3.47
30	18	13,250	13,250	1.00	3.16	12,875	12,875	1.00	3.33	12,438	12,438	1.00	3.57
30	20	14,250	12,825	0.90	3.26	13,938	12,544	0.90	3.41	13,563	12,206	0.90	3.64
30	22	15,188	11,846	0.78	3.33	14,875	11,603	0.78	3.53	14,500	11,310	0.78	3.76
32	16	12,375	12,375	1.00	3.10	12,000	12,000	1.00	3.27	11,625	11,625	1.00	3.47
32	18	13,250	13,250	1.00	3.16	12,875	12,875	1.00	3.33	12,438	12,438	1.00	3.57
32	20	14,250	13,965	0.98	3.26	13,938	13,659	0.98	3.41	13,563	13,291	0.98	3.64
32	22	15,188	13,061	0.86	3.33	14,875	12,793	0.86	3.53	14,500	12,470	0.86	3.76
34	16	12,375	12,375	1.00	3.10	12,000	12,000	1.00	3.27	11,625	11,625	1.00	3.47
34	18	13,250	13,250	1.00	3.16	12,875	12,875	1.00	3.33	12,438	12,438	1.00	3.57
34	20	14,250	14,250	1.00	3.26	13,938	13,938	1.00	3.41	13,563	13,563	1.00	3.64
34	22	15,188	14,276	0.94	3.33	14,875	13,983	0.94	3.53	14,500	13,630	0.94	3.76

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,125	8,233	0.74	3.72	10,625	7,863	0.74	3.99	10,125	7,493	0.74	4.32
20	18	12,000	7,440	0.62	3.82	11,625	7,208	0.62	4.11	10,875	6,743	0.62	4.42
20	20	13,000	6,500	0.50	3.91	12,500	6,250	0.50	4.19	11,750	5,875	0.50	4.50
22	16	11,125	9,123	0.82	3.72	10,625	8,713	0.82	3.99	10,125	8,303	0.82	4.32
22	18	12,000	8,400	0.70	3.82	11,625	8,138	0.70	4.11	10,875	7,613	0.70	4.42
22	20	13,000	7,540	0.58	3.91	12,500	7,250	0.58	4.19	11,750	6,815	0.58	4.50
24	16	11,125	10,013	0.90	3.72	10,625	9,563	0.90	3.99	10,125	9,113	0.90	4.32
24	18	12,000	9,360	0.78	3.82	11,625	9,068	0.78	4.11	10,875	8,483	0.78	4.42
24	20	13,000	8,580	0.66	3.91	12,500	8,250	0.66	4.19	11,750	7,755	0.66	4.50
24	22	14,000	7,560	0.54	3.99	13,500	7,290	0.54	4.30	12,750	6,885	0.54	4.57
26	16	11,125	10,903	0.98	3.72	10,625	10,413	0.98	3.99	10,125	9,923	0.98	4.32
26	18	12,000	10,320	0.86	3.82	11,625	9,998	0.86	4.11	10,875	9,353	0.86	4.42
26	20	13,000	9,620	0.74	3.91	12,500	9,250	0.74	4.19	11,750	8,695	0.74	4.50
26	22	14,000	8,680	0.62	3.99	13,500	8,370	0.62	4.30	12,750	7,905	0.62	4.57
27	16	11,125	11,125	1.00	3.72	10,625	10,625	1.00	3.99	10,125	10,125	1.00	4.32
27	18	12,000	10,800	0.90	3.82	11,625	10,463	0.90	4.11	10,875	9,788	0.90	4.42
27	20	13,000	10,140	0.78	3.91	12,500	9,750	0.78	4.19	11,750	9,165	0.78	4.50
27	22	14,000	9,240	0.66	3.99	13,500	8,910	0.66	4.30	12,750	8,415	0.66	4.57
28	16	11,125	11,125	1.00	3.72	10,625	10,625	1.00	3.99	10,125	10,125	1.00	4.32
28	18	12,000	11,280	0.94	3.82	11,625	10,928	0.94	4.11	10,875	10,223	0.94	4.42
28	20	13,000	10,660	0.82	3.91	12,500	10,250	0.82	4.19	11,750	9,635	0.82	4.50
28	22	14,000	9,800	0.70	3.99	13,500	9,450	0.70	4.30	12,750	8,925	0.70	4.57
30	16	11,125	11,125	1.00	3.72	10,625	10,625	1.00	3.99	10,125	10,125	1.00	4.32
30	18	12,000	12,000	1.00	3.82	11,625	11,625	1.00	4.11	10,875	10,875	1.00	4.42
30	20	13,000	11,700	0.90	3.91	12,500	11,250	0.90	4.19	11,750	10,575	0.90	4.50
30	22	14,000	10,920	0.78	3.99	13,500	10,530	0.78	4.30	12,750	9,945	0.78	4.57
32	16	11,125	11,125	1.00	3.72	10,625	10,625	1.00	3.99	10,125	10,125	1.00	4.32
32	18	12,000	12,000	1.00	3.82	11,625	11,625	1.00	4.11	10,875	10,875	1.00	4.42
32	20	13,000	12,740	0.98	3.91	12,500	12,250	0.98	4.19	11,750	11,515	0.98	4.50
32	22	14,000	12,040	0.86	3.99	13,500	11,610	0.86	4.30	12,750	10,965	0.86	4.57
34	16	11,125	11,125	1.00	3.72	10,625	10,625	1.00	3.99	10,125	10,125	1.00	4.32
34	18	12,000	12,000	1.00	3.82	11,625	11,625	1.00	4.11	10,875	10,875	1.00	4.42
34	20	13,000	13,000	1.00	3.91	12,500	12,500	1.00	4.19	11,750	11,750	1.00	4.50
34	22	14,000	13,160	0.94	3.99	13,500	12,690	0.94	4.30	12,750	11,985	0.94	4.57

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M35JA / PUHZ-ZRP35VKA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	3,564	2,673	0.75	0.71	3,456	2,592	0.75	0.75	3,348	2,511	0.75	0.80
20	18	3,816	2,404	0.63	0.73	3,708	2,336	0.63	0.77	3,582	2,257	0.63	0.82
20	20	4,104	2,093	0.51	0.75	4,014	2,047	0.51	0.78	3,906	1,992	0.51	0.84
22	16	3,564	2,958	0.83	0.71	3,456	2,868	0.83	0.75	3,348	2,779	0.83	0.80
22	18	3,816	2,709	0.71	0.73	3,708	2,633	0.71	0.77	3,582	2,543	0.71	0.82
22	20	4,104	2,421	0.59	0.75	4,014	2,368	0.59	0.78	3,906	2,305	0.59	0.84
24	16	3,564	3,243	0.91	0.71	3,456	3,145	0.91	0.75	3,348	3,047	0.91	0.80
24	18	3,816	3,015	0.79	0.73	3,708	2,929	0.79	0.77	3,582	2,830	0.79	0.82
24	20	4,104	2,750	0.67	0.75	4,014	2,689	0.67	0.78	3,906	2,617	0.67	0.84
24	22	4,374	2,406	0.55	0.77	4,284	2,356	0.55	0.81	4,176	2,297	0.55	0.86
26	16	3,564	3,528	0.99	0.71	3,456	3,421	0.99	0.75	3,348	3,315	0.99	0.80
26	18	3,816	3,320	0.87	0.73	3,708	3,226	0.87	0.77	3,582	3,116	0.87	0.82
26	20	4,104	3,078	0.75	0.75	4,014	3,011	0.75	0.78	3,906	2,930	0.75	0.84
26	22	4,374	2,756	0.63	0.77	4,284	2,699	0.63	0.81	4,176	2,631	0.63	0.86
27	16	3,564	3,564	1.00	0.71	3,456	3,456	1.00	0.75	3,348	3,348	1.00	0.80
27	18	3,816	3,473	0.91	0.73	3,708	3,374	0.91	0.77	3,582	3,260	0.91	0.82
27	20	4,104	3,242	0.79	0.75	4,014	3,171	0.79	0.78	3,906	3,086	0.79	0.84
27	22	4,374	2,931	0.67	0.77	4,284	2,870	0.67	0.81	4,176	2,798	0.67	0.86
28	16	3,564	3,564	1.00	0.71	3,456	3,456	1.00	0.75	3,348	3,348	1.00	0.80
28	18	3,816	3,625	0.95	0.73	3,708	3,523	0.95	0.77	3,582	3,403	0.95	0.82
28	20	4,104	3,406	0.83	0.75	4,014	3,332	0.83	0.78	3,906	3,242	0.83	0.84
28	22	4,374	3,106	0.71	0.77	4,284	3,042	0.71	0.81	4,176	2,965	0.71	0.86
30	16	3,564	3,564	1.00	0.71	3,456	3,456	1.00	0.75	3,348	3,348	1.00	0.80
30	18	3,816	3,816	1.00	0.73	3,708	3,708	1.00	0.77	3,582	3,582	1.00	0.82
30	20	4,104	3,735	0.91	0.75	4,014	3,653	0.91	0.78	3,906	3,554	0.91	0.84
30	22	4,374	3,455	0.79	0.77	4,284	3,384	0.79	0.81	4,176	3,299	0.79	0.86
32	16	3,564	3,564	1.00	0.71	3,456	3,456	1.00	0.75	3,348	3,348	1.00	0.80
32	18	3,816	3,816	1.00	0.73	3,708	3,708	1.00	0.77	3,582	3,582	1.00	0.82
32	20	4,104	4,063	0.99	0.75	4,014	3,974	0.99	0.78	3,906	3,867	0.99	0.84
32	22	4,374	3,805	0.87	0.77	4,284	3,727	0.87	0.81	4,176	3,633	0.87	0.86
34	16	3,564	3,564	1.00	0.71	3,456	3,456	1.00	0.75	3,348	3,348	1.00	0.80
34	18	3,816	3,816	1.00	0.73	3,708	3,708	1.00	0.77	3,582	3,582	1.00	0.82
34	20	4,104	4,104	1.00	0.75	4,014	4,014	1.00	0.78	3,906	3,906	1.00	0.84
34	22	4,374	4,155	0.95	0.77	4,284	4,070	0.95	0.81	4,176	3,967	0.95	0.86

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	3,204	2,403	0.75	0.85	3,060	2,295	0.75	0.92	2,916	2,187	0.75	0.99
20	18	3,456	2,177	0.63	0.88	3,348	2,109	0.63	0.94	3,132	1,973	0.63	1.01
20	20	3,744	1,909	0.51	0.90	3,600	1,836	0.51	0.96	3,384	1,726	0.51	1.03
22	16	3,204	2,659	0.83	0.85	3,060	2,540	0.83	0.92	2,916	2,420	0.83	0.99
22	18	3,456	2,454	0.71	0.88	3,348	2,377	0.71	0.94	3,132	2,224	0.71	1.01
22	20	3,744	2,209	0.59	0.90	3,600	2,124	0.59	0.96	3,384	1,997	0.59	1.03
24	16	3,204	2,916	0.91	0.85	3,060	2,785	0.91	0.92	2,916	2,654	0.91	0.99
24	18	3,456	2,730	0.79	0.88	3,348	2,645	0.79	0.94	3,132	2,474	0.79	1.01
24	20	3,744	2,508	0.67	0.90	3,600	2,412	0.67	0.96	3,384	2,267	0.67	1.03
24	22	4,032	2,218	0.55	0.92	3,888	2,138	0.55	0.99	3,672	2,020	0.55	1.05
26	16	3,204	3,172	0.99	0.85	3,060	3,029	0.99	0.92	2,916	2,887	0.99	0.99
26	18	3,456	3,007	0.87	0.88	3,348	2,913	0.87	0.94	3,132	2,725	0.87	1.01
26	20	3,744	2,808	0.75	0.90	3,600	2,700	0.75	0.96	3,384	2,538	0.75	1.03
26	22	4,032	2,540	0.63	0.92	3,888	2,449	0.63	0.99	3,672	2,313	0.63	1.05
27	16	3,204	3,204	1.00	0.85	3,060	3,060	1.00	0.92	2,916	2,916	1.00	0.99
27	18	3,456	3,145	0.91	0.88	3,348	3,047	0.91	0.94	3,132	2,850	0.91	1.01
27	20	3,744	2,958	0.79	0.90	3,600	2,844	0.79	0.96	3,384	2,673	0.79	1.03
27	22	4,032	2,701	0.67	0.92	3,888	2,605	0.67	0.99	3,672	2,460	0.67	1.05
28	16	3,204	3,204	1.00	0.85	3,060	3,060	1.00	0.92	2,916	2,916	1.00	0.99
28	18	3,456	3,283	0.95	0.88	3,348	3,181	0.95	0.94	3,132	2,975	0.95	1.01
28	20	3,744	3,108	0.83	0.90	3,600	2,988	0.83	0.96	3,384	2,809	0.83	1.03
28	22	4,032	2,863	0.71	0.92	3,888	2,760	0.71	0.99	3,672	2,607	0.71	1.05
30	16	3,204	3,204	1.00	0.85	3,060	3,060	1.00	0.92	2,916	2,916	1.00	0.99
30	18	3,456	3,456	1.00	0.88	3,348	3,348	1.00	0.94	3,132	3,132	1.00	1.01
30	20	3,744	3,407	0.91	0.90	3,600	3,276	0.91	0.96	3,384	3,079	0.91	1.03
30	22	4,032	3,185	0.79	0.92	3,888	3,072	0.79	0.99	3,672	2,901	0.79	1.05
32	16	3,204	3,204	1.00	0.85	3,060	3,060	1.00	0.92	2,916	2,916	1.00	0.99
32	18	3,456	3,456	1.00	0.88	3,348	3,348	1.00	0.94	3,132	3,132	1.00	1.01
32	20	3,744	3,707	0.99	0.90	3,600	3,564	0.99	0.96	3,384	3,350	0.99	1.03
32	22	4,032	3,508	0.87	0.92	3,888	3,383	0.87	0.99	3,672	3,195	0.87	1.05
34	16	3,204	3,204	1.00	0.85	3,060	3,060	1.00	0.92	2,916	2,916	1.00	0.99
34	18	3,456	3,456	1.00	0.88	3,348	3,348	1.00	0.94	3,132	3,132	1.00	1.01
34	20	3,744	3,744	1.00	0.90	3,600	3,600	1.00	0.96	3,384	3,384	1.00	1.03
34	22	4,032	3,830	0.95	0.92	3,888	3,694	0.95	0.99	3,672	3,488	0.95	1.05

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M50JA / PUHZ-ZRP50VKA2

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		20				25				30			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	4,950	3,663	0.74	1.15	4,800	3,552	0.74	1.22	4,650	3,441	0.74	1.29
20	18	5,300	3,286	0.62	1.17	5,150	3,193	0.62	1.24	4,975	3,085	0.62	1.32
20	20	5,700	2,850	0.50	1.21	5,575	2,788	0.50	1.27	5,425	2,713	0.50	1.35
22	16	4,950	4,059	0.82	1.15	4,800	3,936	0.82	1.22	4,650	3,813	0.82	1.29
22	18	5,300	3,710	0.70	1.17	5,150	3,605	0.70	1.24	4,975	3,483	0.70	1.32
22	20	5,700	3,306	0.58	1.21	5,575	3,234	0.58	1.27	5,425	3,147	0.58	1.35
24	16	4,950	4,455	0.90	1.15	4,800	4,320	0.90	1.22	4,650	4,185	0.90	1.29
24	18	5,300	4,134	0.78	1.17	5,150	4,017	0.78	1.24	4,975	3,881	0.78	1.32
24	20	5,700	3,762	0.66	1.21	5,575	3,680	0.66	1.27	5,425	3,581	0.66	1.35
24	22	6,075	3,281	0.54	1.24	5,950	3,213	0.54	1.31	5,800	3,132	0.54	1.40
26	16	4,950	4,851	0.98	1.15	4,800	4,704	0.98	1.22	4,650	4,557	0.98	1.29
26	18	5,300	4,558	0.86	1.17	5,150	4,429	0.86	1.24	4,975	4,279	0.86	1.32
26	20	5,700	4,218	0.74	1.21	5,575	4,126	0.74	1.27	5,425	4,015	0.74	1.35
26	22	6,075	3,767	0.62	1.24	5,950	3,689	0.62	1.31	5,800	3,596	0.62	1.40
27	16	4,950	4,950	1.00	1.15	4,800	4,800	1.00	1.22	4,650	4,650	1.00	1.29
27	18	5,300	4,770	0.90	1.17	5,150	4,635	0.90	1.24	4,975	4,478	0.90	1.32
27	20	5,700	4,446	0.78	1.21	5,575	4,349	0.78	1.27	5,425	4,232	0.78	1.35
27	22	6,075	4,010	0.66	1.24	5,950	3,927	0.66	1.31	5,800	3,828	0.66	1.40
28	16	4,950	4,950	1.00	1.15	4,800	4,800	1.00	1.22	4,650	4,650	1.00	1.29
28	18	5,300	4,982	0.94	1.17	5,150	4,841	0.94	1.24	4,975	4,677	0.94	1.32
28	20	5,700	4,674	0.82	1.21	5,575	4,572	0.82	1.27	5,425	4,449	0.82	1.35
28	22	6,075	4,253	0.70	1.24	5,950	4,165	0.70	1.31	5,800	4,060	0.70	1.40
30	16	4,950	4,950	1.00	1.15	4,800	4,800	1.00	1.22	4,650	4,650	1.00	1.29
30	18	5,300	5,300	1.00	1.17	5,150	5,150	1.00	1.24	4,975	4,975	1.00	1.32
30	20	5,700	5,130	0.90	1.21	5,575	5,018	0.90	1.27	5,425	4,883	0.90	1.35
30	22	6,075	4,739	0.78	1.24	5,950	4,641	0.78	1.31	5,800	4,524	0.78	1.40
32	16	4,950	4,950	1.00	1.15	4,800	4,800	1.00	1.22	4,650	4,650	1.00	1.29
32	18	5,300	5,300	1.00	1.17	5,150	5,150	1.00	1.24	4,975	4,975	1.00	1.32
32	20	5,700	5,586	0.98	1.21	5,575	5,464	0.98	1.27	5,425	5,317	0.98	1.35
32	22	6,075	5,225	0.86	1.24	5,950	5,117	0.86	1.31	5,800	4,988	0.86	1.40
34	16	4,950	4,950	1.00	1.15	4,800	4,800	1.00	1.22	4,650	4,650	1.00	1.29
34	18	5,300	5,300	1.00	1.17	5,150	5,150	1.00	1.24	4,975	4,975	1.00	1.32
34	20	5,700	5,700	1.00	1.21	5,575	5,575	1.00	1.27	5,425	5,425	1.00	1.35
34	22	6,075	5,711	0.94	1.24	5,950	5,593	0.94	1.31	5,800	5,452	0.94	1.40

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		35				40				45			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	4,450	3,293	0.74	1.38	4,250	3,145	0.74	1.48	4,050	2,997	0.74	1.61
20	18	4,800	2,976	0.62	1.42	4,650	2,883	0.62	1.53	4,350	2,697	0.62	1.64
20	20	5,200	2,600	0.50	1.45	5,000	2,500	0.50	1.56	4,700	2,350	0.50	1.67
22	16	4,450	3,649	0.82	1.38	4,250	3,485	0.82	1.48	4,050	3,321	0.82	1.61
22	18	4,800	3,360	0.70	1.42	4,650	3,255	0.70	1.53	4,350	3,045	0.70	1.64
22	20	5,200	3,016	0.58	1.45	5,000	2,900	0.58	1.56	4,700	2,726	0.58	1.67
24	16	4,450	4,005	0.90	1.38	4,250	3,825	0.90	1.48	4,050	3,645	0.90	1.61
24	18	4,800	3,744	0.78	1.42	4,650	3,627	0.78	1.53	4,350	3,393	0.78	1.64
24	20	5,200	3,432	0.66	1.45	5,000	3,300	0.66	1.56	4,700	3,102	0.66	1.67
24	22	5,600	3,024	0.54	1.48	5,400	2,916	0.54	1.60	5,100	2,754	0.54	1.70
26	16	4,450	4,361	0.98	1.38	4,250	4,165	0.98	1.48	4,050	3,969	0.98	1.61
26	18	4,800	4,128	0.86	1.42	4,650	3,999	0.86	1.53	4,350	3,741	0.86	1.64
26	20	5,200	3,848	0.74	1.45	5,000	3,700	0.74	1.56	4,700	3,478	0.74	1.67
26	22	5,600	3,472	0.62	1.48	5,400	3,348	0.62	1.60	5,100	3,162	0.62	1.70
27	16	4,450	4,450	1.00	1.38	4,250	4,250	1.00	1.48	4,050	4,050	1.00	1.61
27	18	4,800	4,320	0.90	1.42	4,650	4,185	0.90	1.53	4,350	3,915	0.90	1.64
27	20	5,200	4,056	0.78	1.45	5,000	3,900	0.78	1.56	4,700	3,666	0.78	1.67
27	22	5,600	3,696	0.66	1.48	5,400	3,564	0.66	1.60	5,100	3,366	0.66	1.70
28	16	4,450	4,450	1.00	1.38	4,250	4,250	1.00	1.48	4,050	4,050	1.00	1.61
28	18	4,800	4,512	0.94	1.42	4,650	4,371	0.94	1.53	4,350	4,089	0.94	1.64
28	20	5,200	4,264	0.82	1.45	5,000	4,100	0.82	1.56	4,700	3,854	0.82	1.67
28	22	5,600	3,920	0.70	1.48	5,400	3,780	0.70	1.60	5,100	3,570	0.70	1.70
30	16	4,450	4,450	1.00	1.38	4,250	4,250	1.00	1.48	4,050	4,050	1.00	1.61
30	18	4,800	4,800	1.00	1.42	4,650	4,650	1.00	1.53	4,350	4,350	1.00	1.64
30	20	5,200	4,680	0.90	1.45	5,000	4,500	0.90	1.56	4,700	4,230	0.90	1.67
30	22	5,600	4,368	0.78	1.48	5,400	4,212	0.78	1.60	5,100	3,978	0.78	1.70
32	16	4,450	4,450	1.00	1.38	4,250	4,250	1.00	1.48	4,050	4,050	1.00	1.61
32	18	4,800	4,800	1.00	1.42	4,650	4,650	1.00	1.53	4,350	4,350	1.00	1.64
32	20	5,200	5,096	0.98	1.45	5,000	4,900	0.98	1.56	4,700	4,606	0.98	1.67
32	22	5,600	4,816	0.86	1.48	5,400	4,644	0.86	1.60	5,100	4,386	0.86	1.70
34	16	4,450	4,450	1.00	1.38	4,250	4,250	1.00	1.48	4,050	4,050	1.00	1.61
34	18	4,800	4,800	1.00	1.42	4,650	4,650	1.00	1.53	4,350	4,350	1.00	1.64
34	20	5,200	5,200	1.00	1.45	5,000	5,000	1.00	1.56	4,700	4,700	1.00	1.67
34	22	5,600	5,264	0.94	1.48	5,400	5,076	0.94	1.60	5,100	4,794	0.94	1.70

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M60JA / PUHZ-ZRP60VHA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	6,039	4,408	0.73	1.32	5,856	4,275	0.73	1.39	5,673	4,141	0.73	1.48
20	18	6,466	3,944	0.61	1.34	6,283	3,833	0.61	1.42	6,070	3,702	0.61	1.52
20	20	6,954	3,407	0.49	1.39	6,802	3,333	0.49	1.45	6,619	3,243	0.49	1.55
22	16	6,039	4,892	0.81	1.32	5,856	4,743	0.81	1.39	5,673	4,595	0.81	1.48
22	18	6,466	4,462	0.69	1.34	6,283	4,335	0.69	1.42	6,070	4,188	0.69	1.52
22	20	6,954	3,964	0.57	1.39	6,802	3,877	0.57	1.45	6,619	3,773	0.57	1.55
24	16	6,039	5,375	0.89	1.32	5,856	5,212	0.89	1.39	5,673	5,049	0.89	1.48
24	18	6,466	4,979	0.77	1.34	6,283	4,838	0.77	1.42	6,070	4,674	0.77	1.52
24	20	6,954	4,520	0.65	1.39	6,802	4,421	0.65	1.45	6,619	4,302	0.65	1.55
24	22	7,412	3,928	0.53	1.42	7,259	3,847	0.53	1.50	7,076	3,750	0.53	1.60
26	16	6,039	5,858	0.97	1.32	5,856	5,680	0.97	1.39	5,673	5,503	0.97	1.48
26	18	6,466	5,496	0.85	1.34	6,283	5,341	0.85	1.42	6,070	5,159	0.85	1.52
26	20	6,954	5,076	0.73	1.39	6,802	4,965	0.73	1.45	6,619	4,832	0.73	1.55
26	22	7,412	4,521	0.61	1.42	7,259	4,428	0.61	1.50	7,076	4,316	0.61	1.60
27	16	6,039	6,039	1.00	1.32	5,856	5,856	1.00	1.39	5,673	5,673	1.00	1.48
27	18	6,466	5,755	0.89	1.34	6,283	5,592	0.89	1.42	6,070	5,402	0.89	1.52
27	20	6,954	5,355	0.77	1.39	6,802	5,237	0.77	1.45	6,619	5,096	0.77	1.55
27	22	7,412	4,817	0.65	1.42	7,259	4,718	0.65	1.50	7,076	4,599	0.65	1.60
28	16	6,039	6,039	1.00	1.32	5,856	5,856	1.00	1.39	5,673	5,673	1.00	1.48
28	18	6,466	6,013	0.93	1.34	6,283	5,843	0.93	1.42	6,070	5,645	0.93	1.52
28	20	6,954	5,633	0.81	1.39	6,802	5,509	0.81	1.45	6,619	5,361	0.81	1.55
28	22	7,412	5,114	0.69	1.42	7,259	5,009	0.69	1.50	7,076	4,882	0.69	1.60
30	16	6,039	6,039	1.00	1.32	5,856	5,856	1.00	1.39	5,673	5,673	1.00	1.48
30	18	6,466	6,466	1.00	1.34	6,283	6,283	1.00	1.42	6,070	6,070	1.00	1.52
30	20	6,954	6,189	0.89	1.39	6,802	6,053	0.89	1.45	6,619	5,890	0.89	1.55
30	22	7,412	5,707	0.77	1.42	7,259	5,589	0.77	1.50	7,076	5,449	0.77	1.60
32	16	6,039	6,039	1.00	1.32	5,856	5,856	1.00	1.39	5,673	5,673	1.00	1.48
32	18	6,466	6,466	1.00	1.34	6,283	6,283	1.00	1.42	6,070	6,070	1.00	1.52
32	20	6,954	6,745	0.97	1.39	6,802	6,597	0.97	1.45	6,619	6,420	0.97	1.55
32	22	7,412	6,300	0.85	1.42	7,259	6,170	0.85	1.50	7,076	6,015	0.85	1.60
34	16	6,039	6,039	1.00	1.32	5,856	5,856	1.00	1.39	5,673	5,673	1.00	1.48
34	18	6,466	6,466	1.00	1.34	6,283	6,283	1.00	1.42	6,070	6,070	1.00	1.52
34	20	6,954	6,954	1.00	1.39	6,802	6,802	1.00	1.45	6,619	6,619	1.00	1.55
34	22	7,412	6,893	0.93	1.42	7,259	6,751	0.93	1.50	7,076	6,581	0.93	1.60

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	5,429	3,963	0.73	1.58	5,185	3,785	0.73	1.70	4,941	3,607	0.73	1.84
20	18	5,856	3,572	0.61	1.63	5,673	3,461	0.61	1.75	5,307	3,237	0.61	1.88
20	20	6,344	3,109	0.49	1.67	6,100	2,989	0.49	1.78	5,734	2,810	0.49	1.91
22	16	5,429	4,397	0.81	1.58	5,185	4,200	0.81	1.70	4,941	4,002	0.81	1.84
22	18	5,856	4,041	0.69	1.63	5,673	3,914	0.69	1.75	5,307	3,662	0.69	1.88
22	20	6,344	3,616	0.57	1.67	6,100	3,477	0.57	1.78	5,734	3,268	0.57	1.91
24	16	5,429	4,832	0.89	1.58	5,185	4,615	0.89	1.70	4,941	4,397	0.89	1.84
24	18	5,856	4,509	0.77	1.63	5,673	4,368	0.77	1.75	5,307	4,086	0.77	1.88
24	20	6,344	4,124	0.65	1.67	6,100	3,965	0.65	1.78	5,734	3,727	0.65	1.91
24	22	6,832	3,621	0.53	1.70	6,588	3,492	0.53	1.83	6,222	3,298	0.53	1.95
26	16	5,429	5,266	0.97	1.58	5,185	5,029	0.97	1.70	4,941	4,793	0.97	1.84
26	18	5,856	4,978	0.85	1.63	5,673	4,822	0.85	1.75	5,307	4,511	0.85	1.88
26	20	6,344	4,631	0.73	1.67	6,100	4,453	0.73	1.78	5,734	4,186	0.73	1.91
26	22	6,832	4,168	0.61	1.70	6,588	4,019	0.61	1.83	6,222	3,795	0.61	1.95
27	16	5,429	5,429	1.00	1.58	5,185	5,185	1.00	1.70	4,941	4,941	1.00	1.84
27	18	5,856	5,212	0.89	1.63	5,673	5,049	0.89	1.75	5,307	4,723	0.89	1.88
27	20	6,344	4,885	0.77	1.67	6,100	4,697	0.77	1.78	5,734	4,415	0.77	1.91
27	22	6,832	4,441	0.65	1.70	6,588	4,282	0.65	1.83	6,222	4,044	0.65	1.95
28	16	5,429	5,429	1.00	1.58	5,185	5,185	1.00	1.70	4,941	4,941	1.00	1.84
28	18	5,856	5,446	0.93	1.63	5,673	5,276	0.93	1.75	5,307	4,936	0.93	1.88
28	20	6,344	5,139	0.81	1.67	6,100	4,941	0.81	1.78	5,734	4,645	0.81	1.91
28	22	6,832	4,714	0.69	1.70	6,588	4,546	0.69	1.83	6,222	4,293	0.69	1.95
30	16	5,429	5,429	1.00	1.58	5,185	5,185	1.00	1.70	4,941	4,941	1.00	1.84
30	18	5,856	5,856	1.00	1.63	5,673	5,673	1.00	1.75	5,307	5,307	1.00	1.88
30	20	6,344	5,646	0.89	1.67	6,100	5,429	0.89	1.78	5,734	5,103	0.89	1.91
30	22	6,832	5,261	0.77	1.70	6,588	5,073	0.77	1.83	6,222	4,791	0.77	1.95
32	16	5,429	5,429	1.00	1.58	5,185	5,185	1.00	1.70	4,941	4,941	1.00	1.84
32	18	5,856	5,856	1.00	1.63	5,673	5,673	1.00	1.75	5,307	5,307	1.00	1.88
32	20	6,344	6,154	0.97	1.67	6,100	5,917	0.97	1.78	5,734	5,562	0.97	1.91
32	22	6,832	5,807	0.85	1.70	6,588	5,600	0.85	1.83	6,222	5,289	0.85	1.95
34	16	5,429	5,429	1.00	1.58	5,185	5,185	1.00	1.70	4,941	4,941	1.00	1.84
34	18	5,856	5,856	1.00	1.63	5,673	5,673	1.00	1.75	5,307	5,307	1.00	1.88
34	20	6,344	6,344	1.00	1.67	6,100	6,100	1.00	1.78	5,734	5,734	1.00	1.91
34	22	6,832	6,354	0.93	1.70	6,588	6,127	0.93	1.83	6,222	5,786	0.93	1.95

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M71JA / PUHZ-ZRP71VHA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	7,029	5,131	0.73	1.61	6,816	4,976	0.73	1.70	6,603	4,820	0.73	1.80
20	18	7,526	4,591	0.61	1.64	7,313	4,461	0.61	1.73	7,065	4,309	0.61	1.85
20	20	8,094	3,966	0.49	1.69	7,917	3,879	0.49	1.77	7,704	3,775	0.49	1.89
22	16	7,029	5,693	0.81	1.61	6,816	5,521	0.81	1.70	6,603	5,348	0.81	1.80
22	18	7,526	5,193	0.69	1.64	7,313	5,046	0.69	1.73	7,065	4,875	0.69	1.85
22	20	8,094	4,614	0.57	1.69	7,917	4,512	0.57	1.77	7,704	4,391	0.57	1.89
24	16	7,029	6,256	0.89	1.61	6,816	6,066	0.89	1.70	6,603	5,877	0.89	1.80
24	18	7,526	5,795	0.77	1.64	7,313	5,631	0.77	1.73	7,065	5,440	0.77	1.85
24	20	8,094	5,261	0.65	1.69	7,917	5,146	0.65	1.77	7,704	5,007	0.65	1.89
24	22	8,627	4,572	0.53	1.73	8,449	4,478	0.53	1.83	8,236	4,365	0.53	1.95
26	16	7,029	6,818	0.97	1.61	6,816	6,612	0.97	1.70	6,603	6,405	0.97	1.80
26	18	7,526	6,397	0.85	1.64	7,313	6,216	0.85	1.73	7,065	6,005	0.85	1.85
26	20	8,094	5,909	0.73	1.69	7,917	5,779	0.73	1.77	7,704	5,624	0.73	1.89
26	22	8,627	5,262	0.61	1.73	8,449	5,154	0.61	1.83	8,236	5,024	0.61	1.95
27	16	7,029	7,029	1.00	1.61	6,816	6,816	1.00	1.70	6,603	6,603	1.00	1.80
27	18	7,526	6,698	0.89	1.64	7,313	6,509	0.89	1.73	7,065	6,287	0.89	1.85
27	20	8,094	6,232	0.77	1.69	7,917	6,096	0.77	1.77	7,704	5,932	0.77	1.89
27	22	8,627	5,607	0.65	1.73	8,449	5,492	0.65	1.83	8,236	5,353	0.65	1.95
28	16	7,029	7,029	1.00	1.61	6,816	6,816	1.00	1.70	6,603	6,603	1.00	1.80
28	18	7,526	6,999	0.93	1.64	7,313	6,801	0.93	1.73	7,065	6,570	0.93	1.85
28	20	8,094	6,556	0.81	1.69	7,917	6,412	0.81	1.77	7,704	6,240	0.81	1.89
28	22	8,627	5,952	0.69	1.73	8,449	5,830	0.69	1.83	8,236	5,683	0.69	1.95
30	16	7,029	7,029	1.00	1.61	6,816	6,816	1.00	1.70	6,603	6,603	1.00	1.80
30	18	7,526	7,526	1.00	1.64	7,313	7,313	1.00	1.73	7,065	7,065	1.00	1.85
30	20	8,094	7,204	0.89	1.69	7,917	7,046	0.89	1.77	7,704	6,856	0.89	1.89
30	22	8,627	6,642	0.77	1.73	8,449	6,506	0.77	1.83	8,236	6,342	0.77	1.95
32	16	7,029	7,029	1.00	1.61	6,816	6,816	1.00	1.70	6,603	6,603	1.00	1.80
32	18	7,526	7,526	1.00	1.64	7,313	7,313	1.00	1.73	7,065	7,065	1.00	1.85
32	20	8,094	7,851	0.97	1.69	7,917	7,679	0.97	1.77	7,704	7,472	0.97	1.89
32	22	8,627	7,333	0.85	1.73	8,449	7,182	0.85	1.83	8,236	7,001	0.85	1.95
34	16	7,029	7,029	1.00	1.61	6,816	6,816	1.00	1.70	6,603	6,603	1.00	1.80
34	18	7,526	7,526	1.00	1.64	7,313	7,313	1.00	1.73	7,065	7,065	1.00	1.85
34	20	8,094	8,094	1.00	1.69	7,917	7,917	1.00	1.77	7,704	7,704	1.00	1.89
34	22	8,627	8,023	0.93	1.73	8,449	7,858	0.93	1.83	8,236	7,659	0.93	1.95

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	6,319	4,613	0.73	1.93	6,035	4,406	0.73	2.07	5,751	4,198	0.73	2.24
20	18	6,816	4,158	0.61	1.98	6,603	4,028	0.61	2.13	6,177	3,768	0.61	2.29
20	20	7,384	3,618	0.49	2.03	7,100	3,479	0.49	2.17	6,674	3,270	0.49	2.33
22	16	6,319	5,118	0.81	1.93	6,035	4,888	0.81	2.07	5,751	4,658	0.81	2.24
22	18	6,816	4,703	0.69	1.98	6,603	4,556	0.69	2.13	6,177	4,262	0.69	2.29
22	20	7,384	4,209	0.57	2.03	7,100	4,047	0.57	2.17	6,674	3,804	0.57	2.33
24	16	6,319	5,624	0.89	1.93	6,035	5,371	0.89	2.07	5,751	5,118	0.89	2.24
24	18	6,816	5,248	0.77	1.98	6,603	5,084	0.77	2.13	6,177	4,756	0.77	2.29
24	20	7,384	4,800	0.65	2.03	7,100	4,615	0.65	2.17	6,674	4,338	0.65	2.33
24	22	7,952	4,215	0.53	2.07	7,668	4,064	0.53	2.23	7,242	3,838	0.53	2.37
26	16	6,319	6,129	0.97	1.93	6,035	5,854	0.97	2.07	5,751	5,578	0.97	2.24
26	18	6,816	5,794	0.85	1.98	6,603	5,613	0.85	2.13	6,177	5,250	0.85	2.29
26	20	7,384	5,390	0.73	2.03	7,100	5,183	0.73	2.17	6,674	4,872	0.73	2.33
26	22	7,952	4,851	0.61	2.07	7,668	4,677	0.61	2.23	7,242	4,418	0.61	2.37
27	16	6,319	6,319	1.00	1.93	6,035	6,035	1.00	2.07	5,751	5,751	1.00	2.24
27	18	6,816	6,066	0.89	1.98	6,603	5,877	0.89	2.13	6,177	5,498	0.89	2.29
27	20	7,384	5,686	0.77	2.03	7,100	5,467	0.77	2.17	6,674	5,139	0.77	2.33
27	22	7,952	5,169	0.65	2.07	7,668	4,984	0.65	2.23	7,242	4,707	0.65	2.37
28	16	6,319	6,319	1.00	1.93	6,035	6,035	1.00	2.07	5,751	5,751	1.00	2.24
28	18	6,816	6,339	0.93	1.98	6,603	6,141	0.93	2.13	6,177	5,745	0.93	2.29
28	20	7,384	5,981	0.81	2.03	7,100	5,751	0.81	2.17	6,674	5,406	0.81	2.33
28	22	7,952	5,487	0.69	2.07	7,668	5,291	0.69	2.23	7,242	4,997	0.69	2.37
30	16	6,319	6,319	1.00	1.93	6,035	6,035	1.00	2.07	5,751	5,751	1.00	2.24
30	18	6,816	6,816	1.00	1.98	6,603	6,603	1.00	2.13	6,177	6,177	1.00	2.29
30	20	7,384	6,572	0.89	2.03	7,100	6,319	0.89	2.17	6,674	5,940	0.89	2.33
30	22	7,952	6,123	0.77	2.07	7,668	5,904	0.77	2.23	7,242	5,576	0.77	2.37
32	16	6,319	6,319	1.00	1.93	6,035	6,035	1.00	2.07	5,751	5,751	1.00	2.24
32	18	6,816	6,816	1.00	1.98	6,603	6,603	1.00	2.13	6,177	6,177	1.00	2.29
32	20	7,384	7,162	0.97	2.03	7,100	6,887	0.97	2.17	6,674	6,474	0.97	2.33
32	22	7,952	6,759	0.85	2.07	7,668	6,518	0.85	2.23	7,242	6,156	0.85	2.37
34	16	6,319	6,319	1.00	1.93	6,035	6,035	1.00	2.07	5,751	5,751	1.00	2.24
34	18	6,816	6,816	1.00	1.98	6,603	6,603	1.00	2.13	6,177	6,177	1.00	2.29
34	20	7,384	7,384	1.00	2.03	7,100	7,100	1.00	2.17	6,674	6,674	1.00	2.33
34	22	7,952	7,395	0.93	2.07	7,668	7,131	0.93	2.23	7,242	6,735	0.93	2.37

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PEAD-M100JA / PUHZ-ZRP100VKA3 PUHZ-ZRP100YKA3

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		20				25				30			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	9,405	6,772	0.72	1.94	9,120	6,566	0.72	2.05	8,835	6,361	0.72	2.17
20	18	10,070	6,042	0.60	1.98	9,785	5,871	0.60	2.09	9,453	5,672	0.60	2.24
20	20	10,830	5,198	0.48	2.04	10,593	5,084	0.48	2.14	10,308	4,948	0.48	2.28
22	16	9,405	7,524	0.80	1.94	9,120	7,296	0.80	2.05	8,835	7,068	0.80	2.17
22	18	10,070	6,848	0.68	1.98	9,785	6,654	0.68	2.09	9,453	6,428	0.68	2.24
22	20	10,830	6,065	0.56	2.04	10,593	5,932	0.56	2.14	10,308	5,772	0.56	2.28
24	16	9,405	8,276	0.88	1.94	9,120	8,026	0.88	2.05	8,835	7,775	0.88	2.17
24	18	10,070	7,653	0.76	1.98	9,785	7,437	0.76	2.09	9,453	7,184	0.76	2.24
24	20	10,830	6,931	0.64	2.04	10,593	6,779	0.64	2.14	10,308	6,597	0.64	2.28
24	22	11,543	6,002	0.52	2.09	11,305	5,879	0.52	2.21	11,020	5,730	0.52	2.36
26	16	9,405	9,029	0.96	1.94	9,120	8,755	0.96	2.05	8,835	8,482	0.96	2.17
26	18	10,070	8,459	0.84	1.98	9,785	8,219	0.84	2.09	9,453	7,940	0.84	2.24
26	20	10,830	7,798	0.72	2.04	10,593	7,627	0.72	2.14	10,308	7,421	0.72	2.28
26	22	11,543	6,926	0.60	2.09	11,305	6,783	0.60	2.21	11,020	6,612	0.60	2.36
27	16	9,405	9,405	1.00	1.94	9,120	9,120	1.00	2.05	8,835	8,835	1.00	2.17
27	18	10,070	8,862	0.88	1.98	9,785	8,611	0.88	2.09	9,453	8,318	0.88	2.24
27	20	10,830	8,231	0.76	2.04	10,593	8,050	0.76	2.14	10,308	7,834	0.76	2.28
27	22	11,543	7,387	0.64	2.09	11,305	7,235	0.64	2.21	11,020	7,053	0.64	2.36
28	16	9,405	9,405	1.00	1.94	9,120	9,120	1.00	2.05	8,835	8,835	1.00	2.17
28	18	10,070	9,264	0.92	1.98	9,785	9,002	0.92	2.09	9,453	8,696	0.92	2.24
28	20	10,830	8,664	0.80	2.04	10,593	8,474	0.80	2.14	10,308	8,246	0.80	2.28
28	22	11,543	7,849	0.68	2.09	11,305	7,687	0.68	2.21	11,020	7,494	0.68	2.36
30	16	9,405	9,405	1.00	1.94	9,120	9,120	1.00	2.05	8,835	8,835	1.00	2.17
30	18	10,070	10,070	1.00	1.98	9,785	9,785	1.00	2.09	9,453	9,453	1.00	2.24
30	20	10,830	9,530	0.88	2.04	10,593	9,321	0.88	2.14	10,308	9,071	0.88	2.28
30	22	11,543	8,772	0.76	2.09	11,305	8,592	0.76	2.21	11,020	8,375	0.76	2.36
32	16	9,405	9,405	1.00	1.94	9,120	9,120	1.00	2.05	8,835	8,835	1.00	2.17
32	18	10,070	10,070	1.00	1.98	9,785	9,785	1.00	2.09	9,453	9,453	1.00	2.24
32	20	10,830	10,397	0.96	2.04	10,593	10,169	0.96	2.14	10,308	9,895	0.96	2.28
32	22	11,543	9,696	0.84	2.09	11,305	9,496	0.84	2.21	11,020	9,257	0.84	2.36
34	16	9,405	9,405	1.00	1.94	9,120	9,120	1.00	2.05	8,835	8,835	1.00	2.17
34	18	10,070	10,070	1.00	1.98	9,785	9,785	1.00	2.09	9,453	9,453	1.00	2.24
34	20	10,830	10,830	1.00	2.04	10,593	10,593	1.00	2.14	10,308	10,308	1.00	2.28
34	22	11,543	10,619	0.92	2.09	11,305	10,401	0.92	2.21	11,020	10,138	0.92	2.36

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		35				40				45			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	8,455	6,088	0.72	2.33	8,075	5,814	0.72	2.50	7,695	5,540	0.72	2.71
20	18	9,120	5,472	0.60	2.39	8,835	5,301	0.60	2.58	8,265	4,959	0.60	2.77
20	20	9,880	4,742	0.48	2.45	9,500	4,560	0.48	2.62	8,930	4,286	0.48	2.82
22	16	8,455	6,764	0.80	2.33	8,075	6,460	0.80	2.50	7,695	6,156	0.80	2.71
22	18	9,120	6,202	0.68	2.39	8,835	6,008	0.68	2.58	8,265	5,620	0.68	2.77
22	20	9,880	5,533	0.56	2.45	9,500	5,320	0.56	2.62	8,930	5,001	0.56	2.82
24	16	8,455	7,440	0.88	2.33	8,075	7,106	0.88	2.50	7,695	6,772	0.88	2.71
24	18	9,120	6,931	0.76	2.39	8,835	6,715	0.76	2.58	8,265	6,281	0.76	2.77
24	20	9,880	6,323	0.64	2.45	9,500	6,080	0.64	2.62	8,930	5,715	0.64	2.82
24	22	10,640	5,533	0.52	2.50	10,260	5,335	0.52	2.70	9,690	5,039	0.52	2.87
26	16	8,455	8,117	0.96	2.33	8,075	7,752	0.96	2.50	7,695	7,387	0.96	2.71
26	18	9,120	7,661	0.84	2.39	8,835	7,421	0.84	2.58	8,265	6,943	0.84	2.77
26	20	9,880	7,114	0.72	2.45	9,500	6,840	0.72	2.62	8,930	6,430	0.72	2.82
26	22	10,640	6,384	0.60	2.50	10,260	6,156	0.60	2.70	9,690	5,814	0.60	2.87
27	16	8,455	8,455	1.00	2.33	8,075	8,075	1.00	2.50	7,695	7,695	1.00	2.71
27	18	9,120	8,026	0.88	2.39	8,835	7,775	0.88	2.58	8,265	7,273	0.88	2.77
27	20	9,880	7,509	0.76	2.45	9,500	7,220	0.76	2.62	8,930	6,787	0.76	2.82
27	22	10,640	6,810	0.64	2.50	10,260	6,566	0.64	2.70	9,690	6,202	0.64	2.87
28	16	8,455	8,455	1.00	2.33	8,075	8,075	1.00	2.50	7,695	7,695	1.00	2.71
28	18	9,120	8,390	0.92	2.39	8,835	8,128	0.92	2.58	8,265	7,604	0.92	2.77
28	20	9,880	7,904	0.80	2.45	9,500	7,600	0.80	2.62	8,930	7,144	0.80	2.82
28	22	10,640	7,235	0.68	2.50	10,260	6,977	0.68	2.70	9,690	6,589	0.68	2.87
30	16	8,455	8,455	1.00	2.33	8,075	8,075	1.00	2.50	7,695	7,695	1.00	2.71
30	18	9,120	9,120	1.00	2.39	8,835	8,835	1.00	2.58	8,265	8,265	1.00	2.77
30	20	9,880	8,694	0.88	2.45	9,500	8,360	0.88	2.62	8,930	7,858	0.88	2.82
30	22	10,640	8,086	0.76	2.50	10,260	7,798	0.76	2.70	9,690	7,364	0.76	2.87
32	16	8,455	8,455	1.00	2.33	8,075	8,075	1.00	2.50	7,695	7,695	1.00	2.71
32	18	9,120	9,120	1.00	2.39	8,835	8,835	1.00	2.58	8,265	8,265	1.00	2.77
32	20	9,880	9,485	0.96	2.45	9,500	9,120	0.96	2.62	8,930	8,573	0.96	2.82
32	22	10,640	8,938	0.84	2.50	10,260	8,618	0.84	2.70	9,690	8,140	0.84	2.87
34	16	8,455	8,455	1.00	2.33	8,075	8,075	1.00	2.50	7,695	7,695	1.00	2.71
34	18	9,120	9,120	1.00	2.39	8,835	8,835	1.00	2.58	8,265	8,265	1.00	2.77
34	20	9,880	9,880	1.00	2.45	9,500	9,500	1.00	2.62	8,930	8,930	1.00	2.82
34	22	10,640	9,789	0.92	2.50	10,260	9,439	0.92	2.70	9,690	8,915	0.92	2.87

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PEAD-M125JA / PUHZ-ZRP125VKA3 PUHZ-ZRP125YKA3

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		20				25				30			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	12,375	9,158	0.74	3.09	12,000	8,880	0.74	3.26	11,625	8,603	0.74	3.45
20	18	13,250	8,215	0.62	3.15	12,875	7,983	0.62	3.32	12,438	7,711	0.62	3.55
20	20	14,250	7,125	0.50	3.24	13,938	6,969	0.50	3.40	13,563	6,781	0.50	3.63
22	16	12,375	10,148	0.82	3.09	12,000	9,840	0.82	3.26	11,625	9,533	0.82	3.45
22	18	13,250	9,275	0.70	3.15	12,875	9,013	0.70	3.32	12,438	8,706	0.70	3.55
22	20	14,250	8,265	0.58	3.24	13,938	8,084	0.58	3.40	13,563	7,866	0.58	3.63
24	16	12,375	11,138	0.90	3.09	12,000	10,800	0.90	3.26	11,625	10,463	0.90	3.45
24	18	13,250	10,335	0.78	3.15	12,875	10,043	0.78	3.32	12,438	9,701	0.78	3.55
24	20	14,250	9,405	0.66	3.24	13,938	9,199	0.66	3.40	13,563	8,951	0.66	3.63
24	22	15,188	8,201	0.54	3.32	14,875	8,033	0.54	3.51	14,500	7,830	0.54	3.74
26	16	12,375	12,128	0.98	3.09	12,000	11,760	0.98	3.26	11,625	11,393	0.98	3.45
26	18	13,250	11,395	0.86	3.15	12,875	11,073	0.86	3.32	12,438	10,696	0.86	3.55
26	20	14,250	10,545	0.74	3.24	13,938	10,314	0.74	3.40	13,563	10,036	0.74	3.63
26	22	15,188	9,416	0.62	3.32	14,875	9,223	0.62	3.51	14,500	8,990	0.62	3.74
27	16	12,375	12,375	1.00	3.09	12,000	12,000	1.00	3.26	11,625	11,625	1.00	3.45
27	18	13,250	11,925	0.90	3.15	12,875	11,588	0.90	3.32	12,438	11,194	0.90	3.55
27	20	14,250	11,115	0.78	3.24	13,938	10,871	0.78	3.40	13,563	10,579	0.78	3.63
27	22	15,188	10,024	0.66	3.32	14,875	9,818	0.66	3.51	14,500	9,570	0.66	3.74
28	16	12,375	12,375	1.00	3.09	12,000	12,000	1.00	3.26	11,625	11,625	1.00	3.45
28	18	13,250	12,455	0.94	3.15	12,875	12,103	0.94	3.32	12,438	11,691	0.94	3.55
28	20	14,250	11,685	0.82	3.24	13,938	11,429	0.82	3.40	13,563	11,121	0.82	3.63
28	22	15,188	10,631	0.70	3.32	14,875	10,413	0.70	3.51	14,500	10,150	0.70	3.74
30	16	12,375	12,375	1.00	3.09	12,000	12,000	1.00	3.26	11,625	11,625	1.00	3.45
30	18	13,250	13,250	1.00	3.15	12,875	12,875	1.00	3.32	12,438	12,438	1.00	3.55
30	20	14,250	12,825	0.90	3.24	13,938	12,544	0.90	3.40	13,563	12,206	0.90	3.63
30	22	15,188	11,846	0.78	3.32	14,875	11,603	0.78	3.51	14,500	11,310	0.78	3.74
32	16	12,375	12,375	1.00	3.09	12,000	12,000	1.00	3.26	11,625	11,625	1.00	3.45
32	18	13,250	13,250	1.00	3.15	12,875	12,875	1.00	3.32	12,438	12,438	1.00	3.55
32	20	14,250	13,965	0.98	3.24	13,938	13,659	0.98	3.40	13,563	13,291	0.98	3.63
32	22	15,188	13,061	0.86	3.32	14,875	12,793	0.86	3.51	14,500	12,470	0.86	3.74
34	16	12,375	12,375	1.00	3.09	12,000	12,000	1.00	3.26	11,625	11,625	1.00	3.45
34	18	13,250	13,250	1.00	3.15	12,875	12,875	1.00	3.32	12,438	12,438	1.00	3.55
34	20	14,250	14,250	1.00	3.24	13,938	13,938	1.00	3.40	13,563	13,563	1.00	3.63
34	22	15,188	14,276	0.94	3.32	14,875	13,983	0.94	3.51	14,500	13,630	0.94	3.74

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		35				40				45			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	11,125	8,233	0.74	3.71	10,625	7,863	0.74	3.98	10,125	7,493	0.74	4.30
20	18	12,000	7,440	0.62	3.80	11,625	7,208	0.62	4.09	10,875	6,743	0.62	4.40
20	20	13,000	6,500	0.50	3.90	12,500	6,250	0.50	4.17	11,750	5,875	0.50	4.48
22	16	11,125	9,123	0.82	3.71	10,625	8,713	0.82	3.98	10,125	8,303	0.82	4.30
22	18	12,000	8,400	0.70	3.80	11,625	8,138	0.70	4.09	10,875	7,613	0.70	4.40
22	20	13,000	7,540	0.58	3.90	12,500	7,250	0.58	4.17	11,750	6,815	0.58	4.48
24	16	11,125	10,013	0.90	3.71	10,625	9,563	0.90	3.98	10,125	9,113	0.90	4.30
24	18	12,000	9,360	0.78	3.80	11,625	9,068	0.78	4.09	10,875	8,483	0.78	4.40
24	20	13,000	8,580	0.66	3.90	12,500	8,250	0.66	4.17	11,750	7,755	0.66	4.48
24	22	14,000	7,560	0.54	3.98	13,500	7,290	0.54	4.28	12,750	6,885	0.54	4.55
26	16	11,125	10,903	0.98	3.71	10,625	10,413	0.98	3.98	10,125	9,923	0.98	4.30
26	18	12,000	10,320	0.86	3.80	11,625	9,998	0.86	4.09	10,875	9,353	0.86	4.40
26	20	13,000	9,620	0.74	3.90	12,500	9,250	0.74	4.17	11,750	8,695	0.74	4.48
26	22	14,000	8,680	0.62	3.98	13,500	8,370	0.62	4.28	12,750	7,905	0.62	4.55
27	16	11,125	11,125	1.00	3.71	10,625	10,625	1.00	3.98	10,125	10,125	1.00	4.30
27	18	12,000	10,800	0.90	3.80	11,625	10,463	0.90	4.09	10,875	9,788	0.90	4.40
27	20	13,000	10,140	0.78	3.90	12,500	9,750	0.78	4.17	11,750	9,165	0.78	4.48
27	22	14,000	9,240	0.66	3.98	13,500	8,910	0.66	4.28	12,750	8,415	0.66	4.55
28	16	11,125	11,125	1.00	3.71	10,625	10,625	1.00	3.98	10,125	10,125	1.00	4.30
28	18	12,000	11,280	0.94	3.80	11,625	10,928	0.94	4.09	10,875	10,223	0.94	4.40
28	20	13,000	10,660	0.82	3.90	12,500	10,250	0.82	4.17	11,750	9,635	0.82	4.48
28	22	14,000	9,800	0.70	3.98	13,500	9,450	0.70	4.28	12,750	8,925	0.70	4.55
30	16	11,125	11,125	1.00	3.71	10,625	10,625	1.00	3.98	10,125	10,125	1.00	4.30
30	18	12,000	12,000	1.00	3.80	11,625	11,625	1.00	4.09	10,875	10,875	1.00	4.40
30	20	13,000	11,700	0.90	3.90	12,500	11,250	0.90	4.17	11,750	10,575	0.90	4.48
30	22	14,000	10,920	0.78	3.98	13,500	10,530	0.78	4.28	12,750	9,945	0.78	4.55
32	16	11,125	11,125	1.00	3.71	10,625	10,625	1.00	3.98	10,125	10,125	1.00	4.30
32	18	12,000	12,000	1.00	3.80	11,625	11,625	1.00	4.09	10,875	10,875	1.00	4.40
32	20	13,000	12,740	0.98	3.90	12,500	12,250	0.98	4.17	11,750	11,515	0.98	4.48
32	22	14,000	12,040	0.86	3.98	13,500	11,610	0.86	4.28	12,750	10,965	0.86	4.55
34	16	11,125	11,125	1.00	3.71	10,625	10,625	1.00	3.98	10,125	10,125	1.00	4.30
34	18	12,000	12,000	1.00	3.80	11,625	11,625	1.00	4.09	10,875	10,875	1.00	4.40
34	20	13,000	13,000	1.00	3.90	12,500	12,500	1.00	4.17	11,750	11,750	1.00	4.48
34	22	14,000	13,160	0.94	3.98	13,500	12,690	0.94	4.28	12,750	11,985	0.94	4.55

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M140JA / PUHZ-ZRP140VKA3 PUHZ-ZRP140YKA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,266	9,817	0.74	3.46	12,864	9,519	0.74	3.65	12,462	9,222	0.74	3.87
20	18	14,204	8,806	0.62	3.52	13,802	8,557	0.62	3.72	13,333	8,266	0.62	3.97
20	20	15,276	7,638	0.50	3.63	14,941	7,471	0.50	3.80	14,539	7,270	0.50	4.06
22	16	13,266	10,878	0.82	3.46	12,864	10,548	0.82	3.65	12,462	10,219	0.82	3.87
22	18	14,204	9,943	0.70	3.52	13,802	9,661	0.70	3.72	13,333	9,333	0.70	3.97
22	20	15,276	8,860	0.58	3.63	14,941	8,666	0.58	3.80	14,539	8,433	0.58	4.06
24	16	13,266	11,939	0.90	3.46	12,864	11,578	0.90	3.65	12,462	11,216	0.90	3.87
24	18	14,204	11,079	0.78	3.52	13,802	10,766	0.78	3.72	13,333	10,400	0.78	3.97
24	20	15,276	10,082	0.66	3.63	14,941	9,861	0.66	3.80	14,539	9,596	0.66	4.06
24	22	16,281	8,792	0.54	3.72	15,946	8,611	0.54	3.93	15,544	8,394	0.54	4.19
26	16	13,266	13,001	0.98	3.46	12,864	12,607	0.98	3.65	12,462	12,213	0.98	3.87
26	18	14,204	12,215	0.86	3.52	13,802	11,870	0.86	3.72	13,333	11,466	0.86	3.97
26	20	15,276	11,304	0.74	3.63	14,941	11,056	0.74	3.80	14,539	10,759	0.74	4.06
26	22	16,281	10,094	0.62	3.72	15,946	9,887	0.62	3.93	15,544	9,637	0.62	4.19
27	16	13,266	13,266	1.00	3.46	12,864	12,864	1.00	3.65	12,462	12,462	1.00	3.87
27	18	14,204	12,784	0.90	3.52	13,802	12,422	0.90	3.72	13,333	12,000	0.90	3.97
27	20	15,276	11,915	0.78	3.63	14,941	11,654	0.78	3.80	14,539	11,340	0.78	4.06
27	22	16,281	10,745	0.66	3.72	15,946	10,524	0.66	3.93	15,544	10,259	0.66	4.19
28	16	13,266	13,266	1.00	3.46	12,864	12,864	1.00	3.65	12,462	12,462	1.00	3.87
28	18	14,204	13,352	0.94	3.52	13,802	12,974	0.94	3.72	13,333	12,533	0.94	3.97
28	20	15,276	12,526	0.82	3.63	14,941	12,252	0.82	3.80	14,539	11,922	0.82	4.06
28	22	16,281	11,397	0.70	3.72	15,946	11,162	0.70	3.93	15,544	10,881	0.70	4.19
30	16	13,266	13,266	1.00	3.46	12,864	12,864	1.00	3.65	12,462	12,462	1.00	3.87
30	18	14,204	14,204	1.00	3.52	13,802	13,802	1.00	3.72	13,333	13,333	1.00	3.97
30	20	15,276	13,748	0.90	3.63	14,941	13,447	0.90	3.80	14,539	13,085	0.90	4.06
30	22	16,281	12,699	0.78	3.72	15,946	12,438	0.78	3.93	15,544	12,124	0.78	4.19
32	16	13,266	13,266	1.00	3.46	12,864	12,864	1.00	3.65	12,462	12,462	1.00	3.87
32	18	14,204	14,204	1.00	3.52	13,802	13,802	1.00	3.72	13,333	13,333	1.00	3.97
32	20	15,276	14,970	0.98	3.63	14,941	14,642	0.98	3.80	14,539	14,248	0.98	4.06
32	22	16,281	14,002	0.86	3.72	15,946	13,714	0.86	3.93	15,544	13,368	0.86	4.19
34	16	13,266	13,266	1.00	3.46	12,864	12,864	1.00	3.65	12,462	12,462	1.00	3.87
34	18	14,204	14,204	1.00	3.52	13,802	13,802	1.00	3.72	13,333	13,333	1.00	3.97
34	20	15,276	15,276	1.00	3.63	14,941	14,941	1.00	3.80	14,539	14,539	1.00	4.06
34	22	16,281	15,304	0.94	3.72	15,946	14,989	0.94	3.93	15,544	14,611	0.94	4.19

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,926	8,825	0.74	4.15	11,390	8,429	0.74	4.45	10,854	8,032	0.74	4.82
20	18	12,864	7,976	0.62	4.26	12,462	7,726	0.62	4.58	11,658	7,228	0.62	4.92
20	20	13,936	6,968	0.50	4.36	13,400	6,700	0.50	4.67	12,596	6,298	0.50	5.01
22	16	11,926	9,779	0.82	4.15	11,390	9,340	0.82	4.45	10,854	8,900	0.82	4.82
22	18	12,864	9,005	0.70	4.26	12,462	8,723	0.70	4.58	11,658	8,161	0.70	4.92
22	20	13,936	8,083	0.58	4.36	13,400	7,772	0.58	4.67	12,596	7,306	0.58	5.01
24	16	11,926	10,733	0.90	4.15	11,390	10,251	0.90	4.45	10,854	9,769	0.90	4.82
24	18	12,864	10,034	0.78	4.26	12,462	9,720	0.78	4.58	11,658	9,093	0.78	4.92
24	20	13,936	9,198	0.66	4.36	13,400	8,844	0.66	4.67	12,596	8,313	0.66	5.01
24	22	15,008	8,104	0.54	4.45	14,472	7,815	0.54	4.80	13,668	7,381	0.54	5.10
26	16	11,926	11,687	0.98	4.15	11,390	11,162	0.98	4.45	10,854	10,637	0.98	4.82
26	18	12,864	11,063	0.86	4.26	12,462	10,717	0.86	4.58	11,658	10,026	0.86	4.92
26	20	13,936	10,313	0.74	4.36	13,400	9,916	0.74	4.67	12,596	9,321	0.74	5.01
26	22	15,008	9,305	0.62	4.45	14,472	8,973	0.62	4.80	13,668	8,474	0.62	5.10
27	16	11,926	11,926	1.00	4.15	11,390	11,390	1.00	4.45	10,854	10,854	1.00	4.82
27	18	12,864	11,578	0.90	4.26	12,462	11,216	0.90	4.58	11,658	10,492	0.90	4.92
27	20	13,936	10,870	0.78	4.36	13,400	10,452	0.78	4.67	12,596	9,825	0.78	5.01
27	22	15,008	9,905	0.66	4.45	14,472	9,552	0.66	4.80	13,668	9,021	0.66	5.10
28	16	11,926	11,926	1.00	4.15	11,390	11,390	1.00	4.45	10,854	10,854	1.00	4.82
28	18	12,864	12,092	0.94	4.26	12,462	11,714	0.94	4.58	11,658	10,959	0.94	4.92
28	20	13,936	11,428	0.82	4.36	13,400	10,988	0.82	4.67	12,596	10,329	0.82	5.01
28	22	15,008	10,506	0.70	4.45	14,472	10,130	0.70	4.80	13,668	9,568	0.70	5.10
30	16	11,926	11,926	1.00	4.15	11,390	11,390	1.00	4.45	10,854	10,854	1.00	4.82
30	18	12,864	12,864	1.00	4.26	12,462	12,462	1.00	4.58	11,658	11,658	1.00	4.92
30	20	13,936	12,542	0.90	4.36	13,400	12,060	0.90	4.67	12,596	11,336	0.90	5.01
30	22	15,008	11,706	0.78	4.45	14,472	11,288	0.78	4.80	13,668	10,661	0.78	5.10
32	16	11,926	11,926	1.00	4.15	11,390	11,390	1.00	4.45	10,854	10,854	1.00	4.82
32	18	12,864	12,864	1.00	4.26	12,462	12,462	1.00	4.58	11,658	11,658	1.00	4.92
32	20	13,936	13,657	0.98	4.36	13,400	13,132	0.98	4.67	12,596	12,344	0.98	5.01
32	22	15,008	12,907	0.86	4.45	14,472	12,446	0.86	4.80	13,668	11,754	0.86	5.10
34	16	11,926	11,926	1.00	4.15	11,390	11,390	1.00	4.45	10,854	10,854	1.00	4.82
34	18	12,864	12,864	1.00	4.26	12,462	12,462	1.00	4.58	11,658	11,658	1.00	4.92
34	20	13,936	13,936	1.00	4.36	13,400	13,400	1.00	4.67	12,596	12,596	1.00	5.01
34	22	15,008	14,108	0.94	4.45	14,472	13,604	0.94	4.80	13,668	12,848	0.94	5.10

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M35JAL / PUHZ-ZRP35VKA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	3,564	2,673	0.75	0.70	3,456	2,592	0.75	0.74	3,348	2,511	0.75	0.78
20	18	3,816	2,404	0.63	0.71	3,708	2,336	0.63	0.75	3,582	2,257	0.63	0.80
20	20	4,104	2,093	0.51	0.73	4,014	2,047	0.51	0.77	3,906	1,992	0.51	0.82
22	16	3,564	2,958	0.83	0.70	3,456	2,868	0.83	0.74	3,348	2,779	0.83	0.78
22	18	3,816	2,709	0.71	0.71	3,708	2,633	0.71	0.75	3,582	2,543	0.71	0.80
22	20	4,104	2,421	0.59	0.73	4,014	2,368	0.59	0.77	3,906	2,305	0.59	0.82
24	16	3,564	3,243	0.91	0.70	3,456	3,145	0.91	0.74	3,348	3,047	0.91	0.78
24	18	3,816	3,015	0.79	0.71	3,708	2,929	0.79	0.75	3,582	2,830	0.79	0.80
24	20	4,104	2,750	0.67	0.73	4,014	2,689	0.67	0.77	3,906	2,617	0.67	0.82
24	22	4,374	2,406	0.55	0.75	4,284	2,356	0.55	0.79	4,176	2,297	0.55	0.84
26	16	3,564	3,528	0.99	0.70	3,456	3,421	0.99	0.74	3,348	3,315	0.99	0.78
26	18	3,816	3,320	0.87	0.71	3,708	3,226	0.87	0.75	3,582	3,116	0.87	0.80
26	20	4,104	3,078	0.75	0.73	4,014	3,011	0.75	0.77	3,906	2,930	0.75	0.82
26	22	4,374	2,756	0.63	0.75	4,284	2,699	0.63	0.79	4,176	2,631	0.63	0.84
27	16	3,564	3,564	1.00	0.70	3,456	3,456	1.00	0.74	3,348	3,348	1.00	0.78
27	18	3,816	3,473	0.91	0.71	3,708	3,374	0.91	0.75	3,582	3,260	0.91	0.80
27	20	4,104	3,242	0.79	0.73	4,014	3,171	0.79	0.77	3,906	3,086	0.79	0.82
27	22	4,374	2,931	0.67	0.75	4,284	2,870	0.67	0.79	4,176	2,798	0.67	0.84
28	16	3,564	3,564	1.00	0.70	3,456	3,456	1.00	0.74	3,348	3,348	1.00	0.78
28	18	3,816	3,625	0.95	0.71	3,708	3,523	0.95	0.75	3,582	3,403	0.95	0.80
28	20	4,104	3,406	0.83	0.73	4,014	3,332	0.83	0.77	3,906	3,242	0.83	0.82
28	22	4,374	3,106	0.71	0.75	4,284	3,042	0.71	0.79	4,176	2,965	0.71	0.84
30	16	3,564	3,564	1.00	0.70	3,456	3,456	1.00	0.74	3,348	3,348	1.00	0.78
30	18	3,816	3,816	1.00	0.71	3,708	3,708	1.00	0.75	3,582	3,582	1.00	0.80
30	20	4,104	3,735	0.91	0.73	4,014	3,653	0.91	0.77	3,906	3,554	0.91	0.82
30	22	4,374	3,455	0.79	0.75	4,284	3,384	0.79	0.79	4,176	3,299	0.79	0.84
32	16	3,564	3,564	1.00	0.70	3,456	3,456	1.00	0.74	3,348	3,348	1.00	0.78
32	18	3,816	3,816	1.00	0.71	3,708	3,708	1.00	0.75	3,582	3,582	1.00	0.80
32	20	4,104	4,063	0.99	0.73	4,014	3,974	0.99	0.77	3,906	3,867	0.99	0.82
32	22	4,374	3,805	0.87	0.75	4,284	3,727	0.87	0.79	4,176	3,633	0.87	0.84
34	16	3,564	3,564	1.00	0.70	3,456	3,456	1.00	0.74	3,348	3,348	1.00	0.78
34	18	3,816	3,816	1.00	0.71	3,708	3,708	1.00	0.75	3,582	3,582	1.00	0.80
34	20	4,104	4,104	1.00	0.73	4,014	4,014	1.00	0.77	3,906	3,906	1.00	0.82
34	22	4,374	4,155	0.95	0.75	4,284	4,070	0.95	0.79	4,176	3,967	0.95	0.84

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	3,204	2,403	0.75	0.84	3,060	2,295	0.75	0.90	2,916	2,187	0.75	0.97
20	18	3,456	2,177	0.63	0.86	3,348	2,109	0.63	0.92	3,132	1,973	0.63	0.99
20	20	3,744	1,909	0.51	0.88	3,600	1,836	0.51	0.94	3,384	1,726	0.51	1.01
22	16	3,204	2,659	0.83	0.84	3,060	2,540	0.83	0.90	2,916	2,420	0.83	0.97
22	18	3,456	2,454	0.71	0.86	3,348	2,377	0.71	0.92	3,132	2,224	0.71	0.99
22	20	3,744	2,209	0.59	0.88	3,600	2,124	0.59	0.94	3,384	1,997	0.59	1.01
24	16	3,204	2,916	0.91	0.84	3,060	2,785	0.91	0.90	2,916	2,654	0.91	0.97
24	18	3,456	2,730	0.79	0.86	3,348	2,645	0.79	0.92	3,132	2,474	0.79	0.99
24	20	3,744	2,508	0.67	0.88	3,600	2,412	0.67	0.94	3,384	2,267	0.67	1.01
24	22	4,032	2,218	0.55	0.90	3,888	2,138	0.55	0.97	3,672	2,020	0.55	1.03
26	16	3,204	3,172	0.99	0.84	3,060	3,029	0.99	0.90	2,916	2,887	0.99	0.97
26	18	3,456	3,007	0.87	0.86	3,348	2,913	0.87	0.92	3,132	2,725	0.87	0.99
26	20	3,744	2,808	0.75	0.88	3,600	2,700	0.75	0.94	3,384	2,538	0.75	1.01
26	22	4,032	2,540	0.63	0.90	3,888	2,449	0.63	0.97	3,672	2,313	0.63	1.03
27	16	3,204	3,204	1.00	0.84	3,060	3,060	1.00	0.90	2,916	2,916	1.00	0.97
27	18	3,456	3,145	0.91	0.86	3,348	3,047	0.91	0.92	3,132	2,850	0.91	0.99
27	20	3,744	2,958	0.79	0.88	3,600	2,844	0.79	0.94	3,384	2,673	0.79	1.01
27	22	4,032	2,701	0.67	0.90	3,888	2,605	0.67	0.97	3,672	2,460	0.67	1.03
28	16	3,204	3,204	1.00	0.84	3,060	3,060	1.00	0.90	2,916	2,916	1.00	0.97
28	18	3,456	3,283	0.95	0.86	3,348	3,181	0.95	0.92	3,132	2,975	0.95	0.99
28	20	3,744	3,108	0.83	0.88	3,600	2,988	0.83	0.94	3,384	2,809	0.83	1.01
28	22	4,032	2,863	0.71	0.90	3,888	2,760	0.71	0.97	3,672	2,607	0.71	1.03
30	16	3,204	3,204	1.00	0.84	3,060	3,060	1.00	0.90	2,916	2,916	1.00	0.97
30	18	3,456	3,456	1.00	0.86	3,348	3,348	1.00	0.92	3,132	3,132	1.00	0.99
30	20	3,744	3,407	0.91	0.88	3,600	3,276	0.91	0.94	3,384	3,079	0.91	1.01
30	22	4,032	3,185	0.79	0.90	3,888	3,072	0.79	0.97	3,672	2,901	0.79	1.03
32	16	3,204	3,204	1.00	0.84	3,060	3,060	1.00	0.90	2,916	2,916	1.00	0.97
32	18	3,456	3,456	1.00	0.86	3,348	3,348	1.00	0.92	3,132	3,132	1.00	0.99
32	20	3,744	3,707	0.99	0.88	3,600	3,564	0.99	0.94	3,384	3,350	0.99	1.01
32	22	4,032	3,508	0.87	0.90	3,888	3,383	0.87	0.97	3,672	3,195	0.87	1.03
34	16	3,204	3,204	1.00	0.84	3,060	3,060	1.00	0.90	2,916	2,916	1.00	0.97
34	18	3,456	3,456	1.00	0.86	3,348	3,348	1.00	0.92	3,132	3,132	1.00	0.99
34	20	3,744	3,744	1.00	0.88	3,600	3,600	1.00	0.94	3,384	3,384	1.00	1.01
34	22	4,032	3,830	0.95	0.90	3,888	3,694	0.95	0.97	3,672	3,488	0.95	1.03

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M50JAL / PUHZ-ZRP50VKA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	4,950	3,663	0.74	1.14	4,800	3,552	0.74	1.20	4,650	3,441	0.74	1.27
20	18	5,300	3,286	0.62	1.16	5,150	3,193	0.62	1.22	4,975	3,085	0.62	1.31
20	20	5,700	2,850	0.50	1.19	5,575	2,788	0.50	1.25	5,425	2,713	0.50	1.33
22	16	4,950	4,059	0.82	1.14	4,800	3,936	0.82	1.20	4,650	3,813	0.82	1.27
22	18	5,300	3,710	0.70	1.16	5,150	3,605	0.70	1.22	4,975	3,483	0.70	1.31
22	20	5,700	3,306	0.58	1.19	5,575	3,234	0.58	1.25	5,425	3,147	0.58	1.33
24	16	4,950	4,455	0.90	1.14	4,800	4,320	0.90	1.20	4,650	4,185	0.90	1.27
24	18	5,300	4,134	0.78	1.16	5,150	4,017	0.78	1.22	4,975	3,881	0.78	1.31
24	20	5,700	3,762	0.66	1.19	5,575	3,680	0.66	1.25	5,425	3,581	0.66	1.33
24	22	6,075	3,281	0.54	1.22	5,950	3,213	0.54	1.29	5,800	3,132	0.54	1.38
26	16	4,950	4,851	0.98	1.14	4,800	4,704	0.98	1.20	4,650	4,557	0.98	1.27
26	18	5,300	4,558	0.86	1.16	5,150	4,429	0.86	1.22	4,975	4,279	0.86	1.31
26	20	5,700	4,218	0.74	1.19	5,575	4,126	0.74	1.25	5,425	4,015	0.74	1.33
26	22	6,075	3,767	0.62	1.22	5,950	3,689	0.62	1.29	5,800	3,596	0.62	1.38
27	16	4,950	4,950	1.00	1.14	4,800	4,800	1.00	1.20	4,650	4,650	1.00	1.27
27	18	5,300	4,770	0.90	1.16	5,150	4,635	0.90	1.22	4,975	4,478	0.90	1.31
27	20	5,700	4,446	0.78	1.19	5,575	4,349	0.78	1.25	5,425	4,232	0.78	1.33
27	22	6,075	4,010	0.66	1.22	5,950	3,927	0.66	1.29	5,800	3,828	0.66	1.38
28	16	4,950	4,950	1.00	1.14	4,800	4,800	1.00	1.20	4,650	4,650	1.00	1.27
28	18	5,300	4,982	0.94	1.16	5,150	4,841	0.94	1.22	4,975	4,677	0.94	1.31
28	20	5,700	4,674	0.82	1.19	5,575	4,572	0.82	1.25	5,425	4,449	0.82	1.33
28	22	6,075	4,253	0.70	1.22	5,950	4,165	0.70	1.29	5,800	4,060	0.70	1.38
30	16	4,950	4,950	1.00	1.14	4,800	4,800	1.00	1.20	4,650	4,650	1.00	1.27
30	18	5,300	5,300	1.00	1.16	5,150	5,150	1.00	1.22	4,975	4,975	1.00	1.31
30	20	5,700	5,130	0.90	1.19	5,575	5,018	0.90	1.25	5,425	4,883	0.90	1.33
30	22	6,075	4,739	0.78	1.22	5,950	4,641	0.78	1.29	5,800	4,524	0.78	1.38
32	16	4,950	4,950	1.00	1.14	4,800	4,800	1.00	1.20	4,650	4,650	1.00	1.27
32	18	5,300	5,300	1.00	1.16	5,150	5,150	1.00	1.22	4,975	4,975	1.00	1.31
32	20	5,700	5,586	0.98	1.19	5,575	5,464	0.98	1.25	5,425	5,317	0.98	1.33
32	22	6,075	5,225	0.86	1.22	5,950	5,117	0.86	1.29	5,800	4,988	0.86	1.38
34	16	4,950	4,950	1.00	1.14	4,800	4,800	1.00	1.20	4,650	4,650	1.00	1.27
34	18	5,300	5,300	1.00	1.16	5,150	5,150	1.00	1.22	4,975	4,975	1.00	1.31
34	20	5,700	5,700	1.00	1.19	5,575	5,575	1.00	1.25	5,425	5,425	1.00	1.33
34	22	6,075	5,711	0.94	1.22	5,950	5,593	0.94	1.29	5,800	5,452	0.94	1.38

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	4,450	3,293	0.74	1.36	4,250	3,145	0.74	1.46	4,050	2,997	0.74	1.58
20	18	4,800	2,976	0.62	1.40	4,650	2,883	0.62	1.51	4,350	2,697	0.62	1.62
20	20	5,200	2,600	0.50	1.43	5,000	2,500	0.50	1.53	4,700	2,350	0.50	1.65
22	16	4,450	3,649	0.82	1.36	4,250	3,485	0.82	1.46	4,050	3,321	0.82	1.58
22	18	4,800	3,360	0.70	1.40	4,650	3,255	0.70	1.51	4,350	3,045	0.70	1.62
22	20	5,200	3,016	0.58	1.43	5,000	2,900	0.58	1.53	4,700	2,726	0.58	1.65
24	16	4,450	4,005	0.90	1.36	4,250	3,825	0.90	1.46	4,050	3,645	0.90	1.58
24	18	4,800	3,744	0.78	1.40	4,650	3,627	0.78	1.51	4,350	3,393	0.78	1.62
24	20	5,200	3,432	0.66	1.43	5,000	3,300	0.66	1.53	4,700	3,102	0.66	1.65
24	22	5,600	3,024	0.54	1.46	5,400	2,916	0.54	1.58	5,100	2,754	0.54	1.68
26	16	4,450	4,361	0.98	1.36	4,250	4,165	0.98	1.46	4,050	3,969	0.98	1.58
26	18	4,800	4,128	0.86	1.40	4,650	3,999	0.86	1.51	4,350	3,741	0.86	1.62
26	20	5,200	3,848	0.74	1.43	5,000	3,700	0.74	1.53	4,700	3,478	0.74	1.65
26	22	5,600	3,472	0.62	1.46	5,400	3,348	0.62	1.58	5,100	3,162	0.62	1.68
27	16	4,450	4,450	1.00	1.36	4,250	4,250	1.00	1.46	4,050	4,050	1.00	1.58
27	18	4,800	4,320	0.90	1.40	4,650	4,185	0.90	1.51	4,350	3,915	0.90	1.62
27	20	5,200	4,056	0.78	1.43	5,000	3,900	0.78	1.53	4,700	3,666	0.78	1.65
27	22	5,600	3,696	0.66	1.46	5,400	3,564	0.66	1.58	5,100	3,366	0.66	1.68
28	16	4,450	4,450	1.00	1.36	4,250	4,250	1.00	1.46	4,050	4,050	1.00	1.58
28	18	4,800	4,512	0.94	1.40	4,650	4,371	0.94	1.51	4,350	4,089	0.94	1.62
28	20	5,200	4,264	0.82	1.43	5,000	4,100	0.82	1.53	4,700	3,854	0.82	1.65
28	22	5,600	3,920	0.70	1.46	5,400	3,780	0.70	1.58	5,100	3,570	0.70	1.68
30	16	4,450	4,450	1.00	1.36	4,250	4,250	1.00	1.46	4,050	4,050	1.00	1.58
30	18	4,800	4,800	1.00	1.40	4,650	4,650	1.00	1.51	4,350	4,350	1.00	1.62
30	20	5,200	4,680	0.90	1.43	5,000	4,500	0.90	1.53	4,700	4,230	0.90	1.65
30	22	5,600	4,368	0.78	1.46	5,400	4,212	0.78	1.58	5,100	3,978	0.78	1.68
32	16	4,450	4,450	1.00	1.36	4,250	4,250	1.00	1.46	4,050	4,050	1.00	1.58
32	18	4,800	4,800	1.00	1.40	4,650	4,650	1.00	1.51	4,350	4,350	1.00	1.62
32	20	5,200	5,096	0.98	1.43	5,000	4,900	0.98	1.53	4,700	4,606	0.98	1.65
32	22	5,600	4,816	0.86	1.46	5,400	4,644	0.86	1.58	5,100	4,386	0.86	1.68
34	16	4,450	4,450	1.00	1.36	4,250	4,250	1.00	1.46	4,050	4,050	1.00	1.58
34	18	4,800	4,800	1.00	1.40	4,650	4,650	1.00	1.51	4,350	4,350	1.00	1.62
34	20	5,200	5,200	1.00	1.43	5,000	5,000	1.00	1.53	4,700	4,700	1.00	1.65
34	22	5,600	5,264	0.94	1.46	5,400	5,076	0.94	1.58	5,100	4,794	0.94	1.68

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M60JAL / PUHZ-ZRP60VHA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	6,039	4,408	0.73	1.30	5,856	4,275	0.73	1.38	5,673	4,141	0.73	1.46
20	18	6,466	3,944	0.61	1.33	6,283	3,833	0.61	1.40	6,070	3,702	0.61	1.50
20	20	6,954	3,407	0.49	1.37	6,802	3,333	0.49	1.43	6,619	3,243	0.49	1.53
22	16	6,039	4,892	0.81	1.30	5,856	4,743	0.81	1.38	5,673	4,595	0.81	1.46
22	18	6,466	4,462	0.69	1.33	6,283	4,335	0.69	1.40	6,070	4,188	0.69	1.50
22	20	6,954	3,964	0.57	1.37	6,802	3,877	0.57	1.43	6,619	3,773	0.57	1.53
24	16	6,039	5,375	0.89	1.30	5,856	5,212	0.89	1.38	5,673	5,049	0.89	1.46
24	18	6,466	4,979	0.77	1.33	6,283	4,838	0.77	1.40	6,070	4,674	0.77	1.50
24	20	6,954	4,520	0.65	1.37	6,802	4,421	0.65	1.43	6,619	4,302	0.65	1.53
24	22	7,412	3,928	0.53	1.40	7,259	3,847	0.53	1.48	7,076	3,750	0.53	1.58
26	16	6,039	5,858	0.97	1.30	5,856	5,680	0.97	1.38	5,673	5,503	0.97	1.46
26	18	6,466	5,496	0.85	1.33	6,283	5,341	0.85	1.40	6,070	5,159	0.85	1.50
26	20	6,954	5,076	0.73	1.37	6,802	4,965	0.73	1.43	6,619	4,832	0.73	1.53
26	22	7,412	4,521	0.61	1.40	7,259	4,428	0.61	1.48	7,076	4,316	0.61	1.58
27	16	6,039	6,039	1.00	1.30	5,856	5,856	1.00	1.38	5,673	5,673	1.00	1.46
27	18	6,466	5,755	0.89	1.33	6,283	5,592	0.89	1.40	6,070	5,402	0.89	1.50
27	20	6,954	5,355	0.77	1.37	6,802	5,237	0.77	1.43	6,619	5,096	0.77	1.53
27	22	7,412	4,817	0.65	1.40	7,259	4,718	0.65	1.48	7,076	4,599	0.65	1.58
28	16	6,039	6,039	1.00	1.30	5,856	5,856	1.00	1.38	5,673	5,673	1.00	1.46
28	18	6,466	6,013	0.93	1.33	6,283	5,843	0.93	1.40	6,070	5,645	0.93	1.50
28	20	6,954	5,633	0.81	1.37	6,802	5,509	0.81	1.43	6,619	5,361	0.81	1.53
28	22	7,412	5,114	0.69	1.40	7,259	5,009	0.69	1.48	7,076	4,882	0.69	1.58
30	16	6,039	6,039	1.00	1.30	5,856	5,856	1.00	1.38	5,673	5,673	1.00	1.46
30	18	6,466	6,466	1.00	1.33	6,283	6,283	1.00	1.40	6,070	6,070	1.00	1.50
30	20	6,954	6,189	0.89	1.37	6,802	6,053	0.89	1.43	6,619	5,890	0.89	1.53
30	22	7,412	5,707	0.77	1.40	7,259	5,589	0.77	1.48	7,076	5,449	0.77	1.58
32	16	6,039	6,039	1.00	1.30	5,856	5,856	1.00	1.38	5,673	5,673	1.00	1.46
32	18	6,466	6,466	1.00	1.33	6,283	6,283	1.00	1.40	6,070	6,070	1.00	1.50
32	20	6,954	6,745	0.97	1.37	6,802	6,597	0.97	1.43	6,619	6,420	0.97	1.53
32	22	7,412	6,300	0.85	1.40	7,259	6,170	0.85	1.48	7,076	6,015	0.85	1.58
34	16	6,039	6,039	1.00	1.30	5,856	5,856	1.00	1.38	5,673	5,673	1.00	1.46
34	18	6,466	6,466	1.00	1.33	6,283	6,283	1.00	1.40	6,070	6,070	1.00	1.50
34	20	6,954	6,954	1.00	1.37	6,802	6,802	1.00	1.43	6,619	6,619	1.00	1.53
34	22	7,412	6,893	0.93	1.40	7,259	6,751	0.93	1.48	7,076	6,581	0.93	1.58

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	5,429	3,963	0.73	1.56	5,185	3,785	0.73	1.68	4,941	3,607	0.73	1.82
20	18	5,856	3,572	0.61	1.61	5,673	3,461	0.61	1.73	5,307	3,237	0.61	1.86
20	20	6,344	3,109	0.49	1.65	6,100	2,989	0.49	1.76	5,734	2,810	0.49	1.89
22	16	5,429	4,397	0.81	1.56	5,185	4,200	0.81	1.68	4,941	4,002	0.81	1.82
22	18	5,856	4,041	0.69	1.61	5,673	3,914	0.69	1.73	5,307	3,662	0.69	1.86
22	20	6,344	3,616	0.57	1.65	6,100	3,477	0.57	1.76	5,734	3,268	0.57	1.89
24	16	5,429	4,832	0.89	1.56	5,185	4,615	0.89	1.68	4,941	4,397	0.89	1.82
24	18	5,856	4,509	0.77	1.61	5,673	4,368	0.77	1.73	5,307	4,086	0.77	1.86
24	20	6,344	4,124	0.65	1.65	6,100	3,965	0.65	1.76	5,734	3,727	0.65	1.89
24	22	6,832	3,621	0.53	1.68	6,588	3,492	0.53	1.81	6,222	3,298	0.53	1.92
26	16	5,429	5,266	0.97	1.56	5,185	5,029	0.97	1.68	4,941	4,793	0.97	1.82
26	18	5,856	4,978	0.85	1.61	5,673	4,822	0.85	1.73	5,307	4,511	0.85	1.86
26	20	6,344	4,631	0.73	1.65	6,100	4,453	0.73	1.76	5,734	4,186	0.73	1.89
26	22	6,832	4,168	0.61	1.68	6,588	4,019	0.61	1.81	6,222	3,795	0.61	1.92
27	16	5,429	5,429	1.00	1.56	5,185	5,185	1.00	1.68	4,941	4,941	1.00	1.82
27	18	5,856	5,212	0.89	1.61	5,673	5,049	0.89	1.73	5,307	4,723	0.89	1.86
27	20	6,344	4,885	0.77	1.65	6,100	4,697	0.77	1.76	5,734	4,415	0.77	1.89
27	22	6,832	4,441	0.65	1.68	6,588	4,282	0.65	1.81	6,222	4,044	0.65	1.92
28	16	5,429	5,429	1.00	1.56	5,185	5,185	1.00	1.68	4,941	4,941	1.00	1.82
28	18	5,856	5,446	0.93	1.61	5,673	5,276	0.93	1.73	5,307	4,936	0.93	1.86
28	20	6,344	5,139	0.81	1.65	6,100	4,941	0.81	1.76	5,734	4,645	0.81	1.89
28	22	6,832	4,714	0.69	1.68	6,588	4,546	0.69	1.81	6,222	4,293	0.69	1.92
30	16	5,429	5,429	1.00	1.56	5,185	5,185	1.00	1.68	4,941	4,941	1.00	1.82
30	18	5,856	5,856	1.00	1.61	5,673	5,673	1.00	1.73	5,307	5,307	1.00	1.86
30	20	6,344	5,646	0.89	1.65	6,100	5,429	0.89	1.76	5,734	5,103	0.89	1.89
30	22	6,832	5,261	0.77	1.68	6,588	5,073	0.77	1.81	6,222	4,791	0.77	1.92
32	16	5,429	5,429	1.00	1.56	5,185	5,185	1.00	1.68	4,941	4,941	1.00	1.82
32	18	5,856	5,856	1.00	1.61	5,673	5,673	1.00	1.73	5,307	5,307	1.00	1.86
32	20	6,344	6,154	0.97	1.65	6,100	5,917	0.97	1.76	5,734	5,562	0.97	1.89
32	22	6,832	5,807	0.85	1.68	6,588	5,600	0.85	1.81	6,222	5,289	0.85	1.92
34	16	5,429	5,429	1.00	1.56	5,185	5,185	1.00	1.68	4,941	4,941	1.00	1.82
34	18	5,856	5,856	1.00	1.61	5,673	5,673	1.00	1.73	5,307	5,307	1.00	1.86
34	20	6,344	6,344	1.00	1.65	6,100	6,100	1.00	1.76	5,734	5,734	1.00	1.89
34	22	6,832	6,354	0.93	1.68	6,588	6,127	0.93	1.81	6,222	5,786	0.93	1.92

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M71JAL / PUHZ-ZRP71VHA2

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		20				25				30			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	7,029	5,131	0.73	1.59	6,816	4,976	0.73	1.68	6,603	4,820	0.73	1.78
20	18	7,526	4,591	0.61	1.62	7,313	4,461	0.61	1.71	7,065	4,309	0.61	1.83
20	20	8,094	3,966	0.49	1.67	7,917	3,879	0.49	1.75	7,704	3,775	0.49	1.87
22	16	7,029	5,693	0.81	1.59	6,816	5,521	0.81	1.68	6,603	5,348	0.81	1.78
22	18	7,526	5,193	0.69	1.62	7,313	5,046	0.69	1.71	7,065	4,875	0.69	1.83
22	20	8,094	4,614	0.57	1.67	7,917	4,512	0.57	1.75	7,704	4,391	0.57	1.87
24	16	7,029	6,256	0.89	1.59	6,816	6,066	0.89	1.68	6,603	5,877	0.89	1.78
24	18	7,526	5,795	0.77	1.62	7,313	5,631	0.77	1.71	7,065	5,440	0.77	1.83
24	20	8,094	5,261	0.65	1.67	7,917	5,146	0.65	1.75	7,704	5,007	0.65	1.87
24	22	8,627	4,572	0.53	1.71	8,449	4,478	0.53	1.81	8,236	4,365	0.53	1.93
26	16	7,029	6,818	0.97	1.59	6,816	6,612	0.97	1.68	6,603	6,405	0.97	1.78
26	18	7,526	6,397	0.85	1.62	7,313	6,216	0.85	1.71	7,065	6,005	0.85	1.83
26	20	8,094	5,909	0.73	1.67	7,917	5,779	0.73	1.75	7,704	5,624	0.73	1.87
26	22	8,627	5,262	0.61	1.71	8,449	5,154	0.61	1.81	8,236	5,024	0.61	1.93
27	16	7,029	7,029	1.00	1.59	6,816	6,816	1.00	1.68	6,603	6,603	1.00	1.78
27	18	7,526	6,698	0.89	1.62	7,313	6,509	0.89	1.71	7,065	6,287	0.89	1.83
27	20	8,094	6,232	0.77	1.67	7,917	6,096	0.77	1.75	7,704	5,932	0.77	1.87
27	22	8,627	5,607	0.65	1.71	8,449	5,492	0.65	1.81	8,236	5,353	0.65	1.93
28	16	7,029	7,029	1.00	1.59	6,816	6,816	1.00	1.68	6,603	6,603	1.00	1.78
28	18	7,526	6,999	0.93	1.62	7,313	6,801	0.93	1.71	7,065	6,570	0.93	1.83
28	20	8,094	6,556	0.81	1.67	7,917	6,412	0.81	1.75	7,704	6,240	0.81	1.87
28	22	8,627	5,952	0.69	1.71	8,449	5,830	0.69	1.81	8,236	5,683	0.69	1.93
30	16	7,029	7,029	1.00	1.59	6,816	6,816	1.00	1.68	6,603	6,603	1.00	1.78
30	18	7,526	7,526	1.00	1.62	7,313	7,313	1.00	1.71	7,065	7,065	1.00	1.83
30	20	8,094	7,204	0.89	1.67	7,917	7,046	0.89	1.75	7,704	6,856	0.89	1.87
30	22	8,627	6,642	0.77	1.71	8,449	6,506	0.77	1.81	8,236	6,342	0.77	1.93
32	16	7,029	7,029	1.00	1.59	6,816	6,816	1.00	1.68	6,603	6,603	1.00	1.78
32	18	7,526	7,526	1.00	1.62	7,313	7,313	1.00	1.71	7,065	7,065	1.00	1.83
32	20	8,094	7,851	0.97	1.67	7,917	7,679	0.97	1.75	7,704	7,472	0.97	1.87
32	22	8,627	7,333	0.85	1.71	8,449	7,182	0.85	1.81	8,236	7,001	0.85	1.93
34	16	7,029	7,029	1.00	1.59	6,816	6,816	1.00	1.68	6,603	6,603	1.00	1.78
34	18	7,526	7,526	1.00	1.62	7,313	7,313	1.00	1.71	7,065	7,065	1.00	1.83
34	20	8,094	8,094	1.00	1.67	7,917	7,917	1.00	1.75	7,704	7,704	1.00	1.87
34	22	8,627	8,023	0.93	1.71	8,449	7,858	0.93	1.81	8,236	7,659	0.93	1.93

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		35				40				45			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	6,319	4,613	0.73	1.91	6,035	4,406	0.73	2.05	5,751	4,198	0.73	2.22
20	18	6,816	4,158	0.61	1.96	6,603	4,028	0.61	2.11	6,177	3,768	0.61	2.27
20	20	7,384	3,618	0.49	2.01	7,100	3,479	0.49	2.15	6,674	3,270	0.49	2.31
22	16	6,319	5,118	0.81	1.91	6,035	4,888	0.81	2.05	5,751	4,658	0.81	2.22
22	18	6,816	4,703	0.69	1.96	6,603	4,556	0.69	2.11	6,177	4,262	0.69	2.27
22	20	7,384	4,209	0.57	2.01	7,100	4,047	0.57	2.15	6,674	3,804	0.57	2.31
24	16	6,319	5,624	0.89	1.91	6,035	5,371	0.89	2.05	5,751	5,118	0.89	2.22
24	18	6,816	5,248	0.77	1.96	6,603	5,084	0.77	2.11	6,177	4,756	0.77	2.27
24	20	7,384	4,800	0.65	2.01	7,100	4,615	0.65	2.15	6,674	4,338	0.65	2.31
24	22	7,952	4,215	0.53	2.05	7,668	4,064	0.53	2.21	7,242	3,838	0.53	2.35
26	16	6,319	6,129	0.97	1.91	6,035	5,854	0.97	2.05	5,751	5,578	0.97	2.22
26	18	6,816	5,794	0.85	1.96	6,603	5,613	0.85	2.11	6,177	5,250	0.85	2.27
26	20	7,384	5,390	0.73	2.01	7,100	5,183	0.73	2.15	6,674	4,872	0.73	2.31
26	22	7,952	4,851	0.61	2.05	7,668	4,677	0.61	2.21	7,242	4,418	0.61	2.35
27	16	6,319	6,319	1.00	1.91	6,035	6,035	1.00	2.05	5,751	5,751	1.00	2.22
27	18	6,816	6,066	0.89	1.96	6,603	5,877	0.89	2.11	6,177	5,498	0.89	2.27
27	20	7,384	5,686	0.77	2.01	7,100	5,467	0.77	2.15	6,674	5,139	0.77	2.31
27	22	7,952	5,169	0.65	2.05	7,668	4,984	0.65	2.21	7,242	4,707	0.65	2.35
28	16	6,319	6,319	1.00	1.91	6,035	6,035	1.00	2.05	5,751	5,751	1.00	2.22
28	18	6,816	6,339	0.93	1.96	6,603	6,141	0.93	2.11	6,177	5,745	0.93	2.27
28	20	7,384	5,981	0.81	2.01	7,100	5,751	0.81	2.15	6,674	5,406	0.81	2.31
28	22	7,952	5,487	0.69	2.05	7,668	5,291	0.69	2.21	7,242	4,997	0.69	2.35
30	16	6,319	6,319	1.00	1.91	6,035	6,035	1.00	2.05	5,751	5,751	1.00	2.22
30	18	6,816	6,816	1.00	1.96	6,603	6,603	1.00	2.11	6,177	6,177	1.00	2.27
30	20	7,384	6,572	0.89	2.01	7,100	6,319	0.89	2.15	6,674	5,940	0.89	2.31
30	22	7,952	6,123	0.77	2.05	7,668	5,904	0.77	2.21	7,242	5,576	0.77	2.35
32	16	6,319	6,319	1.00	1.91	6,035	6,035	1.00	2.05	5,751	5,751	1.00	2.22
32	18	6,816	6,816	1.00	1.96	6,603	6,603	1.00	2.11	6,177	6,177	1.00	2.27
32	20	7,384	7,162	0.97	2.01	7,100	6,887	0.97	2.15	6,674	6,474	0.97	2.31
32	22	7,952	6,759	0.85	2.05	7,668	6,518	0.85	2.21	7,242	6,156	0.85	2.35
34	16	6,319	6,319	1.00	1.91	6,035	6,035	1.00	2.05	5,751	5,751	1.00	2.22
34	18	6,816	6,816	1.00	1.96	6,603	6,603	1.00	2.11	6,177	6,177	1.00	2.27
34	20	7,384	7,384	1.00	2.01	7,100	7,100	1.00	2.15	6,674	6,674	1.00	2.31
34	22	7,952	7,395	0.93	2.05	7,668	7,131	0.93	2.21	7,242	6,735	0.93	2.35

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PEAD-M100JAL / PUHZ-ZRP100VKA3 PUHZ-ZRP100YKA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,405	6,772	0.72	1.93	9,120	6,566	0.72	2.04	8,835	6,361	0.72	2.16
20	18	10,070	6,042	0.60	1.96	9,785	5,871	0.60	2.07	9,453	5,672	0.60	2.22
20	20	10,830	5,198	0.48	2.02	10,593	5,084	0.48	2.12	10,308	4,948	0.48	2.27
22	16	9,405	7,524	0.80	1.93	9,120	7,296	0.80	2.04	8,835	7,068	0.80	2.16
22	18	10,070	6,848	0.68	1.96	9,785	6,654	0.68	2.07	9,453	6,428	0.68	2.22
22	20	10,830	6,065	0.56	2.02	10,593	5,932	0.56	2.12	10,308	5,772	0.56	2.27
24	16	9,405	8,276	0.88	1.93	9,120	8,026	0.88	2.04	8,835	7,775	0.88	2.16
24	18	10,070	7,653	0.76	1.96	9,785	7,437	0.76	2.07	9,453	7,184	0.76	2.22
24	20	10,830	6,931	0.64	2.02	10,593	6,779	0.64	2.12	10,308	6,597	0.64	2.27
24	22	11,543	6,002	0.52	2.07	11,305	5,879	0.52	2.19	11,020	5,730	0.52	2.34
26	16	9,405	9,029	0.96	1.93	9,120	8,755	0.96	2.04	8,835	8,482	0.96	2.16
26	18	10,070	8,459	0.84	1.96	9,785	8,219	0.84	2.07	9,453	7,940	0.84	2.22
26	20	10,830	7,798	0.72	2.02	10,593	7,627	0.72	2.12	10,308	7,421	0.72	2.27
26	22	11,543	6,926	0.60	2.07	11,305	6,783	0.60	2.19	11,020	6,612	0.60	2.34
27	16	9,405	9,405	1.00	1.93	9,120	9,120	1.00	2.04	8,835	8,835	1.00	2.16
27	18	10,070	8,862	0.88	1.96	9,785	8,611	0.88	2.07	9,453	8,318	0.88	2.22
27	20	10,830	8,231	0.76	2.02	10,593	8,050	0.76	2.12	10,308	7,834	0.76	2.27
27	22	11,543	7,387	0.64	2.07	11,305	7,235	0.64	2.19	11,020	7,053	0.64	2.34
28	16	9,405	9,405	1.00	1.93	9,120	9,120	1.00	2.04	8,835	8,835	1.00	2.16
28	18	10,070	9,264	0.92	1.96	9,785	9,002	0.92	2.07	9,453	8,696	0.92	2.22
28	20	10,830	8,664	0.80	2.02	10,593	8,474	0.80	2.12	10,308	8,246	0.80	2.27
28	22	11,543	7,849	0.68	2.07	11,305	7,687	0.68	2.19	11,020	7,494	0.68	2.34
30	16	9,405	9,405	1.00	1.93	9,120	9,120	1.00	2.04	8,835	8,835	1.00	2.16
30	18	10,070	10,070	1.00	1.96	9,785	9,785	1.00	2.07	9,453	9,453	1.00	2.22
30	20	10,830	9,530	0.88	2.02	10,593	9,321	0.88	2.12	10,308	9,071	0.88	2.27
30	22	11,543	8,772	0.76	2.07	11,305	8,592	0.76	2.19	11,020	8,375	0.76	2.34
32	16	9,405	9,405	1.00	1.93	9,120	9,120	1.00	2.04	8,835	8,835	1.00	2.16
32	18	10,070	10,070	1.00	1.96	9,785	9,785	1.00	2.07	9,453	9,453	1.00	2.22
32	20	10,830	10,397	0.96	2.02	10,593	10,169	0.96	2.12	10,308	9,895	0.96	2.27
32	22	11,543	9,696	0.84	2.07	11,305	9,496	0.84	2.19	11,020	9,257	0.84	2.34
34	16	9,405	9,405	1.00	1.93	9,120	9,120	1.00	2.04	8,835	8,835	1.00	2.16
34	18	10,070	10,070	1.00	1.96	9,785	9,785	1.00	2.07	9,453	9,453	1.00	2.22
34	20	10,830	10,830	1.00	2.02	10,593	10,593	1.00	2.12	10,308	10,308	1.00	2.27
34	22	11,543	10,619	0.92	2.07	11,305	10,401	0.92	2.19	11,020	10,138	0.92	2.34

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,455	6,088	0.72	2.31	8,075	5,814	0.72	2.48	7,695	5,540	0.72	2.69
20	18	9,120	5,472	0.60	2.37	8,835	5,301	0.60	2.55	8,265	4,959	0.60	2.75
20	20	9,880	4,742	0.48	2.43	9,500	4,560	0.48	2.60	8,930	4,286	0.48	2.80
22	16	8,455	6,764	0.80	2.31	8,075	6,460	0.80	2.48	7,695	6,156	0.80	2.69
22	18	9,120	6,202	0.68	2.37	8,835	6,008	0.68	2.55	8,265	5,620	0.68	2.75
22	20	9,880	5,533	0.56	2.43	9,500	5,320	0.56	2.60	8,930	5,001	0.56	2.80
24	16	8,455	7,440	0.88	2.31	8,075	7,106	0.88	2.48	7,695	6,772	0.88	2.69
24	18	9,120	6,931	0.76	2.37	8,835	6,715	0.76	2.55	8,265	6,281	0.76	2.75
24	20	9,880	6,323	0.64	2.43	9,500	6,080	0.64	2.60	8,930	5,715	0.64	2.80
24	22	10,640	5,533	0.52	2.48	10,260	5,335	0.52	2.68	9,690	5,039	0.52	2.84
26	16	8,455	8,117	0.96	2.31	8,075	7,752	0.96	2.48	7,695	7,387	0.96	2.69
26	18	9,120	7,661	0.84	2.37	8,835	7,421	0.84	2.55	8,265	6,943	0.84	2.75
26	20	9,880	7,114	0.72	2.43	9,500	6,840	0.72	2.60	8,930	6,430	0.72	2.80
26	22	10,640	6,384	0.60	2.48	10,260	6,156	0.60	2.68	9,690	5,814	0.60	2.84
27	16	8,455	8,455	1.00	2.31	8,075	8,075	1.00	2.48	7,695	7,695	1.00	2.69
27	18	9,120	8,026	0.88	2.37	8,835	7,775	0.88	2.55	8,265	7,273	0.88	2.75
27	20	9,880	7,509	0.76	2.43	9,500	7,220	0.76	2.60	8,930	6,787	0.76	2.80
27	22	10,640	6,810	0.64	2.48	10,260	6,566	0.64	2.68	9,690	6,202	0.64	2.84
28	16	8,455	8,455	1.00	2.31	8,075	8,075	1.00	2.48	7,695	7,695	1.00	2.69
28	18	9,120	8,390	0.92	2.37	8,835	8,128	0.92	2.55	8,265	7,604	0.92	2.75
28	20	9,880	7,904	0.80	2.43	9,500	7,600	0.80	2.60	8,930	7,144	0.80	2.80
28	22	10,640	7,235	0.68	2.48	10,260	6,977	0.68	2.68	9,690	6,589	0.68	2.84
30	16	8,455	8,455	1.00	2.31	8,075	8,075	1.00	2.48	7,695	7,695	1.00	2.69
30	18	9,120	9,120	1.00	2.37	8,835	8,835	1.00	2.55	8,265	8,265	1.00	2.75
30	20	9,880	8,694	0.88	2.43	9,500	8,360	0.88	2.60	8,930	7,858	0.88	2.80
30	22	10,640	8,086	0.76	2.48	10,260	7,798	0.76	2.68	9,690	7,364	0.76	2.84
32	16	8,455	8,455	1.00	2.31	8,075	8,075	1.00	2.48	7,695	7,695	1.00	2.69
32	18	9,120	9,120	1.00	2.37	8,835	8,835	1.00	2.55	8,265	8,265	1.00	2.75
32	20	9,880	9,485	0.96	2.43	9,500	9,120	0.96	2.60	8,930	8,573	0.96	2.80
32	22	10,640	8,938	0.84	2.48	10,260	8,618	0.84	2.68	9,690	8,140	0.84	2.84
34	16	8,455	8,455	1.00	2.31	8,075	8,075	1.00	2.48	7,695	7,695	1.00	2.69
34	18	9,120	9,120	1.00	2.37	8,835	8,835	1.00	2.55	8,265	8,265	1.00	2.75
34	20	9,880	9,880	1.00	2.43	9,500	9,500	1.00	2.60	8,930	8,930	1.00	2.80
34	22	10,640	9,789	0.92	2.48	10,260	9,439	0.92	2.68	9,690	8,915	0.92	2.84

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PEAD-M125JAL / PUHZ-ZRP125VKA3 PUHZ-ZRP125YKA3

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		20				25				30			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	12,375	9,158	0.74	3.06	12,000	8,880	0.74	3.24	11,625	8,603	0.74	3.43
20	18	13,250	8,215	0.62	3.12	12,875	7,983	0.62	3.29	12,438	7,711	0.62	3.52
20	20	14,250	7,125	0.50	3.22	13,938	6,969	0.50	3.37	13,563	6,781	0.50	3.60
22	16	12,375	10,148	0.82	3.06	12,000	9,840	0.82	3.24	11,625	9,533	0.82	3.43
22	18	13,250	9,275	0.70	3.12	12,875	9,013	0.70	3.29	12,438	8,706	0.70	3.52
22	20	14,250	8,265	0.58	3.22	13,938	8,084	0.58	3.37	13,563	7,866	0.58	3.60
24	16	12,375	11,138	0.90	3.06	12,000	10,800	0.90	3.24	11,625	10,463	0.90	3.43
24	18	13,250	10,335	0.78	3.12	12,875	10,043	0.78	3.29	12,438	9,701	0.78	3.52
24	20	14,250	9,405	0.66	3.22	13,938	9,199	0.66	3.37	13,563	8,951	0.66	3.60
24	22	15,188	8,201	0.54	3.29	14,875	8,033	0.54	3.49	14,500	7,830	0.54	3.72
26	16	12,375	12,128	0.98	3.06	12,000	11,760	0.98	3.24	11,625	11,393	0.98	3.43
26	18	13,250	11,395	0.86	3.12	12,875	11,073	0.86	3.29	12,438	10,696	0.86	3.52
26	20	14,250	10,545	0.74	3.22	13,938	10,314	0.74	3.37	13,563	10,036	0.74	3.60
26	22	15,188	9,416	0.62	3.29	14,875	9,223	0.62	3.49	14,500	8,990	0.62	3.72
27	16	12,375	12,375	1.00	3.06	12,000	12,000	1.00	3.24	11,625	11,625	1.00	3.43
27	18	13,250	11,925	0.90	3.12	12,875	11,588	0.90	3.29	12,438	11,194	0.90	3.52
27	20	14,250	11,115	0.78	3.22	13,938	10,871	0.78	3.37	13,563	10,579	0.78	3.60
27	22	15,188	10,024	0.66	3.29	14,875	9,818	0.66	3.49	14,500	9,570	0.66	3.72
28	16	12,375	12,375	1.00	3.06	12,000	12,000	1.00	3.24	11,625	11,625	1.00	3.43
28	18	13,250	12,455	0.94	3.12	12,875	12,103	0.94	3.29	12,438	11,691	0.94	3.52
28	20	14,250	11,685	0.82	3.22	13,938	11,429	0.82	3.37	13,563	11,121	0.82	3.60
28	22	15,188	10,631	0.70	3.29	14,875	10,413	0.70	3.49	14,500	10,150	0.70	3.72
30	16	12,375	12,375	1.00	3.06	12,000	12,000	1.00	3.24	11,625	11,625	1.00	3.43
30	18	13,250	13,250	1.00	3.12	12,875	12,875	1.00	3.29	12,438	12,438	1.00	3.52
30	20	14,250	12,825	0.90	3.22	13,938	12,544	0.90	3.37	13,563	12,206	0.90	3.60
30	22	15,188	11,846	0.78	3.29	14,875	11,603	0.78	3.49	14,500	11,310	0.78	3.72
32	16	12,375	12,375	1.00	3.06	12,000	12,000	1.00	3.24	11,625	11,625	1.00	3.43
32	18	13,250	13,250	1.00	3.12	12,875	12,875	1.00	3.29	12,438	12,438	1.00	3.52
32	20	14,250	13,965	0.98	3.22	13,938	13,659	0.98	3.37	13,563	13,291	0.98	3.60
32	22	15,188	13,061	0.86	3.29	14,875	12,793	0.86	3.49	14,500	12,470	0.86	3.72
34	16	12,375	12,375	1.00	3.06	12,000	12,000	1.00	3.24	11,625	11,625	1.00	3.43
34	18	13,250	13,250	1.00	3.12	12,875	12,875	1.00	3.29	12,438	12,438	1.00	3.52
34	20	14,250	14,250	1.00	3.22	13,938	13,938	1.00	3.37	13,563	13,563	1.00	3.60
34	22	15,188	14,276	0.94	3.29	14,875	13,983	0.94	3.49	14,500	13,630	0.94	3.72

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		35				40				45			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	11,125	8,233	0.74	3.68	10,625	7,863	0.74	3.94	10,125	7,493	0.74	4.27
20	18	12,000	7,440	0.62	3.77	11,625	7,208	0.62	4.06	10,875	6,743	0.62	4.37
20	20	13,000	6,500	0.50	3.87	12,500	6,250	0.50	4.14	11,750	5,875	0.50	4.44
22	16	11,125	9,123	0.82	3.68	10,625	8,713	0.82	3.94	10,125	8,303	0.82	4.27
22	18	12,000	8,400	0.70	3.77	11,625	8,138	0.70	4.06	10,875	7,613	0.70	4.37
22	20	13,000	7,540	0.58	3.87	12,500	7,250	0.58	4.14	11,750	6,815	0.58	4.44
24	16	11,125	10,013	0.90	3.68	10,625	9,563	0.90	3.94	10,125	9,113	0.90	4.27
24	18	12,000	9,360	0.78	3.77	11,625	9,068	0.78	4.06	10,875	8,483	0.78	4.37
24	20	13,000	8,580	0.66	3.87	12,500	8,250	0.66	4.14	11,750	7,755	0.66	4.44
24	22	14,000	7,560	0.54	3.94	13,500	7,290	0.54	4.25	12,750	6,885	0.54	4.52
26	16	11,125	10,903	0.98	3.68	10,625	10,413	0.98	3.94	10,125	9,923	0.98	4.27
26	18	12,000	10,320	0.86	3.77	11,625	9,998	0.86	4.06	10,875	9,353	0.86	4.37
26	20	13,000	9,620	0.74	3.87	12,500	9,250	0.74	4.14	11,750	8,695	0.74	4.44
26	22	14,000	8,680	0.62	3.94	13,500	8,370	0.62	4.25	12,750	7,905	0.62	4.52
27	16	11,125	11,125	1.00	3.68	10,625	10,625	1.00	3.94	10,125	10,125	1.00	4.27
27	18	12,000	10,800	0.90	3.77	11,625	10,463	0.90	4.06	10,875	9,788	0.90	4.37
27	20	13,000	10,140	0.78	3.87	12,500	9,750	0.78	4.14	11,750	9,165	0.78	4.44
27	22	14,000	9,240	0.66	3.94	13,500	8,910	0.66	4.25	12,750	8,415	0.66	4.52
28	16	11,125	11,125	1.00	3.68	10,625	10,625	1.00	3.94	10,125	10,125	1.00	4.27
28	18	12,000	11,280	0.94	3.77	11,625	10,928	0.94	4.06	10,875	10,223	0.94	4.37
28	20	13,000	10,660	0.82	3.87	12,500	10,250	0.82	4.14	11,750	9,635	0.82	4.44
28	22	14,000	9,800	0.70	3.94	13,500	9,450	0.70	4.25	12,750	8,925	0.70	4.52
30	16	11,125	11,125	1.00	3.68	10,625	10,625	1.00	3.94	10,125	10,125	1.00	4.27
30	18	12,000	12,000	1.00	3.77	11,625	11,625	1.00	4.06	10,875	10,875	1.00	4.37
30	20	13,000	11,700	0.90	3.87	12,500	11,250	0.90	4.14	11,750	10,575	0.90	4.44
30	22	14,000	10,920	0.78	3.94	13,500	10,530	0.78	4.25	12,750	9,945	0.78	4.52
32	16	11,125	11,125	1.00	3.68	10,625	10,625	1.00	3.94	10,125	10,125	1.00	4.27
32	18	12,000	12,000	1.00	3.77	11,625	11,625	1.00	4.06	10,875	10,875	1.00	4.37
32	20	13,000	12,740	0.98	3.87	12,500	12,250	0.98	4.14	11,750	11,515	0.98	4.44
32	22	14,000	12,040	0.86	3.94	13,500	11,610	0.86	4.25	12,750	10,965	0.86	4.52
34	16	11,125	11,125	1.00	3.68	10,625	10,625	1.00	3.94	10,125	10,125	1.00	4.27
34	18	12,000	12,000	1.00	3.77	11,625	11,625	1.00	4.06	10,875	10,875	1.00	4.37
34	20	13,000	13,000	1.00	3.87	12,500	12,500	1.00	4.14	11,750	11,750	1.00	4.44
34	22	14,000	13,160	0.94	3.94	13,500	12,690	0.94	4.25	12,750	11,985	0.94	4.52

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PEAD-M140JAL / PUHZ-ZRP140VKA3 PUHZ-ZRP140YKA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,266	9,817	0.74	3.43	12,864	9,519	0.74	3.63	12,462	9,222	0.74	3.84
20	18	14,204	8,806	0.62	3.50	13,802	8,557	0.62	3.69	13,333	8,266	0.62	3.95
20	20	15,276	7,638	0.50	3.60	14,941	7,471	0.50	3.78	14,539	7,270	0.50	4.03
22	16	13,266	10,878	0.82	3.43	12,864	10,548	0.82	3.63	12,462	10,219	0.82	3.84
22	18	14,204	9,943	0.70	3.50	13,802	9,661	0.70	3.69	13,333	9,333	0.70	3.95
22	20	15,276	8,860	0.58	3.60	14,941	8,666	0.58	3.78	14,539	8,433	0.58	4.03
24	16	13,266	11,939	0.90	3.43	12,864	11,578	0.90	3.63	12,462	11,216	0.90	3.84
24	18	14,204	11,079	0.78	3.50	13,802	10,766	0.78	3.69	13,333	10,400	0.78	3.95
24	20	15,276	10,082	0.66	3.60	14,941	9,861	0.66	3.78	14,539	9,596	0.66	4.03
24	22	16,281	8,792	0.54	3.69	15,946	8,611	0.54	3.90	15,544	8,394	0.54	4.16
26	16	13,266	13,001	0.98	3.43	12,864	12,607	0.98	3.63	12,462	12,213	0.98	3.84
26	18	14,204	12,215	0.86	3.50	13,802	11,870	0.86	3.69	13,333	11,466	0.86	3.95
26	20	15,276	11,304	0.74	3.60	14,941	11,056	0.74	3.78	14,539	10,759	0.74	4.03
26	22	16,281	10,094	0.62	3.69	15,946	9,887	0.62	3.90	15,544	9,637	0.62	4.16
27	16	13,266	13,266	1.00	3.43	12,864	12,864	1.00	3.63	12,462	12,462	1.00	3.84
27	18	14,204	12,784	0.90	3.50	13,802	12,422	0.90	3.69	13,333	12,000	0.90	3.95
27	20	15,276	11,915	0.78	3.60	14,941	11,654	0.78	3.78	14,539	11,340	0.78	4.03
27	22	16,281	10,745	0.66	3.69	15,946	10,524	0.66	3.90	15,544	10,259	0.66	4.16
28	16	13,266	13,266	1.00	3.43	12,864	12,864	1.00	3.63	12,462	12,462	1.00	3.84
28	18	14,204	13,352	0.94	3.50	13,802	12,974	0.94	3.69	13,333	12,533	0.94	3.95
28	20	15,276	12,526	0.82	3.60	14,941	12,252	0.82	3.78	14,539	11,922	0.82	4.03
28	22	16,281	11,397	0.70	3.69	15,946	11,162	0.70	3.90	15,544	10,881	0.70	4.16
30	16	13,266	13,266	1.00	3.43	12,864	12,864	1.00	3.63	12,462	12,462	1.00	3.84
30	18	14,204	14,204	1.00	3.50	13,802	13,802	1.00	3.69	13,333	13,333	1.00	3.95
30	20	15,276	13,748	0.90	3.60	14,941	13,447	0.90	3.78	14,539	13,085	0.90	4.03
30	22	16,281	12,699	0.78	3.69	15,946	12,438	0.78	3.90	15,544	12,124	0.78	4.16
32	16	13,266	13,266	1.00	3.43	12,864	12,864	1.00	3.63	12,462	12,462	1.00	3.84
32	18	14,204	14,204	1.00	3.50	13,802	13,802	1.00	3.69	13,333	13,333	1.00	3.95
32	20	15,276	14,970	0.98	3.60	14,941	14,642	0.98	3.78	14,539	14,248	0.98	4.03
32	22	16,281	14,002	0.86	3.69	15,946	13,714	0.86	3.90	15,544	13,368	0.86	4.16
34	16	13,266	13,266	1.00	3.43	12,864	12,864	1.00	3.63	12,462	12,462	1.00	3.84
34	18	14,204	14,204	1.00	3.50	13,802	13,802	1.00	3.69	13,333	13,333	1.00	3.95
34	20	15,276	15,276	1.00	3.60	14,941	14,941	1.00	3.78	14,539	14,539	1.00	4.03
34	22	16,281	15,304	0.94	3.69	15,946	14,989	0.94	3.90	15,544	14,611	0.94	4.16

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	11,926	8,825	0.74	4.12	11,390	8,429	0.74	4.42	10,854	8,032	0.74	4.78
20	18	12,864	7,976	0.62	4.23	12,462	7,726	0.62	4.55	11,658	7,228	0.62	4.89
20	20	13,936	6,968	0.50	4.33	13,400	6,700	0.50	4.63	12,596	6,298	0.50	4.98
22	16	11,926	9,779	0.82	4.12	11,390	9,340	0.82	4.42	10,854	8,900	0.82	4.78
22	18	12,864	9,005	0.70	4.23	12,462	8,723	0.70	4.55	11,658	8,161	0.70	4.89
22	20	13,936	8,083	0.58	4.33	13,400	7,772	0.58	4.63	12,596	7,306	0.58	4.98
24	16	11,926	10,733	0.90	4.12	11,390	10,251	0.90	4.42	10,854	9,769	0.90	4.78
24	18	12,864	10,034	0.78	4.23	12,462	9,720	0.78	4.55	11,658	9,093	0.78	4.89
24	20	13,936	9,198	0.66	4.33	13,400	8,844	0.66	4.63	12,596	8,313	0.66	4.98
24	22	15,008	8,104	0.54	4.42	14,472	7,815	0.54	4.76	13,668	7,381	0.54	5.06
26	16	11,926	11,687	0.98	4.12	11,390	11,162	0.98	4.42	10,854	10,637	0.98	4.78
26	18	12,864	11,063	0.86	4.23	12,462	10,717	0.86	4.55	11,658	10,026	0.86	4.89
26	20	13,936	10,313	0.74	4.33	13,400	9,916	0.74	4.63	12,596	9,321	0.74	4.98
26	22	15,008	9,305	0.62	4.42	14,472	8,973	0.62	4.76	13,668	8,474	0.62	5.06
27	16	11,926	11,926	1.00	4.12	11,390	11,390	1.00	4.42	10,854	10,854	1.00	4.78
27	18	12,864	11,578	0.90	4.23	12,462	11,216	0.90	4.55	11,658	10,492	0.90	4.89
27	20	13,936	10,870	0.78	4.33	13,400	10,452	0.78	4.63	12,596	9,825	0.78	4.98
27	22	15,008	9,905	0.66	4.42	14,472	9,552	0.66	4.76	13,668	9,021	0.66	5.06
28	16	11,926	11,926	1.00	4.12	11,390	11,390	1.00	4.42	10,854	10,854	1.00	4.78
28	18	12,864	12,092	0.94	4.23	12,462	11,714	0.94	4.55	11,658	10,959	0.94	4.89
28	20	13,936	11,428	0.82	4.33	13,400	10,988	0.82	4.63	12,596	10,329	0.82	4.98
28	22	15,008	10,506	0.70	4.42	14,472	10,130	0.70	4.76	13,668	9,568	0.70	5.06
30	16	11,926	11,926	1.00	4.12	11,390	11,390	1.00	4.42	10,854	10,854	1.00	4.78
30	18	12,864	12,864	1.00	4.23	12,462	12,462	1.00	4.55	11,658	11,658	1.00	4.89
30	20	13,936	12,542	0.90	4.33	13,400	12,060	0.90	4.63	12,596	11,336	0.90	4.98
30	22	15,008	11,706	0.78	4.42	14,472	11,288	0.78	4.76	13,668	10,661	0.78	5.06
32	16	11,926	11,926	1.00	4.12	11,390	11,390	1.00	4.42	10,854	10,854	1.00	4.78
32	18	12,864	12,864	1.00	4.23	12,462	12,462	1.00	4.55	11,658	11,658	1.00	4.89
32	20	13,936	13,657	0.98	4.33	13,400	13,132	0.98	4.63	12,596	12,344	0.98	4.98
32	22	15,008	12,907	0.86	4.42	14,472	12,446	0.86	4.76	13,668	11,754	0.86	5.06
34	16	11,926	11,926	1.00	4.12	11,390	11,390	1.00	4.42	10,854	10,854	1.00	4.78
34	18	12,864	12,864	1.00	4.23	12,462	12,462	1.00	4.55	11,658	11,658	1.00	4.89
34	20	13,936	13,936	1.00	4.33	13,400	13,400	1.00	4.63	12,596	12,596	1.00	4.98
34	22	15,008	14,108	0.94	4.42	14,472	13,604	0.94	4.76	13,668	12,848	0.94	5.06

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M35JA / SUZ-KA35VA6

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
D.B.(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4,230	2,834	0.67	0.840	4,050	2,714	0.67	0.882	3,888	2,605	0.67	0.924	3,744	2,508	0.67	0.966
21	20	4,410	2,426	0.55	0.882	4,230	2,327	0.55	0.935	4,104	2,257	0.55	0.956	3,960	2,178	0.55	0.998
22	18	4,230	3,003	0.71	0.840	4,050	2,876	0.71	0.882	3,888	2,760	0.71	0.924	3,744	2,658	0.71	0.966
22	20	4,410	2,602	0.59	0.882	4,230	2,496	0.59	0.935	4,104	2,421	0.59	0.956	3,960	2,336	0.59	0.998
22	22	4,590	2,157	0.47	0.914	4,428	2,081	0.47	0.971	4,320	2,030	0.47	0.998	4,140	1,946	0.47	1.040
23	18	4,230	3,173	0.75	0.840	4,050	3,038	0.75	0.882	3,888	2,916	0.75	0.924	3,744	2,808	0.75	0.966
23	20	4,410	2,778	0.63	0.882	4,230	2,665	0.63	0.935	4,104	2,586	0.63	0.956	3,960	2,495	0.63	0.998
23	22	4,590	2,341	0.51	0.914	4,428	2,258	0.51	0.971	4,320	2,203	0.51	0.998	4,140	2,111	0.51	1.040
24	18	4,230	3,342	0.79	0.840	4,050	3,200	0.79	0.882	3,888	3,072	0.79	0.924	3,744	2,958	0.79	0.966
24	20	4,410	2,955	0.67	0.882	4,230	2,834	0.67	0.935	4,104	2,750	0.67	0.956	3,960	2,653	0.67	0.998
24	22	4,590	2,525	0.55	0.914	4,428	2,435	0.55	0.971	4,320	2,376	0.55	0.998	4,140	2,277	0.55	1.040
24	24	4,824	2,074	0.43	0.956	4,644	1,997	0.43	1.008	4,536	1,950	0.43	1.040	4,392	1,889	0.43	1.092
25	20	4,410	3,131	0.71	0.882	4,230	3,003	0.71	0.935	4,104	2,914	0.71	0.956	3,960	2,812	0.71	0.998
25	22	4,590	2,708	0.59	0.914	4,428	2,613	0.59	0.971	4,320	2,549	0.59	0.998	4,140	2,443	0.59	1.040
25	24	4,824	2,267	0.47	0.956	4,644	2,183	0.47	1.008	4,536	2,132	0.47	1.040	4,392	2,064	0.47	1.092
26	18	4,230	3,680	0.87	0.840	4,050	3,524	0.87	0.882	3,888	3,383	0.87	0.924	3,744	3,257	0.87	0.966
26	20	4,410	3,308	0.75	0.882	4,230	3,173	0.75	0.935	4,104	3,078	0.75	0.956	3,960	2,970	0.75	0.998
26	22	4,590	2,892	0.63	0.914	4,428	2,790	0.63	0.971	4,320	2,722	0.63	0.998	4,140	2,608	0.63	1.040
26	24	4,824	2,460	0.51	0.956	4,644	2,368	0.51	1.008	4,536	2,313	0.51	1.040	4,392	2,240	0.51	1.092
26	26	4,968	1,938	0.39	1.008	4,824	1,881	0.39	1.061	4,752	1,853	0.39	1.092	4,608	1,797	0.39	1.124
27	18	4,230	3,849	0.91	0.840	4,050	3,686	0.91	0.882	3,888	3,538	0.91	0.924	3,744	3,407	0.91	0.966
27	20	4,410	3,484	0.79	0.882	4,230	3,342	0.79	0.935	4,104	3,242	0.79	0.956	3,960	3,128	0.79	0.998
27	22	4,590	3,075	0.67	0.914	4,428	2,967	0.67	0.971	4,320	2,894	0.67	0.998	4,140	2,774	0.67	1.040
27	24	4,824	2,653	0.55	0.956	4,644	2,554	0.55	1.008	4,536	2,495	0.55	1.040	4,392	2,416	0.55	1.092
27	26	4,968	2,136	0.43	1.008	4,824	2,074	0.43	1.061	4,752	2,043	0.43	1.092	4,608	1,981	0.43	1.124
28	18	4,230	4,019	0.95	0.840	4,050	3,848	0.95	0.882	3,888	3,694	0.95	0.924	3,744	3,557	0.95	0.966
28	20	4,410	3,660	0.83	0.882	4,230	3,511	0.83	0.935	4,104	3,406	0.83	0.956	3,960	3,287	0.83	0.998
28	22	4,590	3,259	0.71	0.914	4,428	3,144	0.71	0.971	4,320	3,067	0.71	0.998	4,140	2,939	0.71	1.040
28	24	4,824	2,846	0.59	0.956	4,644	2,740	0.59	1.008	4,536	2,676	0.59	1.040	4,392	2,591	0.59	1.092
28	26	4,968	2,335	0.47	1.008	4,824	2,267	0.47	1.061	4,752	2,233	0.47	1.092	4,608	2,166	0.47	1.124
29	18	4,230	4,188	0.99	0.840	4,050	4,010	0.99	0.882	3,888	3,849	0.99	0.924	3,744	3,707	0.99	0.966
29	20	4,410	3,837	0.87	0.882	4,230	3,680	0.87	0.935	4,104	3,570	0.87	0.956	3,960	3,445	0.87	0.998
29	22	4,590	3,443	0.75	0.914	4,428	3,321	0.75	0.971	4,320	3,240	0.75	0.998	4,140	3,105	0.75	1.040
29	24	4,824	3,039	0.63	0.956	4,644	2,926	0.63	1.008	4,536	2,858	0.63	1.040	4,392	2,767	0.63	1.092
29	26	4,968	2,534	0.51	1.008	4,824	2,460	0.51	1.061	4,752	2,424	0.51	1.092	4,608	2,350	0.51	1.124
30	18	4,230	4,357	1.03	0.840	4,050	4,172	1.03	0.882	3,888	4,005	1.03	0.924	3,744	3,856	1.03	0.966
30	20	4,410	4,013	0.91	0.882	4,230	3,849	0.91	0.935	4,104	3,735	0.91	0.956	3,960	3,604	0.91	0.998
30	22	4,590	3,626	0.79	0.914	4,428	3,498	0.79	0.971	4,320	3,413	0.79	0.998	4,140	3,271	0.79	1.040
30	24	4,824	3,232	0.67	0.956	4,644	3,111	0.67	1.008	4,536	3,039	0.67	1.040	4,392	2,943	0.67	1.092
30	26	4,968	2,732	0.55	1.008	4,824	2,653	0.55	1.061	4,752	2,614	0.55	1.092	4,608	2,534	0.55	1.124
31	18	4,230	4,526	1.07	0.840	4,050	4,334	1.07	0.882	3,888	4,160	1.07	0.924	3,744	4,006	1.07	0.966
31	20	4,410	4,190	0.95	0.882	4,230	4,019	0.95	0.935	4,104	3,899	0.95	0.956	3,960	3,762	0.95	0.998
31	22	4,590	3,810	0.83	0.914	4,428	3,675	0.83	0.971	4,320	3,586	0.83	0.998	4,140	3,436	0.83	1.040
31	24	4,824	3,425	0.71	0.956	4,644	3,297	0.71	1.008	4,536	3,221	0.71	1.040	4,392	3,118	0.71	1.092
31	26	4,968	2,931	0.59	1.008	4,824	2,846	0.59	1.061	4,752	2,804	0.59	1.092	4,608	2,719	0.59	1.124
32	18	4,230	4,695	1.11	0.840	4,050	4,496	1.11	0.882	3,888	4,316	1.11	0.924	3,744	4,156	1.11	0.966
32	20	4,410	4,366	0.99	0.882	4,230	4,188	0.99	0.935	4,104	4,063	0.99	0.956	3,960	3,920	0.99	0.998
32	22	4,590	3,993	0.87	0.914	4,428	3,852	0.87	0.971	4,320	3,758	0.87	0.998	4,140	3,602	0.87	1.040
32	24	4,824	3,618	0.75	0.956	4,644	3,483	0.75	1.008	4,536	3,402	0.75	1.040	4,392	3,294	0.75	1.092
32	26	4,968	3,130	0.63	1.008	4,824	3,039	0.63	1.061	4,752	2,994	0.63	1.092	4,608	2,903	0.63	1.124

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M35JA / SUZ-KA35VA6

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
D.B.(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3,528	2,364	0.67	1.029	3,240	2,171	0.67	1.092	2,988	2,002	0.67	1.134
21	20	3,708	2,039	0.55	1.071	3,456	1,901	0.55	1.124	3,204	1,762	0.55	1.187
22	18	3,528	2,505	0.71	1.029	3,240	2,300	0.71	1.092	2,988	2,121	0.71	1.134
22	20	3,708	2,188	0.59	1.071	3,456	2,039	0.59	1.124	3,204	1,890	0.59	1.187
22	22	3,924	1,844	0.47	1.113	3,672	1,726	0.47	1.176	3,420	1,607	0.47	1.218
23	18	3,528	2,646	0.75	1.029	3,240	2,430	0.75	1.092	2,988	2,241	0.75	1.134
23	20	3,708	2,336	0.63	1.071	3,456	2,177	0.63	1.124	3,204	2,019	0.63	1.187
23	22	3,924	2,001	0.51	1.113	3,672	1,873	0.51	1.176	3,420	1,744	0.51	1.218
24	18	3,528	2,787	0.79	1.029	3,240	2,560	0.79	1.092	2,988	2,361	0.79	1.134
24	20	3,708	2,484	0.67	1.071	3,456	2,316	0.67	1.124	3,204	2,147	0.67	1.187
24	22	3,924	2,158	0.55	1.113	3,672	2,020	0.55	1.176	3,420	1,881	0.55	1.218
24	24	4,140	1,780	0.43	1.155	3,888	1,672	0.43	1.208	3,672	1,579	0.43	1.260
25	20	3,708	2,633	0.71	1.071	3,456	2,454	0.71	1.124	3,204	2,275	0.71	1.187
25	22	3,924	2,315	0.59	1.113	3,672	2,166	0.59	1.176	3,420	2,018	0.59	1.218
25	24	4,140	1,946	0.47	1.155	3,888	1,827	0.47	1.208	3,672	1,726	0.47	1.260
26	18	3,528	3,069	0.87	1.029	3,240	2,819	0.87	1.092	2,988	2,600	0.87	1.134
26	20	3,708	2,781	0.75	1.071	3,456	2,592	0.75	1.124	3,204	2,403	0.75	1.187
26	22	3,924	2,472	0.63	1.113	3,672	2,313	0.63	1.176	3,420	2,155	0.63	1.218
26	24	4,140	2,111	0.51	1.155	3,888	1,983	0.51	1.208	3,672	1,873	0.51	1.260
26	26	4,356	1,699	0.39	1.197	4,104	1,601	0.39	1.250	3,852	1,502	0.39	1.302
27	18	3,528	3,210	0.91	1.029	3,240	2,948	0.91	1.092	2,988	2,719	0.91	1.134
27	20	3,708	2,929	0.79	1.071	3,456	2,730	0.79	1.124	3,204	2,531	0.79	1.187
27	22	3,924	2,629	0.67	1.113	3,672	2,460	0.67	1.176	3,420	2,291	0.67	1.218
27	24	4,140	2,277	0.55	1.155	3,888	2,138	0.55	1.208	3,672	2,020	0.55	1.260
27	26	4,356	1,873	0.43	1.197	4,104	1,765	0.43	1.250	3,852	1,656	0.43	1.302
28	18	3,528	3,352	0.95	1.029	3,240	3,078	0.95	1.092	2,988	2,839	0.95	1.134
28	20	3,708	3,078	0.83	1.071	3,456	2,868	0.83	1.124	3,204	2,659	0.83	1.187
28	22	3,924	2,786	0.71	1.113	3,672	2,607	0.71	1.176	3,420	2,428	0.71	1.218
28	24	4,140	2,443	0.59	1.155	3,888	2,294	0.59	1.208	3,672	2,166	0.59	1.260
28	26	4,356	2,047	0.47	1.197	4,104	1,929	0.47	1.250	3,852	1,810	0.47	1.302
29	18	3,528	3,493	0.99	1.029	3,240	3,208	0.99	1.092	2,988	2,958	0.99	1.134
29	20	3,708	3,226	0.87	1.071	3,456	3,007	0.87	1.124	3,204	2,787	0.87	1.187
29	22	3,924	2,943	0.75	1.113	3,672	2,754	0.75	1.176	3,420	2,565	0.75	1.218
29	24	4,140	2,608	0.63	1.155	3,888	2,449	0.63	1.208	3,672	2,313	0.63	1.260
29	26	4,356	2,222	0.51	1.197	4,104	2,093	0.51	1.250	3,852	1,965	0.51	1.302
30	18	3,528	3,634	1.03	1.029	3,240	3,337	1.03	1.092	2,988	3,078	1.03	1.134
30	20	3,708	3,374	0.91	1.071	3,456	3,145	0.91	1.124	3,204	2,916	0.91	1.187
30	22	3,924	3,100	0.79	1.113	3,672	2,901	0.79	1.176	3,420	2,702	0.79	1.218
30	24	4,140	2,774	0.67	1.155	3,888	2,605	0.67	1.208	3,672	2,460	0.67	1.260
30	26	4,356	2,396	0.55	1.197	4,104	2,257	0.55	1.250	3,852	2,119	0.55	1.302
31	18	3,528	3,775	1.07	1.029	3,240	3,467	1.07	1.092	2,988	3,197	1.07	1.134
31	20	3,708	3,523	0.95	1.071	3,456	3,283	0.95	1.124	3,204	3,044	0.95	1.187
31	22	3,924	3,257	0.83	1.113	3,672	3,048	0.83	1.176	3,420	2,839	0.83	1.218
31	24	4,140	2,939	0.71	1.155	3,888	2,760	0.71	1.208	3,672	2,607	0.71	1.260
31	26	4,356	2,570	0.59	1.197	4,104	2,421	0.59	1.250	3,852	2,273	0.59	1.302
32	18	3,528	3,916	1.11	1.029	3,240	3,596	1.11	1.092	2,988	3,317	1.11	1.134
32	20	3,708	3,671	0.99	1.071	3,456	3,421	0.99	1.124	3,204	3,172	0.99	1.187
32	22	3,924	3,414	0.87	1.113	3,672	3,195	0.87	1.176	3,420	2,975	0.87	1.218
32	24	4,140	3,105	0.75	1.155	3,888	2,916	0.75	1.208	3,672	2,754	0.75	1.260
32	26	4,356	2,744	0.63	1.197	4,104	2,586	0.63	1.250	3,852	2,427	0.63	1.302

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M50JA / SUZ-KA50VA6

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
D.B.(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5,758	3,858	0.67	1.184	5,513	3,693	0.67	1.243	5,292	3,546	0.67	1.302	5,096	3,414	0.67	1.362
21	20	6,003	3,301	0.55	1.243	5,758	3,167	0.55	1.317	5,586	3,072	0.55	1.347	5,390	2,965	0.55	1.406
22	18	5,758	4,088	0.71	1.184	5,513	3,914	0.71	1.243	5,292	3,757	0.71	1.302	5,096	3,618	0.71	1.362
22	20	6,003	3,541	0.59	1.243	5,758	3,397	0.59	1.317	5,586	3,296	0.59	1.347	5,390	3,180	0.59	1.406
22	22	6,248	2,936	0.47	1.288	6,027	2,833	0.47	1.369	5,880	2,764	0.47	1.406	5,635	2,648	0.47	1.465
23	18	5,758	4,318	0.75	1.184	5,513	4,134	0.75	1.243	5,292	3,969	0.75	1.302	5,096	3,822	0.75	1.362
23	20	6,003	3,782	0.63	1.243	5,758	3,627	0.63	1.317	5,586	3,519	0.63	1.347	5,390	3,396	0.63	1.406
23	22	6,248	3,186	0.51	1.288	6,027	3,074	0.51	1.369	5,880	2,999	0.51	1.406	5,635	2,874	0.51	1.465
24	18	5,758	4,548	0.79	1.184	5,513	4,355	0.79	1.243	5,292	4,181	0.79	1.302	5,096	4,026	0.79	1.362
24	20	6,003	4,022	0.67	1.243	5,758	3,858	0.67	1.317	5,586	3,743	0.67	1.347	5,390	3,611	0.67	1.406
24	22	6,248	3,436	0.55	1.288	6,027	3,315	0.55	1.369	5,880	3,234	0.55	1.406	5,635	3,099	0.55	1.465
24	24	6,566	2,823	0.43	1.347	6,321	2,718	0.43	1.421	6,174	2,655	0.43	1.465	5,978	2,571	0.43	1.539
25	20	6,003	4,262	0.71	1.243	5,758	4,088	0.71	1.317	5,586	3,966	0.71	1.347	5,390	3,827	0.71	1.406
25	22	6,248	3,686	0.59	1.288	6,027	3,556	0.59	1.369	5,880	3,469	0.59	1.406	5,635	3,325	0.59	1.465
25	24	6,566	3,086	0.47	1.347	6,321	2,971	0.47	1.421	6,174	2,902	0.47	1.465	5,978	2,810	0.47	1.539
26	18	5,758	5,009	0.87	1.184	5,513	4,796	0.87	1.243	5,292	4,604	0.87	1.302	5,096	4,434	0.87	1.362
26	20	6,003	4,502	0.75	1.243	5,758	4,318	0.75	1.317	5,586	4,190	0.75	1.347	5,390	4,043	0.75	1.406
26	22	6,248	3,936	0.63	1.288	6,027	3,797	0.63	1.369	5,880	3,704	0.63	1.406	5,635	3,550	0.63	1.465
26	24	6,566	3,349	0.51	1.347	6,321	3,224	0.51	1.421	6,174	3,149	0.51	1.465	5,978	3,049	0.51	1.539
26	26	6,762	2,637	0.39	1.421	6,566	2,561	0.39	1.495	6,468	2,523	0.39	1.539	6,272	2,446	0.39	1.584
27	18	5,758	5,239	0.91	1.184	5,513	5,016	0.91	1.243	5,292	4,816	0.91	1.302	5,096	4,637	0.91	1.362
27	20	6,003	4,742	0.79	1.243	5,758	4,548	0.79	1.317	5,586	4,413	0.79	1.347	5,390	4,258	0.79	1.406
27	22	6,248	4,186	0.67	1.288	6,027	4,038	0.67	1.369	5,880	3,940	0.67	1.406	5,635	3,775	0.67	1.465
27	24	6,566	3,611	0.55	1.347	6,321	3,477	0.55	1.421	6,174	3,396	0.55	1.465	5,978	3,288	0.55	1.539
27	26	6,762	2,908	0.43	1.421	6,566	2,823	0.43	1.495	6,468	2,781	0.43	1.539	6,272	2,697	0.43	1.584
28	18	5,758	5,470	0.95	1.184	5,513	5,237	0.95	1.243	5,292	5,027	0.95	1.302	5,096	4,841	0.95	1.362
28	20	6,003	4,982	0.83	1.243	5,758	4,779	0.83	1.317	5,586	4,636	0.83	1.347	5,390	4,474	0.83	1.406
28	22	6,248	4,436	0.71	1.288	6,027	4,279	0.71	1.369	5,880	4,175	0.71	1.406	5,635	4,001	0.71	1.465
28	24	6,566	3,874	0.59	1.347	6,321	3,729	0.59	1.421	6,174	3,643	0.59	1.465	5,978	3,527	0.59	1.539
28	26	6,762	3,178	0.47	1.421	6,566	3,086	0.47	1.495	6,468	3,040	0.47	1.539	6,272	2,948	0.47	1.584
29	18	5,758	5,700	0.99	1.184	5,513	5,457	0.99	1.243	5,292	5,239	0.99	1.302	5,096	5,045	0.99	1.362
29	20	6,003	5,222	0.87	1.243	5,758	5,009	0.87	1.317	5,586	4,860	0.87	1.347	5,390	4,689	0.87	1.406
29	22	6,248	4,686	0.75	1.288	6,027	4,520	0.75	1.369	5,880	4,410	0.75	1.406	5,635	4,226	0.75	1.465
29	24	6,566	4,137	0.63	1.347	6,321	3,982	0.63	1.421	6,174	3,890	0.63	1.465	5,978	3,766	0.63	1.539
29	26	6,762	3,449	0.51	1.421	6,566	3,349	0.51	1.495	6,468	3,299	0.51	1.539	6,272	3,199	0.51	1.584
30	18	5,758	5,930	1.03	1.184	5,513	5,678	1.03	1.243	5,292	5,451	1.03	1.302	5,096	5,249	1.03	1.362
30	20	6,003	5,462	0.91	1.243	5,758	5,239	0.91	1.317	5,586	5,083	0.91	1.347	5,390	4,905	0.91	1.406
30	22	6,248	4,936	0.79	1.288	6,027	4,761	0.79	1.369	5,880	4,645	0.79	1.406	5,635	4,452	0.79	1.465
30	24	6,566	4,399	0.67	1.347	6,321	4,235	0.67	1.421	6,174	4,137	0.67	1.465	5,978	4,005	0.67	1.539
30	26	6,762	3,719	0.55	1.421	6,566	3,611	0.55	1.495	6,468	3,557	0.55	1.539	6,272	3,450	0.55	1.584
31	18	5,758	6,161	1.07	1.184	5,513	5,898	1.07	1.243	5,292	5,662	1.07	1.302	5,096	5,453	1.07	1.362
31	20	6,003	5,702	0.95	1.243	5,758	5,470	0.95	1.317	5,586	5,307	0.95	1.347	5,390	5,121	0.95	1.406
31	22	6,248	5,185	0.83	1.288	6,027	5,002	0.83	1.369	5,880	4,880	0.83	1.406	5,635	4,677	0.83	1.465
31	24	6,566	4,662	0.71	1.347	6,321	4,488	0.71	1.421	6,174	4,384	0.71	1.465	5,978	4,244	0.71	1.539
31	26	6,762	3,990	0.59	1.421	6,566	3,874	0.59	1.495	6,468	3,816	0.59	1.539	6,272	3,700	0.59	1.584
32	18	5,758	6,391	1.11	1.184	5,513	6,119	1.11	1.243	5,292	5,874	1.11	1.302	5,096	5,657	1.11	1.362
32	20	6,003	5,942	0.99	1.243	5,758	5,700	0.99	1.317	5,586	5,530	0.99	1.347	5,390	5,336	0.99	1.406
32	22	6,248	5,435	0.87	1.288	6,027	5,243	0.87	1.369	5,880	5,116	0.87	1.406	5,635	4,902	0.87	1.465
32	24	6,566	4,925	0.75	1.347	6,321	4,741	0.75	1.421	6,174	4,631	0.75	1.465	5,978	4,484	0.75	1.539
32	26	6,762	4,260	0.63	1.421	6,566	4,137	0.63	1.495	6,468	4,075	0.63	1.539	6,272	3,951	0.63	1.584

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M50JA / SUZ-KA50VA6

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
D.B.(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4,802	3,217	0.67	1.450	4,410	2,955	0.67	1.539	4,067	2,725	0.67	1.598
21	20	5,047	2,776	0.55	1.510	4,704	2,587	0.55	1.584	4,361	2,399	0.55	1.672
22	18	4,802	3,409	0.71	1.450	4,410	3,131	0.71	1.539	4,067	2,888	0.71	1.598
22	20	5,047	2,978	0.59	1.510	4,704	2,775	0.59	1.584	4,361	2,573	0.59	1.672
22	22	5,341	2,510	0.47	1.569	4,998	2,349	0.47	1.658	4,655	2,188	0.47	1.717
23	18	4,802	3,602	0.75	1.450	4,410	3,308	0.75	1.539	4,067	3,050	0.75	1.598
23	20	5,047	3,180	0.63	1.510	4,704	2,964	0.63	1.584	4,361	2,747	0.63	1.672
23	22	5,341	2,724	0.51	1.569	4,998	2,549	0.51	1.658	4,655	2,374	0.51	1.717
24	18	4,802	3,794	0.79	1.450	4,410	3,484	0.79	1.539	4,067	3,213	0.79	1.598
24	20	5,047	3,381	0.67	1.510	4,704	3,152	0.67	1.584	4,361	2,922	0.67	1.672
24	22	5,341	2,938	0.55	1.569	4,998	2,749	0.55	1.658	4,655	2,560	0.55	1.717
24	24	5,635	2,423	0.43	1.628	5,292	2,276	0.43	1.702	4,998	2,149	0.43	1.776
25	20	5,047	3,583	0.71	1.510	4,704	3,340	0.71	1.584	4,361	3,096	0.71	1.672
25	22	5,341	3,151	0.59	1.569	4,998	2,949	0.59	1.658	4,655	2,746	0.59	1.717
25	24	5,635	2,648	0.47	1.628	5,292	2,487	0.47	1.702	4,998	2,349	0.47	1.776
26	18	4,802	4,178	0.87	1.450	4,410	3,837	0.87	1.539	4,067	3,538	0.87	1.598
26	20	5,047	3,785	0.75	1.510	4,704	3,528	0.75	1.584	4,361	3,271	0.75	1.672
26	22	5,341	3,365	0.63	1.569	4,998	3,149	0.63	1.658	4,655	2,933	0.63	1.717
26	24	5,635	2,874	0.51	1.628	5,292	2,699	0.51	1.702	4,998	2,549	0.51	1.776
26	26	5,929	2,312	0.39	1.687	5,586	2,179	0.39	1.761	5,243	2,045	0.39	1.835
27	18	4,802	4,370	0.91	1.450	4,410	4,013	0.91	1.539	4,067	3,701	0.91	1.598
27	20	5,047	3,987	0.79	1.510	4,704	3,716	0.79	1.584	4,361	3,445	0.79	1.672
27	22	5,341	3,578	0.67	1.569	4,998	3,349	0.67	1.658	4,655	3,119	0.67	1.717
27	24	5,635	3,099	0.55	1.628	5,292	2,911	0.55	1.702	4,998	2,749	0.55	1.776
27	26	5,929	2,549	0.43	1.687	5,586	2,402	0.43	1.761	5,243	2,254	0.43	1.835
28	18	4,802	4,562	0.95	1.450	4,410	4,190	0.95	1.539	4,067	3,864	0.95	1.598
28	20	5,047	4,189	0.83	1.510	4,704	3,904	0.83	1.584	4,361	3,620	0.83	1.672
28	22	5,341	3,792	0.71	1.569	4,998	3,549	0.71	1.658	4,655	3,305	0.71	1.717
28	24	5,635	3,325	0.59	1.628	5,292	3,122	0.59	1.702	4,998	2,949	0.59	1.776
28	26	5,929	2,787	0.47	1.687	5,586	2,625	0.47	1.761	5,243	2,464	0.47	1.835
29	18	4,802	4,754	0.99	1.450	4,410	4,366	0.99	1.539	4,067	4,026	0.99	1.598
29	20	5,047	4,391	0.87	1.510	4,704	4,092	0.87	1.584	4,361	3,794	0.87	1.672
29	22	5,341	4,006	0.75	1.569	4,998	3,749	0.75	1.658	4,655	3,491	0.75	1.717
29	24	5,635	3,550	0.63	1.628	5,292	3,334	0.63	1.702	4,998	3,149	0.63	1.776
29	26	5,929	3,024	0.51	1.687	5,586	2,849	0.51	1.761	5,243	2,674	0.51	1.835
30	18	4,802	4,946	1.03	1.450	4,410	4,542	1.03	1.539	4,067	4,189	1.03	1.598
30	20	5,047	4,593	0.91	1.510	4,704	4,281	0.91	1.584	4,361	3,969	0.91	1.672
30	22	5,341	4,219	0.79	1.569	4,998	3,948	0.79	1.658	4,655	3,677	0.79	1.717
30	24	5,635	3,775	0.67	1.628	5,292	3,546	0.67	1.702	4,998	3,349	0.67	1.776
30	26	5,929	3,261	0.55	1.687	5,586	3,072	0.55	1.761	5,243	2,884	0.55	1.835
31	18	4,802	5,138	1.07	1.450	4,410	4,719	1.07	1.539	4,067	4,352	1.07	1.598
31	20	5,047	4,795	0.95	1.510	4,704	4,469	0.95	1.584	4,361	4,143	0.95	1.672
31	22	5,341	4,433	0.83	1.569	4,998	4,148	0.83	1.658	4,655	3,864	0.83	1.717
31	24	5,635	4,001	0.71	1.628	5,292	3,757	0.71	1.702	4,998	3,549	0.71	1.776
31	26	5,929	3,498	0.59	1.687	5,586	3,296	0.59	1.761	5,243	3,093	0.59	1.835
32	18	4,802	5,330	1.11	1.450	4,410	4,895	1.11	1.539	4,067	4,514	1.11	1.598
32	20	5,047	4,997	0.99	1.510	4,704	4,657	0.99	1.584	4,361	4,317	0.99	1.672
32	22	5,341	4,647	0.87	1.569	4,998	4,348	0.87	1.658	4,655	4,050	0.87	1.717
32	24	5,635	4,226	0.75	1.628	5,292	3,969	0.75	1.702	4,998	3,749	0.75	1.776
32	26	5,929	3,735	0.63	1.687	5,586	3,519	0.63	1.761	5,243	3,303	0.63	1.835

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M60JA / SUZ-KA60VA6

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
D.B.(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,698	4,554	0.68	1.336	6,413	4,361	0.68	1.403	6,156	4,186	0.68	1.470	5,928	4,031	0.68	1.536
21	20	6,983	3,910	0.56	1.403	6,698	3,751	0.56	1.486	6,498	3,639	0.56	1.520	6,270	3,511	0.56	1.587
22	18	6,698	4,822	0.72	1.336	6,413	4,617	0.72	1.403	6,156	4,432	0.72	1.470	5,928	4,268	0.72	1.536
22	20	6,983	4,190	0.60	1.403	6,698	4,019	0.60	1.486	6,498	3,899	0.60	1.520	6,270	3,762	0.60	1.587
22	22	7,268	3,488	0.48	1.453	7,011	3,365	0.48	1.545	6,840	3,283	0.48	1.587	6,555	3,146	0.48	1.653
23	18	6,698	5,090	0.76	1.336	6,413	4,874	0.76	1.403	6,156	4,679	0.76	1.470	5,928	4,505	0.76	1.536
23	20	6,983	4,469	0.64	1.403	6,698	4,286	0.64	1.486	6,498	4,159	0.64	1.520	6,270	4,013	0.64	1.587
23	22	7,268	3,779	0.52	1.453	7,011	3,646	0.52	1.545	6,840	3,557	0.52	1.587	6,555	3,409	0.52	1.653
24	18	6,698	5,358	0.80	1.336	6,413	5,130	0.80	1.403	6,156	4,925	0.80	1.470	5,928	4,742	0.80	1.536
24	20	6,983	4,748	0.68	1.403	6,698	4,554	0.68	1.486	6,498	4,419	0.68	1.520	6,270	4,264	0.68	1.587
24	22	7,268	4,070	0.56	1.453	7,011	3,926	0.56	1.545	6,840	3,830	0.56	1.587	6,555	3,671	0.56	1.653
24	24	7,638	3,361	0.44	1.520	7,353	3,235	0.44	1.603	7,182	3,160	0.44	1.653	6,954	3,060	0.44	1.737
25	20	6,983	5,027	0.72	1.403	6,698	4,822	0.72	1.486	6,498	4,679	0.72	1.520	6,270	4,514	0.72	1.587
25	22	7,268	4,361	0.60	1.453	7,011	4,207	0.60	1.545	6,840	4,104	0.60	1.587	6,555	3,933	0.60	1.653
25	24	7,638	3,666	0.48	1.520	7,353	3,529	0.48	1.603	7,182	3,447	0.48	1.653	6,954	3,338	0.48	1.737
26	18	6,698	5,894	0.88	1.336	6,413	5,643	0.88	1.403	6,156	5,417	0.88	1.470	5,928	5,217	0.88	1.536
26	20	6,983	5,307	0.76	1.403	6,698	5,090	0.76	1.486	6,498	4,938	0.76	1.520	6,270	4,765	0.76	1.587
26	22	7,268	4,651	0.64	1.453	7,011	4,487	0.64	1.545	6,840	4,378	0.64	1.587	6,555	4,195	0.64	1.653
26	24	7,638	3,972	0.52	1.520	7,353	3,824	0.52	1.603	7,182	3,735	0.52	1.653	6,954	3,616	0.52	1.737
26	26	7,866	3,146	0.40	1.603	7,638	3,055	0.40	1.687	7,524	3,010	0.40	1.737	7,296	2,918	0.40	1.787
27	18	6,698	6,162	0.92	1.336	6,413	5,900	0.92	1.403	6,156	5,664	0.92	1.470	5,928	5,454	0.92	1.536
27	20	6,983	5,586	0.80	1.403	6,698	5,358	0.80	1.486	6,498	5,198	0.80	1.520	6,270	5,016	0.80	1.587
27	22	7,268	4,942	0.68	1.453	7,011	4,767	0.68	1.545	6,840	4,651	0.68	1.587	6,555	4,457	0.68	1.653
27	24	7,638	4,277	0.56	1.520	7,353	4,118	0.56	1.603	7,182	4,022	0.56	1.653	6,954	3,894	0.56	1.737
27	26	7,866	3,461	0.44	1.603	7,638	3,361	0.44	1.687	7,524	3,311	0.44	1.737	7,296	3,210	0.44	1.787
28	18	6,698	6,430	0.96	1.336	6,413	6,156	0.96	1.403	6,156	5,910	0.96	1.470	5,928	5,691	0.96	1.536
28	20	6,983	5,865	0.84	1.403	6,698	5,626	0.84	1.486	6,498	5,458	0.84	1.520	6,270	5,267	0.84	1.587
28	22	7,268	5,233	0.72	1.453	7,011	5,048	0.72	1.545	6,840	4,925	0.72	1.587	6,555	4,720	0.72	1.653
28	24	7,638	4,583	0.60	1.520	7,353	4,412	0.60	1.603	7,182	4,309	0.60	1.653	6,954	4,172	0.60	1.737
28	26	7,866	3,776	0.48	1.603	7,638	3,666	0.48	1.687	7,524	3,612	0.48	1.737	7,296	3,502	0.48	1.787
29	18	6,698	6,698	1.00	1.336	6,413	6,413	1.00	1.403	6,156	6,156	1.00	1.470	5,928	5,928	1.00	1.536
29	20	6,983	6,145	0.88	1.403	6,698	5,894	0.88	1.486	6,498	5,718	0.88	1.520	6,270	5,518	0.88	1.587
29	22	7,268	5,523	0.76	1.453	7,011	5,328	0.76	1.545	6,840	5,198	0.76	1.587	6,555	4,982	0.76	1.653
29	24	7,638	4,888	0.64	1.520	7,353	4,706	0.64	1.603	7,182	4,596	0.64	1.653	6,954	4,451	0.64	1.737
29	26	7,866	4,090	0.52	1.603	7,638	3,972	0.52	1.687	7,524	3,912	0.52	1.737	7,296	3,794	0.52	1.787
30	18	6,698	6,965	1.04	1.336	6,413	6,669	1.04	1.403	6,156	6,402	1.04	1.470	5,928	6,165	1.04	1.536
30	20	6,983	6,424	0.92	1.403	6,698	6,162	0.92	1.486	6,498	5,978	0.92	1.520	6,270	5,768	0.92	1.587
30	22	7,268	5,814	0.80	1.453	7,011	5,609	0.80	1.545	6,840	5,472	0.80	1.587	6,555	5,244	0.80	1.653
30	24	7,638	5,194	0.68	1.520	7,353	5,000	0.68	1.603	7,182	4,884	0.68	1.653	6,954	4,729	0.68	1.737
30	26	7,866	4,405	0.56	1.603	7,638	4,277	0.56	1.687	7,524	4,213	0.56	1.737	7,296	4,086	0.56	1.787
31	18	6,698	7,233	1.08	1.336	6,413	6,926	1.08	1.403	6,156	6,648	1.08	1.470	5,928	6,402	1.08	1.536
31	20	6,983	6,703	0.96	1.403	6,698	6,430	0.96	1.486	6,498	6,238	0.96	1.520	6,270	6,019	0.96	1.587
31	22	7,268	6,105	0.84	1.453	7,011	5,889	0.84	1.545	6,840	5,746	0.84	1.587	6,555	5,506	0.84	1.653
31	24	7,638	5,499	0.72	1.520	7,353	5,294	0.72	1.603	7,182	5,171	0.72	1.653	6,954	5,007	0.72	1.737
31	26	7,866	4,720	0.60	1.603	7,638	4,583	0.60	1.687	7,524	4,514	0.60	1.737	7,296	4,378	0.60	1.787
32	18	6,698	7,501	1.12	1.336	6,413	7,182	1.12	1.403	6,156	6,895	1.12	1.470	5,928	6,639	1.12	1.536
32	20	6,983	6,983	1.00	1.403	6,698	6,698	1.00	1.486	6,498	6,498	1.00	1.520	6,270	6,270	1.00	1.587
32	22	7,268	6,395	0.88	1.453	7,011	6,170	0.88	1.545	6,840	6,019	0.88	1.587	6,555	5,768	0.88	1.653
32	24	7,638	5,805	0.76	1.520	7,353	5,588	0.76	1.603	7,182	5,458	0.76	1.653	6,954	5,285	0.76	1.737
32	26	7,866	5,034	0.64	1.603	7,638	4,888	0.64	1.687	7,524	4,815	0.64	1.737	7,296	4,669	0.64	1.787

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M60JA / SUZ-KA60VA6

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
D.B.(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5,586	3,798	0.68	1.637	5,130	3,488	0.68	1.737	4,731	3,217	0.68	1.804
21	20	5,871	3,288	0.56	1.703	5,472	3,064	0.56	1.787	5,073	2,841	0.56	1.887
22	18	5,586	4,022	0.72	1.637	5,130	3,694	0.72	1.737	4,731	3,406	0.72	1.804
22	20	5,871	3,523	0.60	1.703	5,472	3,283	0.60	1.787	5,073	3,044	0.60	1.887
22	22	6,213	2,982	0.48	1.770	5,814	2,791	0.48	1.870	5,415	2,599	0.48	1.937
23	18	5,586	4,245	0.76	1.637	5,130	3,899	0.76	1.737	4,731	3,596	0.76	1.804
23	20	5,871	3,757	0.64	1.703	5,472	3,502	0.64	1.787	5,073	3,247	0.64	1.887
23	22	6,213	3,231	0.52	1.770	5,814	3,023	0.52	1.870	5,415	2,816	0.52	1.937
24	18	5,586	4,469	0.80	1.637	5,130	4,104	0.80	1.737	4,731	3,785	0.80	1.804
24	20	5,871	3,992	0.68	1.703	5,472	3,721	0.68	1.787	5,073	3,450	0.68	1.887
24	22	6,213	3,479	0.56	1.770	5,814	3,256	0.56	1.870	5,415	3,032	0.56	1.937
24	24	6,555	2,884	0.44	1.837	6,156	2,709	0.44	1.921	5,814	2,558	0.44	2.004
25	20	5,871	4,227	0.72	1.703	5,472	3,940	0.72	1.787	5,073	3,653	0.72	1.887
25	22	6,213	3,728	0.60	1.770	5,814	3,488	0.60	1.870	5,415	3,249	0.60	1.937
25	24	6,555	3,146	0.48	1.837	6,156	2,955	0.48	1.921	5,814	2,791	0.48	2.004
26	18	5,586	4,916	0.88	1.637	5,130	4,514	0.88	1.737	4,731	4,163	0.88	1.804
26	20	5,871	4,462	0.76	1.703	5,472	4,159	0.76	1.787	5,073	3,855	0.76	1.887
26	22	6,213	3,976	0.64	1.770	5,814	3,721	0.64	1.870	5,415	3,466	0.64	1.937
26	24	6,555	3,409	0.52	1.837	6,156	3,201	0.52	1.921	5,814	3,023	0.52	2.004
26	26	6,897	2,759	0.40	1.904	6,498	2,599	0.40	1.987	6,099	2,440	0.40	2.071
27	18	5,586	5,139	0.92	1.637	5,130	4,720	0.92	1.737	4,731	4,353	0.92	1.804
27	20	5,871	4,697	0.80	1.703	5,472	4,378	0.80	1.787	5,073	4,058	0.80	1.887
27	22	6,213	4,225	0.68	1.770	5,814	3,954	0.68	1.870	5,415	3,682	0.68	1.937
27	24	6,555	3,671	0.56	1.837	6,156	3,447	0.56	1.921	5,814	3,256	0.56	2.004
27	26	6,897	3,035	0.44	1.904	6,498	2,859	0.44	1.987	6,099	2,684	0.44	2.071
28	18	5,586	5,363	0.96	1.637	5,130	4,925	0.96	1.737	4,731	4,542	0.96	1.804
28	20	5,871	4,932	0.84	1.703	5,472	4,596	0.84	1.787	5,073	4,261	0.84	1.887
28	22	6,213	4,473	0.72	1.770	5,814	4,186	0.72	1.870	5,415	3,899	0.72	1.937
28	24	6,555	3,933	0.60	1.837	6,156	3,694	0.60	1.921	5,814	3,488	0.60	2.004
28	26	6,897	3,311	0.48	1.904	6,498	3,119	0.48	1.987	6,099	2,928	0.48	2.071
29	18	5,586	5,586	1.00	1.637	5,130	5,130	1.00	1.737	4,731	4,731	1.00	1.804
29	20	5,871	5,166	0.88	1.703	5,472	4,815	0.88	1.787	5,073	4,464	0.88	1.887
29	22	6,213	4,722	0.76	1.770	5,814	4,419	0.76	1.870	5,415	4,115	0.76	1.937
29	24	6,555	4,195	0.64	1.837	6,156	3,940	0.64	1.921	5,814	3,721	0.64	2.004
29	26	6,897	3,586	0.52	1.904	6,498	3,379	0.52	1.987	6,099	3,171	0.52	2.071
30	18	5,586	5,809	1.04	1.637	5,130	5,335	1.04	1.737	4,731	4,920	1.04	1.804
30	20	5,871	5,401	0.92	1.703	5,472	5,034	0.92	1.787	5,073	4,667	0.92	1.887
30	22	6,213	4,970	0.80	1.770	5,814	4,651	0.80	1.870	5,415	4,332	0.80	1.937
30	24	6,555	4,457	0.68	1.837	6,156	4,186	0.68	1.921	5,814	3,954	0.68	2.004
30	26	6,897	3,862	0.56	1.904	6,498	3,639	0.56	1.987	6,099	3,415	0.56	2.071
31	18	5,586	6,033	1.08	1.637	5,130	5,540	1.08	1.737	4,731	5,109	1.08	1.804
31	20	5,871	5,636	0.96	1.703	5,472	5,253	0.96	1.787	5,073	4,870	0.96	1.887
31	22	6,213	5,219	0.84	1.770	5,814	4,884	0.84	1.870	5,415	4,549	0.84	1.937
31	24	6,555	4,720	0.72	1.837	6,156	4,432	0.72	1.921	5,814	4,186	0.72	2.004
31	26	6,897	4,138	0.60	1.904	6,498	3,899	0.60	1.987	6,099	3,659	0.60	2.071
32	18	5,586	6,256	1.12	1.637	5,130	5,746	1.12	1.737	4,731	5,299	1.12	1.804
32	20	5,871	5,871	1.00	1.703	5,472	5,472	1.00	1.787	5,073	5,073	1.00	1.887
32	22	6,213	5,467	0.88	1.770	5,814	5,116	0.88	1.870	5,415	4,765	0.88	1.937
32	24	6,555	4,982	0.76	1.837	6,156	4,679	0.76	1.921	5,814	4,419	0.76	2.004
32	26	6,897	4,414	0.64	1.904	6,498	4,159	0.64	1.987	6,099	3,903	0.64	2.071

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M71JA / SUZ-KA71VA6

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
D.B.(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8,343	5,423	0.65	1.664	7,988	5,192	0.65	1.747	7,668	4,984	0.65	1.830	7,384	4,800	0.65	1.914
21	20	8,698	4,610	0.53	1.747	8,343	4,422	0.53	1.851	8,094	4,290	0.53	1.893	7,810	4,139	0.53	1.976
22	18	8,343	5,756	0.69	1.664	7,988	5,511	0.69	1.747	7,668	5,291	0.69	1.830	7,384	5,095	0.69	1.914
22	20	8,698	4,958	0.57	1.747	8,343	4,755	0.57	1.851	8,094	4,614	0.57	1.893	7,810	4,452	0.57	1.976
22	22	9,053	4,074	0.45	1.810	8,733	3,930	0.45	1.924	8,520	3,834	0.45	1.976	8,165	3,674	0.45	2.059
23	18	8,343	6,090	0.73	1.664	7,988	5,831	0.73	1.747	7,668	5,598	0.73	1.830	7,384	5,390	0.73	1.914
23	20	8,698	5,305	0.61	1.747	8,343	5,089	0.61	1.851	8,094	4,937	0.61	1.893	7,810	4,764	0.61	1.976
23	22	9,053	4,436	0.49	1.810	8,733	4,279	0.49	1.924	8,520	4,175	0.49	1.976	8,165	4,001	0.49	2.059
24	18	8,343	6,424	0.77	1.664	7,988	6,150	0.77	1.747	7,668	5,904	0.77	1.830	7,384	5,686	0.77	1.914
24	20	8,698	5,653	0.65	1.747	8,343	5,423	0.65	1.851	8,094	5,261	0.65	1.893	7,810	5,077	0.65	1.976
24	22	9,053	4,798	0.53	1.810	8,733	4,628	0.53	1.924	8,520	4,516	0.53	1.976	8,165	4,327	0.53	2.059
24	24	9,514	3,901	0.41	1.893	9,159	3,755	0.41	1.997	8,946	3,668	0.41	2.059	8,662	3,551	0.41	2.163
25	20	8,698	6,001	0.69	1.747	8,343	5,756	0.69	1.851	8,094	5,585	0.69	1.893	7,810	5,389	0.69	1.976
25	22	9,053	5,160	0.57	1.810	8,733	4,978	0.57	1.924	8,520	4,856	0.57	1.976	8,165	4,654	0.57	2.059
25	24	9,514	4,281	0.45	1.893	9,159	4,122	0.45	1.997	8,946	4,026	0.45	2.059	8,662	3,898	0.45	2.163
26	18	8,343	7,091	0.85	1.664	7,988	6,789	0.85	1.747	7,668	6,518	0.85	1.830	7,384	6,276	0.85	1.914
26	20	8,698	6,349	0.73	1.747	8,343	6,090	0.73	1.851	8,094	5,909	0.73	1.893	7,810	5,701	0.73	1.976
26	22	9,053	5,522	0.61	1.810	8,733	5,327	0.61	1.924	8,520	5,197	0.61	1.976	8,165	4,981	0.61	2.059
26	24	9,514	4,662	0.49	1.893	9,159	4,488	0.49	1.997	8,946	4,384	0.49	2.059	8,662	4,244	0.49	2.163
26	26	9,798	3,625	0.37	1.997	9,514	3,520	0.37	2.101	9,372	3,468	0.37	2.163	9,088	3,363	0.37	2.226
27	18	8,343	7,425	0.89	1.664	7,988	7,109	0.89	1.747	7,668	6,825	0.89	1.830	7,384	6,572	0.89	1.914
27	20	8,698	6,697	0.77	1.747	8,343	6,424	0.77	1.851	8,094	6,232	0.77	1.893	7,810	6,014	0.77	1.976
27	22	9,053	5,884	0.65	1.810	8,733	5,676	0.65	1.924	8,520	5,538	0.65	1.976	8,165	5,307	0.65	2.059
27	24	9,514	5,042	0.53	1.893	9,159	4,854	0.53	1.997	8,946	4,741	0.53	2.059	8,662	4,591	0.53	2.163
27	26	9,798	4,017	0.41	1.997	9,514	3,901	0.41	2.101	9,372	3,843	0.41	2.163	9,088	3,726	0.41	2.226
28	18	8,343	7,759	0.93	1.664	7,988	7,428	0.93	1.747	7,668	7,131	0.93	1.830	7,384	6,867	0.93	1.914
28	20	8,698	7,045	0.81	1.747	8,343	6,757	0.81	1.851	8,094	6,556	0.81	1.893	7,810	6,326	0.81	1.976
28	22	9,053	6,246	0.69	1.810	8,733	6,026	0.69	1.924	8,520	5,879	0.69	1.976	8,165	5,634	0.69	2.059
28	24	9,514	5,423	0.57	1.893	9,159	5,221	0.57	1.997	8,946	5,099	0.57	2.059	8,662	4,937	0.57	2.163
28	26	9,798	4,409	0.45	1.997	9,514	4,281	0.45	2.101	9,372	4,217	0.45	2.163	9,088	4,090	0.45	2.226
29	18	8,343	8,092	0.97	1.664	7,988	7,748	0.97	1.747	7,668	7,438	0.97	1.830	7,384	7,162	0.97	1.914
29	20	8,698	7,393	0.85	1.747	8,343	7,091	0.85	1.851	8,094	6,880	0.85	1.893	7,810	6,639	0.85	1.976
29	22	9,053	6,608	0.73	1.810	8,733	6,375	0.73	1.924	8,520	6,220	0.73	1.976	8,165	5,960	0.73	2.059
29	24	9,514	5,804	0.61	1.893	9,159	5,587	0.61	1.997	8,946	5,457	0.61	2.059	8,662	5,284	0.61	2.163
29	26	9,798	4,801	0.49	1.997	9,514	4,662	0.49	2.101	9,372	4,592	0.49	2.163	9,088	4,453	0.49	2.226
30	18	8,343	8,426	1.01	1.664	7,988	8,067	1.01	1.747	7,668	7,745	1.01	1.830	7,384	7,458	1.01	1.914
30	20	8,698	7,741	0.89	1.747	8,343	7,425	0.89	1.851	8,094	7,204	0.89	1.893	7,810	6,951	0.89	1.976
30	22	9,053	6,970	0.77	1.810	8,733	6,724	0.77	1.924	8,520	6,560	0.77	1.976	8,165	6,287	0.77	2.059
30	24	9,514	6,184	0.65	1.893	9,159	5,953	0.65	1.997	8,946	5,815	0.65	2.059	8,662	5,630	0.65	2.163
30	26	9,798	5,193	0.53	1.997	9,514	5,042	0.53	2.101	9,372	4,967	0.53	2.163	9,088	4,817	0.53	2.226
31	18	8,343	8,760	1.05	1.664	7,988	8,387	1.05	1.747	7,668	8,051	1.05	1.830	7,384	7,753	1.05	1.914
31	20	8,698	8,089	0.93	1.747	8,343	7,759	0.93	1.851	8,094	7,527	0.93	1.893	7,810	7,263	0.93	1.976
31	22	9,053	7,333	0.81	1.810	8,733	7,074	0.81	1.924	8,520	6,901	0.81	1.976	8,165	6,614	0.81	2.059
31	24	9,514	6,565	0.69	1.893	9,159	6,320	0.69	1.997	8,946	6,173	0.69	2.059	8,662	5,977	0.69	2.163
31	26	9,798	5,585	0.57	1.997	9,514	5,423	0.57	2.101	9,372	5,342	0.57	2.163	9,088	5,180	0.57	2.226
32	18	8,343	9,093	1.09	1.664	7,988	8,706	1.09	1.747	7,668	8,358	1.09	1.830	7,384	8,049	1.09	1.914
32	20	8,698	8,437	0.97	1.747	8,343	8,092	0.97	1.851	8,094	7,851	0.97	1.893	7,810	7,576	0.97	1.976
32	22	9,053	7,695	0.85	1.810	8,733	7,423	0.85	1.924	8,520	7,242	0.85	1.976	8,165	6,940	0.85	2.059
32	24	9,514	6,945	0.73	1.893	9,159	6,686	0.73	1.997	8,946	6,531	0.73	2.059	8,662	6,323	0.73	2.163
32	26	9,798	5,977	0.61	1.997	9,514	5,804	0.61	2.101	9,372	5,717	0.61	2.163	9,088	5,544	0.61	2.226

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M71JA / SUZ-KA71VA6

		OUTDOOR DB(°C)											
INDOOR	INDOOR	35				40				46			
D.B.(°C)	WB(°C)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,958	4,523	0.65	2.038	6,390	4,154	0.65	2.163	5,893	3,830	0.65	2.246
21	20	7,313	3,876	0.53	2.122	6,816	3,612	0.53	2.226	6,319	3,349	0.53	2.350
22	18	6,958	4,801	0.69	2.038	6,390	4,409	0.69	2.163	5,893	4,066	0.69	2.246
22	20	7,313	4,168	0.57	2.122	6,816	3,885	0.57	2.226	6,319	3,602	0.57	2.350
22	22	7,739	3,483	0.45	2.205	7,242	3,259	0.45	2.330	6,745	3,035	0.45	2.413
23	18	6,958	5,079	0.73	2.038	6,390	4,665	0.73	2.163	5,893	4,302	0.73	2.246
23	20	7,313	4,461	0.61	2.122	6,816	4,158	0.61	2.226	6,319	3,855	0.61	2.350
23	22	7,739	3,792	0.49	2.205	7,242	3,549	0.49	2.330	6,745	3,305	0.49	2.413
24	18	6,958	5,358	0.77	2.038	6,390	4,920	0.77	2.163	5,893	4,538	0.77	2.246
24	20	7,313	4,753	0.65	2.122	6,816	4,430	0.65	2.226	6,319	4,107	0.65	2.350
24	22	7,739	4,102	0.53	2.205	7,242	3,838	0.53	2.330	6,745	3,575	0.53	2.413
24	24	8,165	3,348	0.41	2.288	7,668	3,144	0.41	2.392	7,242	2,969	0.41	2.496
25	20	7,313	5,046	0.69	2.122	6,816	4,703	0.69	2.226	6,319	4,360	0.69	2.350
25	22	7,739	4,411	0.57	2.205	7,242	4,128	0.57	2.330	6,745	3,845	0.57	2.413
25	24	8,165	3,674	0.45	2.288	7,668	3,451	0.45	2.392	7,242	3,259	0.45	2.496
26	18	6,958	5,914	0.85	2.038	6,390	5,432	0.85	2.163	5,893	5,009	0.85	2.246
26	20	7,313	5,338	0.73	2.122	6,816	4,976	0.73	2.226	6,319	4,613	0.73	2.350
26	22	7,739	4,721	0.61	2.205	7,242	4,418	0.61	2.330	6,745	4,114	0.61	2.413
26	24	8,165	4,001	0.49	2.288	7,668	3,757	0.49	2.392	7,242	3,549	0.49	2.496
26	26	8,591	3,179	0.37	2.371	8,094	2,995	0.37	2.475	7,597	2,811	0.37	2.579
27	18	6,958	6,193	0.89	2.038	6,390	5,687	0.89	2.163	5,893	5,245	0.89	2.246
27	20	7,313	5,631	0.77	2.122	6,816	5,248	0.77	2.226	6,319	4,866	0.77	2.350
27	22	7,739	5,030	0.65	2.205	7,242	4,707	0.65	2.330	6,745	4,384	0.65	2.413
27	24	8,165	4,327	0.53	2.288	7,668	4,064	0.53	2.392	7,242	3,838	0.53	2.496
27	26	8,591	3,522	0.41	2.371	8,094	3,319	0.41	2.475	7,597	3,115	0.41	2.579
28	18	6,958	6,471	0.93	2.038	6,390	5,943	0.93	2.163	5,893	5,480	0.93	2.246
28	20	7,313	5,924	0.81	2.122	6,816	5,521	0.81	2.226	6,319	5,118	0.81	2.350
28	22	7,739	5,340	0.69	2.205	7,242	4,997	0.69	2.330	6,745	4,654	0.69	2.413
28	24	8,165	4,654	0.57	2.288	7,668	4,371	0.57	2.392	7,242	4,128	0.57	2.496
28	26	8,591	3,866	0.45	2.371	8,094	3,642	0.45	2.475	7,597	3,419	0.45	2.579
29	18	6,958	6,749	0.97	2.038	6,390	6,198	0.97	2.163	5,893	5,716	0.97	2.246
29	20	7,313	6,216	0.85	2.122	6,816	5,794	0.85	2.226	6,319	5,371	0.85	2.350
29	22	7,739	5,649	0.73	2.205	7,242	5,287	0.73	2.330	6,745	4,924	0.73	2.413
29	24	8,165	4,981	0.61	2.288	7,668	4,677	0.61	2.392	7,242	4,418	0.61	2.496
29	26	8,591	4,210	0.49	2.371	8,094	3,966	0.49	2.475	7,597	3,723	0.49	2.579
30	18	6,958	7,028	1.01	2.038	6,390	6,454	1.01	2.163	5,893	5,952	1.01	2.246
30	20	7,313	6,509	0.89	2.122	6,816	6,066	0.89	2.226	6,319	5,624	0.89	2.350
30	22	7,739	5,959	0.77	2.205	7,242	5,576	0.77	2.330	6,745	5,194	0.77	2.413
30	24	8,165	5,307	0.65	2.288	7,668	4,984	0.65	2.392	7,242	4,707	0.65	2.496
30	26	8,591	4,553	0.53	2.371	8,094	4,290	0.53	2.475	7,597	4,026	0.53	2.579
31	18	6,958	7,306	1.05	2.038	6,390	6,710	1.05	2.163	5,893	6,188	1.05	2.246
31	20	7,313	6,801	0.93	2.122	6,816	6,339	0.93	2.226	6,319	5,877	0.93	2.350
31	22	7,739	6,269	0.81	2.205	7,242	5,866	0.81	2.330	6,745	5,463	0.81	2.413
31	24	8,165	5,634	0.69	2.288	7,668	5,291	0.69	2.392	7,242	4,997	0.69	2.496
31	26	8,591	4,897	0.57	2.371	8,094	4,614	0.57	2.475	7,597	4,330	0.57	2.579
32	18	6,958	7,584	1.09	2.038	6,390	6,965	1.09	2.163	5,893	6,423	1.09	2.246
32	20	7,313	7,094	0.97	2.122	6,816	6,612	0.97	2.226	6,319	6,129	0.97	2.350
32	22	7,739	6,578	0.85	2.205	7,242	6,156	0.85	2.330	6,745	5,733	0.85	2.413
32	24	8,165	5,960	0.73	2.288	7,668	5,598	0.73	2.392	7,242	5,287	0.73	2.496
32	26	8,591	5,241	0.61	2.371	8,094	4,937	0.61	2.475	7,597	4,634	0.61	2.579

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M35JAL / SUZ-KA35VA6

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
D.B.(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4,230	2,834	0.67	0.824	4,050	2,714	0.67	0.865	3,888	2,605	0.67	0.906	3,744	2,508	0.67	0.948
21	20	4,410	2,426	0.55	0.865	4,230	2,327	0.55	0.917	4,104	2,257	0.55	0.937	3,960	2,178	0.55	0.979
22	18	4,230	3,003	0.71	0.824	4,050	2,876	0.71	0.865	3,888	2,760	0.71	0.906	3,744	2,658	0.71	0.948
22	20	4,410	2,602	0.59	0.865	4,230	2,496	0.59	0.917	4,104	2,421	0.59	0.937	3,960	2,336	0.59	0.979
22	22	4,590	2,157	0.47	0.896	4,428	2,081	0.47	0.953	4,320	2,030	0.47	0.979	4,140	1,946	0.47	1.020
23	18	4,230	3,173	0.75	0.824	4,050	3,038	0.75	0.865	3,888	2,916	0.75	0.906	3,744	2,808	0.75	0.948
23	20	4,410	2,778	0.63	0.865	4,230	2,665	0.63	0.917	4,104	2,586	0.63	0.937	3,960	2,495	0.63	0.979
23	22	4,590	2,341	0.51	0.896	4,428	2,258	0.51	0.953	4,320	2,203	0.51	0.979	4,140	2,111	0.51	1.020
24	18	4,230	3,342	0.79	0.824	4,050	3,200	0.79	0.865	3,888	3,072	0.79	0.906	3,744	2,958	0.79	0.948
24	20	4,410	2,955	0.67	0.865	4,230	2,834	0.67	0.917	4,104	2,750	0.67	0.937	3,960	2,653	0.67	0.979
24	22	4,590	2,525	0.55	0.896	4,428	2,435	0.55	0.953	4,320	2,376	0.55	0.979	4,140	2,277	0.55	1.020
24	24	4,824	2,074	0.43	0.937	4,644	1,997	0.43	0.989	4,536	1,950	0.43	1.020	4,392	1,889	0.43	1.071
25	20	4,410	3,131	0.71	0.865	4,230	3,003	0.71	0.917	4,104	2,914	0.71	0.937	3,960	2,812	0.71	0.979
25	22	4,590	2,708	0.59	0.896	4,428	2,613	0.59	0.953	4,320	2,549	0.59	0.979	4,140	2,443	0.59	1.020
25	24	4,824	2,267	0.47	0.937	4,644	2,183	0.47	0.989	4,536	2,132	0.47	1.020	4,392	2,064	0.47	1.071
26	18	4,230	3,680	0.87	0.824	4,050	3,524	0.87	0.865	3,888	3,383	0.87	0.906	3,744	3,257	0.87	0.948
26	20	4,410	3,308	0.75	0.865	4,230	3,173	0.75	0.917	4,104	3,078	0.75	0.937	3,960	2,970	0.75	0.979
26	22	4,590	2,892	0.63	0.896	4,428	2,790	0.63	0.953	4,320	2,722	0.63	0.979	4,140	2,608	0.63	1.020
26	24	4,824	2,460	0.51	0.937	4,644	2,368	0.51	0.989	4,536	2,313	0.51	1.020	4,392	2,240	0.51	1.071
26	26	4,968	1,938	0.39	0.989	4,824	1,881	0.39	1.040	4,752	1,853	0.39	1.071	4,608	1,797	0.39	1.102
27	18	4,230	3,849	0.91	0.824	4,050	3,686	0.91	0.865	3,888	3,538	0.91	0.906	3,744	3,407	0.91	0.948
27	20	4,410	3,484	0.79	0.865	4,230	3,342	0.79	0.917	4,104	3,242	0.79	0.937	3,960	3,128	0.79	0.979
27	22	4,590	3,075	0.67	0.896	4,428	2,967	0.67	0.953	4,320	2,894	0.67	0.979	4,140	2,774	0.67	1.020
27	24	4,824	2,653	0.55	0.937	4,644	2,554	0.55	0.989	4,536	2,495	0.55	1.020	4,392	2,416	0.55	1.071
27	26	4,968	2,136	0.43	0.989	4,824	2,074	0.43	1.040	4,752	2,043	0.43	1.071	4,608	1,981	0.43	1.102
28	18	4,230	4,019	0.95	0.824	4,050	3,848	0.95	0.865	3,888	3,694	0.95	0.906	3,744	3,557	0.95	0.948
28	20	4,410	3,660	0.83	0.865	4,230	3,511	0.83	0.917	4,104	3,406	0.83	0.937	3,960	3,287	0.83	0.979
28	22	4,590	3,259	0.71	0.896	4,428	3,144	0.71	0.953	4,320	3,067	0.71	0.979	4,140	2,939	0.71	1.020
28	24	4,824	2,846	0.59	0.937	4,644	2,740	0.59	0.989	4,536	2,676	0.59	1.020	4,392	2,591	0.59	1.071
28	26	4,968	2,335	0.47	0.989	4,824	2,267	0.47	1.040	4,752	2,233	0.47	1.071	4,608	2,166	0.47	1.102
29	18	4,230	4,188	0.99	0.824	4,050	4,010	0.99	0.865	3,888	3,849	0.99	0.906	3,744	3,707	0.99	0.948
29	20	4,410	3,837	0.87	0.865	4,230	3,680	0.87	0.917	4,104	3,570	0.87	0.937	3,960	3,445	0.87	0.979
29	22	4,590	3,443	0.75	0.896	4,428	3,321	0.75	0.953	4,320	3,240	0.75	0.979	4,140	3,105	0.75	1.020
29	24	4,824	3,039	0.63	0.937	4,644	2,926	0.63	0.989	4,536	2,858	0.63	1.020	4,392	2,767	0.63	1.071
29	26	4,968	2,534	0.51	0.989	4,824	2,460	0.51	1.040	4,752	2,424	0.51	1.071	4,608	2,350	0.51	1.102
30	18	4,230	4,357	1.03	0.824	4,050	4,172	1.03	0.865	3,888	4,005	1.03	0.906	3,744	3,856	1.03	0.948
30	20	4,410	4,013	0.91	0.865	4,230	3,849	0.91	0.917	4,104	3,735	0.91	0.937	3,960	3,604	0.91	0.979
30	22	4,590	3,626	0.79	0.896	4,428	3,498	0.79	0.953	4,320	3,413	0.79	0.979	4,140	3,271	0.79	1.020
30	24	4,824	3,232	0.67	0.937	4,644	3,111	0.67	0.989	4,536	3,039	0.67	1.020	4,392	2,943	0.67	1.071
30	26	4,968	2,732	0.55	0.989	4,824	2,653	0.55	1.040	4,752	2,614	0.55	1.071	4,608	2,534	0.55	1.102
31	18	4,230	4,526	1.07	0.824	4,050	4,334	1.07	0.865	3,888	4,160	1.07	0.906	3,744	4,006	1.07	0.948
31	20	4,410	4,190	0.95	0.865	4,230	4,019	0.95	0.917	4,104	3,899	0.95	0.937	3,960	3,762	0.95	0.979
31	22	4,590	3,810	0.83	0.896	4,428	3,675	0.83	0.953	4,320	3,586	0.83	0.979	4,140	3,436	0.83	1.020
31	24	4,824	3,425	0.71	0.937	4,644	3,297	0.71	0.989	4,536	3,221	0.71	1.020	4,392	3,118	0.71	1.071
31	26	4,968	2,931	0.59	0.989	4,824	2,846	0.59	1.040	4,752	2,804	0.59	1.071	4,608	2,719	0.59	1.102
32	18	4,230	4,695	1.11	0.824	4,050	4,496	1.11	0.865	3,888	4,316	1.11	0.906	3,744	4,156	1.11	0.948
32	20	4,410	4,366	0.99	0.865	4,230	4,188	0.99	0.917	4,104	4,063	0.99	0.937	3,960	3,920	0.99	0.979
32	22	4,590	3,993	0.87	0.896	4,428	3,852	0.87	0.953	4,320	3,758	0.87	0.979	4,140	3,602	0.87	1.020
32	24	4,824	3,618	0.75	0.937	4,644	3,483	0.75	0.989	4,536	3,402	0.75	1.020	4,392	3,294	0.75	1.071
32	26	4,968	3,130	0.63	0.989	4,824	3,039	0.63	1.040	4,752	2,994	0.63	1.071	4,608	2,903	0.63	1.102

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M35JAL / SUZ-KA35VA6

		OUTDOOR DB(°C)											
INDOOR	INDOOR	35				40				46			
D.B.(°C)	WB(°C)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3,528	2,364	0.67	1.009	3,240	2,171	0.67	1.071	2,988	2,002	0.67	1.112
21	20	3,708	2,039	0.55	1.051	3,456	1,901	0.55	1.102	3,204	1,762	0.55	1.164
22	18	3,528	2,505	0.71	1.009	3,240	2,300	0.71	1.071	2,988	2,121	0.71	1.112
22	20	3,708	2,188	0.59	1.051	3,456	2,039	0.59	1.102	3,204	1,890	0.59	1.164
22	22	3,924	1,844	0.47	1.092	3,672	1,726	0.47	1.154	3,420	1,607	0.47	1.195
23	18	3,528	2,646	0.75	1.009	3,240	2,430	0.75	1.071	2,988	2,241	0.75	1.112
23	20	3,708	2,336	0.63	1.051	3,456	2,177	0.63	1.102	3,204	2,019	0.63	1.164
23	22	3,924	2,001	0.51	1.092	3,672	1,873	0.51	1.154	3,420	1,744	0.51	1.195
24	18	3,528	2,787	0.79	1.009	3,240	2,560	0.79	1.071	2,988	2,361	0.79	1.112
24	20	3,708	2,484	0.67	1.051	3,456	2,316	0.67	1.102	3,204	2,147	0.67	1.164
24	22	3,924	2,158	0.55	1.092	3,672	2,020	0.55	1.154	3,420	1,881	0.55	1.195
24	24	4,140	1,780	0.43	1.133	3,888	1,672	0.43	1.185	3,672	1,579	0.43	1.236
25	20	3,708	2,633	0.71	1.051	3,456	2,454	0.71	1.102	3,204	2,275	0.71	1.164
25	22	3,924	2,315	0.59	1.092	3,672	2,166	0.59	1.154	3,420	2,018	0.59	1.195
25	24	4,140	1,946	0.47	1.133	3,888	1,827	0.47	1.185	3,672	1,726	0.47	1.236
26	18	3,528	3,069	0.87	1.009	3,240	2,819	0.87	1.071	2,988	2,600	0.87	1.112
26	20	3,708	2,781	0.75	1.051	3,456	2,592	0.75	1.102	3,204	2,403	0.75	1.164
26	22	3,924	2,472	0.63	1.092	3,672	2,313	0.63	1.154	3,420	2,155	0.63	1.195
26	24	4,140	2,111	0.51	1.133	3,888	1,983	0.51	1.185	3,672	1,873	0.51	1.236
26	26	4,356	1,699	0.39	1.174	4,104	1,601	0.39	1.226	3,852	1,502	0.39	1.277
27	18	3,528	3,210	0.91	1.009	3,240	2,948	0.91	1.071	2,988	2,719	0.91	1.112
27	20	3,708	2,929	0.79	1.051	3,456	2,730	0.79	1.102	3,204	2,531	0.79	1.164
27	22	3,924	2,629	0.67	1.092	3,672	2,460	0.67	1.154	3,420	2,291	0.67	1.195
27	24	4,140	2,277	0.55	1.133	3,888	2,138	0.55	1.185	3,672	2,020	0.55	1.236
27	26	4,356	1,873	0.43	1.174	4,104	1,765	0.43	1.226	3,852	1,656	0.43	1.277
28	18	3,528	3,352	0.95	1.009	3,240	3,078	0.95	1.071	2,988	2,839	0.95	1.112
28	20	3,708	3,078	0.83	1.051	3,456	2,868	0.83	1.102	3,204	2,659	0.83	1.164
28	22	3,924	2,786	0.71	1.092	3,672	2,607	0.71	1.154	3,420	2,428	0.71	1.195
28	24	4,140	2,443	0.59	1.133	3,888	2,294	0.59	1.185	3,672	2,166	0.59	1.236
28	26	4,356	2,047	0.47	1.174	4,104	1,929	0.47	1.226	3,852	1,810	0.47	1.277
29	18	3,528	3,493	0.99	1.009	3,240	3,208	0.99	1.071	2,988	2,958	0.99	1.112
29	20	3,708	3,226	0.87	1.051	3,456	3,007	0.87	1.102	3,204	2,787	0.87	1.164
29	22	3,924	2,943	0.75	1.092	3,672	2,754	0.75	1.154	3,420	2,565	0.75	1.195
29	24	4,140	2,608	0.63	1.133	3,888	2,449	0.63	1.185	3,672	2,313	0.63	1.236
29	26	4,356	2,222	0.51	1.174	4,104	2,093	0.51	1.226	3,852	1,965	0.51	1.277
30	18	3,528	3,634	1.03	1.009	3,240	3,337	1.03	1.071	2,988	3,078	1.03	1.112
30	20	3,708	3,374	0.91	1.051	3,456	3,145	0.91	1.102	3,204	2,916	0.91	1.164
30	22	3,924	3,100	0.79	1.092	3,672	2,901	0.79	1.154	3,420	2,702	0.79	1.195
30	24	4,140	2,774	0.67	1.133	3,888	2,605	0.67	1.185	3,672	2,460	0.67	1.236
30	26	4,356	2,396	0.55	1.174	4,104	2,257	0.55	1.226	3,852	2,119	0.55	1.277
31	18	3,528	3,775	1.07	1.009	3,240	3,467	1.07	1.071	2,988	3,197	1.07	1.112
31	20	3,708	3,523	0.95	1.051	3,456	3,283	0.95	1.102	3,204	3,044	0.95	1.164
31	22	3,924	3,257	0.83	1.092	3,672	3,048	0.83	1.154	3,420	2,839	0.83	1.195
31	24	4,140	2,939	0.71	1.133	3,888	2,760	0.71	1.185	3,672	2,607	0.71	1.236
31	26	4,356	2,570	0.59	1.174	4,104	2,421	0.59	1.226	3,852	2,273	0.59	1.277
32	18	3,528	3,916	1.11	1.009	3,240	3,596	1.11	1.071	2,988	3,317	1.11	1.112
32	20	3,708	3,671	0.99	1.051	3,456	3,421	0.99	1.102	3,204	3,172	0.99	1.164
32	22	3,924	3,414	0.87	1.092	3,672	3,195	0.87	1.154	3,420	2,975	0.87	1.195
32	24	4,140	3,105	0.75	1.133	3,888	2,916	0.75	1.185	3,672	2,754	0.75	1.236
32	26	4,356	2,744	0.63	1.174	4,104	2,586	0.63	1.226	3,852	2,427	0.63	1.277

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M50JAL / SUZ-KA50VA6

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
D.B.(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5,758	3,858	0.67	1.168	5,513	3,693	0.67	1.226	5,292	3,546	0.67	1.285	5,096	3,414	0.67	1.343
21	20	6,003	3,301	0.55	1.226	5,758	3,167	0.55	1.299	5,586	3,072	0.55	1.329	5,390	2,965	0.55	1.387
22	18	5,758	4,088	0.71	1.168	5,513	3,914	0.71	1.226	5,292	3,757	0.71	1.285	5,096	3,618	0.71	1.343
22	20	6,003	3,541	0.59	1.226	5,758	3,397	0.59	1.299	5,586	3,296	0.59	1.329	5,390	3,180	0.59	1.387
22	22	6,248	2,936	0.47	1.270	6,027	2,833	0.47	1.351	5,880	2,764	0.47	1.387	5,635	2,648	0.47	1.445
23	18	5,758	4,318	0.75	1.168	5,513	4,134	0.75	1.226	5,292	3,969	0.75	1.285	5,096	3,822	0.75	1.343
23	20	6,003	3,782	0.63	1.226	5,758	3,627	0.63	1.299	5,586	3,519	0.63	1.329	5,390	3,396	0.63	1.387
23	22	6,248	3,186	0.51	1.270	6,027	3,074	0.51	1.351	5,880	2,999	0.51	1.387	5,635	2,874	0.51	1.445
24	18	5,758	4,548	0.79	1.168	5,513	4,355	0.79	1.226	5,292	4,181	0.79	1.285	5,096	4,026	0.79	1.343
24	20	6,003	4,022	0.67	1.226	5,758	3,858	0.67	1.299	5,586	3,743	0.67	1.329	5,390	3,611	0.67	1.387
24	22	6,248	3,436	0.55	1.270	6,027	3,315	0.55	1.351	5,880	3,234	0.55	1.387	5,635	3,099	0.55	1.445
24	24	6,566	2,823	0.43	1.329	6,321	2,718	0.43	1.402	6,174	2,655	0.43	1.445	5,978	2,571	0.43	1.518
25	20	6,003	4,262	0.71	1.226	5,758	4,088	0.71	1.299	5,586	3,966	0.71	1.329	5,390	3,827	0.71	1.387
25	22	6,248	3,686	0.59	1.270	6,027	3,556	0.59	1.351	5,880	3,469	0.59	1.387	5,635	3,325	0.59	1.445
25	24	6,566	3,086	0.47	1.329	6,321	2,971	0.47	1.402	6,174	2,902	0.47	1.445	5,978	2,810	0.47	1.518
26	18	5,758	5,009	0.87	1.168	5,513	4,796	0.87	1.226	5,292	4,604	0.87	1.285	5,096	4,434	0.87	1.343
26	20	6,003	4,502	0.75	1.226	5,758	4,318	0.75	1.299	5,586	4,190	0.75	1.329	5,390	4,043	0.75	1.387
26	22	6,248	3,936	0.63	1.270	6,027	3,797	0.63	1.351	5,880	3,704	0.63	1.387	5,635	3,550	0.63	1.445
26	24	6,566	3,349	0.51	1.329	6,321	3,224	0.51	1.402	6,174	3,149	0.51	1.445	5,978	3,049	0.51	1.518
26	26	6,762	2,637	0.39	1.402	6,566	2,561	0.39	1.475	6,468	2,523	0.39	1.518	6,272	2,446	0.39	1.562
27	18	5,758	5,239	0.91	1.168	5,513	5,016	0.91	1.226	5,292	4,816	0.91	1.285	5,096	4,637	0.91	1.343
27	20	6,003	4,742	0.79	1.226	5,758	4,548	0.79	1.299	5,586	4,413	0.79	1.329	5,390	4,258	0.79	1.387
27	22	6,248	4,186	0.67	1.270	6,027	4,038	0.67	1.351	5,880	3,940	0.67	1.387	5,635	3,775	0.67	1.445
27	24	6,566	3,611	0.55	1.329	6,321	3,477	0.55	1.402	6,174	3,396	0.55	1.445	5,978	3,288	0.55	1.518
27	26	6,762	2,908	0.43	1.402	6,566	2,823	0.43	1.475	6,468	2,781	0.43	1.518	6,272	2,697	0.43	1.562
28	18	5,758	5,470	0.95	1.168	5,513	5,237	0.95	1.226	5,292	5,027	0.95	1.285	5,096	4,841	0.95	1.343
28	20	6,003	4,982	0.83	1.226	5,758	4,779	0.83	1.299	5,586	4,636	0.83	1.329	5,390	4,474	0.83	1.387
28	22	6,248	4,436	0.71	1.270	6,027	4,279	0.71	1.351	5,880	4,175	0.71	1.387	5,635	4,001	0.71	1.445
28	24	6,566	3,874	0.59	1.329	6,321	3,729	0.59	1.402	6,174	3,643	0.59	1.445	5,978	3,527	0.59	1.518
28	26	6,762	3,178	0.47	1.402	6,566	3,086	0.47	1.475	6,468	3,040	0.47	1.518	6,272	2,948	0.47	1.562
29	18	5,758	5,700	0.99	1.168	5,513	5,457	0.99	1.226	5,292	5,239	0.99	1.285	5,096	5,045	0.99	1.343
29	20	6,003	5,222	0.87	1.226	5,758	5,009	0.87	1.299	5,586	4,860	0.87	1.329	5,390	4,689	0.87	1.387
29	22	6,248	4,686	0.75	1.270	6,027	4,520	0.75	1.351	5,880	4,410	0.75	1.387	5,635	4,226	0.75	1.445
29	24	6,566	4,137	0.63	1.329	6,321	3,982	0.63	1.402	6,174	3,890	0.63	1.445	5,978	3,766	0.63	1.518
29	26	6,762	3,449	0.51	1.402	6,566	3,349	0.51	1.475	6,468	3,299	0.51	1.518	6,272	3,199	0.51	1.562
30	18	5,758	5,930	1.03	1.168	5,513	5,678	1.03	1.226	5,292	5,451	1.03	1.285	5,096	5,249	1.03	1.343
30	20	6,003	5,462	0.91	1.226	5,758	5,239	0.91	1.299	5,586	5,083	0.91	1.329	5,390	4,905	0.91	1.387
30	22	6,248	4,936	0.79	1.270	6,027	4,761	0.79	1.351	5,880	4,645	0.79	1.387	5,635	4,452	0.79	1.445
30	24	6,566	4,399	0.67	1.329	6,321	4,235	0.67	1.402	6,174	4,137	0.67	1.445	5,978	4,005	0.67	1.518
30	26	6,762	3,719	0.55	1.402	6,566	3,611	0.55	1.475	6,468	3,557	0.55	1.518	6,272	3,450	0.55	1.562
31	18	5,758	6,161	1.07	1.168	5,513	5,898	1.07	1.226	5,292	5,662	1.07	1.285	5,096	5,453	1.07	1.343
31	20	6,003	5,702	0.95	1.226	5,758	5,470	0.95	1.299	5,586	5,307	0.95	1.329	5,390	5,121	0.95	1.387
31	22	6,248	5,185	0.83	1.270	6,027	5,002	0.83	1.351	5,880	4,880	0.83	1.387	5,635	4,677	0.83	1.445
31	24	6,566	4,662	0.71	1.329	6,321	4,488	0.71	1.402	6,174	4,384	0.71	1.445	5,978	4,244	0.71	1.518
31	26	6,762	3,990	0.59	1.402	6,566	3,874	0.59	1.475	6,468	3,816	0.59	1.518	6,272	3,700	0.59	1.562
32	18	5,758	6,391	1.11	1.168	5,513	6,119	1.11	1.226	5,292	5,874	1.11	1.285	5,096	5,657	1.11	1.343
32	20	6,003	5,942	0.99	1.226	5,758	5,700	0.99	1.299	5,586	5,530	0.99	1.329	5,390	5,336	0.99	1.387
32	22	6,248	5,435	0.87	1.270	6,027	5,243	0.87	1.351	5,880	5,116	0.87	1.387	5,635	4,902	0.87	1.445
32	24	6,566	4,925	0.75	1.329	6,321	4,741	0.75	1.402	6,174	4,631	0.75	1.445	5,978	4,484	0.75	1.518
32	26	6,762	4,260	0.63	1.402	6,566	4,137	0.63	1.475	6,468	4,075	0.63	1.518	6,272	3,951	0.63	1.562

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M50JAL / SUZ-KA50VA6

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
D.B.(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4,802	3,217	0.67	1.431	4,410	2,955	0.67	1.518	4,067	2,725	0.67	1.577
21	20	5,047	2,776	0.55	1.489	4,704	2,587	0.55	1.562	4,361	2,399	0.55	1.650
22	18	4,802	3,409	0.71	1.431	4,410	3,131	0.71	1.518	4,067	2,888	0.71	1.577
22	20	5,047	2,978	0.59	1.489	4,704	2,775	0.59	1.562	4,361	2,573	0.59	1.650
22	22	5,341	2,510	0.47	1.548	4,998	2,349	0.47	1.635	4,655	2,188	0.47	1.694
23	18	4,802	3,602	0.75	1.431	4,410	3,308	0.75	1.518	4,067	3,050	0.75	1.577
23	20	5,047	3,180	0.63	1.489	4,704	2,964	0.63	1.562	4,361	2,747	0.63	1.650
23	22	5,341	2,724	0.51	1.548	4,998	2,549	0.51	1.635	4,655	2,374	0.51	1.694
24	18	4,802	3,794	0.79	1.431	4,410	3,484	0.79	1.518	4,067	3,213	0.79	1.577
24	20	5,047	3,381	0.67	1.489	4,704	3,152	0.67	1.562	4,361	2,922	0.67	1.650
24	22	5,341	2,938	0.55	1.548	4,998	2,749	0.55	1.635	4,655	2,560	0.55	1.694
24	24	5,635	2,423	0.43	1.606	5,292	2,276	0.43	1.679	4,998	2,149	0.43	1.752
25	20	5,047	3,583	0.71	1.489	4,704	3,340	0.71	1.562	4,361	3,096	0.71	1.650
25	22	5,341	3,151	0.59	1.548	4,998	2,949	0.59	1.635	4,655	2,746	0.59	1.694
25	24	5,635	2,648	0.47	1.606	5,292	2,487	0.47	1.679	4,998	2,349	0.47	1.752
26	18	4,802	4,178	0.87	1.431	4,410	3,837	0.87	1.518	4,067	3,538	0.87	1.577
26	20	5,047	3,785	0.75	1.489	4,704	3,528	0.75	1.562	4,361	3,271	0.75	1.650
26	22	5,341	3,365	0.63	1.548	4,998	3,149	0.63	1.635	4,655	2,933	0.63	1.694
26	24	5,635	2,874	0.51	1.606	5,292	2,699	0.51	1.679	4,998	2,549	0.51	1.752
26	26	5,929	2,312	0.39	1.664	5,586	2,179	0.39	1.737	5,243	2,045	0.39	1.810
27	18	4,802	4,370	0.91	1.431	4,410	4,013	0.91	1.518	4,067	3,701	0.91	1.577
27	20	5,047	3,987	0.79	1.489	4,704	3,716	0.79	1.562	4,361	3,445	0.79	1.650
27	22	5,341	3,578	0.67	1.548	4,998	3,349	0.67	1.635	4,655	3,119	0.67	1.694
27	24	5,635	3,099	0.55	1.606	5,292	2,911	0.55	1.679	4,998	2,749	0.55	1.752
27	26	5,929	2,549	0.43	1.664	5,586	2,402	0.43	1.737	5,243	2,254	0.43	1.810
28	18	4,802	4,562	0.95	1.431	4,410	4,190	0.95	1.518	4,067	3,864	0.95	1.577
28	20	5,047	4,189	0.83	1.489	4,704	3,904	0.83	1.562	4,361	3,620	0.83	1.650
28	22	5,341	3,792	0.71	1.548	4,998	3,549	0.71	1.635	4,655	3,305	0.71	1.694
28	24	5,635	3,325	0.59	1.606	5,292	3,122	0.59	1.679	4,998	2,949	0.59	1.752
28	26	5,929	2,787	0.47	1.664	5,586	2,625	0.47	1.737	5,243	2,464	0.47	1.810
29	18	4,802	4,754	0.99	1.431	4,410	4,366	0.99	1.518	4,067	4,026	0.99	1.577
29	20	5,047	4,391	0.87	1.489	4,704	4,092	0.87	1.562	4,361	3,794	0.87	1.650
29	22	5,341	4,006	0.75	1.548	4,998	3,749	0.75	1.635	4,655	3,491	0.75	1.694
29	24	5,635	3,550	0.63	1.606	5,292	3,334	0.63	1.679	4,998	3,149	0.63	1.752
29	26	5,929	3,024	0.51	1.664	5,586	2,849	0.51	1.737	5,243	2,674	0.51	1.810
30	18	4,802	4,946	1.03	1.431	4,410	4,542	1.03	1.518	4,067	4,189	1.03	1.577
30	20	5,047	4,593	0.91	1.489	4,704	4,281	0.91	1.562	4,361	3,969	0.91	1.650
30	22	5,341	4,219	0.79	1.548	4,998	3,948	0.79	1.635	4,655	3,677	0.79	1.694
30	24	5,635	3,775	0.67	1.606	5,292	3,546	0.67	1.679	4,998	3,349	0.67	1.752
30	26	5,929	3,261	0.55	1.664	5,586	3,072	0.55	1.737	5,243	2,884	0.55	1.810
31	18	4,802	5,138	1.07	1.431	4,410	4,719	1.07	1.518	4,067	4,352	1.07	1.577
31	20	5,047	4,795	0.95	1.489	4,704	4,469	0.95	1.562	4,361	4,143	0.95	1.650
31	22	5,341	4,433	0.83	1.548	4,998	4,148	0.83	1.635	4,655	3,864	0.83	1.694
31	24	5,635	4,001	0.71	1.606	5,292	3,757	0.71	1.679	4,998	3,549	0.71	1.752
31	26	5,929	3,498	0.59	1.664	5,586	3,296	0.59	1.737	5,243	3,093	0.59	1.810
32	18	4,802	5,330	1.11	1.431	4,410	4,895	1.11	1.518	4,067	4,514	1.11	1.577
32	20	5,047	4,997	0.99	1.489	4,704	4,657	0.99	1.562	4,361	4,317	0.99	1.650
32	22	5,341	4,647	0.87	1.548	4,998	4,348	0.87	1.635	4,655	4,050	0.87	1.694
32	24	5,635	4,226	0.75	1.606	5,292	3,969	0.75	1.679	4,998	3,749	0.75	1.752
32	26	5,929	3,735	0.63	1.664	5,586	3,519	0.63	1.737	5,243	3,303	0.63	1.810

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M60JAL / SUZ-KA60VA6

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
D.B.(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,698	4,554	0.68	1.320	6,413	4,361	0.68	1.386	6,156	4,186	0.68	1.452	5,928	4,031	0.68	1.518
21	20	6,983	3,910	0.56	1.386	6,698	3,751	0.56	1.469	6,498	3,639	0.56	1.502	6,270	3,511	0.56	1.568
22	18	6,698	4,822	0.72	1.320	6,413	4,617	0.72	1.386	6,156	4,432	0.72	1.452	5,928	4,268	0.72	1.518
22	20	6,983	4,190	0.60	1.386	6,698	4,019	0.60	1.469	6,498	3,899	0.60	1.502	6,270	3,762	0.60	1.568
22	22	7,268	3,488	0.48	1.436	7,011	3,365	0.48	1.526	6,840	3,283	0.48	1.568	6,555	3,146	0.48	1.634
23	18	6,698	5,090	0.76	1.320	6,413	4,874	0.76	1.386	6,156	4,679	0.76	1.452	5,928	4,505	0.76	1.518
23	20	6,983	4,469	0.64	1.386	6,698	4,286	0.64	1.469	6,498	4,159	0.64	1.502	6,270	4,013	0.64	1.568
23	22	7,268	3,779	0.52	1.436	7,011	3,646	0.52	1.526	6,840	3,557	0.52	1.568	6,555	3,409	0.52	1.634
24	18	6,698	5,358	0.80	1.320	6,413	5,130	0.80	1.386	6,156	4,925	0.80	1.452	5,928	4,742	0.80	1.518
24	20	6,983	4,748	0.68	1.386	6,698	4,554	0.68	1.469	6,498	4,419	0.68	1.502	6,270	4,264	0.68	1.568
24	22	7,268	4,070	0.56	1.436	7,011	3,926	0.56	1.526	6,840	3,830	0.56	1.568	6,555	3,671	0.56	1.634
24	24	7,638	3,361	0.44	1.502	7,353	3,235	0.44	1.584	7,182	3,160	0.44	1.634	6,954	3,060	0.44	1.716
25	20	6,983	5,027	0.72	1.386	6,698	4,822	0.72	1.469	6,498	4,679	0.72	1.502	6,270	4,514	0.72	1.568
25	22	7,268	4,361	0.60	1.436	7,011	4,207	0.60	1.526	6,840	4,104	0.60	1.568	6,555	3,933	0.60	1.634
25	24	7,638	3,666	0.48	1.502	7,353	3,529	0.48	1.584	7,182	3,447	0.48	1.634	6,954	3,338	0.48	1.716
26	18	6,698	5,894	0.88	1.320	6,413	5,643	0.88	1.386	6,156	5,417	0.88	1.452	5,928	5,217	0.88	1.518
26	20	6,983	5,307	0.76	1.386	6,698	5,090	0.76	1.469	6,498	4,938	0.76	1.502	6,270	4,765	0.76	1.568
26	22	7,268	4,651	0.64	1.436	7,011	4,487	0.64	1.526	6,840	4,378	0.64	1.568	6,555	4,195	0.64	1.634
26	24	7,638	3,972	0.52	1.502	7,353	3,824	0.52	1.584	7,182	3,735	0.52	1.634	6,954	3,616	0.52	1.716
26	26	7,866	3,146	0.40	1.584	7,638	3,055	0.40	1.667	7,524	3,010	0.40	1.716	7,296	2,918	0.40	1.766
27	18	6,698	6,162	0.92	1.320	6,413	5,900	0.92	1.386	6,156	5,664	0.92	1.452	5,928	5,454	0.92	1.518
27	20	6,983	5,586	0.80	1.386	6,698	5,358	0.80	1.469	6,498	5,198	0.80	1.502	6,270	5,016	0.80	1.568
27	22	7,268	4,942	0.68	1.436	7,011	4,767	0.68	1.526	6,840	4,651	0.68	1.568	6,555	4,457	0.68	1.634
27	24	7,638	4,277	0.56	1.502	7,353	4,118	0.56	1.584	7,182	4,022	0.56	1.634	6,954	3,894	0.56	1.716
27	26	7,866	3,461	0.44	1.584	7,638	3,361	0.44	1.667	7,524	3,311	0.44	1.716	7,296	3,210	0.44	1.766
28	18	6,698	6,430	0.96	1.320	6,413	6,156	0.96	1.386	6,156	5,910	0.96	1.452	5,928	5,691	0.96	1.518
28	20	6,983	5,865	0.84	1.386	6,698	5,626	0.84	1.469	6,498	5,458	0.84	1.502	6,270	5,267	0.84	1.568
28	22	7,268	5,233	0.72	1.436	7,011	5,048	0.72	1.526	6,840	4,925	0.72	1.568	6,555	4,720	0.72	1.634
28	24	7,638	4,583	0.60	1.502	7,353	4,412	0.60	1.584	7,182	4,309	0.60	1.634	6,954	4,172	0.60	1.716
28	26	7,866	3,776	0.48	1.584	7,638	3,666	0.48	1.667	7,524	3,612	0.48	1.716	7,296	3,502	0.48	1.766
29	18	6,698	6,698	1.00	1.320	6,413	6,413	1.00	1.386	6,156	6,156	1.00	1.452	5,928	5,928	1.00	1.518
29	20	6,983	6,145	0.88	1.386	6,698	5,894	0.88	1.469	6,498	5,718	0.88	1.502	6,270	5,518	0.88	1.568
29	22	7,268	5,523	0.76	1.436	7,011	5,328	0.76	1.526	6,840	5,198	0.76	1.568	6,555	4,982	0.76	1.634
29	24	7,638	4,888	0.64	1.502	7,353	4,706	0.64	1.584	7,182	4,596	0.64	1.634	6,954	4,451	0.64	1.716
29	26	7,866	4,090	0.52	1.584	7,638	3,972	0.52	1.667	7,524	3,912	0.52	1.716	7,296	3,794	0.52	1.766
30	18	6,698	6,965	1.04	1.320	6,413	6,669	1.04	1.386	6,156	6,402	1.04	1.452	5,928	6,165	1.04	1.518
30	20	6,983	6,424	0.92	1.386	6,698	6,162	0.92	1.469	6,498	5,978	0.92	1.502	6,270	5,768	0.92	1.568
30	22	7,268	5,814	0.80	1.436	7,011	5,609	0.80	1.526	6,840	5,472	0.80	1.568	6,555	5,244	0.80	1.634
30	24	7,638	5,194	0.68	1.502	7,353	5,000	0.68	1.584	7,182	4,884	0.68	1.634	6,954	4,729	0.68	1.716
30	26	7,866	4,405	0.56	1.584	7,638	4,277	0.56	1.667	7,524	4,213	0.56	1.716	7,296	4,086	0.56	1.766
31	18	6,698	7,233	1.08	1.320	6,413	6,926	1.08	1.386	6,156	6,648	1.08	1.452	5,928	6,402	1.08	1.518
31	20	6,983	6,703	0.96	1.386	6,698	6,430	0.96	1.469	6,498	6,238	0.96	1.502	6,270	6,019	0.96	1.568
31	22	7,268	6,105	0.84	1.436	7,011	5,889	0.84	1.526	6,840	5,746	0.84	1.568	6,555	5,506	0.84	1.634
31	24	7,638	5,499	0.72	1.502	7,353	5,294	0.72	1.584	7,182	5,171	0.72	1.634	6,954	5,007	0.72	1.716
31	26	7,866	4,720	0.60	1.584	7,638	4,583	0.60	1.667	7,524	4,514	0.60	1.716	7,296	4,378	0.60	1.766
32	18	6,698	7,501	1.12	1.320	6,413	7,182	1.12	1.386	6,156	6,895	1.12	1.452	5,928	6,639	1.12	1.518
32	20	6,983	6,983	1.00	1.386	6,698	6,698	1.00	1.469	6,498	6,498	1.00	1.502	6,270	6,270	1.00	1.568
32	22	7,268	6,395	0.88	1.436	7,011	6,170	0.88	1.526	6,840	6,019	0.88	1.568	6,555	5,768	0.88	1.634
32	24	7,638	5,805	0.76	1.502	7,353	5,588	0.76	1.584	7,182	5,458	0.76	1.634	6,954	5,285	0.76	1.716
32	26	7,866	5,034	0.64	1.584	7,638	4,888	0.64	1.667	7,524	4,815	0.64	1.716	7,296	4,669	0.64	1.766

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M60JAL / SUZ-KA60VA6

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
D.B.(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5,586	3,798	0.68	1.617	5,130	3,488	0.68	1.716	4,731	3,217	0.68	1.782
21	20	5,871	3,288	0.56	1.683	5,472	3,064	0.56	1.766	5,073	2,841	0.56	1.865
22	18	5,586	4,022	0.72	1.617	5,130	3,694	0.72	1.716	4,731	3,406	0.72	1.782
22	20	5,871	3,523	0.60	1.683	5,472	3,283	0.60	1.766	5,073	3,044	0.60	1.865
22	22	6,213	2,982	0.48	1.749	5,814	2,791	0.48	1.848	5,415	2,599	0.48	1.914
23	18	5,586	4,245	0.76	1.617	5,130	3,899	0.76	1.716	4,731	3,596	0.76	1.782
23	20	5,871	3,757	0.64	1.683	5,472	3,502	0.64	1.766	5,073	3,247	0.64	1.865
23	22	6,213	3,231	0.52	1.749	5,814	3,023	0.52	1.848	5,415	2,816	0.52	1.914
24	18	5,586	4,469	0.80	1.617	5,130	4,104	0.80	1.716	4,731	3,785	0.80	1.782
24	20	5,871	3,992	0.68	1.683	5,472	3,721	0.68	1.766	5,073	3,450	0.68	1.865
24	22	6,213	3,479	0.56	1.749	5,814	3,256	0.56	1.848	5,415	3,032	0.56	1.914
24	24	6,555	2,884	0.44	1.815	6,156	2,709	0.44	1.898	5,814	2,558	0.44	1.980
25	20	5,871	4,227	0.72	1.683	5,472	3,940	0.72	1.766	5,073	3,653	0.72	1.865
25	22	6,213	3,728	0.60	1.749	5,814	3,488	0.60	1.848	5,415	3,249	0.60	1.914
25	24	6,555	3,146	0.48	1.815	6,156	2,955	0.48	1.898	5,814	2,791	0.48	1.980
26	18	5,586	4,916	0.88	1.617	5,130	4,514	0.88	1.716	4,731	4,163	0.88	1.782
26	20	5,871	4,462	0.76	1.683	5,472	4,159	0.76	1.766	5,073	3,855	0.76	1.865
26	22	6,213	3,976	0.64	1.749	5,814	3,721	0.64	1.848	5,415	3,466	0.64	1.914
26	24	6,555	3,409	0.52	1.815	6,156	3,201	0.52	1.898	5,814	3,023	0.52	1.980
26	26	6,897	2,759	0.40	1.881	6,498	2,599	0.40	1.964	6,099	2,440	0.40	2.046
27	18	5,586	5,139	0.92	1.617	5,130	4,720	0.92	1.716	4,731	4,353	0.92	1.782
27	20	5,871	4,697	0.80	1.683	5,472	4,378	0.80	1.766	5,073	4,058	0.80	1.865
27	22	6,213	4,225	0.68	1.749	5,814	3,954	0.68	1.848	5,415	3,682	0.68	1.914
27	24	6,555	3,671	0.56	1.815	6,156	3,447	0.56	1.898	5,814	3,256	0.56	1.980
27	26	6,897	3,035	0.44	1.881	6,498	2,859	0.44	1.964	6,099	2,684	0.44	2.046
28	18	5,586	5,363	0.96	1.617	5,130	4,925	0.96	1.716	4,731	4,542	0.96	1.782
28	20	5,871	4,932	0.84	1.683	5,472	4,596	0.84	1.766	5,073	4,261	0.84	1.865
28	22	6,213	4,473	0.72	1.749	5,814	4,186	0.72	1.848	5,415	3,899	0.72	1.914
28	24	6,555	3,933	0.60	1.815	6,156	3,694	0.60	1.898	5,814	3,488	0.60	1.980
28	26	6,897	3,311	0.48	1.881	6,498	3,119	0.48	1.964	6,099	2,928	0.48	2.046
29	18	5,586	5,586	1.00	1.617	5,130	5,130	1.00	1.716	4,731	4,731	1.00	1.782
29	20	5,871	5,166	0.88	1.683	5,472	4,815	0.88	1.766	5,073	4,464	0.88	1.865
29	22	6,213	4,722	0.76	1.749	5,814	4,419	0.76	1.848	5,415	4,115	0.76	1.914
29	24	6,555	4,195	0.64	1.815	6,156	3,940	0.64	1.898	5,814	3,721	0.64	1.980
29	26	6,897	3,586	0.52	1.881	6,498	3,379	0.52	1.964	6,099	3,171	0.52	2.046
30	18	5,586	5,809	1.04	1.617	5,130	5,335	1.04	1.716	4,731	4,920	1.04	1.782
30	20	5,871	5,401	0.92	1.683	5,472	5,034	0.92	1.766	5,073	4,667	0.92	1.865
30	22	6,213	4,970	0.80	1.749	5,814	4,651	0.80	1.848	5,415	4,332	0.80	1.914
30	24	6,555	4,457	0.68	1.815	6,156	4,186	0.68	1.898	5,814	3,954	0.68	1.980
30	26	6,897	3,862	0.56	1.881	6,498	3,639	0.56	1.964	6,099	3,415	0.56	2.046
31	18	5,586	6,033	1.08	1.617	5,130	5,540	1.08	1.716	4,731	5,109	1.08	1.782
31	20	5,871	5,636	0.96	1.683	5,472	5,253	0.96	1.766	5,073	4,870	0.96	1.865
31	22	6,213	5,219	0.84	1.749	5,814	4,884	0.84	1.848	5,415	4,549	0.84	1.914
31	24	6,555	4,720	0.72	1.815	6,156	4,432	0.72	1.898	5,814	4,186	0.72	1.980
31	26	6,897	4,138	0.60	1.881	6,498	3,899	0.60	1.964	6,099	3,659	0.60	2.046
32	18	5,586	6,256	1.12	1.617	5,130	5,746	1.12	1.716	4,731	5,299	1.12	1.782
32	20	5,871	5,871	1.00	1.683	5,472	5,472	1.00	1.766	5,073	5,073	1.00	1.865
32	22	6,213	5,467	0.88	1.749	5,814	5,116	0.88	1.848	5,415	4,765	0.88	1.914
32	24	6,555	4,982	0.76	1.815	6,156	4,679	0.76	1.898	5,814	4,419	0.76	1.980
32	26	6,897	4,414	0.64	1.881	6,498	4,159	0.64	1.964	6,099	3,903	0.64	2.046

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M71JAL / SUZ-KA71VA6

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
D.B.(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8,343	5,423	0.65	1.648	7,988	5,192	0.65	1.730	7,668	4,984	0.65	1.813	7,384	4,800	0.65	1.895
21	20	8,698	4,610	0.53	1.730	8,343	4,422	0.53	1.833	8,094	4,290	0.53	1.875	7,810	4,139	0.53	1.957
22	18	8,343	5,756	0.69	1.648	7,988	5,511	0.69	1.730	7,668	5,291	0.69	1.813	7,384	5,095	0.69	1.895
22	20	8,698	4,958	0.57	1.730	8,343	4,755	0.57	1.833	8,094	4,614	0.57	1.875	7,810	4,452	0.57	1.957
22	22	9,053	4,074	0.45	1.792	8,733	3,930	0.45	1.906	8,520	3,834	0.45	1.957	8,165	3,674	0.45	2.039
23	18	8,343	6,090	0.73	1.648	7,988	5,831	0.73	1.730	7,668	5,598	0.73	1.813	7,384	5,390	0.73	1.895
23	20	8,698	5,305	0.61	1.730	8,343	5,089	0.61	1.833	8,094	4,937	0.61	1.875	7,810	4,764	0.61	1.957
23	22	9,053	4,436	0.49	1.792	8,733	4,279	0.49	1.906	8,520	4,175	0.49	1.957	8,165	4,001	0.49	2.039
24	18	8,343	6,424	0.77	1.648	7,988	6,150	0.77	1.730	7,668	5,904	0.77	1.813	7,384	5,686	0.77	1.895
24	20	8,698	5,653	0.65	1.730	8,343	5,423	0.65	1.833	8,094	5,261	0.65	1.875	7,810	5,077	0.65	1.957
24	22	9,053	4,798	0.53	1.792	8,733	4,628	0.53	1.906	8,520	4,516	0.53	1.957	8,165	4,327	0.53	2.039
24	24	9,514	3,901	0.41	1.875	9,159	3,755	0.41	1.978	8,946	3,668	0.41	2.039	8,662	3,551	0.41	2.142
25	20	8,698	6,001	0.69	1.730	8,343	5,756	0.69	1.833	8,094	5,585	0.69	1.875	7,810	5,389	0.69	1.957
25	22	9,053	5,160	0.57	1.792	8,733	4,978	0.57	1.906	8,520	4,856	0.57	1.957	8,165	4,654	0.57	2.039
25	24	9,514	4,281	0.45	1.875	9,159	4,122	0.45	1.978	8,946	4,026	0.45	2.039	8,662	3,898	0.45	2.142
26	18	8,343	7,091	0.85	1.648	7,988	6,789	0.85	1.730	7,668	6,518	0.85	1.813	7,384	6,276	0.85	1.895
26	20	8,698	6,349	0.73	1.730	8,343	6,090	0.73	1.833	8,094	5,909	0.73	1.875	7,810	5,701	0.73	1.957
26	22	9,053	5,522	0.61	1.792	8,733	5,327	0.61	1.906	8,520	5,197	0.61	1.957	8,165	4,981	0.61	2.039
26	24	9,514	4,662	0.49	1.875	9,159	4,488	0.49	1.978	8,946	4,384	0.49	2.039	8,662	4,244	0.49	2.142
26	26	9,798	3,625	0.37	1.978	9,514	3,520	0.37	2.081	9,372	3,468	0.37	2.142	9,088	3,363	0.37	2.204
27	18	8,343	7,425	0.89	1.648	7,988	7,109	0.89	1.730	7,668	6,825	0.89	1.813	7,384	6,572	0.89	1.895
27	20	8,698	6,697	0.77	1.730	8,343	6,424	0.77	1.833	8,094	6,232	0.77	1.875	7,810	6,014	0.77	1.957
27	22	9,053	5,884	0.65	1.792	8,733	5,676	0.65	1.906	8,520	5,538	0.65	1.957	8,165	5,307	0.65	2.039
27	24	9,514	5,042	0.53	1.875	9,159	4,854	0.53	1.978	8,946	4,741	0.53	2.039	8,662	4,591	0.53	2.142
27	26	9,798	4,017	0.41	1.978	9,514	3,901	0.41	2.081	9,372	3,843	0.41	2.142	9,088	3,726	0.41	2.204
28	18	8,343	7,759	0.93	1.648	7,988	7,428	0.93	1.730	7,668	7,131	0.93	1.813	7,384	6,867	0.93	1.895
28	20	8,698	7,045	0.81	1.730	8,343	6,757	0.81	1.833	8,094	6,556	0.81	1.875	7,810	6,326	0.81	1.957
28	22	9,053	6,246	0.69	1.792	8,733	6,026	0.69	1.906	8,520	5,879	0.69	1.957	8,165	5,634	0.69	2.039
28	24	9,514	5,423	0.57	1.875	9,159	5,221	0.57	1.978	8,946	5,099	0.57	2.039	8,662	4,937	0.57	2.142
28	26	9,798	4,409	0.45	1.978	9,514	4,281	0.45	2.081	9,372	4,217	0.45	2.142	9,088	4,090	0.45	2.204
29	18	8,343	8,092	0.97	1.648	7,988	7,748	0.97	1.730	7,668	7,438	0.97	1.813	7,384	7,162	0.97	1.895
29	20	8,698	7,393	0.85	1.730	8,343	7,091	0.85	1.833	8,094	6,880	0.85	1.875	7,810	6,639	0.85	1.957
29	22	9,053	6,608	0.73	1.792	8,733	6,375	0.73	1.906	8,520	6,220	0.73	1.957	8,165	5,960	0.73	2.039
29	24	9,514	5,804	0.61	1.875	9,159	5,587	0.61	1.978	8,946	5,457	0.61	2.039	8,662	5,284	0.61	2.142
29	26	9,798	4,801	0.49	1.978	9,514	4,662	0.49	2.081	9,372	4,592	0.49	2.142	9,088	4,453	0.49	2.204
30	18	8,343	8,426	1.01	1.648	7,988	8,067	1.01	1.730	7,668	7,745	1.01	1.813	7,384	7,458	1.01	1.895
30	20	8,698	7,741	0.89	1.730	8,343	7,425	0.89	1.833	8,094	7,204	0.89	1.875	7,810	6,951	0.89	1.957
30	22	9,053	6,970	0.77	1.792	8,733	6,724	0.77	1.906	8,520	6,560	0.77	1.957	8,165	6,287	0.77	2.039
30	24	9,514	6,184	0.65	1.875	9,159	5,953	0.65	1.978	8,946	5,815	0.65	2.039	8,662	5,630	0.65	2.142
30	26	9,798	5,193	0.53	1.978	9,514	5,042	0.53	2.081	9,372	4,967	0.53	2.142	9,088	4,817	0.53	2.204
31	18	8,343	8,760	1.05	1.648	7,988	8,387	1.05	1.730	7,668	8,051	1.05	1.813	7,384	7,753	1.05	1.895
31	20	8,698	8,089	0.93	1.730	8,343	7,759	0.93	1.833	8,094	7,527	0.93	1.875	7,810	7,263	0.93	1.957
31	22	9,053	7,333	0.81	1.792	8,733	7,074	0.81	1.906	8,520	6,901	0.81	1.957	8,165	6,614	0.81	2.039
31	24	9,514	6,565	0.69	1.875	9,159	6,320	0.69	1.978	8,946	6,173	0.69	2.039	8,662	5,977	0.69	2.142
31	26	9,798	5,585	0.57	1.978	9,514	5,423	0.57	2.081	9,372	5,342	0.57	2.142	9,088	5,180	0.57	2.204
32	18	8,343	9,093	1.09	1.648	7,988	8,706	1.09	1.730	7,668	8,358	1.09	1.813	7,384	8,049	1.09	1.895
32	20	8,698	8,437	0.97	1.730	8,343	8,092	0.97	1.833	8,094	7,851	0.97	1.875	7,810	7,576	0.97	1.957
32	22	9,053	7,695	0.85	1.792	8,733	7,423	0.85	1.906	8,520	7,242	0.85	1.957	8,165	6,940	0.85	2.039
32	24	9,514	6,945	0.73	1.875	9,159	6,686	0.73	1.978	8,946	6,531	0.73	2.039	8,662	6,323	0.73	2.142
32	26	9,798	5,977	0.61	1.978	9,514	5,804	0.61	2.081	9,372	5,717	0.61	2.142	9,088	5,544	0.61	2.204

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M71JAL / SUZ-KA71VA6

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃															
		21				25				27				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
21	18	8,343	5,423	0.65	1.648	7,988	5,192	0.65	1.730	7,668	4,984	0.65	1.813	7,384	4,800	0.65	1.895
21	20	8,698	4,610	0.53	1.730	8,343	4,422	0.53	1.833	8,094	4,290	0.53	1.875	7,810	4,139	0.53	1.957
22	18	8,343	5,756	0.69	1.648	7,988	5,511	0.69	1.730	7,668	5,291	0.69	1.813	7,384	5,095	0.69	1.895
22	20	8,698	4,958	0.57	1.730	8,343	4,755	0.57	1.833	8,094	4,614	0.57	1.875	7,810	4,452	0.57	1.957
22	22	9,053	4,074	0.45	1.792	8,733	3,930	0.45	1.906	8,520	3,834	0.45	1.957	8,165	3,674	0.45	2.039
23	18	8,343	6,090	0.73	1.648	7,988	5,831	0.73	1.730	7,668	5,598	0.73	1.813	7,384	5,390	0.73	1.895
23	20	8,698	5,305	0.61	1.730	8,343	5,089	0.61	1.833	8,094	4,937	0.61	1.875	7,810	4,764	0.61	1.957
23	22	9,053	4,436	0.49	1.792	8,733	4,279	0.49	1.906	8,520	4,175	0.49	1.957	8,165	4,001	0.49	2.039
24	18	8,343	6,424	0.77	1.648	7,988	6,150	0.77	1.730	7,668	5,904	0.77	1.813	7,384	5,686	0.77	1.895
24	20	8,698	5,653	0.65	1.730	8,343	5,423	0.65	1.833	8,094	5,261	0.65	1.875	7,810	5,077	0.65	1.957
24	22	9,053	4,798	0.53	1.792	8,733	4,628	0.53	1.906	8,520	4,516	0.53	1.957	8,165	4,327	0.53	2.039
24	24	9,514	3,901	0.41	1.875	9,159	3,755	0.41	1.978	8,946	3,668	0.41	2.039	8,662	3,551	0.41	2.142
25	20	8,698	6,001	0.69	1.730	8,343	5,756	0.69	1.833	8,094	5,585	0.69	1.875	7,810	5,389	0.69	1.957
25	22	9,053	5,160	0.57	1.792	8,733	4,978	0.57	1.906	8,520	4,856	0.57	1.957	8,165	4,654	0.57	2.039
25	24	9,514	4,281	0.45	1.875	9,159	4,122	0.45	1.978	8,946	4,026	0.45	2.039	8,662	3,898	0.45	2.142
26	18	8,343	7,091	0.85	1.648	7,988	6,789	0.85	1.730	7,668	6,518	0.85	1.813	7,384	6,276	0.85	1.895
26	20	8,698	6,349	0.73	1.730	8,343	6,090	0.73	1.833	8,094	5,909	0.73	1.875	7,810	5,701	0.73	1.957
26	22	9,053	5,522	0.61	1.792	8,733	5,327	0.61	1.906	8,520	5,197	0.61	1.957	8,165	4,981	0.61	2.039
26	24	9,514	4,662	0.49	1.875	9,159	4,488	0.49	1.978	8,946	4,384	0.49	2.039	8,662	4,244	0.49	2.142
26	26	9,798	3,625	0.37	1.978	9,514	3,520	0.37	2.081	9,372	3,468	0.37	2.142	9,088	3,363	0.37	2.204
27	18	8,343	7,425	0.89	1.648	7,988	7,109	0.89	1.730	7,668	6,825	0.89	1.813	7,384	6,572	0.89	1.895
27	20	8,698	6,697	0.77	1.730	8,343	6,424	0.77	1.833	8,094	6,232	0.77	1.875	7,810	6,014	0.77	1.957
27	22	9,053	5,884	0.65	1.792	8,733	5,676	0.65	1.906	8,520	5,538	0.65	1.957	8,165	5,307	0.65	2.039
27	24	9,514	5,042	0.53	1.875	9,159	4,854	0.53	1.978	8,946	4,741	0.53	2.039	8,662	4,591	0.53	2.142
27	26	9,798	4,017	0.41	1.978	9,514	3,901	0.41	2.081	9,372	3,843	0.41	2.142	9,088	3,726	0.41	2.204
28	18	8,343	7,759	0.93	1.648	7,988	7,428	0.93	1.730	7,668	7,131	0.93	1.813	7,384	6,867	0.93	1.895
28	20	8,698	7,045	0.81	1.730	8,343	6,757	0.81	1.833	8,094	6,556	0.81	1.875	7,810	6,326	0.81	1.957
28	22	9,053	6,246	0.69	1.792	8,733	6,026	0.69	1.906	8,520	5,879	0.69	1.957	8,165	5,634	0.69	2.039
28	24	9,514	5,423	0.57	1.875	9,159	5,221	0.57	1.978	8,946	5,099	0.57	2.039	8,662	4,937	0.57	2.142
28	26	9,798	4,409	0.45	1.978	9,514	4,281	0.45	2.081	9,372	4,217	0.45	2.142	9,088	4,090	0.45	2.204
29	18	8,343	8,092	0.97	1.648	7,988	7,748	0.97	1.730	7,668	7,438	0.97	1.813	7,384	7,162	0.97	1.895
29	20	8,698	7,393	0.85	1.730	8,343	7,091	0.85	1.833	8,094	6,880	0.85	1.875	7,810	6,639	0.85	1.957
29	22	9,053	6,608	0.73	1.792	8,733	6,375	0.73	1.906	8,520	6,220	0.73	1.957	8,165	5,960	0.73	2.039
29	24	9,514	5,804	0.61	1.875	9,159	5,587	0.61	1.978	8,946	5,457	0.61	2.039	8,662	5,284	0.61	2.142
29	26	9,798	4,801	0.49	1.978	9,514	4,662	0.49	2.081	9,372	4,592	0.49	2.142	9,088	4,453	0.49	2.204
30	18	8,343	8,426	1.01	1.648	7,988	8,067	1.01	1.730	7,668	7,745	1.01	1.813	7,384	7,458	1.01	1.895
30	20	8,698	7,741	0.89	1.730	8,343	7,425	0.89	1.833	8,094	7,204	0.89	1.875	7,810	6,951	0.89	1.957
30	22	9,053	6,970	0.77	1.792	8,733	6,724	0.77	1.906	8,520	6,560	0.77	1.957	8,165	6,287	0.77	2.039
30	24	9,514	6,184	0.65	1.875	9,159	5,953	0.65	1.978	8,946	5,815	0.65	2.039	8,662	5,630	0.65	2.142
30	26	9,798	5,193	0.53	1.978	9,514	5,042	0.53	2.081	9,372	4,967	0.53	2.142	9,088	4,817	0.53	2.204
31	18	8,343	8,760	1.05	1.648	7,988	8,387	1.05	1.730	7,668	8,051	1.05	1.813	7,384	7,753	1.05	1.895
31	20	8,698	8,089	0.93	1.730	8,343	7,759	0.93	1.833	8,094	7,527	0.93	1.875	7,810	7,263	0.93	1.957
31	22	9,053	7,333	0.81	1.792	8,733	7,074	0.81	1.906	8,520	6,901	0.81	1.957	8,165	6,614	0.81	2.039
31	24	9,514	6,565	0.69	1.875	9,159	6,320	0.69	1.978	8,946	6,173	0.69	2.039	8,662	5,977	0.69	2.142
31	26	9,798	5,585	0.57	1.978	9,514	5,423	0.57	2.081	9,372	5,342	0.57	2.142	9,088	5,180	0.57	2.204
32	18	8,343	9,093	1.09	1.648	7,988	8,706	1.09	1.730	7,668	8,358	1.09	1.813	7,384	8,049	1.09	1.895
32	20	8,698	8,437	0.97	1.730	8,343	8,092	0.97	1.833	8,094	7,851	0.97	1.875	7,810	7,576	0.97	1.957
32	22	9,053	7,695	0.85	1.792	8,733	7,423	0.85	1.906	8,520	7,242	0.85	1.957	8,165	6,940	0.85	2.039
32	24	9,514	6,945	0.73	1.875	9,159	6,686	0.73	1.978	8,946	6,531	0.73	2.039	8,662	6,323	0.73	2.142
32	26	9,798	5,977	0.61	1.978	9,514	5,804	0.61	2.081	9,372	5,717	0.61	2.142	9,088	5,544	0.61	2.204

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M100JA(L) / PUHZ-P100VKA PUHZ-P100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,306	6,700	0.72	2.38	9,024	6,497	0.72	2.52	8,742	6,294	0.72	2.67
20	18	9,964	5,978	0.60	2.43	9,682	5,809	0.60	2.56	9,353	5,612	0.60	2.74
20	20	10,716	5,144	0.48	2.50	10,481	5,031	0.48	2.62	10,199	4,896	0.48	2.80
22	16	9,306	7,445	0.80	2.38	9,024	7,219	0.80	2.52	8,742	6,994	0.80	2.67
22	18	9,964	6,776	0.68	2.43	9,682	6,584	0.68	2.56	9,353	6,360	0.68	2.74
22	20	10,716	6,001	0.56	2.50	10,481	5,869	0.56	2.62	10,199	5,711	0.56	2.80
24	16	9,306	8,189	0.88	2.38	9,024	7,941	0.88	2.52	8,742	7,693	0.88	2.67
24	18	9,964	7,573	0.76	2.43	9,682	7,358	0.76	2.56	9,353	7,108	0.76	2.74
24	20	10,716	6,858	0.64	2.50	10,481	6,708	0.64	2.62	10,199	6,527	0.64	2.80
24	22	11,421	5,939	0.52	2.56	11,186	5,817	0.52	2.71	10,904	5,670	0.52	2.89
26	16	9,306	8,934	0.96	2.38	9,024	8,663	0.96	2.52	8,742	8,392	0.96	2.67
26	18	9,964	8,370	0.84	2.43	9,682	8,133	0.84	2.56	9,353	7,857	0.84	2.74
26	20	10,716	7,716	0.72	2.50	10,481	7,546	0.72	2.62	10,199	7,343	0.72	2.80
26	22	11,421	6,853	0.60	2.56	11,186	6,712	0.60	2.71	10,904	6,542	0.60	2.89
27	16	9,306	9,306	1.00	2.38	9,024	9,024	1.00	2.52	8,742	8,742	1.00	2.67
27	18	9,964	8,768	0.88	2.43	9,682	8,520	0.88	2.56	9,353	8,231	0.88	2.74
27	20	10,716	8,144	0.76	2.50	10,481	7,966	0.76	2.62	10,199	7,751	0.76	2.80
27	22	11,421	7,309	0.64	2.56	11,186	7,159	0.64	2.71	10,904	6,979	0.64	2.89
28	16	9,306	9,306	1.00	2.38	9,024	9,024	1.00	2.52	8,742	8,742	1.00	2.67
28	18	9,964	9,167	0.92	2.43	9,682	8,907	0.92	2.56	9,353	8,605	0.92	2.74
28	20	10,716	8,573	0.80	2.50	10,481	8,385	0.80	2.62	10,199	8,159	0.80	2.80
28	22	11,421	7,766	0.68	2.56	11,186	7,606	0.68	2.71	10,904	7,415	0.68	2.89
30	16	9,306	9,306	1.00	2.38	9,024	9,024	1.00	2.52	8,742	8,742	1.00	2.67
30	18	9,964	9,964	1.00	2.43	9,682	9,682	1.00	2.56	9,353	9,353	1.00	2.74
30	20	10,716	9,430	0.88	2.50	10,481	9,223	0.88	2.62	10,199	8,975	0.88	2.80
30	22	11,421	8,680	0.76	2.56	11,186	8,501	0.76	2.71	10,904	8,287	0.76	2.89
32	16	9,306	9,306	1.00	2.38	9,024	9,024	1.00	2.52	8,742	8,742	1.00	2.67
32	18	9,964	9,964	1.00	2.43	9,682	9,682	1.00	2.56	9,353	9,353	1.00	2.74
32	20	10,716	10,287	0.96	2.50	10,481	10,062	0.96	2.62	10,199	9,791	0.96	2.80
32	22	11,421	9,594	0.84	2.56	11,186	9,396	0.84	2.71	10,904	9,159	0.84	2.89
34	16	9,306	9,306	1.00	2.38	9,024	9,024	1.00	2.52	8,742	8,742	1.00	2.67
34	18	9,964	9,964	1.00	2.43	9,682	9,682	1.00	2.56	9,353	9,353	1.00	2.74
34	20	10,716	10,716	1.00	2.50	10,481	10,481	1.00	2.62	10,199	10,199	1.00	2.80
34	22	11,421	10,507	0.92	2.56	11,186	10,291	0.92	2.71	10,904	10,032	0.92	2.89

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,366	6,024	0.72	2.86	7,990	5,753	0.72	3.07	7,614	5,482	0.72	3.32
20	18	9,024	5,414	0.60	2.94	8,742	5,245	0.60	3.16	8,178	4,907	0.60	3.40
20	20	9,776	4,692	0.48	3.01	9,400	4,512	0.48	3.22	8,836	4,241	0.48	3.46
22	16	8,366	6,693	0.80	2.86	7,990	6,392	0.80	3.07	7,614	6,091	0.80	3.32
22	18	9,024	6,136	0.68	2.94	8,742	5,945	0.68	3.16	8,178	5,561	0.68	3.40
22	20	9,776	5,475	0.56	3.01	9,400	5,264	0.56	3.22	8,836	4,948	0.56	3.46
24	16	8,366	7,362	0.88	2.86	7,990	7,031	0.88	3.07	7,614	6,700	0.88	3.32
24	18	9,024	6,858	0.76	2.94	8,742	6,644	0.76	3.16	8,178	6,215	0.76	3.40
24	20	9,776	6,257	0.64	3.01	9,400	6,016	0.64	3.22	8,836	5,655	0.64	3.46
24	22	10,528	5,475	0.52	3.07	10,152	5,279	0.52	3.31	9,588	4,986	0.52	3.52
26	16	8,366	8,031	0.96	2.86	7,990	7,670	0.96	3.07	7,614	7,309	0.96	3.32
26	18	9,024	7,580	0.84	2.94	8,742	7,343	0.84	3.16	8,178	6,870	0.84	3.40
26	20	9,776	7,039	0.72	3.01	9,400	6,768	0.72	3.22	8,836	6,362	0.72	3.46
26	22	10,528	6,317	0.60	3.07	10,152	6,091	0.60	3.31	9,588	5,753	0.60	3.52
27	16	8,366	8,366	1.00	2.86	7,990	7,990	1.00	3.07	7,614	7,614	1.00	3.32
27	18	9,024	7,941	0.88	2.94	8,742	7,693	0.88	3.16	8,178	7,197	0.88	3.40
27	20	9,776	7,430	0.76	3.01	9,400	7,144	0.76	3.22	8,836	6,715	0.76	3.46
27	22	10,528	6,738	0.64	3.07	10,152	6,497	0.64	3.31	9,588	6,136	0.64	3.52
28	16	8,366	8,366	1.00	2.86	7,990	7,990	1.00	3.07	7,614	7,614	1.00	3.32
28	18	9,024	8,302	0.92	2.94	8,742	8,043	0.92	3.16	8,178	7,524	0.92	3.40
28	20	9,776	7,821	0.80	3.01	9,400	7,520	0.80	3.22	8,836	7,069	0.80	3.46
28	22	10,528	7,159	0.68	3.07	10,152	6,903	0.68	3.31	9,588	6,520	0.68	3.52
30	16	8,366	8,366	1.00	2.86	7,990	7,990	1.00	3.07	7,614	7,614	1.00	3.32
30	18	9,024	9,024	1.00	2.94	8,742	8,742	1.00	3.16	8,178	8,178	1.00	3.40
30	20	9,776	8,603	0.88	3.01	9,400	8,272	0.88	3.22	8,836	7,776	0.88	3.46
30	22	10,528	8,001	0.76	3.07	10,152	7,716	0.76	3.31	9,588	7,287	0.76	3.52
32	16	8,366	8,366	1.00	2.86	7,990	7,990	1.00	3.07	7,614	7,614	1.00	3.32
32	18	9,024	9,024	1.00	2.94	8,742	8,742	1.00	3.16	8,178	8,178	1.00	3.40
32	20	9,776	9,385	0.96	3.01	9,400	9,024	0.96	3.22	8,836	8,483	0.96	3.46
32	22	10,528	8,844	0.84	3.07	10,152	8,528	0.84	3.31	9,588	8,054	0.84	3.52
34	16	8,366	8,366	1.00	2.86	7,990	7,990	1.00	3.07	7,614	7,614	1.00	3.32
34	18	9,024	9,024	1.00	2.94	8,742	8,742	1.00	3.16	8,178	8,178	1.00	3.40
34	20	9,776	9,776	1.00	3.01	9,400	9,400	1.00	3.22	8,836	8,836	1.00	3.46
34	22	10,528	9,686	0.92	3.07	10,152	9,340	0.92	3.31	9,588	8,821	0.92	3.52

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M125JA(L) / PUHZ-P125VKA PUHZ-P125YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	11,979	8,864	0.74	3.32	11,616	8,596	0.74	3.51	11,253	8,327	0.74	3.71
20	18	12,826	7,952	0.62	3.38	12,463	7,727	0.62	3.57	12,040	7,464	0.62	3.82
20	20	13,794	6,897	0.50	3.49	13,492	6,746	0.50	3.65	13,129	6,564	0.50	3.90
22	16	11,979	9,823	0.82	3.32	11,616	9,525	0.82	3.51	11,253	9,227	0.82	3.71
22	18	12,826	8,978	0.70	3.38	12,463	8,724	0.70	3.57	12,040	8,428	0.70	3.82
22	20	13,794	8,001	0.58	3.49	13,492	7,825	0.58	3.65	13,129	7,615	0.58	3.90
24	16	11,979	10,781	0.90	3.32	11,616	10,454	0.90	3.51	11,253	10,128	0.90	3.71
24	18	12,826	10,004	0.78	3.38	12,463	9,721	0.78	3.57	12,040	9,391	0.78	3.82
24	20	13,794	9,104	0.66	3.49	13,492	8,904	0.66	3.65	13,129	8,665	0.66	3.90
24	22	14,702	7,939	0.54	3.57	14,399	7,775	0.54	3.78	14,036	7,579	0.54	4.03
26	16	11,979	11,739	0.98	3.32	11,616	11,384	0.98	3.51	11,253	11,028	0.98	3.71
26	18	12,826	11,030	0.86	3.38	12,463	10,718	0.86	3.57	12,040	10,354	0.86	3.82
26	20	13,794	10,208	0.74	3.49	13,492	9,984	0.74	3.65	13,129	9,715	0.74	3.90
26	22	14,702	9,115	0.62	3.57	14,399	8,927	0.62	3.78	14,036	8,702	0.62	4.03
27	16	11,979	11,979	1.00	3.32	11,616	11,616	1.00	3.51	11,253	11,253	1.00	3.71
27	18	12,826	11,543	0.90	3.38	12,463	11,217	0.90	3.57	12,040	10,836	0.90	3.82
27	20	13,794	10,759	0.78	3.49	13,492	10,523	0.78	3.65	13,129	10,240	0.78	3.90
27	22	14,702	9,703	0.66	3.57	14,399	9,503	0.66	3.78	14,036	9,264	0.66	4.03
28	16	11,979	11,979	1.00	3.32	11,616	11,616	1.00	3.51	11,253	11,253	1.00	3.71
28	18	12,826	12,056	0.94	3.38	12,463	11,715	0.94	3.57	12,040	11,317	0.94	3.82
28	20	13,794	11,311	0.82	3.49	13,492	11,063	0.82	3.65	13,129	10,765	0.82	3.90
28	22	14,702	10,291	0.70	3.57	14,399	10,079	0.70	3.78	14,036	9,825	0.70	4.03
30	16	11,979	11,979	1.00	3.32	11,616	11,616	1.00	3.51	11,253	11,253	1.00	3.71
30	18	12,826	12,826	1.00	3.38	12,463	12,463	1.00	3.57	12,040	12,040	1.00	3.82
30	20	13,794	12,415	0.90	3.49	13,492	12,142	0.90	3.65	13,129	11,816	0.90	3.90
30	22	14,702	11,467	0.78	3.57	14,399	11,231	0.78	3.78	14,036	10,948	0.78	4.03
32	16	11,979	11,979	1.00	3.32	11,616	11,616	1.00	3.51	11,253	11,253	1.00	3.71
32	18	12,826	12,826	1.00	3.38	12,463	12,463	1.00	3.57	12,040	12,040	1.00	3.82
32	20	13,794	13,518	0.98	3.49	13,492	13,222	0.98	3.65	13,129	12,866	0.98	3.90
32	22	14,702	12,643	0.86	3.57	14,399	12,383	0.86	3.78	14,036	12,071	0.86	4.03
34	16	11,979	11,979	1.00	3.32	11,616	11,616	1.00	3.51	11,253	11,253	1.00	3.71
34	18	12,826	12,826	1.00	3.38	12,463	12,463	1.00	3.57	12,040	12,040	1.00	3.82
34	20	13,794	13,794	1.00	3.49	13,492	13,492	1.00	3.65	13,129	13,129	1.00	3.90
34	22	14,702	13,819	0.94	3.57	14,399	13,535	0.94	3.78	14,036	13,194	0.94	4.03

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	10,769	7,969	0.74	3.98	10,285	7,611	0.74	4.27	9,801	7,253	0.74	4.63
20	18	11,616	7,202	0.62	4.09	11,253	6,977	0.62	4.40	10,527	6,527	0.62	4.73
20	20	12,584	6,292	0.50	4.19	12,100	6,050	0.50	4.48	11,374	5,687	0.50	4.81
22	16	10,769	8,831	0.82	3.98	10,285	8,434	0.82	4.27	9,801	8,037	0.82	4.63
22	18	11,616	8,131	0.70	4.09	11,253	7,877	0.70	4.40	10,527	7,369	0.70	4.73
22	20	12,584	7,299	0.58	4.19	12,100	7,018	0.58	4.48	11,374	6,597	0.58	4.81
24	16	10,769	9,692	0.90	3.98	10,285	9,257	0.90	4.27	9,801	8,821	0.90	4.63
24	18	11,616	9,060	0.78	4.09	11,253	8,777	0.78	4.40	10,527	8,211	0.78	4.73
24	20	12,584	8,305	0.66	4.19	12,100	7,986	0.66	4.48	11,374	7,507	0.66	4.81
24	22	13,552	7,318	0.54	4.27	13,068	7,057	0.54	4.61	12,342	6,665	0.54	4.90
26	16	10,769	10,554	0.98	3.98	10,285	10,079	0.98	4.27	9,801	9,605	0.98	4.63
26	18	11,616	9,990	0.86	4.09	11,253	9,678	0.86	4.40	10,527	9,053	0.86	4.73
26	20	12,584	9,312	0.74	4.19	12,100	8,954	0.74	4.48	11,374	8,417	0.74	4.81
26	22	13,552	8,402	0.62	4.27	13,068	8,102	0.62	4.61	12,342	7,652	0.62	4.90
27	16	10,769	10,769	1.00	3.98	10,285	10,285	1.00	4.27	9,801	9,801	1.00	4.63
27	18	11,616	10,454	0.90	4.09	11,253	10,128	0.90	4.40	10,527	9,474	0.90	4.73
27	20	12,584	9,816	0.78	4.19	12,100	9,438	0.78	4.48	11,374	8,872	0.78	4.81
27	22	13,552	8,944	0.66	4.27	13,068	8,625	0.66	4.61	12,342	8,146	0.66	4.90
28	16	10,769	10,769	1.00	3.98	10,285	10,285	1.00	4.27	9,801	9,801	1.00	4.63
28	18	11,616	10,919	0.94	4.09	11,253	10,578	0.94	4.40	10,527	9,895	0.94	4.73
28	20	12,584	10,319	0.82	4.19	12,100	9,922	0.82	4.48	11,374	9,327	0.82	4.81
28	22	13,552	9,486	0.70	4.27	13,068	9,148	0.70	4.61	12,342	8,639	0.70	4.90
30	16	10,769	10,769	1.00	3.98	10,285	10,285	1.00	4.27	9,801	9,801	1.00	4.63
30	18	11,616	11,616	1.00	4.09	11,253	11,253	1.00	4.40	10,527	10,527	1.00	4.73
30	20	12,584	11,326	0.90	4.19	12,100	10,890	0.90	4.48	11,374	10,237	0.90	4.81
30	22	13,552	10,571	0.78	4.27	13,068	10,193	0.78	4.61	12,342	9,627	0.78	4.90
32	16	10,769	10,769	1.00	3.98	10,285	10,285	1.00	4.27	9,801	9,801	1.00	4.63
32	18	11,616	11,616	1.00	4.09	11,253	11,253	1.00	4.40	10,527	10,527	1.00	4.73
32	20	12,584	12,332	0.98	4.19	12,100	11,858	0.98	4.48	11,374	11,147	0.98	4.81
32	22	13,552	11,655	0.86	4.27	13,068	11,238	0.86	4.61	12,342	10,614	0.86	4.90
34	16	10,769	10,769	1.00	3.98	10,285	10,285	1.00	4.27	9,801	9,801	1.00	4.63
34	18	11,616	11,616	1.00	4.09	11,253	11,253	1.00	4.40	10,527	10,527	1.00	4.73
34	20	12,584	12,584	1.00	4.19	12,100	12,100	1.00	4.48	11,374	11,374	1.00	4.81
34	22	13,552	12,739	0.94	4.27	13,068	12,284	0.94	4.61	12,342	11,601	0.94	4.90

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M140JA(L) / PUHZ-P140VKA PUHZ-P140YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,464	9,963	0.74	4.17	13,056	9,661	0.74	4.40	12,648	9,360	0.74	4.66
20	18	14,416	8,938	0.62	4.25	14,008	8,685	0.62	4.48	13,532	8,390	0.62	4.79
20	20	15,504	7,752	0.50	4.38	15,164	7,582	0.50	4.58	14,756	7,378	0.50	4.90
22	16	13,464	11,040	0.82	4.17	13,056	10,706	0.82	4.40	12,648	10,371	0.82	4.66
22	18	14,416	10,091	0.70	4.25	14,008	9,806	0.70	4.48	13,532	9,472	0.70	4.79
22	20	15,504	8,992	0.58	4.38	15,164	8,795	0.58	4.58	14,756	8,558	0.58	4.90
24	16	13,464	12,118	0.90	4.17	13,056	11,750	0.90	4.40	12,648	11,383	0.90	4.66
24	18	14,416	11,244	0.78	4.25	14,008	10,926	0.78	4.48	13,532	10,555	0.78	4.79
24	20	15,504	10,233	0.66	4.38	15,164	10,008	0.66	4.58	14,756	9,739	0.66	4.90
24	22	16,524	8,923	0.54	4.48	16,184	8,739	0.54	4.74	15,776	8,519	0.54	5.05
26	16	13,464	13,195	0.98	4.17	13,056	12,795	0.98	4.40	12,648	12,395	0.98	4.66
26	18	14,416	12,398	0.86	4.25	14,008	12,047	0.86	4.48	13,532	11,638	0.86	4.79
26	20	15,504	11,473	0.74	4.38	15,164	11,221	0.74	4.58	14,756	10,919	0.74	4.90
26	22	16,524	10,245	0.62	4.48	16,184	10,034	0.62	4.74	15,776	9,781	0.62	5.05
27	16	13,464	13,464	1.00	4.17	13,056	13,056	1.00	4.40	12,648	12,648	1.00	4.66
27	18	14,416	12,974	0.90	4.25	14,008	12,607	0.90	4.48	13,532	12,179	0.90	4.79
27	20	15,504	12,093	0.78	4.38	15,164	11,828	0.78	4.58	14,756	11,510	0.78	4.90
27	22	16,524	10,906	0.66	4.48	16,184	10,681	0.66	4.74	15,776	10,412	0.66	5.05
28	16	13,464	13,464	1.00	4.17	13,056	13,056	1.00	4.40	12,648	12,648	1.00	4.66
28	18	14,416	13,551	0.94	4.25	14,008	13,168	0.94	4.48	13,532	12,720	0.94	4.79
28	20	15,504	12,713	0.82	4.38	15,164	12,434	0.82	4.58	14,756	12,100	0.82	4.90
28	22	16,524	11,567	0.70	4.48	16,184	11,329	0.70	4.74	15,776	11,043	0.70	5.05
30	16	13,464	13,464	1.00	4.17	13,056	13,056	1.00	4.40	12,648	12,648	1.00	4.66
30	18	14,416	14,416	1.00	4.25	14,008	14,008	1.00	4.48	13,532	13,532	1.00	4.79
30	20	15,504	13,954	0.90	4.38	15,164	13,648	0.90	4.58	14,756	13,280	0.90	4.90
30	22	16,524	12,889	0.78	4.48	16,184	12,624	0.78	4.74	15,776	12,305	0.78	5.05
32	16	13,464	13,464	1.00	4.17	13,056	13,056	1.00	4.40	12,648	12,648	1.00	4.66
32	18	14,416	14,416	1.00	4.25	14,008	14,008	1.00	4.48	13,532	13,532	1.00	4.79
32	20	15,504	15,194	0.98	4.38	15,164	14,861	0.98	4.58	14,756	14,461	0.98	4.90
32	22	16,524	14,211	0.86	4.48	16,184	13,918	0.86	4.74	15,776	13,567	0.86	5.05
34	16	13,464	13,464	1.00	4.17	13,056	13,056	1.00	4.40	12,648	12,648	1.00	4.66
34	18	14,416	14,416	1.00	4.25	14,008	14,008	1.00	4.48	13,532	13,532	1.00	4.79
34	20	15,504	15,504	1.00	4.38	15,164	15,164	1.00	4.58	14,756	14,756	1.00	4.90
34	22	16,524	15,533	0.94	4.48	16,184	15,213	0.94	4.74	15,776	14,829	0.94	5.05

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	12,104	8,957	0.74	5.00	11,560	8,554	0.74	5.37	11,016	8,152	0.74	5.81
20	18	13,056	8,095	0.62	5.13	12,648	7,842	0.62	5.52	11,832	7,336	0.62	5.94
20	20	14,144	7,072	0.50	5.26	13,600	6,800	0.50	5.63	12,784	6,392	0.50	6.04
22	16	12,104	9,925	0.82	5.00	11,560	9,479	0.82	5.37	11,016	9,033	0.82	5.81
22	18	13,056	9,139	0.70	5.13	12,648	8,854	0.70	5.52	11,832	8,282	0.70	5.94
22	20	14,144	8,204	0.58	5.26	13,600	7,888	0.58	5.63	12,784	7,415	0.58	6.04
24	16	12,104	10,894	0.90	5.00	11,560	10,404	0.90	5.37	11,016	9,914	0.90	5.81
24	18	13,056	10,184	0.78	5.13	12,648	9,865	0.78	5.52	11,832	9,229	0.78	5.94
24	20	14,144	9,335	0.66	5.26	13,600	8,976	0.66	5.63	12,784	8,437	0.66	6.04
24	22	15,232	8,225	0.54	5.37	14,688	7,932	0.54	5.78	13,872	7,491	0.54	6.15
26	16	12,104	11,862	0.98	5.00	11,560	11,329	0.98	5.37	11,016	10,796	0.98	5.81
26	18	13,056	11,228	0.86	5.13	12,648	10,877	0.86	5.52	11,832	10,176	0.86	5.94
26	20	14,144	10,467	0.74	5.26	13,600	10,064	0.74	5.63	12,784	9,460	0.74	6.04
26	22	15,232	9,444	0.62	5.37	14,688	9,107	0.62	5.78	13,872	8,601	0.62	6.15
27	16	12,104	12,104	1.00	5.00	11,560	11,560	1.00	5.37	11,016	11,016	1.00	5.81
27	18	13,056	11,750	0.90	5.13	12,648	11,383	0.90	5.52	11,832	10,649	0.90	5.94
27	20	14,144	11,032	0.78	5.26	13,600	10,608	0.78	5.63	12,784	9,972	0.78	6.04
27	22	15,232	10,053	0.66	5.37	14,688	9,694	0.66	5.78	13,872	9,156	0.66	6.15
28	16	12,104	12,104	1.00	5.00	11,560	11,560	1.00	5.37	11,016	11,016	1.00	5.81
28	18	13,056	12,273	0.94	5.13	12,648	11,889	0.94	5.52	11,832	11,122	0.94	5.94
28	20	14,144	11,598	0.82	5.26	13,600	11,152	0.82	5.63	12,784	10,483	0.82	6.04
28	22	15,232	10,662	0.70	5.37	14,688	10,282	0.70	5.78	13,872	9,710	0.70	6.15
30	16	12,104	12,104	1.00	5.00	11,560	11,560	1.00	5.37	11,016	11,016	1.00	5.81
30	18	13,056	13,056	1.00	5.13	12,648	12,648	1.00	5.52	11,832	11,832	1.00	5.94
30	20	14,144	12,730	0.90	5.26	13,600	12,240	0.90	5.63	12,784	11,506	0.90	6.04
30	22	15,232	11,881	0.78	5.37	14,688	11,457	0.78	5.78	13,872	10,820	0.78	6.15
32	16	12,104	12,104	1.00	5.00	11,560	11,560	1.00	5.37	11,016	11,016	1.00	5.81
32	18	13,056	13,056	1.00	5.13	12,648	12,648	1.00	5.52	11,832	11,832	1.00	5.94
32	20	14,144	13,861	0.98	5.26	13,600	13,328	0.98	5.63	12,784	12,528	0.98	6.04
32	22	15,232	13,100	0.86	5.37	14,688	12,632	0.86	5.78	13,872	11,930	0.86	6.15
34	16	12,104	12,104	1.00	5.00	11,560	11,560	1.00	5.37	11,016	11,016	1.00	5.81
34	18	13,056	13,056	1.00	5.13	12,648	12,648	1.00	5.52	11,832	11,832	1.00	5.94
34	20	14,144	14,144	1.00	5.26	13,600	13,600	1.00	5.63	12,784	12,784	1.00	6.04
34	22	15,232	14,318	0.94	5.37	14,688	13,807	0.94	5.78	13,872	13,040	0.94	6.15

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEA-M200LA / PUHZ-ZRP200YKA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	18,810	13,167	0.70	4.75	18,240	12,768	0.70	5.02	17,670	12,369	0.70	5.31
20	18	20,140	11,681	0.58	4.84	19,570	11,351	0.58	5.11	18,905	10,965	0.58	5.46
20	20	21,660	9,964	0.46	4.99	21,185	9,745	0.46	5.22	20,615	9,483	0.46	5.58
22	16	18,810	14,672	0.78	4.75	18,240	14,227	0.78	5.02	17,670	13,783	0.78	5.31
22	18	20,140	13,292	0.66	4.84	19,570	12,916	0.66	5.11	18,905	12,477	0.66	5.46
22	20	21,660	11,696	0.54	4.99	21,185	11,440	0.54	5.22	20,615	11,132	0.54	5.58
24	16	18,810	16,177	0.86	4.75	18,240	15,686	0.86	5.02	17,670	15,196	0.86	5.31
24	18	20,140	14,904	0.74	4.84	19,570	14,482	0.74	5.11	18,905	13,990	0.74	5.46
24	20	21,660	13,429	0.62	4.99	21,185	13,135	0.62	5.22	20,615	12,781	0.62	5.58
24	22	23,085	11,543	0.50	5.11	22,610	11,305	0.50	5.40	22,040	11,020	0.50	5.76
26	16	18,810	17,681	0.94	4.75	18,240	17,146	0.94	5.02	17,670	16,610	0.94	5.31
26	18	20,140	16,515	0.82	4.84	19,570	16,047	0.82	5.11	18,905	15,502	0.82	5.46
26	20	21,660	15,162	0.70	4.99	21,185	14,830	0.70	5.22	20,615	14,431	0.70	5.58
26	22	23,085	13,389	0.58	5.11	22,610	13,114	0.58	5.40	22,040	12,783	0.58	5.76
27	16	18,810	18,434	0.98	4.75	18,240	17,875	0.98	5.02	17,670	17,317	0.98	5.31
27	18	20,140	17,320	0.86	4.84	19,570	16,830	0.86	5.11	18,905	16,258	0.86	5.46
27	20	21,660	16,028	0.74	4.99	21,185	15,677	0.74	5.22	20,615	15,255	0.74	5.58
27	22	23,085	14,313	0.62	5.11	22,610	14,018	0.62	5.40	22,040	13,665	0.62	5.76
28	16	18,810	18,810	1.00	4.75	18,240	18,240	1.00	5.02	17,670	17,670	1.00	5.31
28	18	20,140	18,126	0.90	4.84	19,570	17,613	0.90	5.11	18,905	17,015	0.90	5.46
28	20	21,660	16,895	0.78	4.99	21,185	16,524	0.78	5.22	20,615	16,080	0.78	5.58
28	22	23,085	15,236	0.66	5.11	22,610	14,923	0.66	5.40	22,040	14,546	0.66	5.76
30	16	18,810	18,810	1.00	4.75	18,240	18,240	1.00	5.02	17,670	17,670	1.00	5.31
30	18	20,140	19,737	0.98	4.84	19,570	19,179	0.98	5.11	18,905	18,527	0.98	5.46
30	20	21,660	18,628	0.86	4.99	21,185	18,219	0.86	5.22	20,615	17,729	0.86	5.58
30	22	23,085	17,083	0.74	5.11	22,610	16,731	0.74	5.40	22,040	16,310	0.74	5.76
32	16	18,810	18,810	1.00	4.75	18,240	18,240	1.00	5.02	17,670	17,670	1.00	5.31
32	18	20,140	20,140	1.00	4.84	19,570	19,570	1.00	5.11	18,905	18,905	1.00	5.46
32	20	21,660	20,360	0.94	4.99	21,185	19,914	0.94	5.22	20,615	19,378	0.94	5.58
32	22	23,085	18,930	0.82	5.11	22,610	18,540	0.82	5.40	22,040	18,073	0.82	5.76
34	16	18,810	18,810	1.00	4.75	18,240	18,240	1.00	5.02	17,670	17,670	1.00	5.31
34	18	20,140	20,140	1.00	4.84	19,570	19,570	1.00	5.11	18,905	18,905	1.00	5.46
34	20	21,660	21,660	1.00	4.99	21,185	21,185	1.00	5.22	20,615	20,615	1.00	5.58
34	22	23,085	20,777	0.90	5.11	22,610	20,349	0.90	5.40	22,040	19,836	0.90	5.76

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	16,910	11,837	0.70	5.70	16,150	11,305	0.70	6.12	15,390	10,773	0.70	6.62
20	18	18,240	10,579	0.58	5.85	17,670	10,249	0.58	6.29	16,530	9,587	0.58	6.77
20	20	19,760	9,090	0.46	6.00	19,000	8,740	0.46	6.41	17,860	8,216	0.46	6.89
22	16	16,910	13,190	0.78	5.70	16,150	12,597	0.78	6.12	15,390	12,004	0.78	6.62
22	18	18,240	12,038	0.66	5.85	17,670	11,662	0.66	6.29	16,530	10,910	0.66	6.77
22	20	19,760	10,670	0.54	6.00	19,000	10,260	0.54	6.41	17,860	9,644	0.54	6.89
24	16	16,910	14,543	0.86	5.70	16,150	13,889	0.86	6.12	15,390	13,235	0.86	6.62
24	18	18,240	13,498	0.74	5.85	17,670	13,076	0.74	6.29	16,530	12,232	0.74	6.77
24	20	19,760	12,251	0.62	6.00	19,000	11,780	0.62	6.41	17,860	11,073	0.62	6.89
24	22	21,280	10,640	0.50	6.12	20,520	10,260	0.50	6.59	19,380	9,690	0.50	7.01
26	16	16,910	15,895	0.94	5.70	16,150	15,181	0.94	6.12	15,390	14,467	0.94	6.62
26	18	18,240	14,957	0.82	5.85	17,670	14,489	0.82	6.29	16,530	13,555	0.82	6.77
26	20	19,760	13,832	0.70	6.00	19,000	13,300	0.70	6.41	17,860	12,502	0.70	6.89
26	22	21,280	12,342	0.58	6.12	20,520	11,902	0.58	6.59	19,380	11,240	0.58	7.01
27	16	16,910	16,572	0.98	5.70	16,150	15,827	0.98	6.12	15,390	15,082	0.98	6.62
27	18	18,240	15,686	0.86	5.85	17,670	15,196	0.86	6.29	16,530	14,216	0.86	6.77
27	20	19,760	14,622	0.74	6.00	19,000	14,060	0.74	6.41	17,860	13,216	0.74	6.89
27	22	21,280	13,194	0.62	6.12	20,520	12,722	0.62	6.59	19,380	12,016	0.62	7.01
28	16	16,910	16,910	1.00	5.70	16,150	16,150	1.00	6.12	15,390	15,390	1.00	6.62
28	18	18,240	16,416	0.90	5.85	17,670	15,903	0.90	6.29	16,530	14,877	0.90	6.77
28	20	19,760	15,413	0.78	6.00	19,000	14,820	0.78	6.41	17,860	13,931	0.78	6.89
28	22	21,280	14,045	0.66	6.12	20,520	13,543	0.66	6.59	19,380	12,791	0.66	7.01
30	16	16,910	16,910	1.00	5.70	16,150	16,150	1.00	6.12	15,390	15,390	1.00	6.62
30	18	18,240	17,875	0.98	5.85	17,670	17,317	0.98	6.29	16,530	16,199	0.98	6.77
30	20	19,760	16,994	0.86	6.00	19,000	16,340	0.86	6.41	17,860	15,360	0.86	6.89
30	22	21,280	15,747	0.74	6.12	20,520	15,185	0.74	6.59	19,380	14,341	0.74	7.01
32	16	16,910	16,910	1.00	5.70	16,150	16,150	1.00	6.12	15,390	15,390	1.00	6.62
32	18	18,240	18,240	1.00	5.85	17,670	17,670	1.00	6.29	16,530	16,530	1.00	6.77
32	20	19,760	18,574	0.94	6.00	19,000	17,860	0.94	6.41	17,860	16,788	0.94	6.89
32	22	21,280	17,450	0.82	6.12	20,520	16,826	0.82	6.59	19,380	15,892	0.82	7.01
34	16	16,910	16,910	1.00	5.70	16,150	16,150	1.00	6.12	15,390	15,390	1.00	6.62
34	18	18,240	18,240	1.00	5.85	17,670	17,670	1.00	6.29	16,530	16,530	1.00	6.77
34	20	19,760	19,760	1.00	6.00	19,000	19,000	1.00	6.41	17,860	17,860	1.00	6.89
34	22	21,280	19,152	0.90	6.12	20,520	18,468	0.90	6.59	19,380	17,442	0.90	7.01

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEA-M250LA / PUHZ-ZRP250YKA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	21,780	15,028	0.69	6.38	21,120	14,573	0.69	6.74	20,460	14,117	0.69	7.13
20	18	23,320	13,292	0.57	6.50	22,660	12,916	0.57	6.86	21,890	12,477	0.57	7.33
20	20	25,080	11,286	0.45	6.70	24,530	11,039	0.45	7.01	23,870	10,742	0.45	7.49
22	16	21,780	16,771	0.77	6.38	21,120	16,262	0.77	6.74	20,460	15,754	0.77	7.13
22	18	23,320	15,158	0.65	6.50	22,660	14,729	0.65	6.86	21,890	14,229	0.65	7.33
22	20	25,080	13,292	0.53	6.70	24,530	13,001	0.53	7.01	23,870	12,651	0.53	7.49
24	16	21,780	18,513	0.85	6.38	21,120	17,952	0.85	6.74	20,460	17,391	0.85	7.13
24	18	23,320	17,024	0.73	6.50	22,660	16,542	0.73	6.86	21,890	15,980	0.73	7.33
24	20	25,080	15,299	0.61	6.70	24,530	14,963	0.61	7.01	23,870	14,561	0.61	7.49
24	22	26,730	13,098	0.49	6.86	26,180	12,828	0.49	7.25	25,520	12,505	0.49	7.73
26	16	21,780	20,255	0.93	6.38	21,120	19,642	0.93	6.74	20,460	19,028	0.93	7.13
26	18	23,320	18,889	0.81	6.50	22,660	18,355	0.81	6.86	21,890	17,731	0.81	7.33
26	20	25,080	17,305	0.69	6.70	24,530	16,926	0.69	7.01	23,870	16,470	0.69	7.49
26	22	26,730	15,236	0.57	6.86	26,180	14,923	0.57	7.25	25,520	14,546	0.57	7.73
27	16	21,780	21,127	0.97	6.38	21,120	20,486	0.97	6.74	20,460	19,846	0.97	7.13
27	18	23,320	19,822	0.85	6.50	22,660	19,261	0.85	6.86	21,890	18,607	0.85	7.33
27	20	25,080	18,308	0.73	6.70	24,530	17,907	0.73	7.01	23,870	17,425	0.73	7.49
27	22	26,730	16,305	0.61	6.86	26,180	15,970	0.61	7.25	25,520	15,567	0.61	7.73
28	16	21,780	21,780	1.00	6.38	21,120	21,120	1.00	6.74	20,460	20,460	1.00	7.13
28	18	23,320	20,755	0.89	6.50	22,660	20,167	0.89	6.86	21,890	19,482	0.89	7.33
28	20	25,080	19,312	0.77	6.70	24,530	18,888	0.77	7.01	23,870	18,380	0.77	7.49
28	22	26,730	17,375	0.65	6.86	26,180	17,017	0.65	7.25	25,520	16,588	0.65	7.73
30	16	21,780	21,780	1.00	6.38	21,120	21,120	1.00	6.74	20,460	20,460	1.00	7.13
30	18	23,320	22,620	0.97	6.50	22,660	21,980	0.97	6.86	21,890	21,233	0.97	7.33
30	20	25,080	21,318	0.85	6.70	24,530	20,851	0.85	7.01	23,870	20,290	0.85	7.49
30	22	26,730	19,513	0.73	6.86	26,180	19,111	0.73	7.25	25,520	18,630	0.73	7.73
32	16	21,780	21,780	1.00	6.38	21,120	21,120	1.00	6.74	20,460	20,460	1.00	7.13
32	18	23,320	23,320	1.00	6.50	22,660	22,660	1.00	6.86	21,890	21,890	1.00	7.33
32	20	25,080	23,324	0.93	6.70	24,530	22,813	0.93	7.01	23,870	22,199	0.93	7.49
32	22	26,730	21,651	0.81	6.86	26,180	21,206	0.81	7.25	25,520	20,671	0.81	7.73
34	16	21,780	21,780	1.00	6.38	21,120	21,120	1.00	6.74	20,460	20,460	1.00	7.13
34	18	23,320	23,320	1.00	6.50	22,660	22,660	1.00	6.86	21,890	21,890	1.00	7.33
34	20	25,080	25,080	1.00	6.70	24,530	24,530	1.00	7.01	23,870	23,870	1.00	7.49
34	22	26,730	23,790	0.89	6.86	26,180	23,300	0.89	7.25	25,520	22,713	0.89	7.73

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	19,580	13,510	0.69	7.65	18,700	12,903	0.69	8.21	17,820	12,296	0.69	8.89
20	18	21,120	12,038	0.57	7.85	20,460	11,662	0.57	8.45	19,140	10,910	0.57	9.09
20	20	22,880	10,296	0.45	8.05	22,000	9,900	0.45	8.61	20,680	9,306	0.45	9.25
22	16	19,580	15,077	0.77	7.65	18,700	14,399	0.77	8.21	17,820	13,721	0.77	8.89
22	18	21,120	13,728	0.65	7.85	20,460	13,299	0.65	8.45	19,140	12,441	0.65	9.09
22	20	22,880	12,126	0.53	8.05	22,000	11,660	0.53	8.61	20,680	10,960	0.53	9.25
24	16	19,580	16,643	0.85	7.65	18,700	15,895	0.85	8.21	17,820	15,147	0.85	8.89
24	18	21,120	15,418	0.73	7.85	20,460	14,936	0.73	8.45	19,140	13,972	0.73	9.09
24	20	22,880	13,957	0.61	8.05	22,000	13,420	0.61	8.61	20,680	12,615	0.61	9.25
24	22	24,640	12,074	0.49	8.21	23,760	11,642	0.49	8.85	22,440	10,996	0.49	9.41
26	16	19,580	18,209	0.93	7.65	18,700	17,391	0.93	8.21	17,820	16,573	0.93	8.89
26	18	21,120	17,107	0.81	7.85	20,460	16,573	0.81	8.45	19,140	15,503	0.81	9.09
26	20	22,880	15,787	0.69	8.05	22,000	15,180	0.69	8.61	20,680	14,269	0.69	9.25
26	22	24,640	14,045	0.57	8.21	23,760	13,543	0.57	8.85	22,440	12,791	0.57	9.41
27	16	19,580	18,993	0.97	7.65	18,700	18,139	0.97	8.21	17,820	17,285	0.97	8.89
27	18	21,120	17,952	0.85	7.85	20,460	17,391	0.85	8.45	19,140	16,269	0.85	9.09
27	20	22,880	16,702	0.73	8.05	22,000	16,060	0.73	8.61	20,680	15,096	0.73	9.25
27	22	24,640	15,030	0.61	8.21	23,760	14,494	0.61	8.85	22,440	13,688	0.61	9.41
28	16	19,580	19,580	1.00	7.65	18,700	18,700	1.00	8.21	17,820	17,820	1.00	8.89
28	18	21,120	18,797	0.89	7.85	20,460	18,209	0.89	8.45	19,140	17,035	0.89	9.09
28	20	22,880	17,618	0.77	8.05	22,000	16,940	0.77	8.61	20,680	15,924	0.77	9.25
28	22	24,640	16,016	0.65	8.21	23,760	15,444	0.65	8.85	22,440	14,586	0.65	9.41
30	16	19,580	19,580	1.00	7.65	18,700	18,700	1.00	8.21	17,820	17,820	1.00	8.89
30	18	21,120	20,486	0.97	7.85	20,460	19,846	0.97	8.45	19,140	18,566	0.97	9.09
30	20	22,880	19,448	0.85	8.05	22,000	18,700	0.85	8.61	20,680	17,578	0.85	9.25
30	22	24,640	17,987	0.73	8.21	23,760	17,345	0.73	8.85	22,440	16,381	0.73	9.41
32	16	19,580	19,580	1.00	7.65	18,700	18,700	1.00	8.21	17,820	17,820	1.00	8.89
32	18	21,120	21,120	1.00	7.85	20,460	20,460	1.00	8.45	19,140	19,140	1.00	9.09
32	20	22,880	21,278	0.93	8.05	22,000	20,460	0.93	8.61	20,680	19,232	0.93	9.25
32	22	24,640	19,958	0.81	8.21	23,760	19,246	0.81	8.85	22,440	18,176	0.81	9.41
34	16	19,580	19,580	1.00	7.65	18,700	18,700	1.00	8.21	17,820	17,820	1.00	8.89
34	18	21,120	21,120	1.00	7.85	20,460	20,460	1.00	8.45	19,140	19,140	1.00	9.09
34	20	22,880	22,880	1.00	8.05	22,000	22,000	1.00	8.61	20,680	20,680	1.00	9.25
34	22	24,640	21,930	0.89	8.21	23,760	21,146	0.89	8.85	22,440	19,972	0.89	9.41

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEA-M200LA / PUHZ-P200YKA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	18,810	13,167	0.70	4.95	18,240	12,768	0.70	5.23	17,670	12,369	0.70	5.54
20	18	20,140	11,681	0.58	5.04	19,570	11,351	0.58	5.32	18,905	10,965	0.58	5.69
20	20	21,660	9,964	0.46	5.20	21,185	9,745	0.46	5.45	20,615	9,483	0.46	5.82
22	16	18,810	14,672	0.78	4.95	18,240	14,227	0.78	5.23	17,670	13,783	0.78	5.54
22	18	20,140	13,292	0.66	5.04	19,570	12,916	0.66	5.32	18,905	12,477	0.66	5.69
22	20	21,660	11,696	0.54	5.20	21,185	11,440	0.54	5.45	20,615	11,132	0.54	5.82
24	16	18,810	16,177	0.86	4.95	18,240	15,686	0.86	5.23	17,670	15,196	0.86	5.54
24	18	20,140	14,904	0.74	5.04	19,570	14,482	0.74	5.32	18,905	13,990	0.74	5.69
24	20	21,660	13,429	0.62	5.20	21,185	13,135	0.62	5.45	20,615	12,781	0.62	5.82
24	22	23,085	11,543	0.50	5.32	22,610	11,305	0.50	5.63	22,040	11,020	0.50	6.00
26	16	18,810	17,681	0.94	4.95	18,240	17,146	0.94	5.23	17,670	16,610	0.94	5.54
26	18	20,140	16,515	0.82	5.04	19,570	16,047	0.82	5.32	18,905	15,502	0.82	5.69
26	20	21,660	15,162	0.70	5.20	21,185	14,830	0.70	5.45	20,615	14,431	0.70	5.82
26	22	23,085	13,389	0.58	5.32	22,610	13,114	0.58	5.63	22,040	12,783	0.58	6.00
27	16	18,810	18,434	0.98	4.95	18,240	17,875	0.98	5.23	17,670	17,317	0.98	5.54
27	18	20,140	17,320	0.86	5.04	19,570	16,830	0.86	5.32	18,905	16,258	0.86	5.69
27	20	21,660	16,028	0.74	5.20	21,185	15,677	0.74	5.45	20,615	15,255	0.74	5.82
27	22	23,085	14,313	0.62	5.32	22,610	14,018	0.62	5.63	22,040	13,665	0.62	6.00
28	16	18,810	18,810	1.00	4.95	18,240	18,240	1.00	5.23	17,670	17,670	1.00	5.54
28	18	20,140	18,126	0.90	5.04	19,570	17,613	0.90	5.32	18,905	17,015	0.90	5.69
28	20	21,660	16,895	0.78	5.20	21,185	16,524	0.78	5.45	20,615	16,080	0.78	5.82
28	22	23,085	15,236	0.66	5.32	22,610	14,923	0.66	5.63	22,040	14,546	0.66	6.00
30	16	18,810	18,810	1.00	4.95	18,240	18,240	1.00	5.23	17,670	17,670	1.00	5.54
30	18	20,140	19,737	0.98	5.04	19,570	19,179	0.98	5.32	18,905	18,527	0.98	5.69
30	20	21,660	18,628	0.86	5.20	21,185	18,219	0.86	5.45	20,615	17,729	0.86	5.82
30	22	23,085	17,083	0.74	5.32	22,610	16,731	0.74	5.63	22,040	16,310	0.74	6.00
32	16	18,810	18,810	1.00	4.95	18,240	18,240	1.00	5.23	17,670	17,670	1.00	5.54
32	18	20,140	20,140	1.00	5.04	19,570	19,570	1.00	5.32	18,905	18,905	1.00	5.69
32	20	21,660	20,360	0.94	5.20	21,185	19,914	0.94	5.45	20,615	19,378	0.94	5.82
32	22	23,085	18,930	0.82	5.32	22,610	18,540	0.82	5.63	22,040	18,073	0.82	6.00
34	16	18,810	18,810	1.00	4.95	18,240	18,240	1.00	5.23	17,670	17,670	1.00	5.54
34	18	20,140	20,140	1.00	5.04	19,570	19,570	1.00	5.32	18,905	18,905	1.00	5.69
34	20	21,660	21,660	1.00	5.20	21,185	21,185	1.00	5.45	20,615	20,615	1.00	5.82
34	22	23,085	20,777	0.90	5.32	22,610	20,349	0.90	5.63	22,040	19,836	0.90	6.00

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	16,910	11,837	0.70	5.94	16,150	11,305	0.70	6.37	15,390	10,773	0.70	6.90
20	18	18,240	10,579	0.58	6.10	17,670	10,249	0.58	6.56	16,530	9,587	0.58	7.05
20	20	19,760	9,090	0.46	6.25	19,000	8,740	0.46	6.68	17,860	8,216	0.46	7.18
22	16	16,910	13,190	0.78	5.94	16,150	12,597	0.78	6.37	15,390	12,004	0.78	6.90
22	18	18,240	12,038	0.66	6.10	17,670	11,662	0.66	6.56	16,530	10,910	0.66	7.05
22	20	19,760	10,670	0.54	6.25	19,000	10,260	0.54	6.68	17,860	9,644	0.54	7.18
24	16	16,910	14,543	0.86	5.94	16,150	13,889	0.86	6.37	15,390	13,235	0.86	6.90
24	18	18,240	13,498	0.74	6.10	17,670	13,076	0.74	6.56	16,530	12,232	0.74	7.05
24	20	19,760	12,251	0.62	6.25	19,000	11,780	0.62	6.68	17,860	11,073	0.62	7.18
24	22	21,280	10,640	0.50	6.37	20,520	10,260	0.50	6.87	19,380	9,690	0.50	7.30
26	16	16,910	15,895	0.94	5.94	16,150	15,181	0.94	6.37	15,390	14,467	0.94	6.90
26	18	18,240	14,957	0.82	6.10	17,670	14,489	0.82	6.56	16,530	13,555	0.82	7.05
26	20	19,760	13,832	0.70	6.25	19,000	13,300	0.70	6.68	17,860	12,502	0.70	7.18
26	22	21,280	12,342	0.58	6.37	20,520	11,902	0.58	6.87	19,380	11,240	0.58	7.30
27	16	16,910	16,572	0.98	5.94	16,150	15,827	0.98	6.37	15,390	15,082	0.98	6.90
27	18	18,240	15,686	0.86	6.10	17,670	15,196	0.86	6.56	16,530	14,216	0.86	7.05
27	20	19,760	14,622	0.74	6.25	19,000	14,060	0.74	6.68	17,860	13,216	0.74	7.18
27	22	21,280	13,194	0.62	6.37	20,520	12,722	0.62	6.87	19,380	12,016	0.62	7.30
28	16	16,910	16,910	1.00	5.94	16,150	16,150	1.00	6.37	15,390	15,390	1.00	6.90
28	18	18,240	16,416	0.90	6.10	17,670	15,903	0.90	6.56	16,530	14,877	0.90	7.05
28	20	19,760	15,413	0.78	6.25	19,000	14,820	0.78	6.68	17,860	13,931	0.78	7.18
28	22	21,280	14,045	0.66	6.37	20,520	13,543	0.66	6.87	19,380	12,791	0.66	7.30
30	16	16,910	16,910	1.00	5.94	16,150	16,150	1.00	6.37	15,390	15,390	1.00	6.90
30	18	18,240	17,875	0.98	6.10	17,670	17,317	0.98	6.56	16,530	16,199	0.98	7.05
30	20	19,760	16,994	0.86	6.25	19,000	16,340	0.86	6.68	17,860	15,360	0.86	7.18
30	22	21,280	15,747	0.74	6.37	20,520	15,185	0.74	6.87	19,380	14,341	0.74	7.30
32	16	16,910	16,910	1.00	5.94	16,150	16,150	1.00	6.37	15,390	15,390	1.00	6.90
32	18	18,240	18,240	1.00	6.10	17,670	17,670	1.00	6.56	16,530	16,530	1.00	7.05
32	20	19,760	18,574	0.94	6.25	19,000	17,860	0.94	6.68	17,860	16,788	0.94	7.18
32	22	21,280	17,450	0.82	6.37	20,520	16,826	0.82	6.87	19,380	15,892	0.82	7.30
34	16	16,910	16,910	1.00	5.94	16,150	16,150	1.00	6.37	15,390	15,390	1.00	6.90
34	18	18,240	18,240	1.00	6.10	17,670	17,670	1.00	6.56	16,530	16,530	1.00	7.05
34	20	19,760	19,760	1.00	6.25	19,000	19,000	1.00	6.68	17,860	17,860	1.00	7.18
34	22	21,280	19,152	0.90	6.37	20,520	18,468	0.90	6.87	19,380	17,442	0.90	7.30

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEA-M250LA / PUHZ-P250YKA3

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	21,780	15,028	0.69	6.45	21,120	14,573	0.69	6.81	20,460	14,117	0.69	7.21
20	18	23,320	13,292	0.57	6.57	22,660	12,916	0.57	6.93	21,890	12,477	0.57	7.41
20	20	25,080	11,286	0.45	6.77	24,530	11,039	0.45	7.09	23,870	10,742	0.45	7.57
22	16	21,780	16,771	0.77	6.45	21,120	16,262	0.77	6.81	20,460	15,754	0.77	7.21
22	18	23,320	15,158	0.65	6.57	22,660	14,729	0.65	6.93	21,890	14,229	0.65	7.41
22	20	25,080	13,292	0.53	6.77	24,530	13,001	0.53	7.09	23,870	12,651	0.53	7.57
24	16	21,780	18,513	0.85	6.45	21,120	17,952	0.85	6.81	20,460	17,391	0.85	7.21
24	18	23,320	17,024	0.73	6.57	22,660	16,542	0.73	6.93	21,890	15,980	0.73	7.41
24	20	25,080	15,299	0.61	6.77	24,530	14,963	0.61	7.09	23,870	14,561	0.61	7.57
24	22	26,730	13,098	0.49	6.93	26,180	12,828	0.49	7.33	25,520	12,505	0.49	7.82
26	16	21,780	20,255	0.93	6.45	21,120	19,642	0.93	6.81	20,460	19,028	0.93	7.21
26	18	23,320	18,889	0.81	6.57	22,660	18,355	0.81	6.93	21,890	17,731	0.81	7.41
26	20	25,080	17,305	0.69	6.77	24,530	16,926	0.69	7.09	23,870	16,470	0.69	7.57
26	22	26,730	15,236	0.57	6.93	26,180	14,923	0.57	7.33	25,520	14,546	0.57	7.82
27	16	21,780	21,127	0.97	6.45	21,120	20,486	0.97	6.81	20,460	19,846	0.97	7.21
27	18	23,320	19,822	0.85	6.57	22,660	19,261	0.85	6.93	21,890	18,607	0.85	7.41
27	20	25,080	18,308	0.73	6.77	24,530	17,907	0.73	7.09	23,870	17,425	0.73	7.57
27	22	26,730	16,305	0.61	6.93	26,180	15,970	0.61	7.33	25,520	15,567	0.61	7.82
28	16	21,780	21,780	1.00	6.45	21,120	21,120	1.00	6.81	20,460	20,460	1.00	7.21
28	18	23,320	20,755	0.89	6.57	22,660	20,167	0.89	6.93	21,890	19,482	0.89	7.41
28	20	25,080	19,312	0.77	6.77	24,530	18,888	0.77	7.09	23,870	18,380	0.77	7.57
28	22	26,730	17,375	0.65	6.93	26,180	17,017	0.65	7.33	25,520	16,588	0.65	7.82
30	16	21,780	21,780	1.00	6.45	21,120	21,120	1.00	6.81	20,460	20,460	1.00	7.21
30	18	23,320	22,620	0.97	6.57	22,660	21,980	0.97	6.93	21,890	21,233	0.97	7.41
30	20	25,080	21,318	0.85	6.77	24,530	20,851	0.85	7.09	23,870	20,290	0.85	7.57
30	22	26,730	19,513	0.73	6.93	26,180	19,111	0.73	7.33	25,520	18,630	0.73	7.82
32	16	21,780	21,780	1.00	6.45	21,120	21,120	1.00	6.81	20,460	20,460	1.00	7.21
32	18	23,320	23,320	1.00	6.57	22,660	22,660	1.00	6.93	21,890	21,890	1.00	7.41
32	20	25,080	23,324	0.93	6.77	24,530	22,813	0.93	7.09	23,870	22,199	0.93	7.57
32	22	26,730	21,651	0.81	6.93	26,180	21,206	0.81	7.33	25,520	20,671	0.81	7.82
34	16	21,780	21,780	1.00	6.45	21,120	21,120	1.00	6.81	20,460	20,460	1.00	7.21
34	18	23,320	23,320	1.00	6.57	22,660	22,660	1.00	6.93	21,890	21,890	1.00	7.41
34	20	25,080	25,080	1.00	6.77	24,530	24,530	1.00	7.09	23,870	23,870	1.00	7.57
34	22	26,730	23,790	0.89	6.93	26,180	23,300	0.89	7.33	25,520	22,713	0.89	7.82

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	19,580	13,510	0.69	7.74	18,700	12,903	0.69	8.30	17,820	12,296	0.69	8.98
20	18	21,120	12,038	0.57	7.94	20,460	11,662	0.57	8.54	19,140	10,910	0.57	9.19
20	20	22,880	10,296	0.45	8.14	22,000	9,900	0.45	8.70	20,680	9,306	0.45	9.35
22	16	19,580	15,077	0.77	7.74	18,700	14,399	0.77	8.30	17,820	13,721	0.77	8.98
22	18	21,120	13,728	0.65	7.94	20,460	13,299	0.65	8.54	19,140	12,441	0.65	9.19
22	20	22,880	12,126	0.53	8.14	22,000	11,660	0.53	8.70	20,680	10,960	0.53	9.35
24	16	19,580	16,643	0.85	7.74	18,700	15,895	0.85	8.30	17,820	15,147	0.85	8.98
24	18	21,120	15,418	0.73	7.94	20,460	14,936	0.73	8.54	19,140	13,972	0.73	9.19
24	20	22,880	13,957	0.61	8.14	22,000	13,420	0.61	8.70	20,680	12,615	0.61	9.35
24	22	24,640	12,074	0.49	8.30	23,760	11,642	0.49	8.94	22,440	10,996	0.49	9.51
26	16	19,580	18,209	0.93	7.74	18,700	17,391	0.93	8.30	17,820	16,573	0.93	8.98
26	18	21,120	17,107	0.81	7.94	20,460	16,573	0.81	8.54	19,140	15,503	0.81	9.19
26	20	22,880	15,787	0.69	8.14	22,000	15,180	0.69	8.70	20,680	14,269	0.69	9.35
26	22	24,640	14,045	0.57	8.30	23,760	13,543	0.57	8.94	22,440	12,791	0.57	9.51
27	16	19,580	18,993	0.97	7.74	18,700	18,139	0.97	8.30	17,820	17,285	0.97	8.98
27	18	21,120	17,952	0.85	7.94	20,460	17,391	0.85	8.54	19,140	16,269	0.85	9.19
27	20	22,880	16,702	0.73	8.14	22,000	16,060	0.73	8.70	20,680	15,096	0.73	9.35
27	22	24,640	15,030	0.61	8.30	23,760	14,494	0.61	8.94	22,440	13,688	0.61	9.51
28	16	19,580	19,580	1.00	7.74	18,700	18,700	1.00	8.30	17,820	17,820	1.00	8.98
28	18	21,120	18,797	0.89	7.94	20,460	18,209	0.89	8.54	19,140	17,035	0.89	9.19
28	20	22,880	17,618	0.77	8.14	22,000	16,940	0.77	8.70	20,680	15,924	0.77	9.35
28	22	24,640	16,016	0.65	8.30	23,760	15,444	0.65	8.94	22,440	14,586	0.65	9.51
30	16	19,580	19,580	1.00	7.74	18,700	18,700	1.00	8.30	17,820	17,820	1.00	8.98
30	18	21,120	20,486	0.97	7.94	20,460	19,846	0.97	8.54	19,140	18,566	0.97	9.19
30	20	22,880	19,448	0.85	8.14	22,000	18,700	0.85	8.70	20,680	17,578	0.85	9.35
30	22	24,640	17,987	0.73	8.30	23,760	17,345	0.73	8.94	22,440	16,381	0.73	9.51
32	16	19,580	19,580	1.00	7.74	18,700	18,700	1.00	8.30	17,820	17,820	1.00	8.98
32	18	21,120	21,120	1.00	7.94	20,460	20,460	1.00	8.54	19,140	19,140	1.00	9.19
32	20	22,880	21,278	0.93	8.14	22,000	20,460	0.93	8.70	20,680	19,232	0.93	9.35
32	22	24,640	19,958	0.81	8.30	23,760	19,246	0.81	8.94	22,440	18,176	0.81	9.51
34	16	19,580	19,580	1.00	7.74	18,700	18,700	1.00	8.30	17,820	17,820	1.00	8.98
34	18	21,120	21,120	1.00	7.94	20,460	20,460	1.00	8.54	19,140	19,140	1.00	9.19
34	20	22,880	22,880	1.00	8.14	22,000	22,000	1.00	8.70	20,680	20,680	1.00	9.35
34	22	24,640	21,930	0.89	8.30	23,760	21,146	0.89	8.94	22,440	19,972	0.89	9.51

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-SM71JA(L) / SUZ-SA71VA3

		OUTDOOR DB(°C)															
INDOOR	INDOOR	21				25				27				30			
DB(°C)	WB(°C)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8,343	5,423	0.65	1.880	7,988	5,192	0.65	1.974	7,668	4,984	0.65	2.068	7,384	4,800	0.65	2.162
21	20	8,698	4,610	0.53	1.974	8,343	4,422	0.53	2.092	8,094	4,290	0.53	2.139	7,810	4,139	0.53	2.233
22	18	8,343	5,756	0.69	1.880	7,988	5,511	0.69	1.974	7,668	5,291	0.69	2.068	7,384	5,095	0.69	2.162
22	20	8,698	4,958	0.57	1.974	8,343	4,755	0.57	2.092	8,094	4,614	0.57	2.139	7,810	4,452	0.57	2.233
22	22	9,053	4,074	0.45	2.045	8,733	3,930	0.45	2.174	8,520	3,834	0.45	2.233	8,165	3,674	0.45	2.327
23	18	8,343	6,090	0.73	1.880	7,988	5,831	0.73	1.974	7,668	5,598	0.73	2.068	7,384	5,390	0.73	2.162
23	20	8,698	5,305	0.61	1.974	8,343	5,089	0.61	2.092	8,094	4,937	0.61	2.139	7,810	4,764	0.61	2.233
23	22	9,053	4,436	0.49	2.045	8,733	4,279	0.49	2.174	8,520	4,175	0.49	2.233	8,165	4,001	0.49	2.327
24	18	8,343	6,424	0.77	1.880	7,988	6,150	0.77	1.974	7,668	5,904	0.77	2.068	7,384	5,686	0.77	2.162
24	20	8,698	5,653	0.65	1.974	8,343	5,423	0.65	2.092	8,094	5,261	0.65	2.139	7,810	5,077	0.65	2.233
24	22	9,053	4,798	0.53	2.045	8,733	4,628	0.53	2.174	8,520	4,516	0.53	2.233	8,165	4,327	0.53	2.327
24	24	9,514	3,901	0.41	2.139	9,159	3,755	0.41	2.256	8,946	3,668	0.41	2.327	8,662	3,551	0.41	2.444
25	20	8,698	6,001	0.69	1.974	8,343	5,756	0.69	2.092	8,094	5,585	0.69	2.139	7,810	5,389	0.69	2.233
25	22	9,053	5,160	0.57	2.045	8,733	4,978	0.57	2.174	8,520	4,856	0.57	2.233	8,165	4,654	0.57	2.327
25	24	9,514	4,281	0.45	2.139	9,159	4,122	0.45	2.256	8,946	4,026	0.45	2.327	8,662	3,898	0.45	2.444
26	18	8,343	7,091	0.85	1.880	7,988	6,789	0.85	1.974	7,668	6,518	0.85	2.068	7,384	6,276	0.85	2.162
26	20	8,698	6,349	0.73	1.974	8,343	6,090	0.73	2.092	8,094	5,909	0.73	2.139	7,810	5,701	0.73	2.233
26	22	9,053	5,522	0.61	2.045	8,733	5,327	0.61	2.174	8,520	5,197	0.61	2.233	8,165	4,981	0.61	2.327
26	24	9,514	4,662	0.49	2.139	9,159	4,488	0.49	2.256	8,946	4,384	0.49	2.327	8,662	4,244	0.49	2.444
26	26	9,798	3,625	0.37	2.256	9,514	3,520	0.37	2.374	9,372	3,468	0.37	2.444	9,088	3,363	0.37	2.515
27	18	8,343	7,425	0.89	1.880	7,988	7,109	0.89	1.974	7,668	6,825	0.89	2.068	7,384	6,572	0.89	2.162
27	20	8,698	6,697	0.77	1.974	8,343	6,424	0.77	2.092	8,094	6,232	0.77	2.139	7,810	6,014	0.77	2.233
27	22	9,053	5,884	0.65	2.045	8,733	5,676	0.65	2.174	8,520	5,538	0.65	2.233	8,165	5,307	0.65	2.327
27	24	9,514	5,042	0.53	2.139	9,159	4,854	0.53	2.256	8,946	4,741	0.53	2.327	8,662	4,591	0.53	2.444
27	26	9,798	4,017	0.41	2.256	9,514	3,901	0.41	2.374	9,372	3,843	0.41	2.444	9,088	3,726	0.41	2.515
28	18	8,343	7,759	0.93	1.880	7,988	7,428	0.93	1.974	7,668	7,131	0.93	2.068	7,384	6,867	0.93	2.162
28	20	8,698	7,045	0.81	1.974	8,343	6,757	0.81	2.092	8,094	6,556	0.81	2.139	7,810	6,326	0.81	2.233
28	22	9,053	6,246	0.69	2.045	8,733	6,026	0.69	2.174	8,520	5,879	0.69	2.233	8,165	5,634	0.69	2.327
28	24	9,514	5,423	0.57	2.139	9,159	5,221	0.57	2.256	8,946	5,099	0.57	2.327	8,662	4,937	0.57	2.444
28	26	9,798	4,409	0.45	2.256	9,514	4,281	0.45	2.374	9,372	4,217	0.45	2.444	9,088	4,090	0.45	2.515
29	18	8,343	8,092	0.97	1.880	7,988	7,748	0.97	1.974	7,668	7,438	0.97	2.068	7,384	7,162	0.97	2.162
29	20	8,698	7,393	0.85	1.974	8,343	7,091	0.85	2.092	8,094	6,880	0.85	2.139	7,810	6,639	0.85	2.233
29	22	9,053	6,608	0.73	2.045	8,733	6,375	0.73	2.174	8,520	6,220	0.73	2.233	8,165	5,960	0.73	2.327
29	24	9,514	5,804	0.61	2.139	9,159	5,587	0.61	2.256	8,946	5,457	0.61	2.327	8,662	5,284	0.61	2.444
29	26	9,798	4,801	0.49	2.256	9,514	4,662	0.49	2.374	9,372	4,592	0.49	2.444	9,088	4,453	0.49	2.515
30	18	8,343	8,426	1.01	1.880	7,988	8,067	1.01	1.974	7,668	7,745	1.01	2.068	7,384	7,458	1.01	2.162
30	20	8,698	7,741	0.89	1.974	8,343	7,425	0.89	2.092	8,094	7,204	0.89	2.139	7,810	6,951	0.89	2.233
30	22	9,053	6,970	0.77	2.045	8,733	6,724	0.77	2.174	8,520	6,560	0.77	2.233	8,165	6,287	0.77	2.327
30	24	9,514	6,184	0.65	2.139	9,159	5,953	0.65	2.256	8,946	5,815	0.65	2.327	8,662	5,630	0.65	2.444
30	26	9,798	5,193	0.53	2.256	9,514	5,042	0.53	2.374	9,372	4,967	0.53	2.444	9,088	4,817	0.53	2.515
31	18	8,343	8,760	1.05	1.880	7,988	8,387	1.05	1.974	7,668	8,051	1.05	2.068	7,384	7,753	1.05	2.162
31	20	8,698	8,089	0.93	1.974	8,343	7,759	0.93	2.092	8,094	7,527	0.93	2.139	7,810	7,263	0.93	2.233
31	22	9,053	7,333	0.81	2.045	8,733	7,074	0.81	2.174	8,520	6,901	0.81	2.233	8,165	6,614	0.81	2.327
31	24	9,514	6,565	0.69	2.139	9,159	6,320	0.69	2.256	8,946	6,173	0.69	2.327	8,662	5,977	0.69	2.444
31	26	9,798	5,585	0.57	2.256	9,514	5,423	0.57	2.374	9,372	5,342	0.57	2.444	9,088	5,180	0.57	2.515
32	18	8,343	9,093	1.09	1.880	7,988	8,706	1.09	1.974	7,668	8,358	1.09	2.068	7,384	8,049	1.09	2.162
32	20	8,698	8,437	0.97	1.974	8,343	8,092	0.97	2.092	8,094	7,851	0.97	2.139	7,810	7,576	0.97	2.233
32	22	9,053	7,695	0.85	2.045	8,733	7,423	0.85	2.174	8,520	7,242	0.85	2.233	8,165	6,940	0.85	2.327
32	24	9,514	6,945	0.73	2.139	9,159	6,686	0.73	2.256	8,946	6,531	0.73	2.327	8,662	6,323	0.73	2.444
32	26	9,798	5,977	0.61	2.256	9,514	5,804	0.61	2.374	9,372	5,717	0.61	2.444	9,088	5,544	0.61	2.515

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-SM71JA(L) / SUZ-SA71VA3

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6,958	4,523	0.65	2.303	6,390	4,154	0.65	2.444	5,893	3,830	0.65	2.538
21	20	7,313	3,876	0.53	2.397	6,816	3,612	0.53	2.515	6,319	3,349	0.53	2.656
22	18	6,958	4,801	0.69	2.303	6,390	4,409	0.69	2.444	5,893	4,066	0.69	2.538
22	20	7,313	4,168	0.57	2.397	6,816	3,885	0.57	2.515	6,319	3,602	0.57	2.656
22	22	7,739	3,483	0.45	2.491	7,242	3,259	0.45	2.632	6,745	3,035	0.45	2.726
23	18	6,958	5,079	0.73	2.303	6,390	4,665	0.73	2.444	5,893	4,302	0.73	2.538
23	20	7,313	4,461	0.61	2.397	6,816	4,158	0.61	2.515	6,319	3,855	0.61	2.656
23	22	7,739	3,792	0.49	2.491	7,242	3,549	0.49	2.632	6,745	3,305	0.49	2.726
24	18	6,958	5,358	0.77	2.303	6,390	4,920	0.77	2.444	5,893	4,538	0.77	2.538
24	20	7,313	4,753	0.65	2.397	6,816	4,430	0.65	2.515	6,319	4,107	0.65	2.656
24	22	7,739	4,102	0.53	2.491	7,242	3,838	0.53	2.632	6,745	3,575	0.53	2.726
24	24	8,165	3,348	0.41	2.585	7,668	3,144	0.41	2.703	7,242	2,969	0.41	2.820
25	20	7,313	5,046	0.69	2.397	6,816	4,703	0.69	2.515	6,319	4,360	0.69	2.656
25	22	7,739	4,411	0.57	2.491	7,242	4,128	0.57	2.632	6,745	3,845	0.57	2.726
25	24	8,165	3,674	0.45	2.585	7,668	3,451	0.45	2.703	7,242	3,259	0.45	2.820
26	18	6,958	5,914	0.85	2.303	6,390	5,432	0.85	2.444	5,893	5,009	0.85	2.538
26	20	7,313	5,338	0.73	2.397	6,816	4,976	0.73	2.515	6,319	4,613	0.73	2.656
26	22	7,739	4,721	0.61	2.491	7,242	4,418	0.61	2.632	6,745	4,114	0.61	2.726
26	24	8,165	4,001	0.49	2.585	7,668	3,757	0.49	2.703	7,242	3,549	0.49	2.820
26	26	8,591	3,179	0.37	2.679	8,094	2,995	0.37	2.797	7,597	2,811	0.37	2.914
27	18	6,958	6,193	0.89	2.303	6,390	5,687	0.89	2.444	5,893	5,245	0.89	2.538
27	20	7,313	5,631	0.77	2.397	6,816	5,248	0.77	2.515	6,319	4,866	0.77	2.656
27	22	7,739	5,030	0.65	2.491	7,242	4,707	0.65	2.632	6,745	4,384	0.65	2.726
27	24	8,165	4,327	0.53	2.585	7,668	4,064	0.53	2.703	7,242	3,838	0.53	2.820
27	26	8,591	3,522	0.41	2.679	8,094	3,319	0.41	2.797	7,597	3,115	0.41	2.914
28	18	6,958	6,471	0.93	2.303	6,390	5,943	0.93	2.444	5,893	5,480	0.93	2.538
28	20	7,313	5,924	0.81	2.397	6,816	5,521	0.81	2.515	6,319	5,118	0.81	2.656
28	22	7,739	5,340	0.69	2.491	7,242	4,997	0.69	2.632	6,745	4,654	0.69	2.726
28	24	8,165	4,654	0.57	2.585	7,668	4,371	0.57	2.703	7,242	4,128	0.57	2.820
28	26	8,591	3,866	0.45	2.679	8,094	3,642	0.45	2.797	7,597	3,419	0.45	2.914
29	18	6,958	6,749	0.97	2.303	6,390	6,198	0.97	2.444	5,893	5,716	0.97	2.538
29	20	7,313	6,216	0.85	2.397	6,816	5,794	0.85	2.515	6,319	5,371	0.85	2.656
29	22	7,739	5,649	0.73	2.491	7,242	5,287	0.73	2.632	6,745	4,924	0.73	2.726
29	24	8,165	4,981	0.61	2.585	7,668	4,677	0.61	2.703	7,242	4,418	0.61	2.820
29	26	8,591	4,210	0.49	2.679	8,094	3,966	0.49	2.797	7,597	3,723	0.49	2.914
30	18	6,958	7,028	1.01	2.303	6,390	6,454	1.01	2.444	5,893	5,952	1.01	2.538
30	20	7,313	6,509	0.89	2.397	6,816	6,066	0.89	2.515	6,319	5,624	0.89	2.656
30	22	7,739	5,959	0.77	2.491	7,242	5,576	0.77	2.632	6,745	5,194	0.77	2.726
30	24	8,165	5,307	0.65	2.585	7,668	4,984	0.65	2.703	7,242	4,707	0.65	2.820
30	26	8,591	4,553	0.53	2.679	8,094	4,290	0.53	2.797	7,597	4,026	0.53	2.914
31	18	6,958	7,306	1.05	2.303	6,390	6,710	1.05	2.444	5,893	6,188	1.05	2.538
31	20	7,313	6,801	0.93	2.397	6,816	6,339	0.93	2.515	6,319	5,877	0.93	2.656
31	22	7,739	6,269	0.81	2.491	7,242	5,866	0.81	2.632	6,745	5,463	0.81	2.726
31	24	8,165	5,634	0.69	2.585	7,668	5,291	0.69	2.703	7,242	4,997	0.69	2.820
31	26	8,591	4,897	0.57	2.679	8,094	4,614	0.57	2.797	7,597	4,330	0.57	2.914
32	18	6,958	7,584	1.09	2.303	6,390	6,965	1.09	2.444	5,893	6,423	1.09	2.538
32	20	7,313	7,094	0.97	2.397	6,816	6,612	0.97	2.515	6,319	6,129	0.97	2.656
32	22	7,739	6,578	0.85	2.491	7,242	6,156	0.85	2.632	6,745	5,733	0.85	2.726
32	24	8,165	5,960	0.73	2.585	7,668	5,598	0.73	2.703	7,242	5,287	0.73	2.820
32	26	8,591	5,241	0.61	2.679	8,094	4,937	0.61	2.797	7,597	4,634	0.61	2.914

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-SM100JA(L) / SUZ-SA100VA2

		OUTDOOR DB(°C)															
INDOOR	INDOOR	21				25				27				30			
DB(°C)	WB(°C)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	11,045	7,952	0.72	2.496	10,575	7,614	0.72	2.621	10,152	7,309	0.72	2.746	9,776	7,039	0.72	2.870
21	20	11,515	6,909	0.60	2.621	11,045	6,627	0.60	2.777	10,716	6,430	0.60	2.839	10,340	6,204	0.60	2.964
22	18	11,045	8,394	0.76	2.496	10,575	8,037	0.76	2.621	10,152	7,716	0.76	2.746	9,776	7,430	0.76	2.870
22	20	11,515	7,370	0.64	2.621	11,045	7,069	0.64	2.777	10,716	6,858	0.64	2.839	10,340	6,618	0.64	2.964
22	22	11,985	6,232	0.52	2.714	11,562	6,012	0.52	2.886	11,280	5,866	0.52	2.964	10,810	5,621	0.52	3.089
23	18	11,045	8,836	0.80	2.496	10,575	8,460	0.80	2.621	10,152	8,122	0.80	2.746	9,776	7,821	0.80	2.870
23	20	11,515	7,830	0.68	2.621	11,045	7,511	0.68	2.777	10,716	7,287	0.68	2.839	10,340	7,031	0.68	2.964
23	22	11,985	6,712	0.56	2.714	11,562	6,475	0.56	2.886	11,280	6,317	0.56	2.964	10,810	6,054	0.56	3.089
24	18	11,045	9,278	0.84	2.496	10,575	8,883	0.84	2.621	10,152	8,528	0.84	2.746	9,776	8,212	0.84	2.870
24	20	11,515	8,291	0.72	2.621	11,045	7,952	0.72	2.777	10,716	7,716	0.72	2.839	10,340	7,445	0.72	2.964
24	22	11,985	7,191	0.60	2.714	11,562	6,937	0.60	2.886	11,280	6,768	0.60	2.964	10,810	6,486	0.60	3.089
24	24	12,596	6,046	0.48	2.839	12,126	5,820	0.48	2.995	11,844	5,685	0.48	3.089	11,468	5,505	0.48	3.245
25	20	11,515	8,751	0.76	2.621	11,045	8,394	0.76	2.777	10,716	8,144	0.76	2.839	10,340	7,858	0.76	2.964
25	22	11,985	7,670	0.64	2.714	11,562	7,400	0.64	2.886	11,280	7,219	0.64	2.964	10,810	6,918	0.64	3.089
25	24	12,596	6,550	0.52	2.839	12,126	6,306	0.52	2.995	11,844	6,159	0.52	3.089	11,468	5,963	0.52	3.245
26	18	11,045	10,161	0.92	2.496	10,575	9,729	0.92	2.621	10,152	9,340	0.92	2.746	9,776	8,994	0.92	2.870
26	20	11,515	9,212	0.80	2.621	11,045	8,836	0.80	2.777	10,716	8,573	0.80	2.839	10,340	8,272	0.80	2.964
26	22	11,985	8,150	0.68	2.714	11,562	7,862	0.68	2.886	11,280	7,670	0.68	2.964	10,810	7,351	0.68	3.089
26	24	12,596	7,054	0.56	2.839	12,126	6,791	0.56	2.995	11,844	6,633	0.56	3.089	11,468	6,422	0.56	3.245
26	26	12,972	5,708	0.44	2.995	12,596	5,542	0.44	3.151	12,408	5,460	0.44	3.245	12,032	5,294	0.44	3.338
27	18	11,045	10,603	0.96	2.496	10,575	10,152	0.96	2.621	10,152	9,746	0.96	2.746	9,776	9,385	0.96	2.870
27	20	11,515	9,673	0.84	2.621	11,045	9,278	0.84	2.777	10,716	9,001	0.84	2.839	10,340	8,686	0.84	2.964
27	22	11,985	8,629	0.72	2.714	11,562	8,325	0.72	2.886	11,280	8,122	0.72	2.964	10,810	7,783	0.72	3.089
27	24	12,596	7,558	0.60	2.839	12,126	7,276	0.60	2.995	11,844	7,106	0.60	3.089	11,468	6,881	0.60	3.245
27	26	12,972	6,227	0.48	2.995	12,596	6,046	0.48	3.151	12,408	5,956	0.48	3.245	12,032	5,775	0.48	3.338
28	18	11,045	11,045	1.00	2.496	10,575	10,575	1.00	2.621	10,152	10,152	1.00	2.746	9,776	9,776	1.00	2.870
28	20	11,515	10,133	0.88	2.621	11,045	9,720	0.88	2.777	10,716	9,430	0.88	2.839	10,340	9,099	0.88	2.964
28	22	11,985	9,109	0.76	2.714	11,562	8,787	0.76	2.886	11,280	8,573	0.76	2.964	10,810	8,216	0.76	3.089
28	24	12,596	8,061	0.64	2.839	12,126	7,761	0.64	2.995	11,844	7,580	0.64	3.089	11,468	7,340	0.64	3.245
28	26	12,972	6,745	0.52	2.995	12,596	6,550	0.52	3.151	12,408	6,452	0.52	3.245	12,032	6,257	0.52	3.338
29	18	11,045	11,487	1.04	2.496	10,575	10,998	1.04	2.621	10,152	10,558	1.04	2.746	9,776	10,167	1.04	2.870
29	20	11,515	10,594	0.92	2.621	11,045	10,161	0.92	2.777	10,716	9,859	0.92	2.839	10,340	9,513	0.92	2.964
29	22	11,985	9,588	0.80	2.714	11,562	9,250	0.80	2.886	11,280	9,024	0.80	2.964	10,810	8,648	0.80	3.089
29	24	12,596	8,565	0.68	2.839	12,126	8,246	0.68	2.995	11,844	8,054	0.68	3.089	11,468	7,798	0.68	3.245
29	26	12,972	7,264	0.56	2.995	12,596	7,054	0.56	3.151	12,408	6,948	0.56	3.245	12,032	6,738	0.56	3.338
30	18	11,045	11,929	1.08	2.496	10,575	11,421	1.08	2.621	10,152	10,964	1.08	2.746	9,776	10,558	1.08	2.870
30	20	11,515	11,054	0.96	2.621	11,045	10,603	0.96	2.777	10,716	10,287	0.96	2.839	10,340	9,926	0.96	2.964
30	22	11,985	10,067	0.84	2.714	11,562	9,712	0.84	2.886	11,280	9,475	0.84	2.964	10,810	9,080	0.84	3.089
30	24	12,596	9,069	0.72	2.839	12,126	8,731	0.72	2.995	11,844	8,528	0.72	3.089	11,468	8,257	0.72	3.245
30	26	12,972	7,783	0.60	2.995	12,596	7,558	0.60	3.151	12,408	7,445	0.60	3.245	12,032	7,219	0.60	3.338
31	18	11,045	12,370	1.12	2.496	10,575	11,844	1.12	2.621	10,152	11,370	1.12	2.746	9,776	10,949	1.12	2.870
31	20	11,515	11,515	1.00	2.621	11,045	11,045	1.00	2.777	10,716	10,716	1.00	2.839	10,340	10,340	1.00	2.964
31	22	11,985	10,547	0.88	2.714	11,562	10,175	0.88	2.886	11,280	9,926	0.88	2.964	10,810	9,513	0.88	3.089
31	24	12,596	9,573	0.76	2.839	12,126	9,216	0.76	2.995	11,844	9,001	0.76	3.089	11,468	8,716	0.76	3.245
31	26	12,972	8,302	0.64	2.995	12,596	8,061	0.64	3.151	12,408	7,941	0.64	3.245	12,032	7,700	0.64	3.338
32	18	11,045	12,812	1.16	2.496	10,575	12,267	1.16	2.621	10,152	11,776	1.16	2.746	9,776	11,340	1.16	2.870
32	20	11,515	11,976	1.04	2.621	11,045	11,487	1.04	2.777	10,716	11,145	1.04	2.839	10,340	10,754	1.04	2.964
32	22	11,985	11,026	0.92	2.714	11,562	10,637	0.92	2.886	11,280	10,378	0.92	2.964	10,810	9,945	0.92	3.089
32	24	12,596	10,077	0.80	2.839	12,126	9,701	0.80	2.995	11,844	9,475	0.80	3.089	11,468	9,174	0.80	3.245
32	26	12,972	8,821	0.68	2.995	12,596	8,565	0.68	3.151	12,408	8,437	0.68	3.245	12,032	8,182	0.68	3.338

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-SM100JA(L) / SUZ-SA100VA2

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	9,212	6,633	0.72	3.058	8,460	6,091	0.72	3.245	7,802	5,617	0.72	3.370
21	20	9,682	5,809	0.60	3.182	9,024	5,414	0.60	3.338	8,366	5,020	0.60	3.526
22	18	9,212	7,001	0.76	3.058	8,460	6,430	0.76	3.245	7,802	5,930	0.76	3.370
22	20	9,682	6,196	0.64	3.182	9,024	5,775	0.64	3.338	8,366	5,354	0.64	3.526
22	22	10,246	5,328	0.52	3.307	9,588	4,986	0.52	3.494	8,930	4,644	0.52	3.619
23	18	9,212	7,370	0.80	3.058	8,460	6,768	0.80	3.245	7,802	6,242	0.80	3.370
23	20	9,682	6,584	0.68	3.182	9,024	6,136	0.68	3.338	8,366	5,689	0.68	3.526
23	22	10,246	5,738	0.56	3.307	9,588	5,369	0.56	3.494	8,930	5,001	0.56	3.619
24	18	9,212	7,738	0.84	3.058	8,460	7,106	0.84	3.245	7,802	6,554	0.84	3.370
24	20	9,682	6,971	0.72	3.182	9,024	6,497	0.72	3.338	8,366	6,024	0.72	3.526
24	22	10,246	6,148	0.60	3.307	9,588	5,753	0.60	3.494	8,930	5,358	0.60	3.619
24	24	10,810	5,189	0.48	3.432	10,152	4,873	0.48	3.588	9,588	4,602	0.48	3.744
25	20	9,682	7,358	0.76	3.182	9,024	6,858	0.76	3.338	8,366	6,358	0.76	3.526
25	22	10,246	6,557	0.64	3.307	9,588	6,136	0.64	3.494	8,930	5,715	0.64	3.619
25	24	10,810	5,621	0.52	3.432	10,152	5,279	0.52	3.588	9,588	4,986	0.52	3.744
26	18	9,212	8,475	0.92	3.058	8,460	7,783	0.92	3.245	7,802	7,178	0.92	3.370
26	20	9,682	7,746	0.80	3.182	9,024	7,219	0.80	3.338	8,366	6,693	0.80	3.526
26	22	10,246	6,967	0.68	3.307	9,588	6,520	0.68	3.494	8,930	6,072	0.68	3.619
26	24	10,810	6,054	0.56	3.432	10,152	5,685	0.56	3.588	9,588	5,369	0.56	3.744
26	26	11,374	5,005	0.44	3.557	10,716	4,715	0.44	3.713	10,058	4,426	0.44	3.869
27	18	9,212	8,844	0.96	3.058	8,460	8,122	0.96	3.245	7,802	7,490	0.96	3.370
27	20	9,682	8,133	0.84	3.182	9,024	7,580	0.84	3.338	8,366	7,027	0.84	3.526
27	22	10,246	7,377	0.72	3.307	9,588	6,903	0.72	3.494	8,930	6,430	0.72	3.619
27	24	10,810	6,486	0.60	3.432	10,152	6,091	0.60	3.588	9,588	5,753	0.60	3.744
27	26	11,374	5,460	0.48	3.557	10,716	5,144	0.48	3.713	10,058	4,828	0.48	3.869
28	18	9,212	9,212	1.00	3.058	8,460	8,460	1.00	3.245	7,802	7,802	1.00	3.370
28	20	9,682	8,520	0.88	3.182	9,024	7,941	0.88	3.338	8,366	7,362	0.88	3.526
28	22	10,246	7,787	0.76	3.307	9,588	7,287	0.76	3.494	8,930	6,787	0.76	3.619
28	24	10,810	6,918	0.64	3.432	10,152	6,497	0.64	3.588	9,588	6,136	0.64	3.744
28	26	11,374	5,914	0.52	3.557	10,716	5,572	0.52	3.713	10,058	5,230	0.52	3.869
29	18	9,212	9,580	1.04	3.058	8,460	8,798	1.04	3.245	7,802	8,114	1.04	3.370
29	20	9,682	8,907	0.92	3.182	9,024	8,302	0.92	3.338	8,366	7,697	0.92	3.526
29	22	10,246	8,197	0.80	3.307	9,588	7,670	0.80	3.494	8,930	7,144	0.80	3.619
29	24	10,810	7,351	0.68	3.432	10,152	6,903	0.68	3.588	9,588	6,520	0.68	3.744
29	26	11,374	6,369	0.56	3.557	10,716	6,001	0.56	3.713	10,058	5,632	0.56	3.869
30	18	9,212	9,949	1.08	3.058	8,460	9,137	1.08	3.245	7,802	8,426	1.08	3.370
30	20	9,682	9,295	0.96	3.182	9,024	8,663	0.96	3.338	8,366	8,031	0.96	3.526
30	22	10,246	8,607	0.84	3.307	9,588	8,054	0.84	3.494	8,930	7,501	0.84	3.619
30	24	10,810	7,783	0.72	3.432	10,152	7,309	0.72	3.588	9,588	6,903	0.72	3.744
30	26	11,374	6,824	0.60	3.557	10,716	6,430	0.60	3.713	10,058	6,035	0.60	3.869
31	18	9,212	10,317	1.12	3.058	8,460	9,475	1.12	3.245	7,802	8,738	1.12	3.370
31	20	9,682	9,682	1.00	3.182	9,024	9,024	1.00	3.338	8,366	8,366	1.00	3.526
31	22	10,246	9,016	0.88	3.307	9,588	8,437	0.88	3.494	8,930	7,858	0.88	3.619
31	24	10,810	8,216	0.76	3.432	10,152	7,716	0.76	3.588	9,588	7,287	0.76	3.744
31	26	11,374	7,279	0.64	3.557	10,716	6,858	0.64	3.713	10,058	6,437	0.64	3.869
32	18	9,212	10,686	1.16	3.058	8,460	9,814	1.16	3.245	7,802	9,050	1.16	3.370
32	20	9,682	10,069	1.04	3.182	9,024	9,385	1.04	3.338	8,366	8,701	1.04	3.526
32	22	10,246	9,426	0.92	3.307	9,588	8,821	0.92	3.494	8,930	8,216	0.92	3.619
32	24	10,810	8,648	0.80	3.432	10,152	8,122	0.80	3.588	9,588	7,670	0.80	3.744
32	26	11,374	7,734	0.68	3.557	10,716	7,287	0.68	3.713	10,058	6,839	0.68	3.869

Note: Q : Capacity (W)
INPUT. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-SM100JA(L) / PUHZ-SP100YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	9,306	6,700	0.72	2.46	9,024	6,497	0.72	2.60	8,742	6,294	0.72	2.76
20	18	9,964	5,978	0.60	2.51	9,682	5,809	0.60	2.65	9,353	5,612	0.60	2.83
20	20	10,716	5,144	0.48	2.59	10,481	5,031	0.48	2.71	10,199	4,896	0.48	2.90
22	16	9,306	7,445	0.80	2.46	9,024	7,219	0.80	2.60	8,742	6,994	0.80	2.76
22	18	9,964	6,776	0.68	2.51	9,682	6,584	0.68	2.65	9,353	6,360	0.68	2.83
22	20	10,716	6,001	0.56	2.59	10,481	5,869	0.56	2.71	10,199	5,711	0.56	2.90
24	16	9,306	8,189	0.88	2.46	9,024	7,941	0.88	2.60	8,742	7,693	0.88	2.76
24	18	9,964	7,573	0.76	2.51	9,682	7,358	0.76	2.65	9,353	7,108	0.76	2.83
24	20	10,716	6,858	0.64	2.59	10,481	6,708	0.64	2.71	10,199	6,527	0.64	2.90
24	22	11,421	5,939	0.52	2.65	11,186	5,817	0.52	2.80	10,904	5,670	0.52	2.99
26	16	9,306	8,934	0.96	2.46	9,024	8,663	0.96	2.60	8,742	8,392	0.96	2.76
26	18	9,964	8,370	0.84	2.51	9,682	8,133	0.84	2.65	9,353	7,857	0.84	2.83
26	20	10,716	7,716	0.72	2.59	10,481	7,546	0.72	2.71	10,199	7,343	0.72	2.90
26	22	11,421	6,853	0.60	2.65	11,186	6,712	0.60	2.80	10,904	6,542	0.60	2.99
27	16	9,306	9,306	1.00	2.46	9,024	9,024	1.00	2.60	8,742	8,742	1.00	2.76
27	18	9,964	8,768	0.88	2.51	9,682	8,520	0.88	2.65	9,353	8,231	0.88	2.83
27	20	10,716	8,144	0.76	2.59	10,481	7,966	0.76	2.71	10,199	7,751	0.76	2.90
27	22	11,421	7,309	0.64	2.65	11,186	7,159	0.64	2.80	10,904	6,979	0.64	2.99
28	16	9,306	9,306	1.00	2.46	9,024	9,024	1.00	2.60	8,742	8,742	1.00	2.76
28	18	9,964	9,167	0.92	2.51	9,682	8,907	0.92	2.65	9,353	8,605	0.92	2.83
28	20	10,716	8,573	0.80	2.59	10,481	8,385	0.80	2.71	10,199	8,159	0.80	2.90
28	22	11,421	7,766	0.68	2.65	11,186	7,606	0.68	2.80	10,904	7,415	0.68	2.99
30	16	9,306	9,306	1.00	2.46	9,024	9,024	1.00	2.60	8,742	8,742	1.00	2.76
30	18	9,964	9,964	1.00	2.51	9,682	9,682	1.00	2.65	9,353	9,353	1.00	2.83
30	20	10,716	9,430	0.88	2.59	10,481	9,223	0.88	2.71	10,199	8,975	0.88	2.90
30	22	11,421	8,680	0.76	2.65	11,186	8,501	0.76	2.80	10,904	8,287	0.76	2.99
32	16	9,306	9,306	1.00	2.46	9,024	9,024	1.00	2.60	8,742	8,742	1.00	2.76
32	18	9,964	9,964	1.00	2.51	9,682	9,682	1.00	2.65	9,353	9,353	1.00	2.83
32	20	10,716	10,287	0.96	2.59	10,481	10,062	0.96	2.71	10,199	9,791	0.96	2.90
32	22	11,421	9,594	0.84	2.65	11,186	9,396	0.84	2.80	10,904	9,159	0.84	2.99
34	16	9,306	9,306	1.00	2.46	9,024	9,024	1.00	2.60	8,742	8,742	1.00	2.76
34	18	9,964	9,964	1.00	2.51	9,682	9,682	1.00	2.65	9,353	9,353	1.00	2.83
34	20	10,716	10,716	1.00	2.59	10,481	10,481	1.00	2.71	10,199	10,199	1.00	2.90
34	22	11,421	10,507	0.92	2.65	11,186	10,291	0.92	2.80	10,904	10,032	0.92	2.99

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	8,366	6,024	0.72	2.96	7,990	5,753	0.72	3.17	7,614	5,482	0.72	3.43
20	18	9,024	5,414	0.60	3.03	8,742	5,245	0.60	3.26	8,178	4,907	0.60	3.51
20	20	9,776	4,692	0.48	3.11	9,400	4,512	0.48	3.33	8,836	4,241	0.48	3.57
22	16	8,366	6,693	0.80	2.96	7,990	6,392	0.80	3.17	7,614	6,091	0.80	3.43
22	18	9,024	6,136	0.68	3.03	8,742	5,945	0.68	3.26	8,178	5,561	0.68	3.51
22	20	9,776	5,475	0.56	3.11	9,400	5,264	0.56	3.33	8,836	4,948	0.56	3.57
24	16	8,366	7,362	0.88	2.96	7,990	7,031	0.88	3.17	7,614	6,700	0.88	3.43
24	18	9,024	6,858	0.76	3.03	8,742	6,644	0.76	3.26	8,178	6,215	0.76	3.51
24	20	9,776	6,257	0.64	3.11	9,400	6,016	0.64	3.33	8,836	5,655	0.64	3.57
24	22	10,528	5,475	0.52	3.17	10,152	5,279	0.52	3.42	9,588	4,986	0.52	3.63
26	16	8,366	8,031	0.96	2.96	7,990	7,670	0.96	3.17	7,614	7,309	0.96	3.43
26	18	9,024	7,580	0.84	3.03	8,742	7,343	0.84	3.26	8,178	6,870	0.84	3.51
26	20	9,776	7,039	0.72	3.11	9,400	6,768	0.72	3.33	8,836	6,362	0.72	3.57
26	22	10,528	6,317	0.60	3.17	10,152	6,091	0.60	3.42	9,588	5,753	0.60	3.63
27	16	8,366	8,366	1.00	2.96	7,990	7,990	1.00	3.17	7,614	7,614	1.00	3.43
27	18	9,024	7,941	0.88	3.03	8,742	7,693	0.88	3.26	8,178	7,197	0.88	3.51
27	20	9,776	7,430	0.76	3.11	9,400	7,144	0.76	3.33	8,836	6,715	0.76	3.57
27	22	10,528	6,738	0.64	3.17	10,152	6,497	0.64	3.42	9,588	6,136	0.64	3.63
28	16	8,366	8,366	1.00	2.96	7,990	7,990	1.00	3.17	7,614	7,614	1.00	3.43
28	18	9,024	8,302	0.92	3.03	8,742	8,043	0.92	3.26	8,178	7,524	0.92	3.51
28	20	9,776	7,821	0.80	3.11	9,400	7,520	0.80	3.33	8,836	7,069	0.80	3.57
28	22	10,528	7,159	0.68	3.17	10,152	6,903	0.68	3.42	9,588	6,520	0.68	3.63
30	16	8,366	8,366	1.00	2.96	7,990	7,990	1.00	3.17	7,614	7,614	1.00	3.43
30	18	9,024	9,024	1.00	3.03	8,742	8,742	1.00	3.26	8,178	8,178	1.00	3.51
30	20	9,776	8,603	0.88	3.11	9,400	8,272	0.88	3.33	8,836	7,776	0.88	3.57
30	22	10,528	8,001	0.76	3.17	10,152	7,716	0.76	3.42	9,588	7,287	0.76	3.63
32	16	8,366	8,366	1.00	2.96	7,990	7,990	1.00	3.17	7,614	7,614	1.00	3.43
32	18	9,024	9,024	1.00	3.03	8,742	8,742	1.00	3.26	8,178	8,178	1.00	3.51
32	20	9,776	9,385	0.96	3.11	9,400	9,024	0.96	3.33	8,836	8,483	0.96	3.57
32	22	10,528	8,844	0.84	3.17	10,152	8,528	0.84	3.42	9,588	8,054	0.84	3.63
34	16	8,366	8,366	1.00	2.96	7,990	7,990	1.00	3.17	7,614	7,614	1.00	3.43
34	18	9,024	9,024	1.00	3.03	8,742	8,742	1.00	3.26	8,178	8,178	1.00	3.51
34	20	9,776	9,776	1.00	3.11	9,400	9,400	1.00	3.33	8,836	8,836	1.00	3.57
34	22	10,528	9,686	0.92	3.17	10,152	9,340	0.92	3.42	9,588	8,821	0.92	3.63

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY

PEAD-SM125JA(L) / PUHZ-SP125VKA PUHZ-SP125YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	11,979	8,864	0.74	3.44	11,616	8,596	0.74	3.63	11,253	8,327	0.74	3.85
20	18	12,826	7,952	0.62	3.50	12,463	7,727	0.62	3.70	12,040	7,464	0.62	3.96
20	20	13,794	6,897	0.50	3.61	13,492	6,746	0.50	3.78	13,129	6,564	0.50	4.04
22	16	11,979	9,823	0.82	3.44	11,616	9,525	0.82	3.63	11,253	9,227	0.82	3.85
22	18	12,826	8,978	0.70	3.50	12,463	8,724	0.70	3.70	12,040	8,428	0.70	3.96
22	20	13,794	8,001	0.58	3.61	13,492	7,825	0.58	3.78	13,129	7,615	0.58	4.04
24	16	11,979	10,781	0.90	3.44	11,616	10,454	0.90	3.63	11,253	10,128	0.90	3.85
24	18	12,826	10,004	0.78	3.50	12,463	9,721	0.78	3.70	12,040	9,391	0.78	3.96
24	20	13,794	9,104	0.66	3.61	13,492	8,904	0.66	3.78	13,129	8,665	0.66	4.04
24	22	14,702	7,939	0.54	3.70	14,399	7,775	0.54	3.91	14,036	7,579	0.54	4.17
26	16	11,979	11,739	0.98	3.44	11,616	11,384	0.98	3.63	11,253	11,028	0.98	3.85
26	18	12,826	11,030	0.86	3.50	12,463	10,718	0.86	3.70	12,040	10,354	0.86	3.96
26	20	13,794	10,208	0.74	3.61	13,492	9,984	0.74	3.78	13,129	9,715	0.74	4.04
26	22	14,702	9,115	0.62	3.70	14,399	8,927	0.62	3.91	14,036	8,702	0.62	4.17
27	16	11,979	11,979	1.00	3.44	11,616	11,616	1.00	3.63	11,253	11,253	1.00	3.85
27	18	12,826	11,543	0.90	3.50	12,463	11,217	0.90	3.70	12,040	10,836	0.90	3.96
27	20	13,794	10,759	0.78	3.61	13,492	10,523	0.78	3.78	13,129	10,240	0.78	4.04
27	22	14,702	9,703	0.66	3.70	14,399	9,503	0.66	3.91	14,036	9,264	0.66	4.17
28	16	11,979	11,979	1.00	3.44	11,616	11,616	1.00	3.63	11,253	11,253	1.00	3.85
28	18	12,826	12,056	0.94	3.50	12,463	11,715	0.94	3.70	12,040	11,317	0.94	3.96
28	20	13,794	11,311	0.82	3.61	13,492	11,063	0.82	3.78	13,129	10,765	0.82	4.04
28	22	14,702	10,291	0.70	3.70	14,399	10,079	0.70	3.91	14,036	9,825	0.70	4.17
30	16	11,979	11,979	1.00	3.44	11,616	11,616	1.00	3.63	11,253	11,253	1.00	3.85
30	18	12,826	12,826	1.00	3.50	12,463	12,463	1.00	3.70	12,040	12,040	1.00	3.96
30	20	13,794	12,415	0.90	3.61	13,492	12,142	0.90	3.78	13,129	11,816	0.90	4.04
30	22	14,702	11,467	0.78	3.70	14,399	11,231	0.78	3.91	14,036	10,948	0.78	4.17
32	16	11,979	11,979	1.00	3.44	11,616	11,616	1.00	3.63	11,253	11,253	1.00	3.85
32	18	12,826	12,826	1.00	3.50	12,463	12,463	1.00	3.70	12,040	12,040	1.00	3.96
32	20	13,794	13,518	0.98	3.61	13,492	13,222	0.98	3.78	13,129	12,866	0.98	4.04
32	22	14,702	12,643	0.86	3.70	14,399	12,383	0.86	3.91	14,036	12,071	0.86	4.17
34	16	11,979	11,979	1.00	3.44	11,616	11,616	1.00	3.63	11,253	11,253	1.00	3.85
34	18	12,826	12,826	1.00	3.50	12,463	12,463	1.00	3.70	12,040	12,040	1.00	3.96
34	20	13,794	13,794	1.00	3.61	13,492	13,492	1.00	3.78	13,129	13,129	1.00	4.04
34	22	14,702	13,819	0.94	3.70	14,399	13,535	0.94	3.91	14,036	13,194	0.94	4.17

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	10,769	7,969	0.74	4.13	10,285	7,611	0.74	4.43	9,801	7,253	0.74	4.79
20	18	11,616	7,202	0.62	4.24	11,253	6,977	0.62	4.56	10,527	6,527	0.62	4.90
20	20	12,584	6,292	0.50	4.34	12,100	6,050	0.50	4.64	11,374	5,687	0.50	4.99
22	16	10,769	8,831	0.82	4.13	10,285	8,434	0.82	4.43	9,801	8,037	0.82	4.79
22	18	11,616	8,131	0.70	4.24	11,253	7,877	0.70	4.56	10,527	7,369	0.70	4.90
22	20	12,584	7,299	0.58	4.34	12,100	7,018	0.58	4.64	11,374	6,597	0.58	4.99
24	16	10,769	9,692	0.90	4.13	10,285	9,257	0.90	4.43	9,801	8,821	0.90	4.79
24	18	11,616	9,060	0.78	4.24	11,253	8,777	0.78	4.56	10,527	8,211	0.78	4.90
24	20	12,584	8,305	0.66	4.34	12,100	7,986	0.66	4.64	11,374	7,507	0.66	4.99
24	22	13,552	7,318	0.54	4.43	13,068	7,057	0.54	4.77	12,342	6,665	0.54	5.07
26	16	10,769	10,554	0.98	4.13	10,285	10,079	0.98	4.43	9,801	9,605	0.98	4.79
26	18	11,616	9,990	0.86	4.24	11,253	9,678	0.86	4.56	10,527	9,053	0.86	4.90
26	20	12,584	9,312	0.74	4.34	12,100	8,954	0.74	4.64	11,374	8,417	0.74	4.99
26	22	13,552	8,402	0.62	4.43	13,068	8,102	0.62	4.77	12,342	7,652	0.62	5.07
27	16	10,769	10,769	1.00	4.13	10,285	10,285	1.00	4.43	9,801	9,801	1.00	4.79
27	18	11,616	10,454	0.90	4.24	11,253	10,128	0.90	4.56	10,527	9,474	0.90	4.90
27	20	12,584	9,816	0.78	4.34	12,100	9,438	0.78	4.64	11,374	8,872	0.78	4.99
27	22	13,552	8,944	0.66	4.43	13,068	8,625	0.66	4.77	12,342	8,146	0.66	5.07
28	16	10,769	10,769	1.00	4.13	10,285	10,285	1.00	4.43	9,801	9,801	1.00	4.79
28	18	11,616	10,919	0.94	4.24	11,253	10,578	0.94	4.56	10,527	9,895	0.94	4.90
28	20	12,584	10,319	0.82	4.34	12,100	9,922	0.82	4.64	11,374	9,327	0.82	4.99
28	22	13,552	9,486	0.70	4.43	13,068	9,148	0.70	4.77	12,342	8,639	0.70	5.07
30	16	10,769	10,769	1.00	4.13	10,285	10,285	1.00	4.43	9,801	9,801	1.00	4.79
30	18	11,616	11,616	1.00	4.24	11,253	11,253	1.00	4.56	10,527	10,527	1.00	4.90
30	20	12,584	11,326	0.90	4.34	12,100	10,890	0.90	4.64	11,374	10,237	0.90	4.99
30	22	13,552	10,571	0.78	4.43	13,068	10,193	0.78	4.77	12,342	9,627	0.78	5.07
32	16	10,769	10,769	1.00	4.13	10,285	10,285	1.00	4.43	9,801	9,801	1.00	4.79
32	18	11,616	11,616	1.00	4.24	11,253	11,253	1.00	4.56	10,527	10,527	1.00	4.90
32	20	12,584	12,332	0.98	4.34	12,100	11,858	0.98	4.64	11,374	11,147	0.98	4.99
32	22	13,552	11,655	0.86	4.43	13,068	11,238	0.86	4.77	12,342	10,614	0.86	5.07
34	16	10,769	10,769	1.00	4.13	10,285	10,285	1.00	4.43	9,801	9,801	1.00	4.79
34	18	11,616	11,616	1.00	4.24	11,253	11,253	1.00	4.56	10,527	10,527	1.00	4.90
34	20	12,584	12,584	1.00	4.34	12,100	12,100	1.00	4.64	11,374	11,374	1.00	4.99
34	22	13,552	12,739	0.94	4.43	13,068	12,284	0.94	4.77	12,342	11,601	0.94	5.07

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-SM140JA(L) / PUHZ-SP140VKA PUHZ-SP140YKA

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	13,464	9,963	0.74	4.32	13,056	9,661	0.74	4.56	12,648	9,360	0.74	4.83
20	18	14,416	8,938	0.62	4.40	14,008	8,685	0.62	4.64	13,532	8,390	0.62	4.97
20	20	15,504	7,752	0.50	4.54	15,164	7,582	0.50	4.75	14,756	7,378	0.50	5.08
22	16	13,464	11,040	0.82	4.32	13,056	10,706	0.82	4.56	12,648	10,371	0.82	4.83
22	18	14,416	10,091	0.70	4.40	14,008	9,806	0.70	4.64	13,532	9,472	0.70	4.97
22	20	15,504	8,992	0.58	4.54	15,164	8,795	0.58	4.75	14,756	8,558	0.58	5.08
24	16	13,464	12,118	0.90	4.32	13,056	11,750	0.90	4.56	12,648	11,383	0.90	4.83
24	18	14,416	11,244	0.78	4.40	14,008	10,926	0.78	4.64	13,532	10,555	0.78	4.97
24	20	15,504	10,233	0.66	4.54	15,164	10,008	0.66	4.75	14,756	9,739	0.66	5.08
24	22	16,524	8,923	0.54	4.64	16,184	8,739	0.54	4.91	15,776	8,519	0.54	5.24
26	16	13,464	13,195	0.98	4.32	13,056	12,795	0.98	4.56	12,648	12,395	0.98	4.83
26	18	14,416	12,398	0.86	4.40	14,008	12,047	0.86	4.64	13,532	11,638	0.86	4.97
26	20	15,504	11,473	0.74	4.54	15,164	11,221	0.74	4.75	14,756	10,919	0.74	5.08
26	22	16,524	10,245	0.62	4.64	16,184	10,034	0.62	4.91	15,776	9,781	0.62	5.24
27	16	13,464	13,464	1.00	4.32	13,056	13,056	1.00	4.56	12,648	12,648	1.00	4.83
27	18	14,416	12,974	0.90	4.40	14,008	12,607	0.90	4.64	13,532	12,179	0.90	4.97
27	20	15,504	12,093	0.78	4.54	15,164	11,828	0.78	4.75	14,756	11,510	0.78	5.08
27	22	16,524	10,906	0.66	4.64	16,184	10,681	0.66	4.91	15,776	10,412	0.66	5.24
28	16	13,464	13,464	1.00	4.32	13,056	13,056	1.00	4.56	12,648	12,648	1.00	4.83
28	18	14,416	13,551	0.94	4.40	14,008	13,168	0.94	4.64	13,532	12,720	0.94	4.97
28	20	15,504	12,713	0.82	4.54	15,164	12,434	0.82	4.75	14,756	12,100	0.82	5.08
28	22	16,524	11,567	0.70	4.64	16,184	11,329	0.70	4.91	15,776	11,043	0.70	5.24
30	16	13,464	13,464	1.00	4.32	13,056	13,056	1.00	4.56	12,648	12,648	1.00	4.83
30	18	14,416	14,416	1.00	4.40	14,008	14,008	1.00	4.64	13,532	13,532	1.00	4.97
30	20	15,504	13,954	0.90	4.54	15,164	13,648	0.90	4.75	14,756	13,280	0.90	5.08
30	22	16,524	12,889	0.78	4.64	16,184	12,624	0.78	4.91	15,776	12,305	0.78	5.24
32	16	13,464	13,464	1.00	4.32	13,056	13,056	1.00	4.56	12,648	12,648	1.00	4.83
32	18	14,416	14,416	1.00	4.40	14,008	14,008	1.00	4.64	13,532	13,532	1.00	4.97
32	20	15,504	15,194	0.98	4.54	15,164	14,861	0.98	4.75	14,756	14,461	0.98	5.08
32	22	16,524	14,211	0.86	4.64	16,184	13,918	0.86	4.91	15,776	13,567	0.86	5.24
34	16	13,464	13,464	1.00	4.32	13,056	13,056	1.00	4.56	12,648	12,648	1.00	4.83
34	18	14,416	14,416	1.00	4.40	14,008	14,008	1.00	4.64	13,532	13,532	1.00	4.97
34	20	15,504	15,504	1.00	4.54	15,164	15,164	1.00	4.75	14,756	14,756	1.00	5.08
34	22	16,524	15,533	0.94	4.64	16,184	15,213	0.94	4.91	15,776	14,829	0.94	5.24

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	12,104	8,957	0.74	5.18	11,560	8,554	0.74	5.56	11,016	8,152	0.74	6.02
20	18	13,056	8,095	0.62	5.32	12,648	7,842	0.62	5.72	11,832	7,336	0.62	6.16
20	20	14,144	7,072	0.50	5.45	13,600	6,800	0.50	5.83	12,784	6,392	0.50	6.26
22	16	12,104	9,925	0.82	5.18	11,560	9,479	0.82	5.56	11,016	9,033	0.82	6.02
22	18	13,056	9,139	0.70	5.32	12,648	8,854	0.70	5.72	11,832	8,282	0.70	6.16
22	20	14,144	8,204	0.58	5.45	13,600	7,888	0.58	5.83	12,784	7,415	0.58	6.26
24	16	12,104	10,894	0.90	5.18	11,560	10,404	0.90	5.56	11,016	9,914	0.90	6.02
24	18	13,056	10,184	0.78	5.32	12,648	9,865	0.78	5.72	11,832	9,229	0.78	6.16
24	20	14,144	9,335	0.66	5.45	13,600	8,976	0.66	5.83	12,784	8,437	0.66	6.26
24	22	15,232	8,225	0.54	5.56	14,688	7,932	0.54	5.99	13,872	7,491	0.54	6.37
26	16	12,104	11,862	0.98	5.18	11,560	11,329	0.98	5.56	11,016	10,796	0.98	6.02
26	18	13,056	11,228	0.86	5.32	12,648	10,877	0.86	5.72	11,832	10,176	0.86	6.16
26	20	14,144	10,467	0.74	5.45	13,600	10,064	0.74	5.83	12,784	9,460	0.74	6.26
26	22	15,232	9,444	0.62	5.56	14,688	9,107	0.62	5.99	13,872	8,601	0.62	6.37
27	16	12,104	12,104	1.00	5.18	11,560	11,560	1.00	5.56	11,016	11,016	1.00	6.02
27	18	13,056	11,750	0.90	5.32	12,648	11,383	0.90	5.72	11,832	10,649	0.90	6.16
27	20	14,144	11,032	0.78	5.45	13,600	10,608	0.78	5.83	12,784	9,972	0.78	6.26
27	22	15,232	10,053	0.66	5.56	14,688	9,694	0.66	5.99	13,872	9,156	0.66	6.37
28	16	12,104	12,104	1.00	5.18	11,560	11,560	1.00	5.56	11,016	11,016	1.00	6.02
28	18	13,056	12,273	0.94	5.32	12,648	11,889	0.94	5.72	11,832	11,122	0.94	6.16
28	20	14,144	11,598	0.82	5.45	13,600	11,152	0.82	5.83	12,784	10,483	0.82	6.26
28	22	15,232	10,662	0.70	5.56	14,688	10,282	0.70	5.99	13,872	9,710	0.70	6.37
30	16	12,104	12,104	1.00	5.18	11,560	11,560	1.00	5.56	11,016	11,016	1.00	6.02
30	18	13,056	13,056	1.00	5.32	12,648	12,648	1.00	5.72	11,832	11,832	1.00	6.16
30	20	14,144	12,730	0.90	5.45	13,600	12,240	0.90	5.83	12,784	11,506	0.90	6.26
30	22	15,232	11,881	0.78	5.56	14,688	11,457	0.78	5.99	13,872	10,820	0.78	6.37
32	16	12,104	12,104	1.00	5.18	11,560	11,560	1.00	5.56	11,016	11,016	1.00	6.02
32	18	13,056	13,056	1.00	5.32	12,648	12,648	1.00	5.72	11,832	11,832	1.00	6.16
32	20	14,144	13,861	0.98	5.45	13,600	13,328	0.98	5.83	12,784	12,528	0.98	6.26
32	22	15,232	13,100	0.86	5.56	14,688	12,632	0.86	5.99	13,872	11,930	0.86	6.37
34	16	12,104	12,104	1.00	5.18	11,560	11,560	1.00	5.56	11,016	11,016	1.00	6.02
34	18	13,056	13,056	1.00	5.32	12,648	12,648	1.00	5.72	11,832	11,832	1.00	6.16
34	20	14,144	14,144	1.00	5.45	13,600	13,600	1.00	5.83	12,784	12,784	1.00	6.26
34	22	15,232	14,318	0.94	5.56	14,688	13,807	0.94	5.99	13,872	13,040	0.94	6.37

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M71JA / PUHZ-FRP71VHA2

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		20				25				30			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	7,029	5,272	0.75	1.68	6,816	5,112	0.75	1.77	6,603	4,952	0.75	1.88
20	18	7,526	4,741	0.63	1.71	7,313	4,607	0.63	1.81	7,065	4,451	0.63	1.93
20	20	8,094	4,128	0.51	1.76	7,917	4,037	0.51	1.85	7,704	3,929	0.51	1.97
22	16	7,029	5,834	0.83	1.68	6,816	5,657	0.83	1.77	6,603	5,480	0.83	1.88
22	18	7,526	5,343	0.71	1.71	7,313	5,192	0.71	1.81	7,065	5,016	0.71	1.93
22	20	8,094	4,775	0.59	1.76	7,917	4,671	0.59	1.85	7,704	4,545	0.59	1.97
24	16	7,029	6,396	0.91	1.68	6,816	6,203	0.91	1.77	6,603	6,009	0.91	1.88
24	18	7,526	5,946	0.79	1.71	7,313	5,777	0.79	1.81	7,065	5,581	0.79	1.93
24	20	8,094	5,423	0.67	1.76	7,917	5,304	0.67	1.85	7,704	5,161	0.67	1.97
24	22	8,627	4,745	0.55	1.81	8,449	4,647	0.55	1.91	8,236	4,530	0.55	2.04
26	16	7,029	6,959	0.99	1.68	6,816	6,748	0.99	1.77	6,603	6,537	0.99	1.88
26	18	7,526	6,548	0.87	1.71	7,313	6,362	0.87	1.81	7,065	6,146	0.87	1.93
26	20	8,094	6,071	0.75	1.76	7,917	5,937	0.75	1.85	7,704	5,778	0.75	1.97
26	22	8,627	5,435	0.63	1.81	8,449	5,323	0.63	1.91	8,236	5,189	0.63	2.04
27	16	7,029	7,029	1.00	1.68	6,816	6,816	1.00	1.77	6,603	6,603	1.00	1.88
27	18	7,526	6,849	0.91	1.71	7,313	6,655	0.91	1.81	7,065	6,429	0.91	1.93
27	20	8,094	6,394	0.79	1.76	7,917	6,254	0.79	1.85	7,704	6,086	0.79	1.97
27	22	8,627	5,780	0.67	1.81	8,449	5,661	0.67	1.91	8,236	5,518	0.67	2.04
28	16	7,029	7,029	1.00	1.68	6,816	6,816	1.00	1.77	6,603	6,603	1.00	1.88
28	18	7,526	7,150	0.95	1.71	7,313	6,947	0.95	1.81	7,065	6,711	0.95	1.93
28	20	8,094	6,718	0.83	1.76	7,917	6,571	0.83	1.85	7,704	6,394	0.83	1.97
28	22	8,627	6,125	0.71	1.81	8,449	5,999	0.71	1.91	8,236	5,848	0.71	2.04
30	16	7,029	7,029	1.00	1.68	6,816	6,816	1.00	1.77	6,603	6,603	1.00	1.88
30	18	7,526	7,526	1.00	1.71	7,313	7,313	1.00	1.81	7,065	7,065	1.00	1.93
30	20	8,094	7,366	0.91	1.76	7,917	7,204	0.91	1.85	7,704	7,010	0.91	1.97
30	22	8,627	6,815	0.79	1.81	8,449	6,675	0.79	1.91	8,236	6,506	0.79	2.04
32	16	7,029	7,029	1.00	1.68	6,816	6,816	1.00	1.77	6,603	6,603	1.00	1.88
32	18	7,526	7,526	1.00	1.71	7,313	7,313	1.00	1.81	7,065	7,065	1.00	1.93
32	20	8,094	8,013	0.99	1.76	7,917	7,837	0.99	1.85	7,704	7,626	0.99	1.97
32	22	8,627	7,505	0.87	1.81	8,449	7,351	0.87	1.91	8,236	7,165	0.87	2.04
34	16	7,029	7,029	1.00	1.68	6,816	6,816	1.00	1.77	6,603	6,603	1.00	1.88
34	18	7,526	7,526	1.00	1.71	7,313	7,313	1.00	1.81	7,065	7,065	1.00	1.93
34	20	8,094	8,094	1.00	1.76	7,917	7,917	1.00	1.85	7,704	7,704	1.00	1.97
34	22	8,627	8,195	0.95	1.81	8,449	8,027	0.95	1.91	8,236	7,824	0.95	2.04

Indoor intake air	Indoor intake air	Outdoor intake air DB℃											
		35				40				45			
D.B.(℃)	W.B.(℃)	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
20	16	6,319	4,739	0.75	2.02	6,035	4,526	0.75	2.16	5,751	4,313	0.75	2.34
20	18	6,816	4,294	0.63	2.07	6,603	4,160	0.63	2.23	6,177	3,892	0.63	2.39
20	20	7,384	3,766	0.51	2.12	7,100	3,621	0.51	2.27	6,674	3,404	0.51	2.44
22	16	6,319	5,245	0.83	2.02	6,035	5,009	0.83	2.16	5,751	4,773	0.83	2.34
22	18	6,816	4,839	0.71	2.07	6,603	4,688	0.71	2.23	6,177	4,386	0.71	2.39
22	20	7,384	4,357	0.59	2.12	7,100	4,189	0.59	2.27	6,674	3,938	0.59	2.44
24	16	6,319	5,750	0.91	2.02	6,035	5,492	0.91	2.16	5,751	5,233	0.91	2.34
24	18	6,816	5,385	0.79	2.07	6,603	5,216	0.79	2.23	6,177	4,880	0.79	2.39
24	20	7,384	4,947	0.67	2.12	7,100	4,757	0.67	2.27	6,674	4,472	0.67	2.44
24	22	7,952	4,374	0.55	2.16	7,668	4,217	0.55	2.33	7,242	3,983	0.55	2.48
26	16	6,319	6,256	0.99	2.02	6,035	5,975	0.99	2.16	5,751	5,693	0.99	2.34
26	18	6,816	5,930	0.87	2.07	6,603	5,745	0.87	2.23	6,177	5,374	0.87	2.39
26	20	7,384	5,538	0.75	2.12	7,100	5,325	0.75	2.27	6,674	5,006	0.75	2.44
26	22	7,952	5,010	0.63	2.16	7,668	4,831	0.63	2.33	7,242	4,562	0.63	2.48
27	16	6,319	6,319	1.00	2.02	6,035	6,035	1.00	2.16	5,751	5,751	1.00	2.34
27	18	6,816	6,203	0.91	2.07	6,603	6,009	0.91	2.23	6,177	5,621	0.91	2.39
27	20	7,384	5,833	0.79	2.12	7,100	5,609	0.79	2.27	6,674	5,272	0.79	2.44
27	22	7,952	5,328	0.67	2.16	7,668	5,138	0.67	2.33	7,242	4,852	0.67	2.48
28	16	6,319	6,319	1.00	2.02	6,035	6,035	1.00	2.16	5,751	5,751	1.00	2.34
28	18	6,816	6,475	0.95	2.07	6,603	6,273	0.95	2.23	6,177	5,868	0.95	2.39
28	20	7,384	6,129	0.83	2.12	7,100	5,893	0.83	2.27	6,674	5,539	0.83	2.44
28	22	7,952	5,646	0.71	2.16	7,668	5,444	0.71	2.33	7,242	5,142	0.71	2.48
30	16	6,319	6,319	1.00	2.02	6,035	6,035	1.00	2.16	5,751	5,751	1.00	2.34
30	18	6,816	6,816	1.00	2.07	6,603	6,603	1.00	2.23	6,177	6,177	1.00	2.39
30	20	7,384	6,719	0.91	2.12	7,100	6,461	0.91	2.27	6,674	6,073	0.91	2.44
30	22	7,952	6,282	0.79	2.16	7,668	6,058	0.79	2.33	7,242	5,721	0.79	2.48
32	16	6,319	6,319	1.00	2.02	6,035	6,035	1.00	2.16	5,751	5,751	1.00	2.34
32	18	6,816	6,816	1.00	2.07	6,603	6,603	1.00	2.23	6,177	6,177	1.00	2.39
32	20	7,384	7,310	0.99	2.12	7,100	7,029	0.99	2.27	6,674	6,607	0.99	2.44
32	22	7,952	6,918	0.87	2.16	7,668	6,671	0.87	2.33	7,242	6,301	0.87	2.48
34	16	6,319	6,319	1.00	2.02	6,035	6,035	1.00	2.16	5,751	5,751	1.00	2.34
34	18	6,816	6,816	1.00	2.07	6,603	6,603	1.00	2.23	6,177	6,177	1.00	2.39
34	20	7,384	7,384	1.00	2.12	7,100	7,100	1.00	2.27	6,674	6,674	1.00	2.44
34	22	7,952	7,554	0.95	2.16	7,668	7,285	0.95	2.33	7,242	6,880	0.95	2.48

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

COOLING CAPACITY
PEAD-M71JAL / PUHZ-FRP71VA2

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 20 CA	20 SHC (W)	20 SHF	20 P.C.	25 CA	25 SHC (W)	25 SHF	25 P.C.	30 CA	30 SHC (W)	30 SHF	30 P.C.
20	16	7,029	5,272	0.75	1.63	6,816	5,112	0.75	1.72	6,603	4,952	0.75	1.83
20	18	7,526	4,741	0.63	1.66	7,313	4,607	0.63	1.75	7,065	4,451	0.63	1.88
20	20	8,094	4,128	0.51	1.71	7,917	4,037	0.51	1.80	7,704	3,929	0.51	1.92
22	16	7,029	5,834	0.83	1.63	6,816	5,657	0.83	1.72	6,603	5,480	0.83	1.83
22	18	7,526	5,343	0.71	1.66	7,313	5,192	0.71	1.75	7,065	5,016	0.71	1.88
22	20	8,094	4,775	0.59	1.71	7,917	4,671	0.59	1.80	7,704	4,545	0.59	1.92
24	16	7,029	6,396	0.91	1.63	6,816	6,203	0.91	1.72	6,603	6,009	0.91	1.83
24	18	7,526	5,946	0.79	1.66	7,313	5,777	0.79	1.75	7,065	5,581	0.79	1.88
24	20	8,094	5,423	0.67	1.71	7,917	5,304	0.67	1.80	7,704	5,161	0.67	1.92
24	22	8,627	4,745	0.55	1.75	8,449	4,647	0.55	1.86	8,236	4,530	0.55	1.98
26	16	7,029	6,959	0.99	1.63	6,816	6,748	0.99	1.72	6,603	6,537	0.99	1.83
26	18	7,526	6,548	0.87	1.66	7,313	6,362	0.87	1.75	7,065	6,146	0.87	1.88
26	20	8,094	6,071	0.75	1.71	7,917	5,937	0.75	1.80	7,704	5,778	0.75	1.92
26	22	8,627	5,435	0.63	1.75	8,449	5,323	0.63	1.86	8,236	5,189	0.63	1.98
27	16	7,029	7,029	1.00	1.63	6,816	6,816	1.00	1.72	6,603	6,603	1.00	1.83
27	18	7,526	6,849	0.91	1.66	7,313	6,655	0.91	1.75	7,065	6,429	0.91	1.88
27	20	8,094	6,394	0.79	1.71	7,917	6,254	0.79	1.80	7,704	6,086	0.79	1.92
27	22	8,627	5,780	0.67	1.75	8,449	5,661	0.67	1.86	8,236	5,518	0.67	1.98
28	16	7,029	7,029	1.00	1.63	6,816	6,816	1.00	1.72	6,603	6,603	1.00	1.83
28	18	7,526	7,150	0.95	1.66	7,313	6,947	0.95	1.75	7,065	6,711	0.95	1.88
28	20	8,094	6,718	0.83	1.71	7,917	6,571	0.83	1.80	7,704	6,394	0.83	1.92
28	22	8,627	6,125	0.71	1.75	8,449	5,999	0.71	1.86	8,236	5,848	0.71	1.98
30	16	7,029	7,029	1.00	1.63	6,816	6,816	1.00	1.72	6,603	6,603	1.00	1.83
30	18	7,526	7,526	1.00	1.66	7,313	7,313	1.00	1.75	7,065	7,065	1.00	1.88
30	20	8,094	7,366	0.91	1.71	7,917	7,204	0.91	1.80	7,704	7,010	0.91	1.92
30	22	8,627	6,815	0.79	1.75	8,449	6,675	0.79	1.86	8,236	6,506	0.79	1.98
32	16	7,029	7,029	1.00	1.63	6,816	6,816	1.00	1.72	6,603	6,603	1.00	1.83
32	18	7,526	7,526	1.00	1.66	7,313	7,313	1.00	1.75	7,065	7,065	1.00	1.88
32	20	8,094	8,013	0.99	1.71	7,917	7,837	0.99	1.80	7,704	7,626	0.99	1.92
32	22	8,627	7,505	0.87	1.75	8,449	7,351	0.87	1.86	8,236	7,165	0.87	1.98
34	16	7,029	7,029	1.00	1.63	6,816	6,816	1.00	1.72	6,603	6,603	1.00	1.83
34	18	7,526	7,526	1.00	1.66	7,313	7,313	1.00	1.75	7,065	7,065	1.00	1.88
34	20	8,094	8,094	1.00	1.71	7,917	7,917	1.00	1.80	7,704	7,704	1.00	1.92
34	22	8,627	8,195	0.95	1.75	8,449	8,027	0.95	1.86	8,236	7,824	0.95	1.98

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB℃ 35 CA	35 SHC (W)	35 SHF	35 P.C.	40 CA	40 SHC (W)	40 SHF	40 P.C.	45 CA	45 SHC (W)	45 SHF	45 P.C.
20	16	6,319	4,739	0.75	1.96	6,035	4,526	0.75	2.10	5,751	4,313	0.75	2.27
20	18	6,816	4,294	0.63	2.01	6,603	4,160	0.63	2.16	6,177	3,892	0.63	2.33
20	20	7,384	3,766	0.51	2.06	7,100	3,621	0.51	2.20	6,674	3,404	0.51	2.37
22	16	6,319	5,245	0.83	1.96	6,035	5,009	0.83	2.10	5,751	4,773	0.83	2.27
22	18	6,816	4,839	0.71	2.01	6,603	4,688	0.71	2.16	6,177	4,386	0.71	2.33
22	20	7,384	4,357	0.59	2.06	7,100	4,189	0.59	2.20	6,674	3,938	0.59	2.37
24	16	6,319	5,750	0.91	1.96	6,035	5,492	0.91	2.10	5,751	5,233	0.91	2.27
24	18	6,816	5,385	0.79	2.01	6,603	5,216	0.79	2.16	6,177	4,880	0.79	2.33
24	20	7,384	4,947	0.67	2.06	7,100	4,757	0.67	2.20	6,674	4,472	0.67	2.37
24	22	7,952	4,374	0.55	2.10	7,668	4,217	0.55	2.26	7,242	3,983	0.55	2.41
26	16	6,319	6,256	0.99	1.96	6,035	5,975	0.99	2.10	5,751	5,693	0.99	2.27
26	18	6,816	5,930	0.87	2.01	6,603	5,745	0.87	2.16	6,177	5,374	0.87	2.33
26	20	7,384	5,538	0.75	2.06	7,100	5,325	0.75	2.20	6,674	5,006	0.75	2.37
26	22	7,952	5,010	0.63	2.10	7,668	4,831	0.63	2.26	7,242	4,562	0.63	2.41
27	16	6,319	6,319	1.00	1.96	6,035	6,035	1.00	2.10	5,751	5,751	1.00	2.27
27	18	6,816	6,203	0.91	2.01	6,603	6,009	0.91	2.16	6,177	5,621	0.91	2.33
27	20	7,384	5,833	0.79	2.06	7,100	5,609	0.79	2.20	6,674	5,272	0.79	2.37
27	22	7,952	5,328	0.67	2.10	7,668	5,138	0.67	2.26	7,242	4,852	0.67	2.41
28	16	6,319	6,319	1.00	1.96	6,035	6,035	1.00	2.10	5,751	5,751	1.00	2.27
28	18	6,816	6,475	0.95	2.01	6,603	6,273	0.95	2.16	6,177	5,868	0.95	2.33
28	20	7,384	6,129	0.83	2.06	7,100	5,893	0.83	2.20	6,674	5,539	0.83	2.37
28	22	7,952	5,646	0.71	2.10	7,668	5,444	0.71	2.26	7,242	5,142	0.71	2.41
30	16	6,319	6,319	1.00	1.96	6,035	6,035	1.00	2.10	5,751	5,751	1.00	2.27
30	18	6,816	6,816	1.00	2.01	6,603	6,603	1.00	2.16	6,177	6,177	1.00	2.33
30	20	7,384	6,719	0.91	2.06	7,100	6,461	0.91	2.20	6,674	6,073	0.91	2.37
30	22	7,952	6,282	0.79	2.10	7,668	6,058	0.79	2.26	7,242	5,721	0.79	2.41
32	16	6,319	6,319	1.00	1.96	6,035	6,035	1.00	2.10	5,751	5,751	1.00	2.27
32	18	6,816	6,816	1.00	2.01	6,603	6,603	1.00	2.16	6,177	6,177	1.00	2.33
32	20	7,384	7,310	0.99	2.06	7,100	7,029	0.99	2.20	6,674	6,607	0.99	2.37
32	22	7,952	6,918	0.87	2.10	7,668	6,671	0.87	2.26	7,242	6,301	0.87	2.41
34	16	6,319	6,319	1.00	1.96	6,035	6,035	1.00	2.10	5,751	5,751	1.00	2.27
34	18	6,816	6,816	1.00	2.01	6,603	6,603	1.00	2.16	6,177	6,177	1.00	2.33
34	20	7,384	7,384	1.00	2.06	7,100	7,100	1.00	2.20	6,674	6,674	1.00	2.37
34	22	7,952	7,554	0.95	2.10	7,668	7,285	0.95	2.26	7,242	6,880	0.95	2.41

Note: CA : Capacity (W)
P.C. : Total power input (kW)
SHC : Sensible heat capacity (W)
SHF : Sensible heat factor
D.B. : Dry-bulb temperature
W.B. : Wet-bulb temperature

HEATING CAPACITY
PEAD-M•JA(L) / PUHZ-SHW•VHA PUHZ-SHW•YHA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-M100JA(L)	15	11,648	5.34	11,648	4.90	11,648	4.00	11,648	2.92	12,768	3.17	14,112	3.37
	20	11,200	5.52	11,200	5.09	11,200	4.22	11,200	3.13	12,320	3.35	13,608	3.61
	25	10,752	5.71	10,752	5.28	10,752	4.41	10,752	3.35	11,872	3.60	13,160	3.91
PEAD-M125JA(L)	15	14,560	6.67	14,560	6.13	14,560	5.00	14,560	3.65	15,960	3.96	17,640	4.21
	20	14,000	6.90	14,000	6.36	14,000	5.28	14,000	3.92	15,400	4.19	17,010	4.52
	25	13,440	7.14	13,440	6.59	13,440	5.51	13,440	4.19	14,840	4.50	16,450	4.89

Note: CA : Capacity (W) P.C. : Total power input (kW)

PEAD-M•JA(L) / PUHZ-ZRP•VKA2(3) PUHZ-ZRP•VHA2 PUHZ-ZRP•YKA3

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-M35JA(L)	15	2,604	0.56	2,829	0.62	3,157	0.71	4,141	0.86	4,674	0.95	5,207	1.03
	20	2,501	0.61	2,706	0.67	2,993	0.77	3,998	0.92	4,510	1.03	5,023	1.10
	25	2,419	0.65	2,624	0.72	2,870	0.84	3,772	0.98	4,346	1.10	4,838	1.18
PEAD-M50JA(L)	15	3,810	0.89	4,140	0.98	4,620	1.13	6,060	1.35	6,840	1.50	7,620	1.62
	20	3,660	0.96	3,960	1.05	4,380	1.22	5,850	1.46	6,600	1.62	7,350	1.74
	25	3,540	1.02	3,840	1.14	4,200	1.32	5,520	1.55	6,360	1.73	7,080	1.87
PEAD-M60JA(L)	15	4,445	1.06	4,830	1.16	5,390	1.34	7,070	1.61	7,980	1.79	8,890	1.93
	20	4,270	1.15	4,620	1.25	5,110	1.45	6,825	1.74	7,700	1.93	8,575	2.08
	25	4,130	1.22	4,480	1.36	4,900	1.58	6,440	1.84	7,420	2.07	8,260	2.23
PEAD-M71JA(L)	15	5,080	1.20	5,520	1.32	6,160	1.52	8,080	1.83	9,120	2.03	10,160	2.19
	20	4,880	1.30	5,280	1.42	5,840	1.64	7,800	1.97	8,800	2.19	9,800	2.35
	25	4,720	1.38	5,120	1.54	5,600	1.79	7,360	2.09	8,480	2.34	9,440	2.53
PEAD-M100JA(L)	15	7,112	1.53	7,728	1.69	8,624	1.95	11,312	2.34	12,768	2.60	14,224	2.81
	20	6,832	1.66	7,392	1.82	8,176	2.11	10,920	2.52	12,320	2.81	13,720	3.02
	25	6,608	1.77	7,168	1.98	7,840	2.29	10,304	2.68	11,872	3.00	13,216	3.24
PEAD-M125JA(L)	15	8,890	2.07	9,660	2.28	10,780	2.63	14,140	3.16	15,960	3.51	17,780	3.79
	20	8,540	2.25	9,240	2.46	10,220	2.84	13,650	3.40	15,400	3.79	17,150	4.07
	25	8,260	2.39	8,960	2.67	9,800	3.09	12,880	3.62	14,840	4.05	16,520	4.37
PEAD-M140JA(L)	15	10,160	2.40	11,040	2.65	12,320	3.05	16,160	3.66	18,240	4.07	20,320	4.40
	20	9,760	2.60	10,560	2.85	11,680	3.30	15,600	3.95	17,600	4.40	19,600	4.72
	25	9,440	2.77	10,240	3.09	11,200	3.58	14,720	4.19	16,960	4.70	18,880	5.07

Note: CA : Capacity (W) P.C. : Total power input (kW)

PEAD-M•JA(L) / SUZ-KA•VA6

	Indoor intake air DB°C	Outdoor intake air WB°C															
		-15		-10		-5		0		5		10		15		20	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-M35JA(L)	15	2,050	0.58	2,583	0.722	3,116	0.866	3,649	0.977	4,182	1.055	4,715	1.121	5,207	1.154	5,740	1.177
	20	1,927	0.61	2,460	0.777	2,952	0.921	3,485	1.021	3,977	1.099	4,510	1.154	5,002	1.188	5,515	1.232
	25	1,681	0.67	2,214	0.833	2,747	0.977	3,239	1.077	3,772	1.154	4,305	1.210	4,797	1.243	5,330	1.277
PEAD-M50JA(L)	15	2,950	0.842	3,717	1.053	4,484	1.264	5,251	1.426	6,018	1.539	6,785	1.636	7,493	1.685	8,260	1.717
	20	2,773	0.897	3,540	1.134	4,248	1.345	5,015	1.490	5,723	1.604	6,490	1.685	7,198	1.733	7,936	1.798
	25	2,419	0.972	3,186	1.215	3,953	1.426	4,661	1.571	5,428	1.685	6,195	1.766	6,903	1.814	7,670	1.863
PEAD-M60JA(L)	15	3,450	1.004	4,347	1.255	5,244	1.505	6,141	1.698	7,038	1.834	7,935	1.949	8,763	2.007	9,660	2.046
	20	3,243	1.069	4,140	1.351	4,968	1.602	5,865	1.776	6,693	1.911	7,590	2.007	8,418	2.065	9,281	2.142
	25	2,829	1.158	3,726	1.448	4,623	1.698	5,451	1.872	6,348	2.007	7,245	2.104	8,073	2.162	8,970	2.220
PEAD-M71JA(L)	15	4,000	1.061	5,040	1.326	6,080	1.591	7,120	1.795	8,160	1.938	9,200	2.060	10,160	2.122	11,200	2.162
	20	3,760	1.130	4,800	1.428	5,760	1.693	6,800	1.877	7,760	2.020	8,800	2.122	9,760	2.183	10,760	2.264
	25	3,280	1.224	4,320	1.530	5,360	1.795	6,320	1.979	7,360	2.122	8,400	2.224	9,360	2.285	10,400	2.346

Note: CA : Capacity (W) P.C. : Total power input (kW)

PEAD-M•JA(L) / PUHZ-P•VKA PUHZ-P•YKA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-M100JA(L)	15	7,112	1.73	7,728	1.90	8,624	2.20	11,312	2.64	12,768	2.93	14,224	3.16
	20	6,832	1.88	7,392	2.05	8,176	2.37	10,920	2.84	12,320	3.16	13,720	3.40
	25	6,608	1.99	7,168	2.23	7,840	2.58	10,304	3.02	11,872	3.38	13,216	3.65
PEAD-M125JA(L)	15	8,573	2.20	9,315	2.42	10,395	2.80	13,635	3.36	15,390	3.73	17,145	4.03
	20	8,235	2.39	8,910	2.61	9,855	3.02	13,163	3.62	14,850	4.03	16,538	4.33
	25	7,965	2.54	8,640	2.83	9,450	3.28	12,420	3.84	14,310	4.31	15,930	4.64
PEAD-M140JA(L)	15	9,525	2.52	10,350	2.78	11,550	3.20	15,150	3.84	17,100	4.27	19,050	4.61
	20	9,150	2.73	9,900	2.99	10,950	3.46	14,625	4.14	16,500	4.61	18,375	4.95
	25	8,850	2.90	9,600	3.25	10,500	3.76	13,800	4.40	15,900	4.93	17,700	5.32

Note: CA : Capacity (W) P.C. : Total power input (kW)

HEATING CAPACITY
PEA-M•LA / PUHZ-ZRP•YKA3

	Indoor intake air DB°C	-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEA-M200LA	15	14,224	3.85	15,456	4.24	17,248	4.90	22,624	5.88	25,536	6.53	28,448	7.05
	20	13,664	4.18	14,784	4.57	16,352	5.29	21,840	6.33	24,640	7.05	27,440	7.57
	25	13,216	4.44	14,336	4.96	15,680	5.75	20,608	6.73	23,744	7.54	26,432	8.13
PEA-M250LA	15	17,145	4.83	18,630	5.32	20,790	6.14	27,270	7.36	30,780	8.18	34,290	8.84
	20	16,470	5.24	17,820	5.73	19,710	6.63	26,325	7.94	29,700	8.84	33,075	9.49
	25	15,930	5.56	17,280	6.22	18,900	7.20	24,840	8.43	28,620	9.45	31,860	10.19

Note: CA : Capacity (W) P.C. : Total power input (kW)

PEA-M•LA / PUHZ-P•YKA3

	Indoor intake air DB°C	-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEA-M200LA	15	14,224	3.96	15,456	4.36	17,248	5.03	22,624	6.04	25,536	6.71	28,448	7.24
	20	13,664	4.29	14,784	4.69	16,352	5.43	21,840	6.50	24,640	7.24	27,440	7.78
	25	13,216	4.56	14,336	5.10	15,680	5.90	20,608	6.91	23,744	7.75	26,432	8.35
PEA-M250LA	15	17,145	4.98	18,630	5.48	20,790	6.33	27,270	7.59	30,780	8.44	34,290	9.11
	20	16,470	5.40	17,820	5.91	19,710	6.83	26,325	8.18	29,700	9.11	33,075	9.79
	25	15,930	5.74	17,280	6.41	18,900	7.42	24,840	8.69	28,620	9.74	31,860	10.50

Note: CA : Capacity (W) P.C. : Total power input (kW)

PEAD-SM•JA(L) / SUZ-SA•VA3(2)

	Indoor intake air DB°C	Outdoor intake air WB°C															
		-15		-10		-5		0		5		10		15		20	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-SM71JA(L)	15	4,000	1.149	5,040	1.437	6,080	1.724	7,120	1.945	8,160	2.100	9,200	2.232	10,160	2.298	11,200	2.343
	20	3,760	1.224	4,800	1.547	5,760	1.834	6,800	2.033	7,760	2.188	8,800	2.298	9,760	2.365	10,760	2.453
	25	3,280	1.326	4,320	1.658	5,360	1.945	6,320	2.144	7,360	2.298	8,400	2.409	9,360	2.475	10,400	2.542
PEAD-SM100JA(L)	15	5,600	1.612	7,056	2.015	8,512	2.418	9,968	2.728	11,424	2.945	12,880	3.131	14,224	3.224	15,680	3.286
	20	5,264	1.717	6,720	2.170	8,064	2.573	9,520	2.852	10,864	3.069	12,320	3.224	13,664	3.317	15,064	3.441
	25	4,592	1.860	6,048	2.325	7,504	2.728	8,848	3.007	10,304	3.224	11,760	3.379	13,104	3.472	14,560	3.565

Note: CA : Capacity (W) P.C. : Total power input (kW)

PEAD-SM•JA(L) / PUHZ-SP•VKA PUHZ-SP•YKA

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-SM100JA(L)	15	7,112	1.78	7,728	1.96	8,624	2.27	11,312	2.72	12,768	3.02	14,224	3.26
	20	6,832	1.93	7,392	2.11	8,176	2.45	10,920	2.93	12,320	3.26	13,720	3.50
	25	6,608	2.05	7,168	2.30	7,840	2.66	10,304	3.11	11,872	3.49	13,216	3.76
PEAD-SM125JA(L)	15	8,573	2.27	9,315	2.50	10,395	2.88	13,635	3.46	15,390	3.84	17,145	4.15
	20	8,235	2.46	8,910	2.69	9,855	3.11	13,163	3.72	14,850	4.15	16,538	4.45
	25	7,965	2.61	8,640	2.92	9,450	3.38	12,420	3.96	14,310	4.44	15,930	4.78
PEAD-SM140JA(L)	15	9,525	2.59	10,350	2.85	11,550	3.29	15,150	3.95	17,100	4.39	19,050	4.74
	20	9,150	2.81	9,900	3.07	10,950	3.56	14,625	4.26	16,500	4.74	18,375	5.09
	25	8,850	2.99	9,600	3.34	10,500	3.86	13,800	4.52	15,900	5.07	17,700	5.47

Note: CA : Capacity (W) P.C. : Total power input (kW)

PEAD-M•JA(L) / PUHZ-FRP71VHA2

	Indoor intake air DB°C	Outdoor intake air WB°C											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-M71JA(L)	15	5,080	1.24	5,520	1.37	6,160	1.58	8,080	1.90	9,120	2.11	10,160	2.28
	20	4,880	1.35	5,280	1.48	5,840	1.71	7,800	2.05	8,800	2.28	9,800	2.45
	25	4,720	1.43	5,120	1.60	5,600	1.86	7,360	2.17	8,480	2.44	9,440	2.63

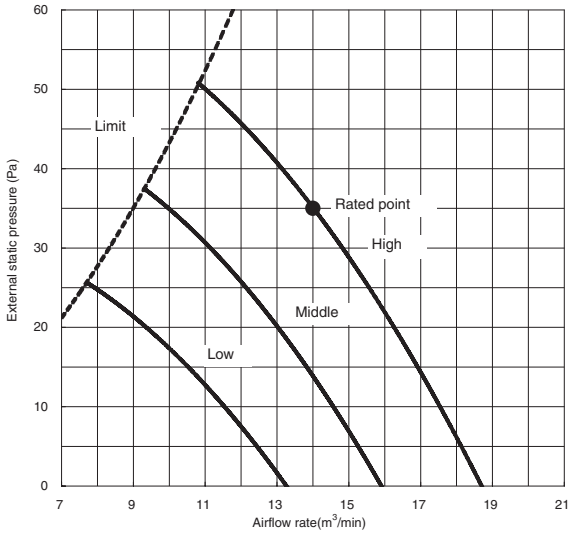
Note: CA : Capacity (W) P.C. : Total power input (kW)

A.6.6 FAN PERFORMANCE

A.6.6.1 PEAD-M·JA(L)

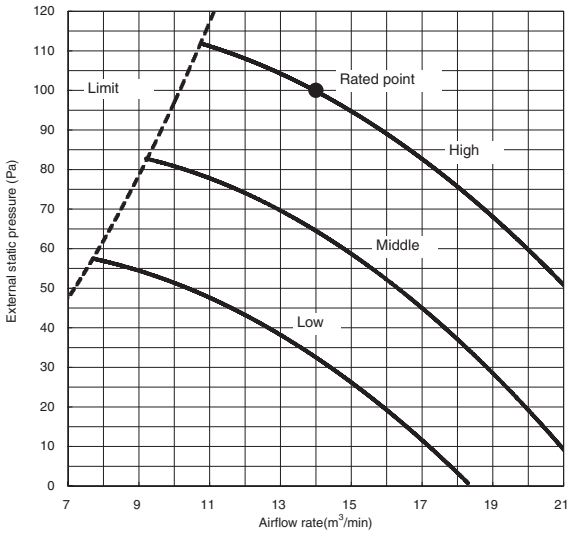
PEAD-M35JA(L)

(External static pressure 35Pa) 220-240V 50/60Hz



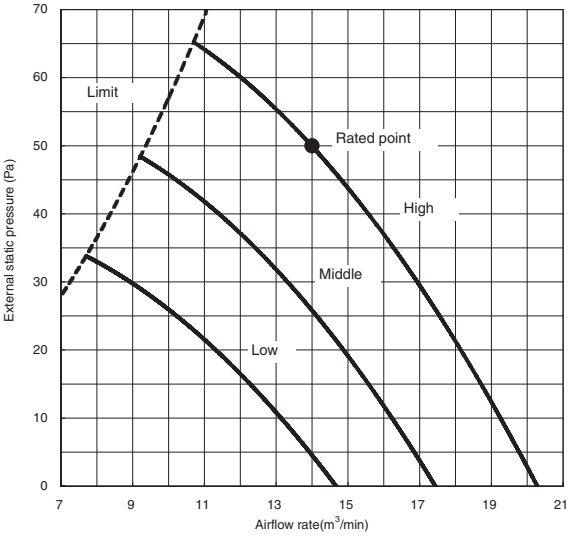
PEAD-M35JA(L)

(External static pressure 100Pa) 220-240V 50/60Hz



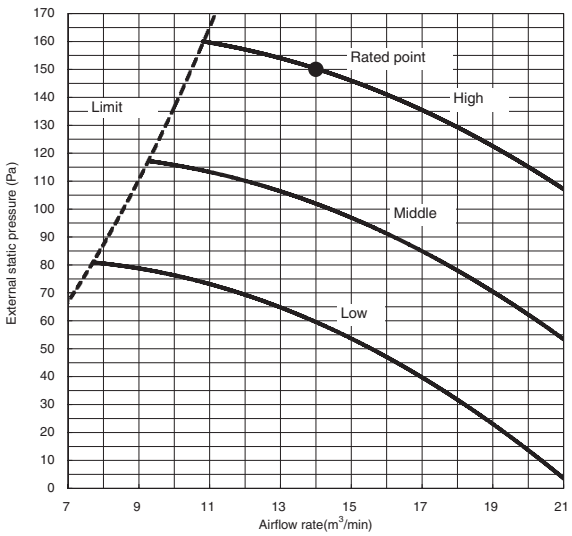
PEAD-M35JA(L)

(External static pressure 50Pa) 220-240V 50/60Hz



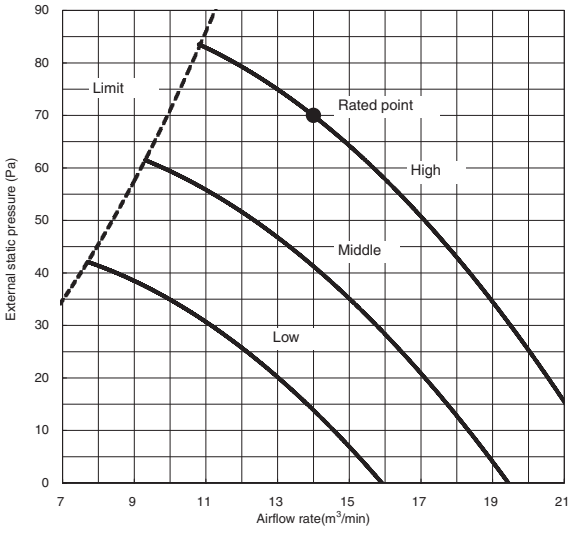
PEAD-M35JA(L)

(External static pressure 150Pa) 220-240V 50/60Hz

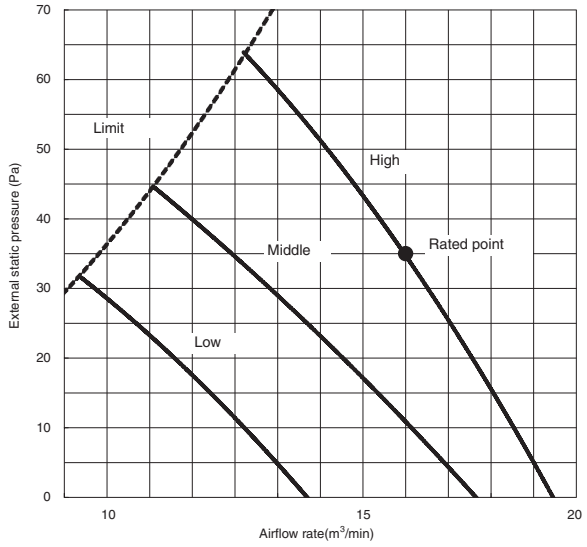


PEAD-M35JA(L)

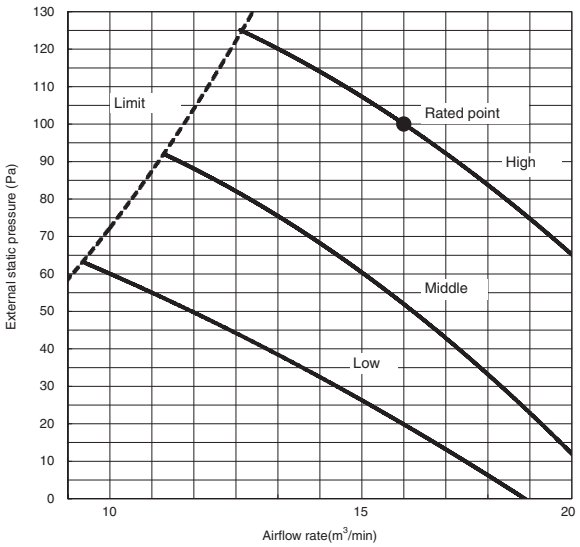
(External static pressure 70Pa) 220-240V 50/60Hz



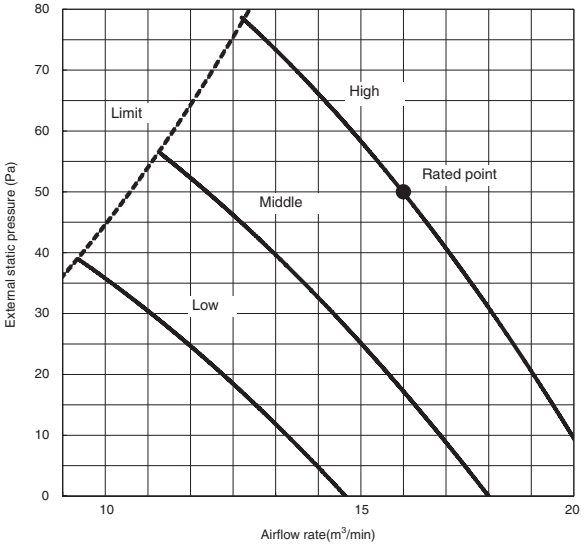
PEAD-M50JA(L)
(External static pressure 35Pa) 220-240V 50/60Hz



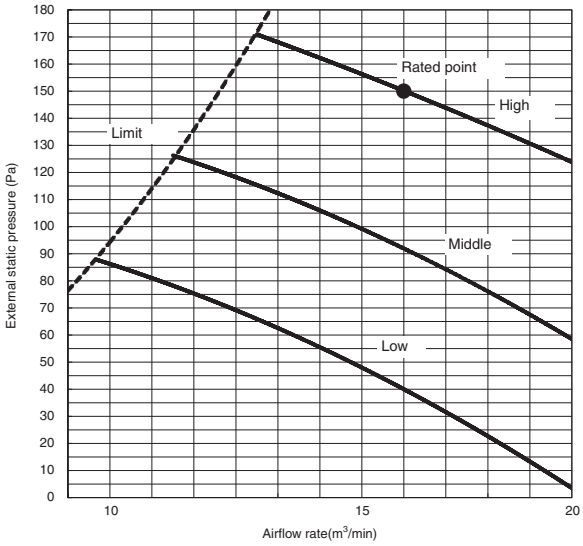
PEAD-M50JA(L)
(External static pressure 100Pa) 220-240V 50/60Hz



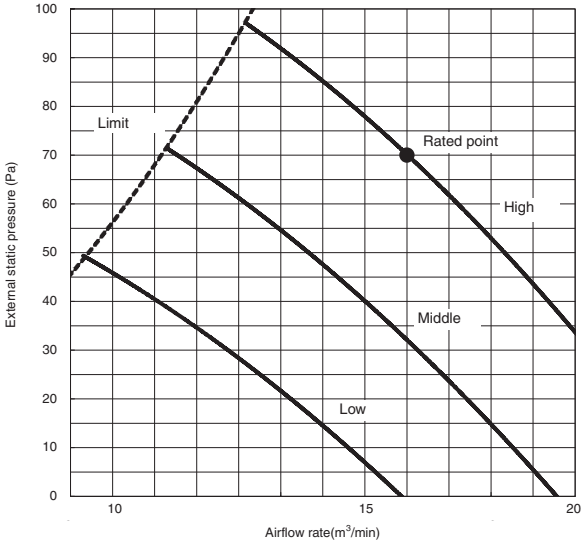
PEAD-M50JA(L)
(External static pressure 50Pa) 220-240V 50/60Hz



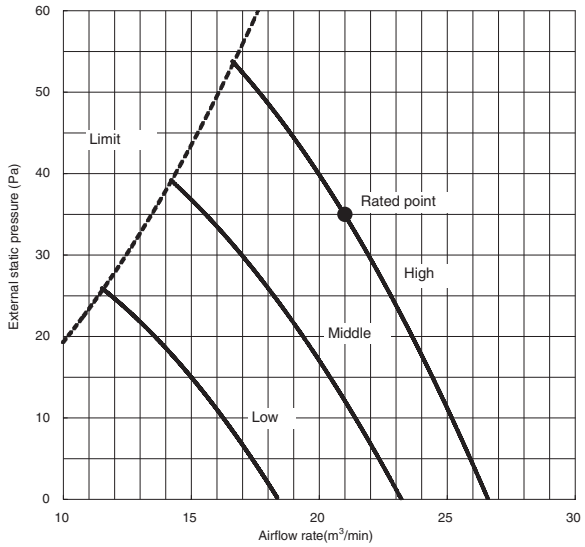
PEAD-M50JA(L)
(External static pressure 150Pa) 220-240V 50/60Hz



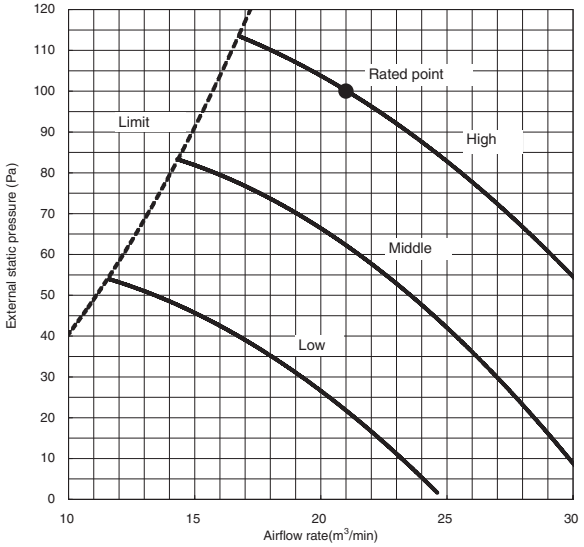
PEAD-M50JA(L)
(External static pressure 70Pa) 220-240V 50/60Hz



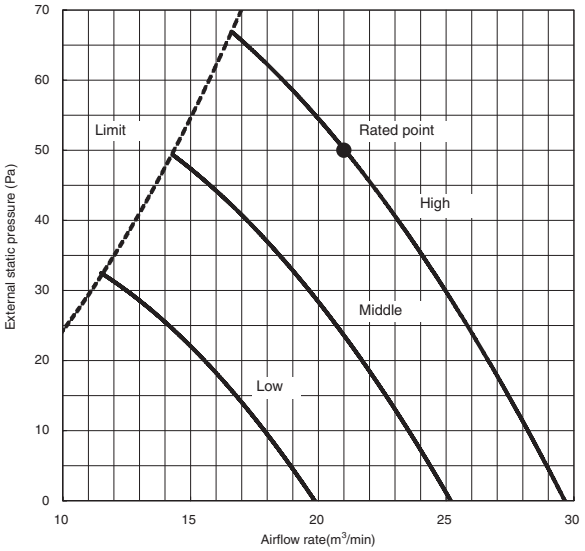
PEAD-M60JA(L)
(External static pressure 35Pa) 220-240V 50/60Hz



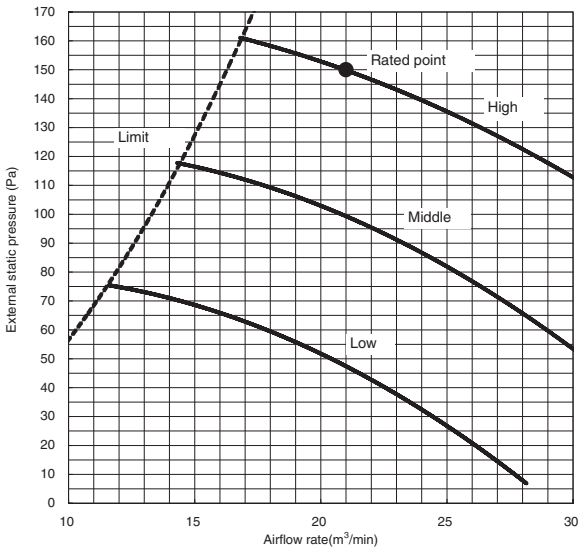
PEAD-M60JA(L)
(External static pressure 100Pa) 220-240V 50/60Hz



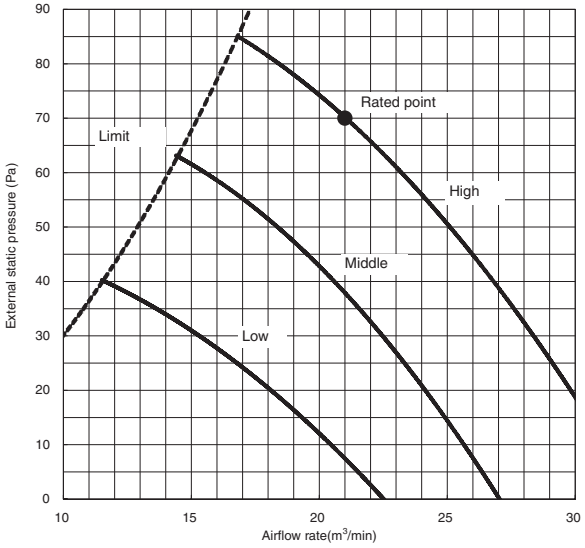
PEAD-M60JA(L)
(External static pressure 50Pa) 220-240V 50/60Hz



PEAD-M60JA(L)
(External static pressure 150Pa) 220-240V 50/60Hz

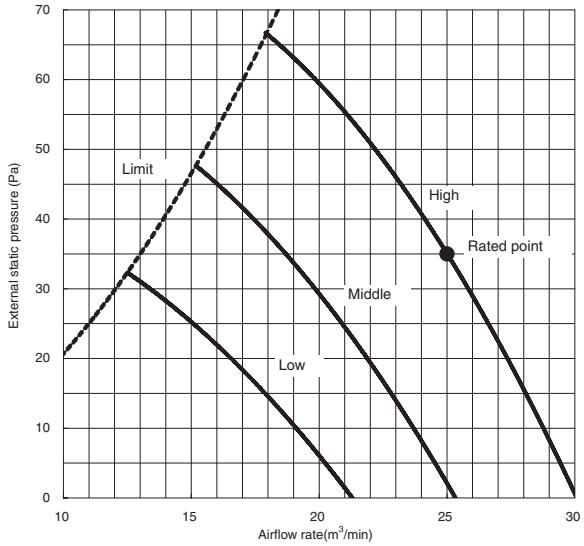


PEAD-M60JA(L)
(External static pressure 70Pa) 220-240V 50/60Hz



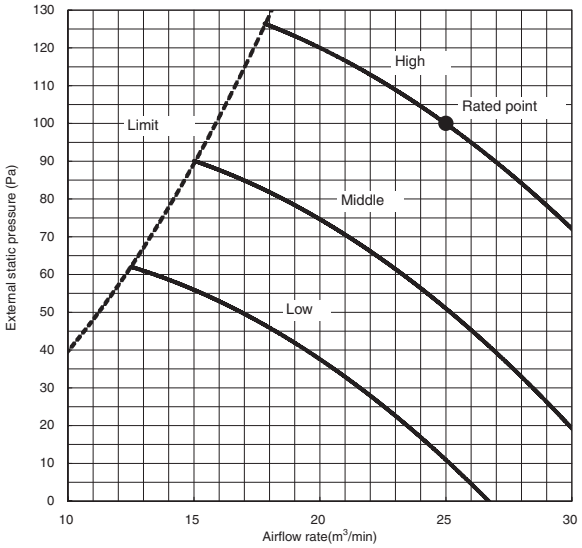
PEAD-M71JA(L)
PEAD-SM71JA(L)

(External static pressure 35Pa) 220-240V 50/60Hz



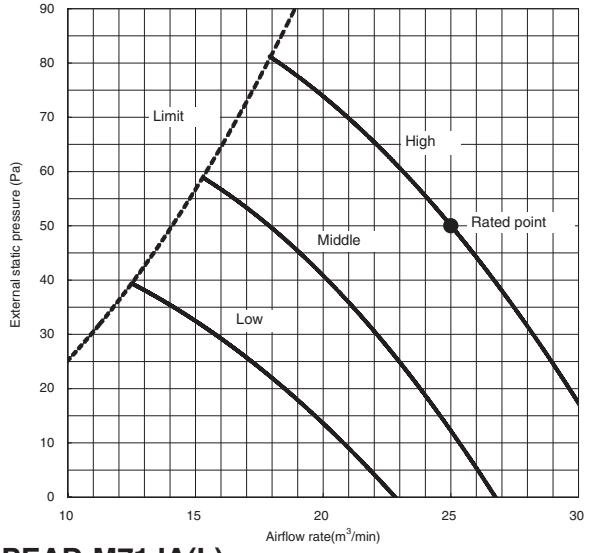
PEAD-M71JA(L)
PEAD-SM71JA(L)

(External static pressure 100Pa) 220-240V 50/60Hz



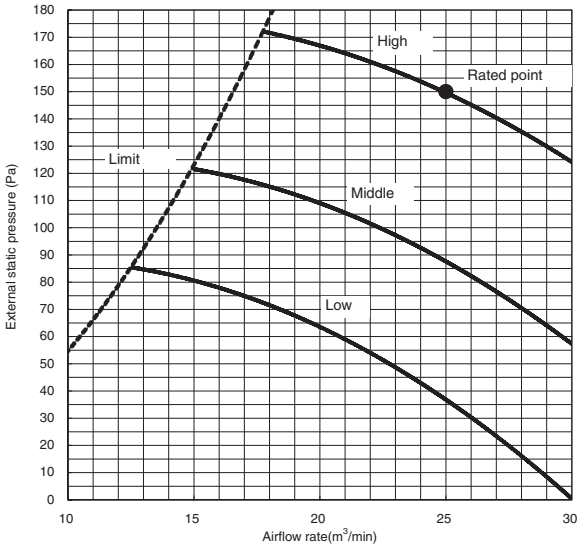
PEAD-M71JA(L)
PEAD-SM71JA(L)

(External static pressure 50Pa) 220-240V 50/60Hz



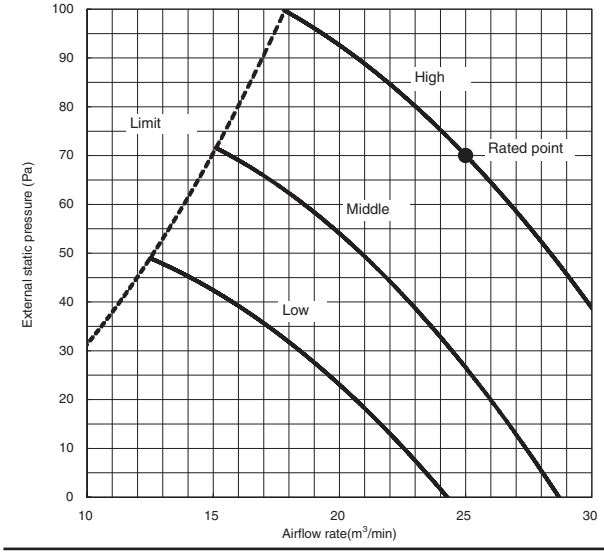
PEAD-RP71JA(L)
PEAD-SM71JA(L)

(External static pressure 150Pa) 220-240V 50/60Hz

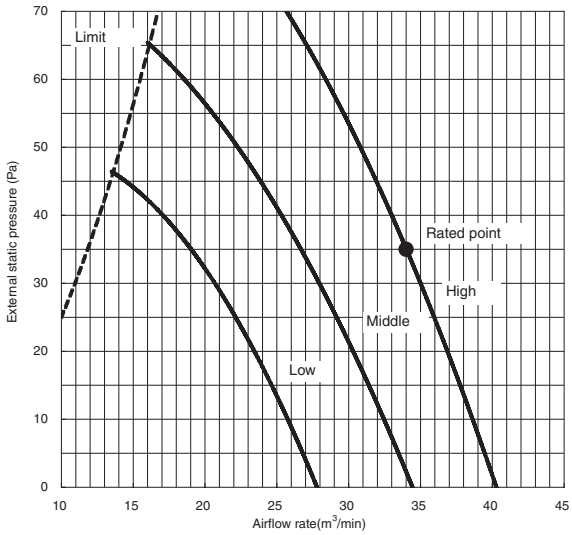


PEAD-M71JA(L)
PEAD-SM71JA(L)

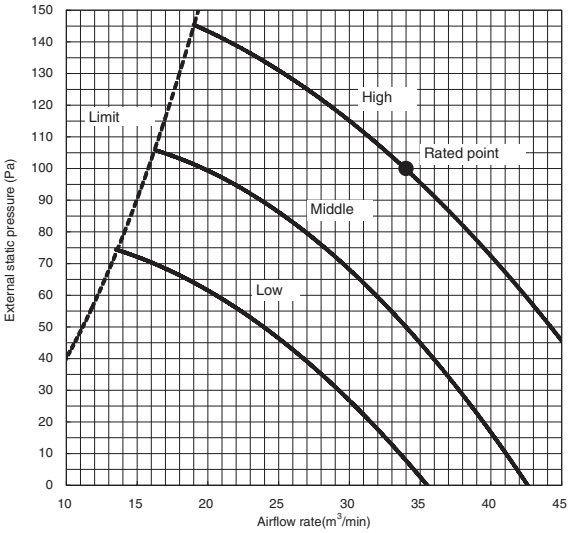
(External static pressure 70Pa) 220-240V 50/60Hz



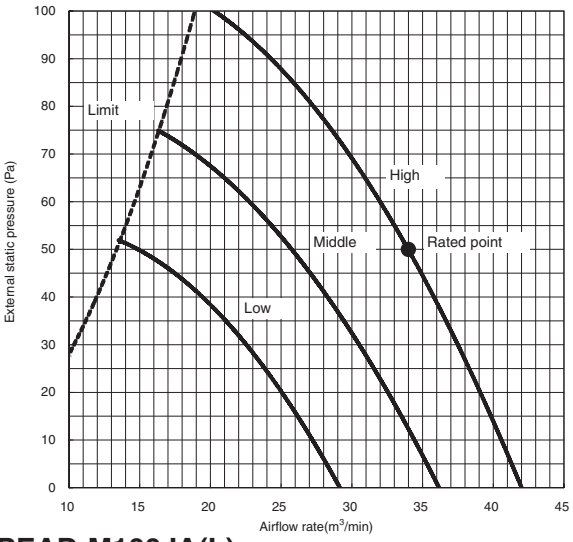
PEAD-M100JA(L)
PEAD-SM100JA(L)
(External static pressure 35Pa) 220-240V 50/60Hz



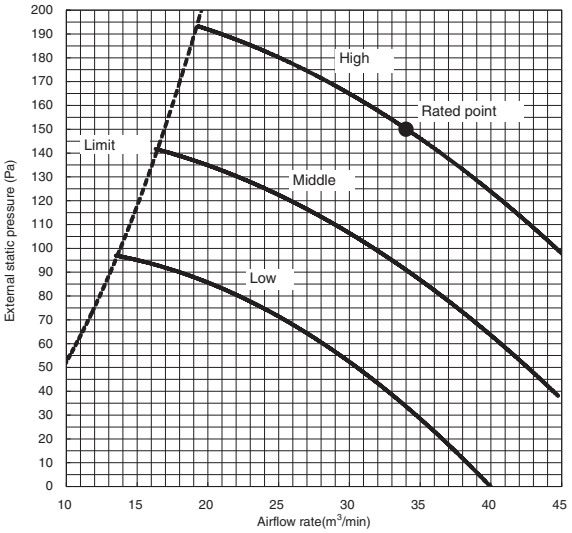
PEAD-M100JA(L)
PEAD-SM100JA(L)
(External static pressure 100Pa) 220-240V 50/60Hz



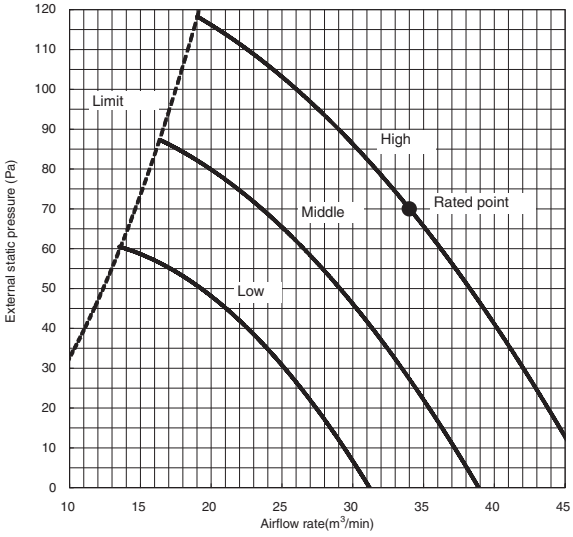
PEAD-M100JA(L)
PEAD-SM100JA(L)
(External static pressure 50Pa) 220-240V 50/60Hz



PEAD-M100JA(L)
PEAD-SM100JA(L)
(External static pressure 150Pa) 220-240V 50/60Hz

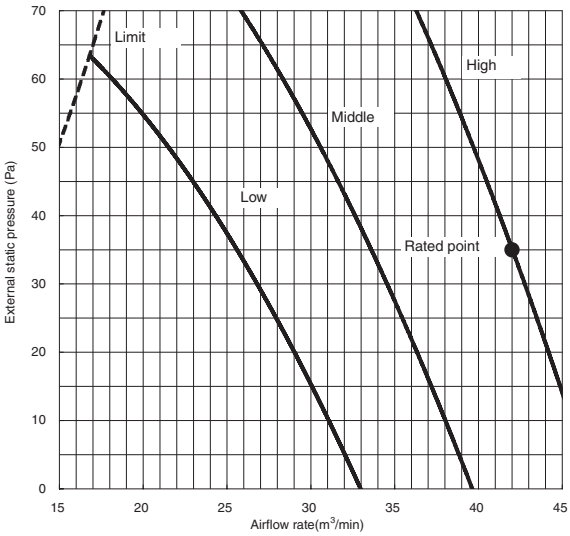


PEAD-M100JA(L)
PEAD-SM100JA(L)
(External static pressure 70Pa) 220-240V 50/60Hz



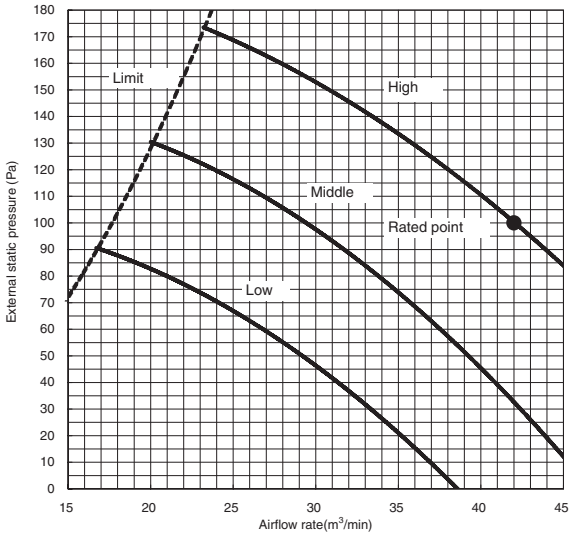
PEAD-M125JA(L)
PEAD-SM125JA(L)

(External static pressure 35Pa) 220-240V 50/60Hz



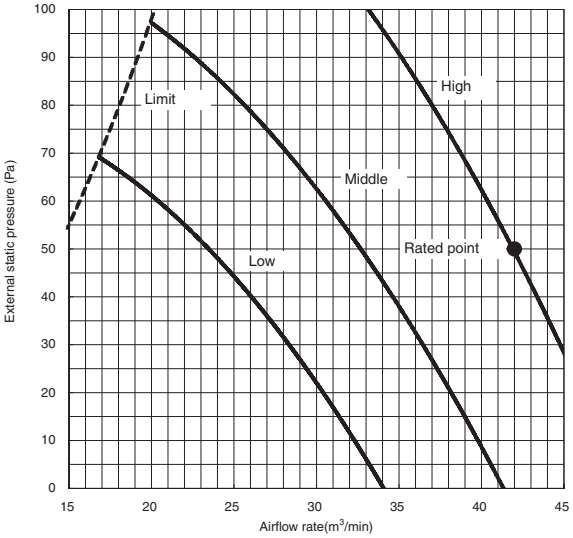
PEAD-M125JA(L)
PEAD-SM125JA(L)

(External static pressure 100Pa) 220-240V 50/60Hz



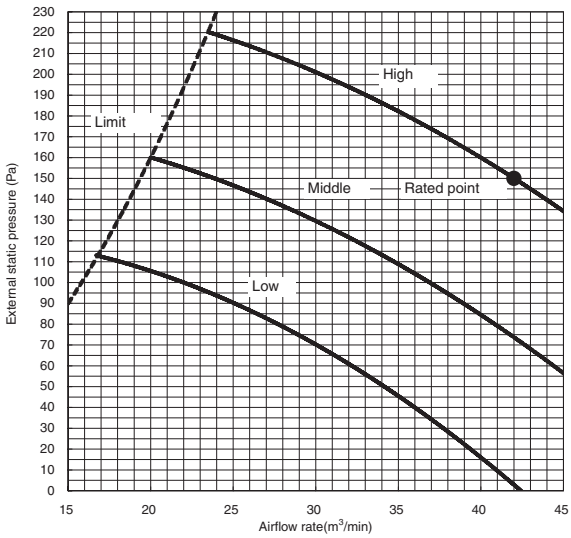
PEAD-M125JA(L)
PEAD-SM125JA(L)

(External static pressure 50Pa) 220-240V 50/60Hz



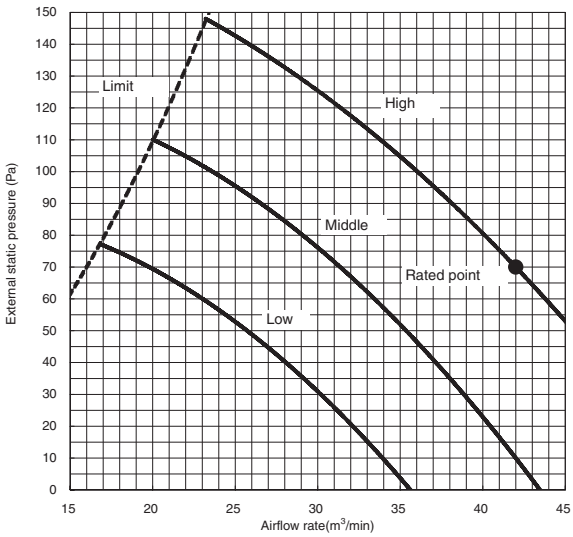
PEAD-M125JA(L)
PEAD-SM125JA(L)

(External static pressure 150Pa) 220-240V 50/60Hz



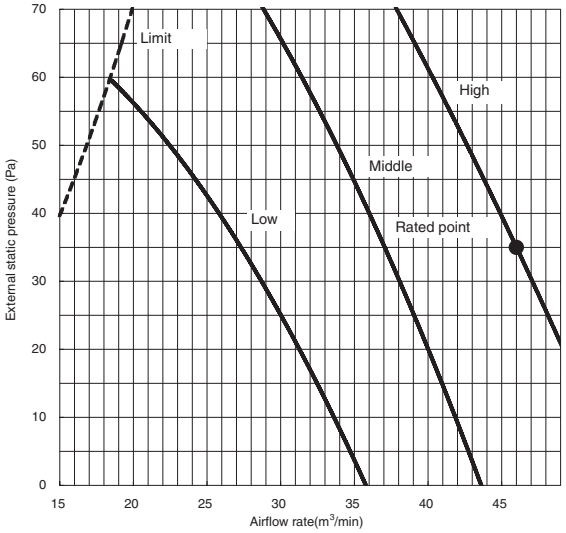
PEAD-M125JA(L)
PEAD-SM125JA(L)

(External static pressure 70Pa) 220-240V 50/60Hz



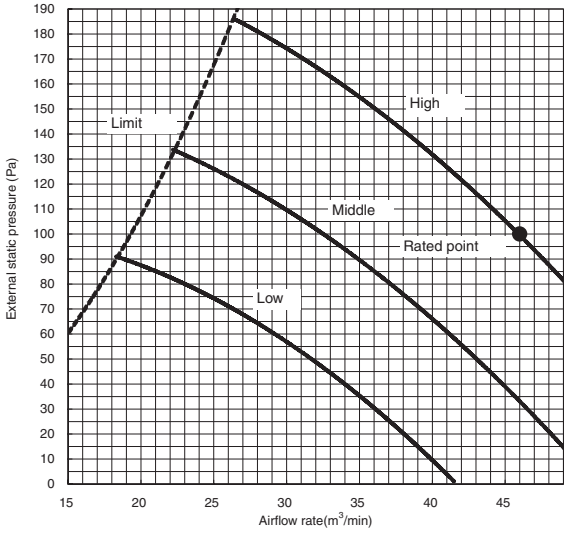
PEAD-M140JA(L)
PEAD-SM140JA(L)

(External static pressure 35Pa) 220-240V 50/60Hz



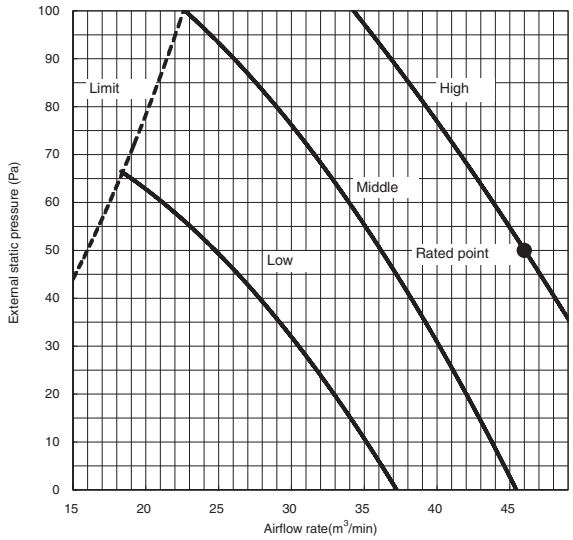
PEAD-M140JA(L)
PEAD-SM140JA(L)

(External static pressure 100Pa) 220-240V 50/60Hz



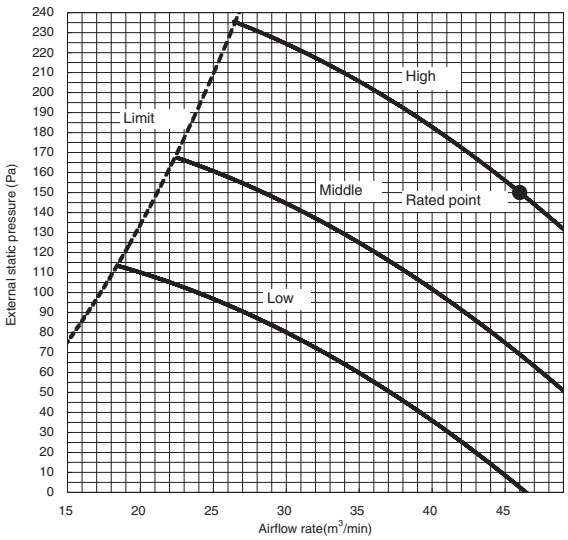
PEAD-M140JA(L)
PEAD-SM140JA(L)

(External static pressure 50Pa) 220-240V 50/60Hz



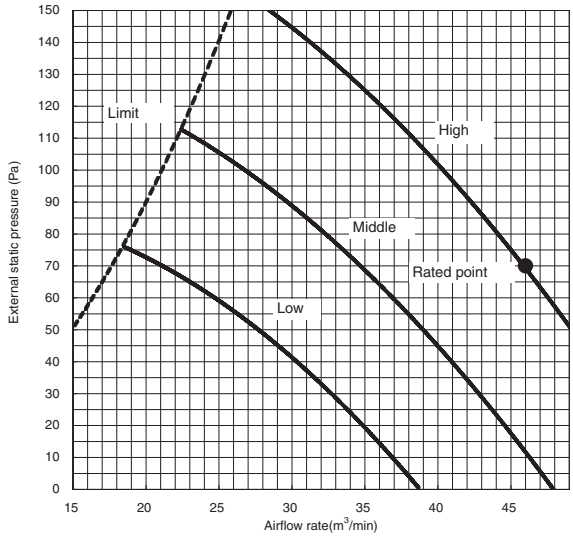
PEAD-M140JA(L)
PEAD-SM140JA(L)

(External static pressure 150Pa) 220-240V 50/60Hz



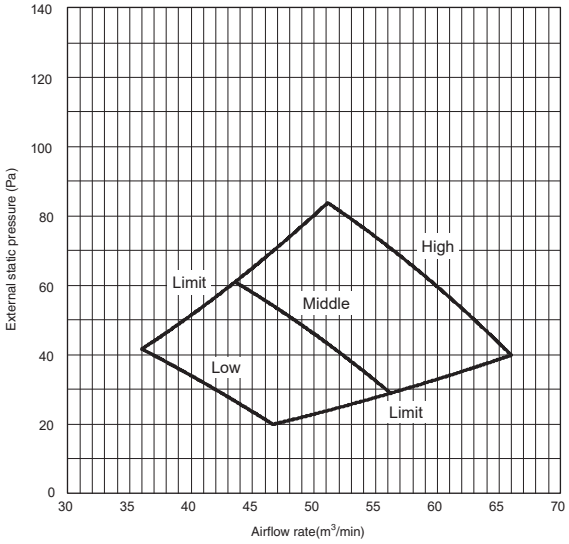
PEAD-M140JA(L)
PEAD-SM140JA(L)

(External static pressure 70Pa) 220-240V 50/60Hz

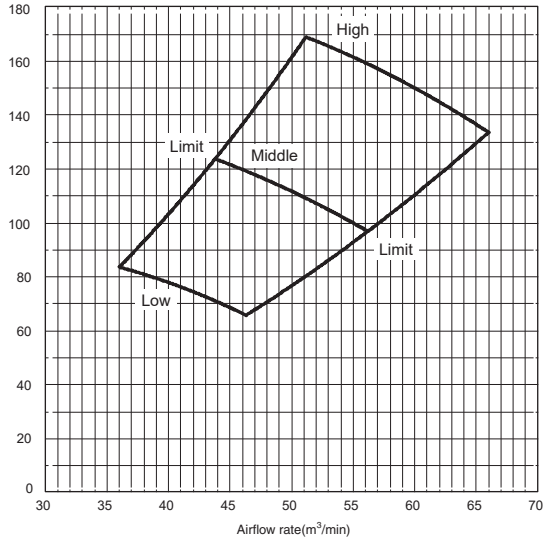


A.6.6.2 PEA-M·LA

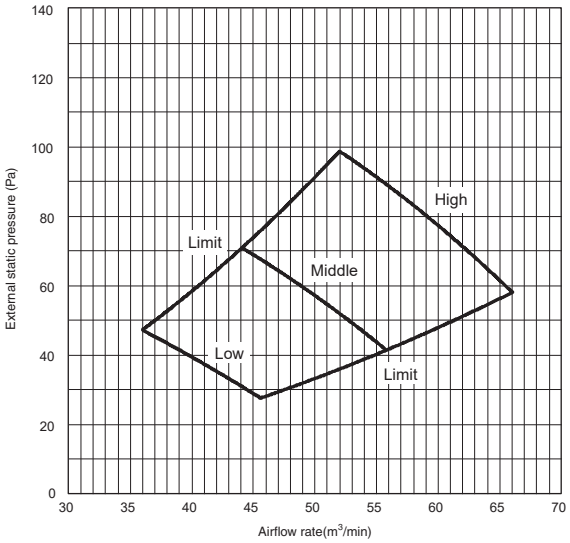
PEA-M200LA
(External static pressure 60Pa) 220-240V 50Hz



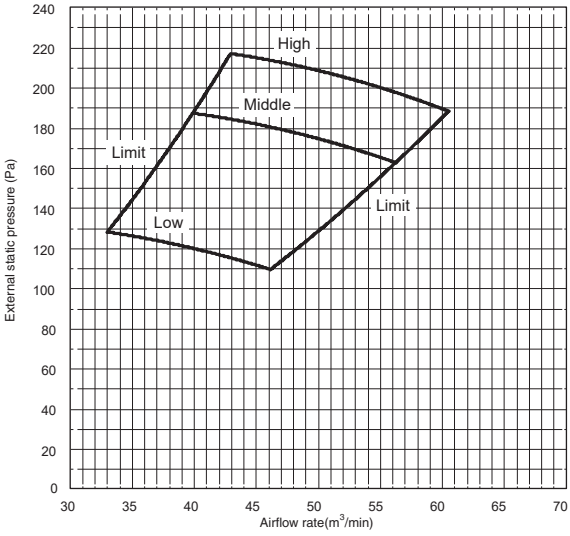
PEA-M200LA
(External static pressure 150Pa) 220-240V 50Hz



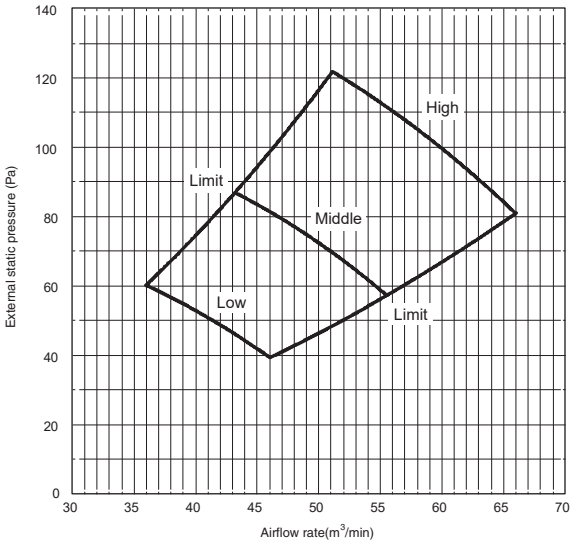
PEA-M200LA
(External static pressure 75Pa) 220-240V 50Hz



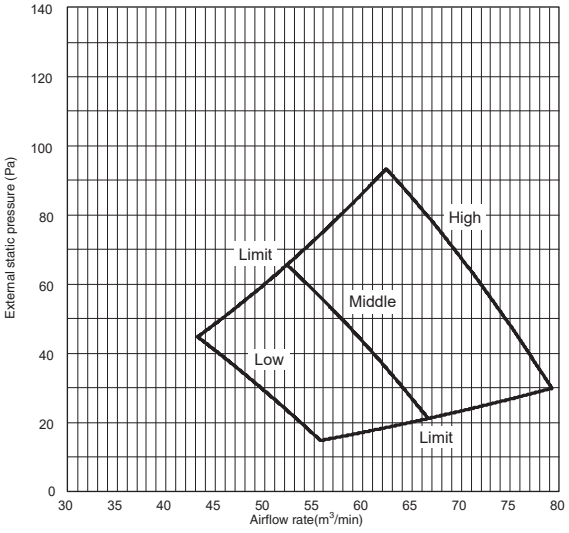
PEA-M200LA
(External static pressure 200Pa) 220-240V 50Hz



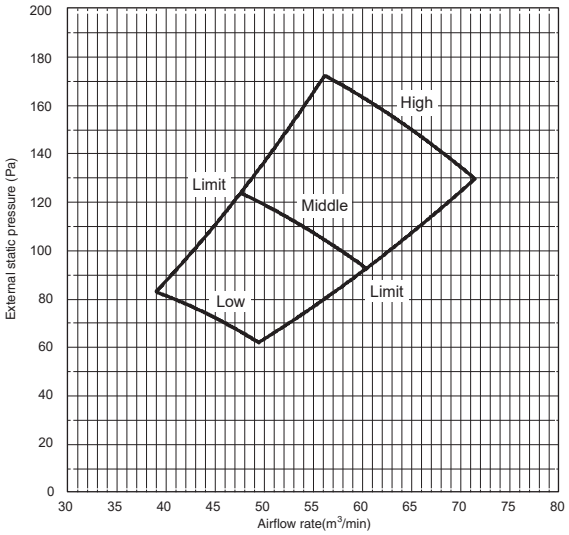
PEA-M200LA
(External static pressure 100Pa) 220-240V 50Hz



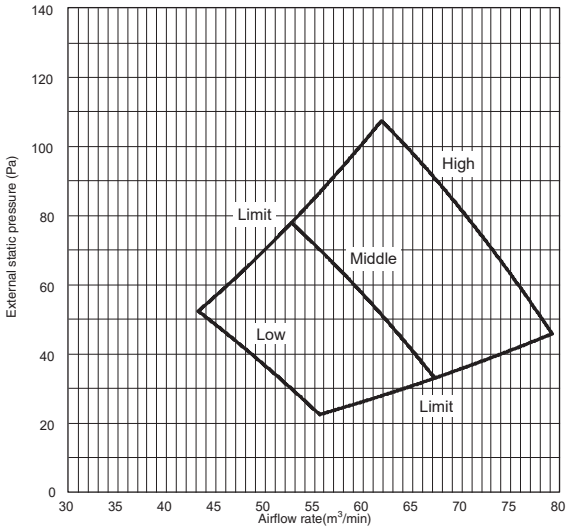
PEA-M250LA
(External static pressure 60Pa) 220-240V 50Hz



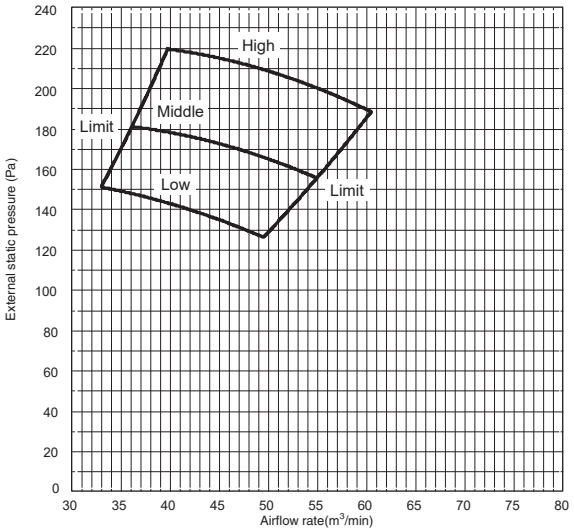
PEA-M250LA
(External static pressure 150Pa) 220-240V 50Hz



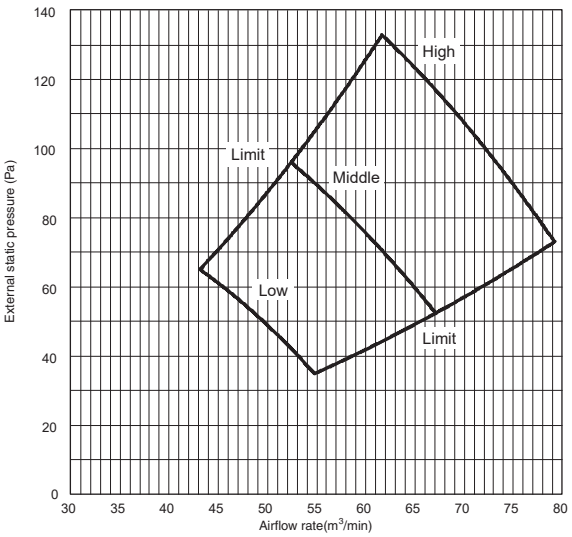
PEA-M250LA
(External static pressure 75Pa) 220-240V 50Hz



PEA-M250LA
(External static pressure 200Pa) 220-240V 50Hz



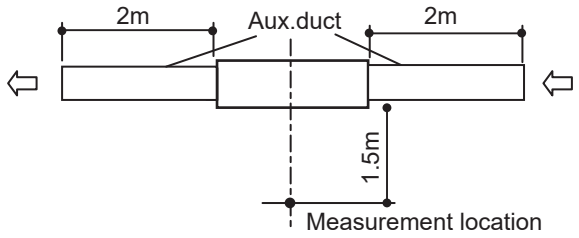
PEA-M250LA
(External static pressure 100Pa) 220-240V 50Hz



A.6.7 NOISE CRITERIA CURVES

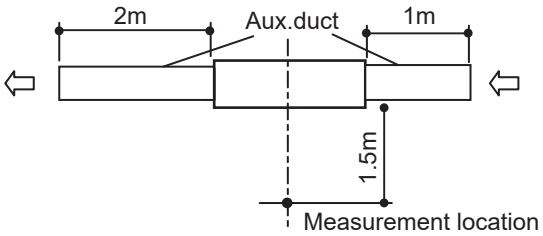
PEAD-M·JA(L)
PEAD-SM·JA(L)

Ceiling concealed



PEA-M·LA

Ceiling concealed



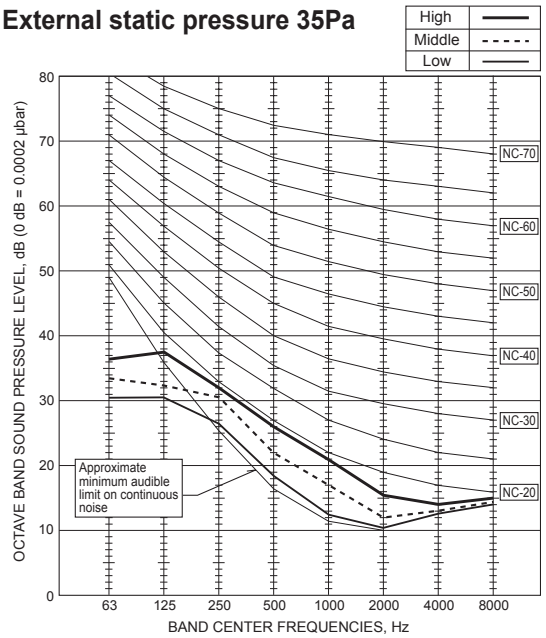
Noise level at anechoic room (Low-Middle-High) Unit:dB(A)

Model	Exrernal static pressure				
	35Pa	50Pa	70Pa	100Pa	150Pa
PEAD-M35JA(L)	23-26-29	23-27-30	24-28-31	26-29-33	29-33-37
PEAD-M50JA(L)	25-30-34	26-31-35	28-32-36	29-33-37	31-35-39
PEAD-M60JA(L)	25-28-32	25-29-33	26-30-34	27-31-35	29-34-38
PEAD-M71JA(L) PEAD-SM71JA(L)	25-29-34	26-30-34	27-31-35	28-32-36	30-35-39
PEAD-M100JA(L) PEAD-SM100JA(L)	28-33-38	29-34-38	30-35-39	31-36-40	34-40-43
PEAD-M125JA(L) PEAD-SM125JA(L)	31-36-40	33-36-40	33-37-41	34-39-42	37-41-45
PEAD-M140JA(L) PEAD-SM140JA(L)	33-37-43	34-38-43	34-39-44	36-40-45	38-42-46

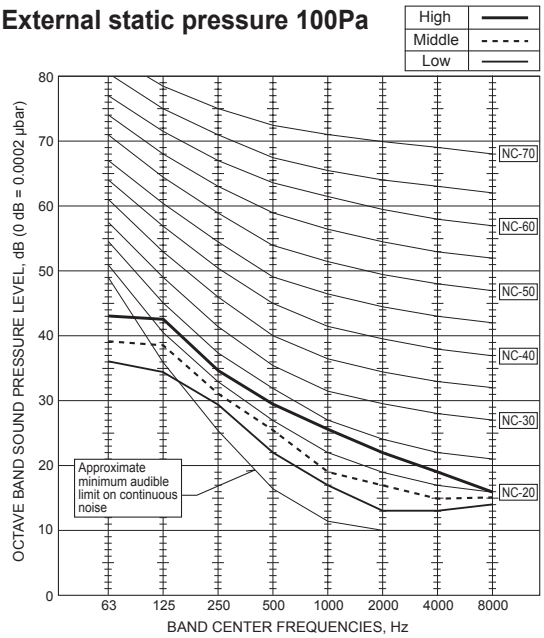
Model	Exrernal static pressure				
	60Pa	75Pa	100Pa	150Pa	200Pa
PEA-M200LA	34-39-43	35-40-43	36-41-44	39-43-47	41-46-47
PEA-M250LA	37-42-45	38-43-47	39-43-47	39-44-47	43-45-47

PEAD-M35JA(L)

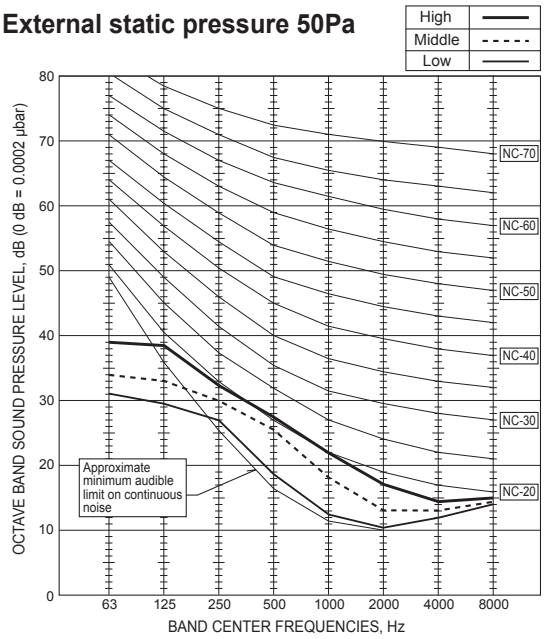
External static pressure 35Pa



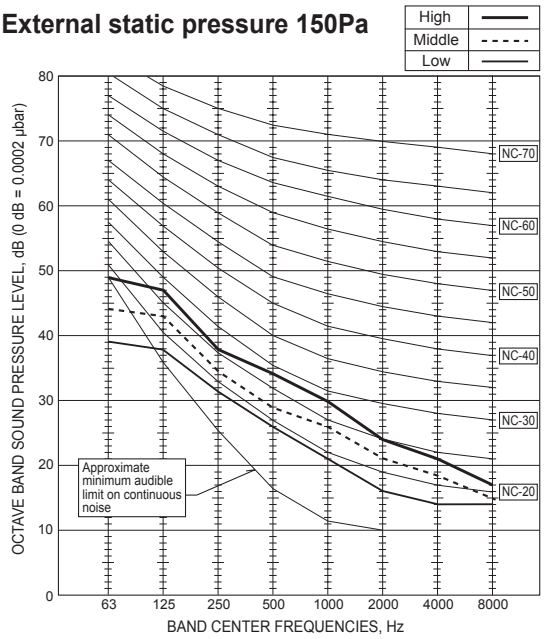
External static pressure 100Pa



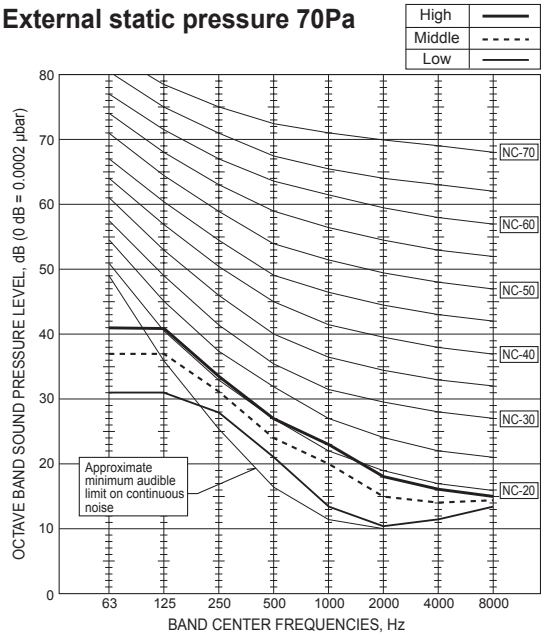
External static pressure 50Pa



External static pressure 150Pa

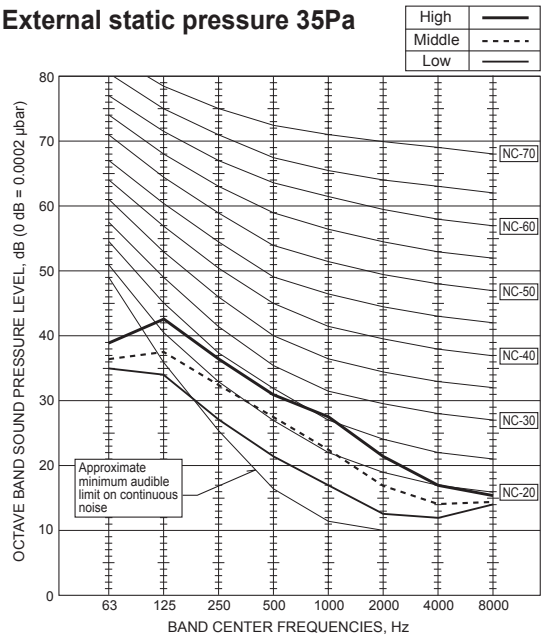


External static pressure 70Pa

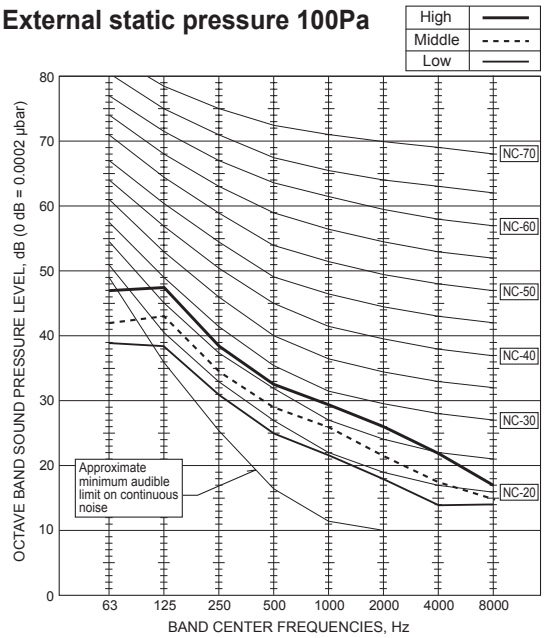


PEAD-M50JA(L)

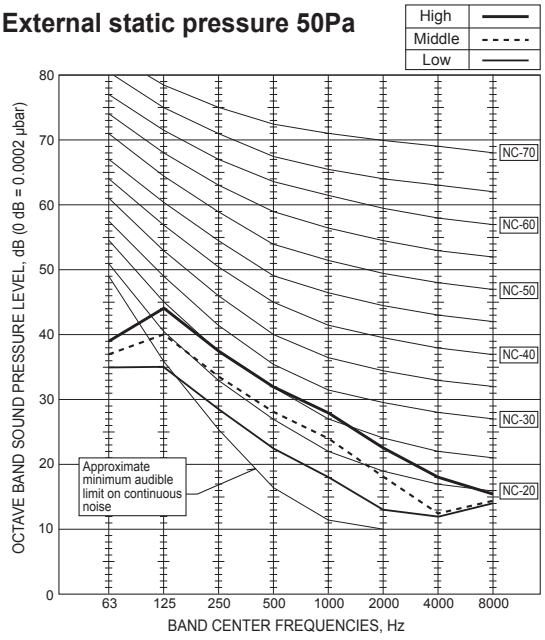
External static pressure 35Pa



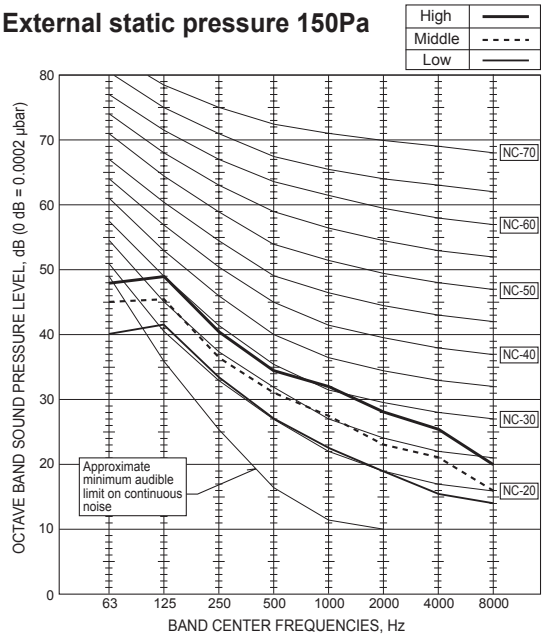
External static pressure 100Pa



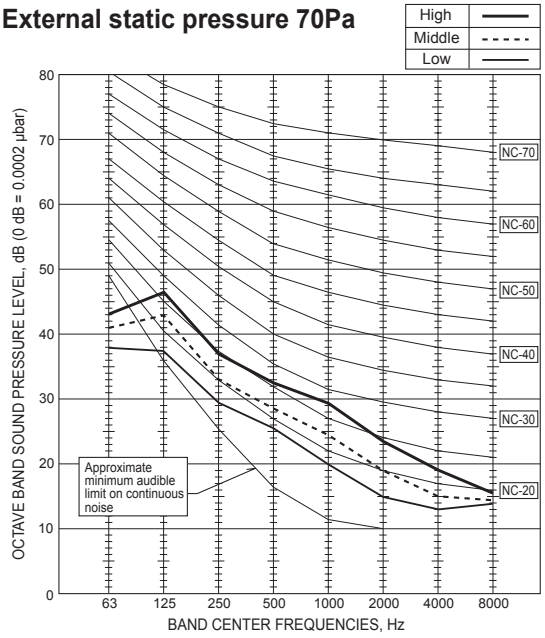
External static pressure 50Pa



External static pressure 150Pa

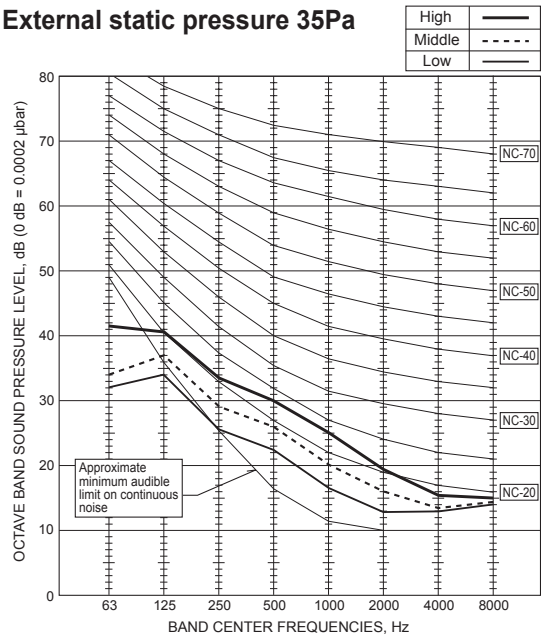


External static pressure 70Pa

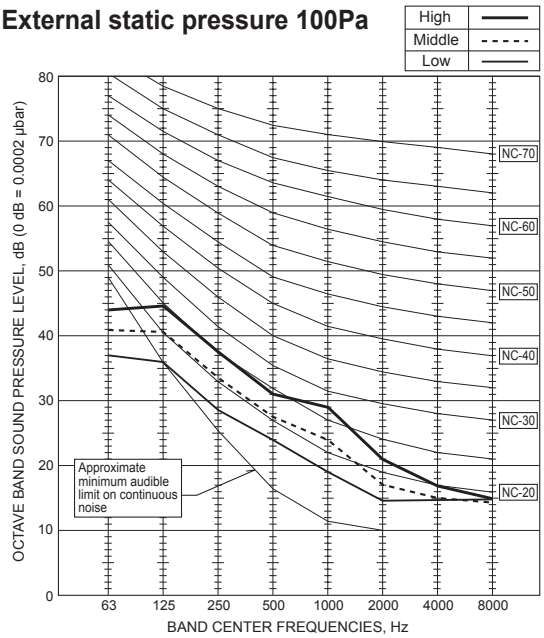


PEAD-M60JA(L)

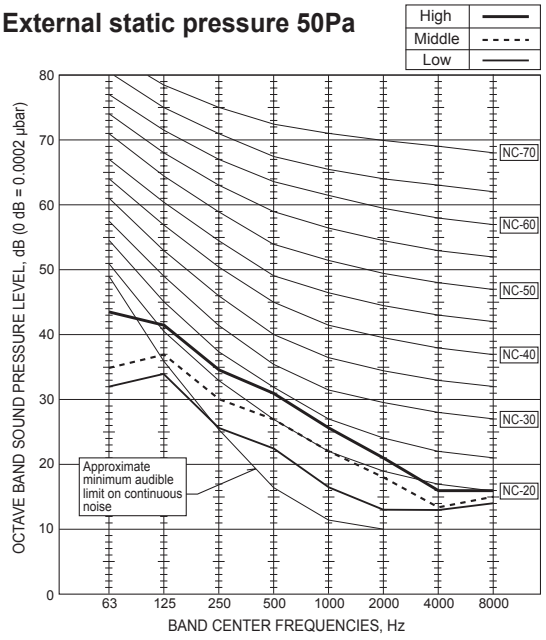
External static pressure 35Pa



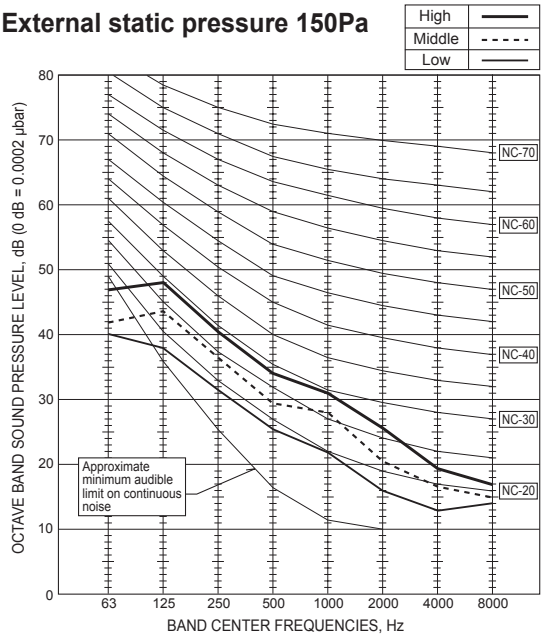
External static pressure 100Pa



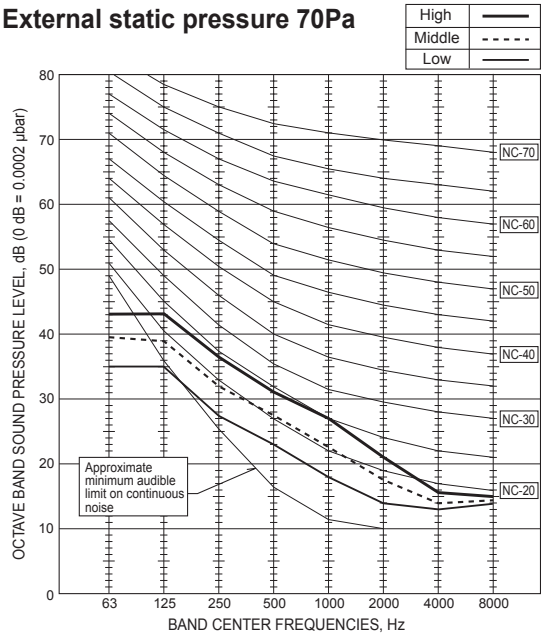
External static pressure 50Pa



External static pressure 150Pa

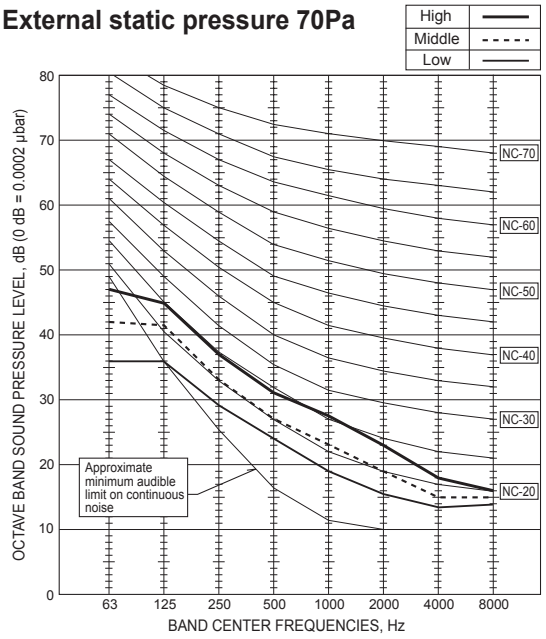


External static pressure 70Pa

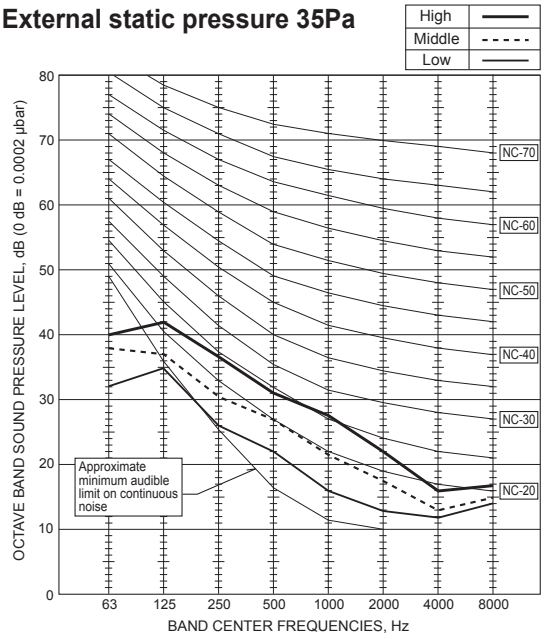


PEAD-M71JA
PEAD-M71JAL
PEAD-SM71JA
PEAD-SM71JAL

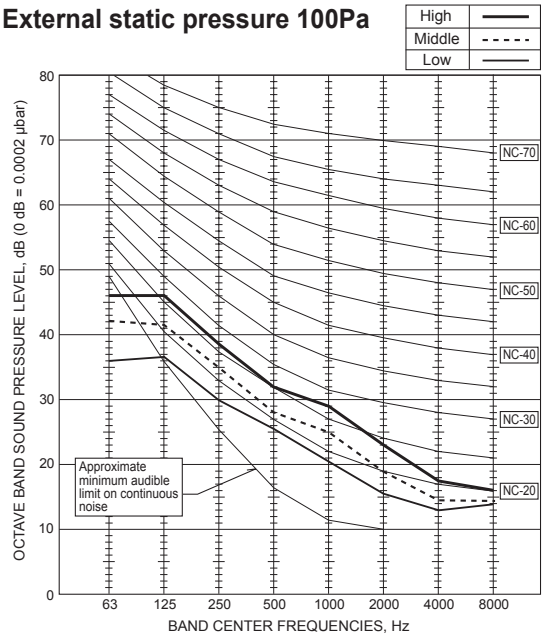
External static pressure 70Pa



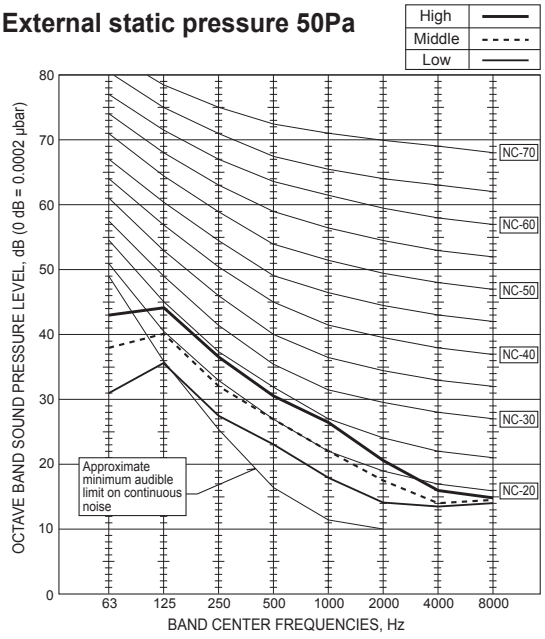
External static pressure 35Pa



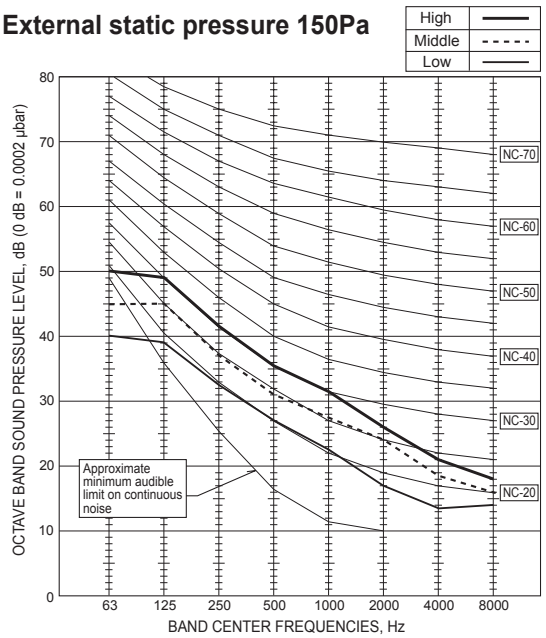
External static pressure 100Pa



External static pressure 50Pa

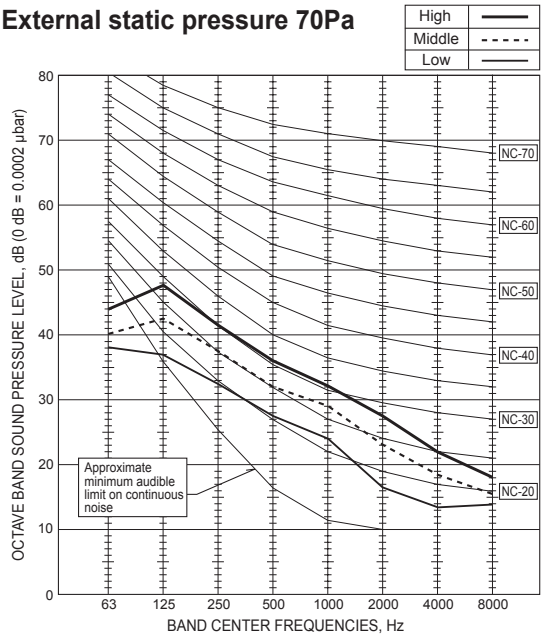


External static pressure 150Pa

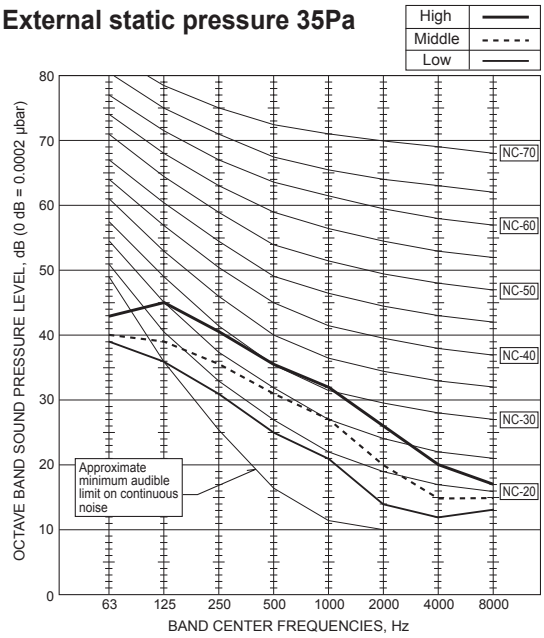


PEAD-M100JA
PEAD-M100JAL
PEAD-SM100JA
PEAD-SM100JAL

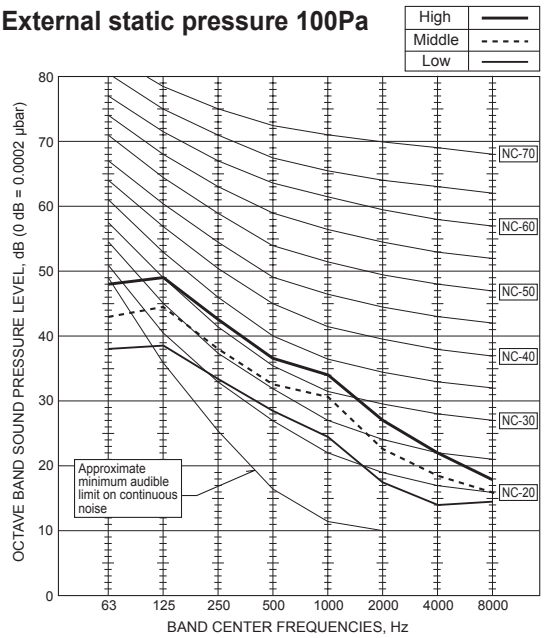
External static pressure 70Pa



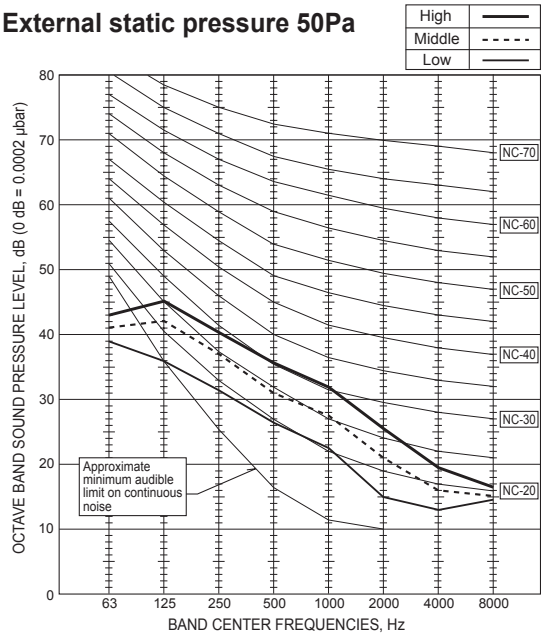
External static pressure 35Pa



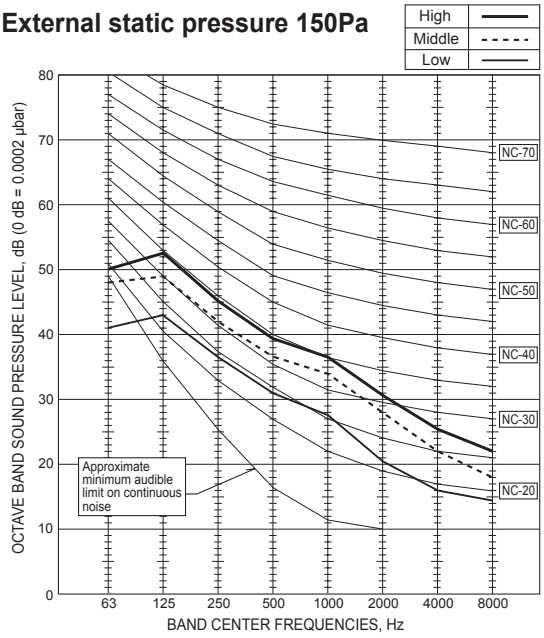
External static pressure 100Pa



External static pressure 50Pa

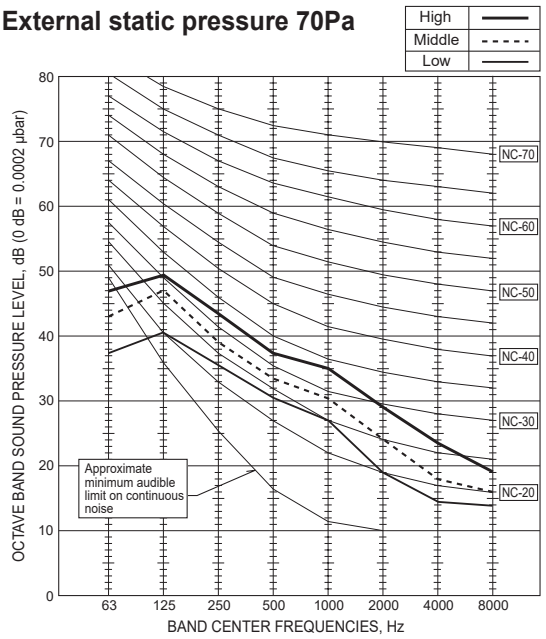


External static pressure 150Pa

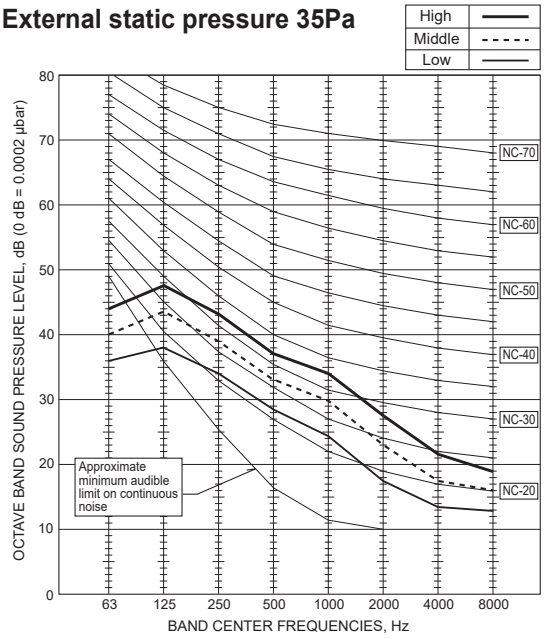


PEAD-M125JA
PEAD-M125JAL
PEAD-SM125JA
PEAD-SM125JAL

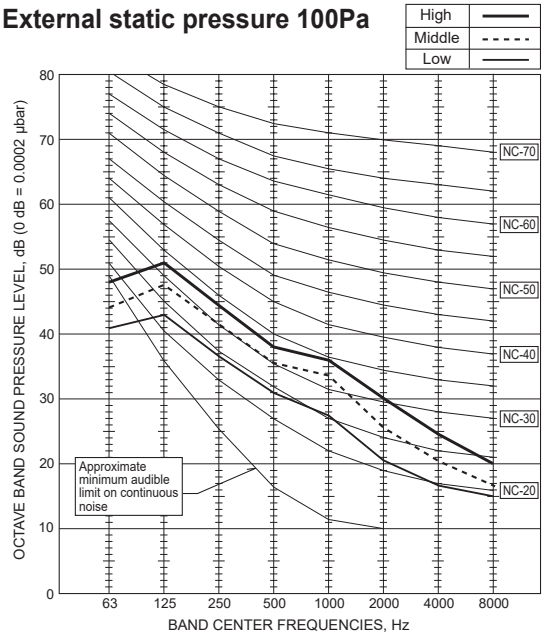
External static pressure 70Pa



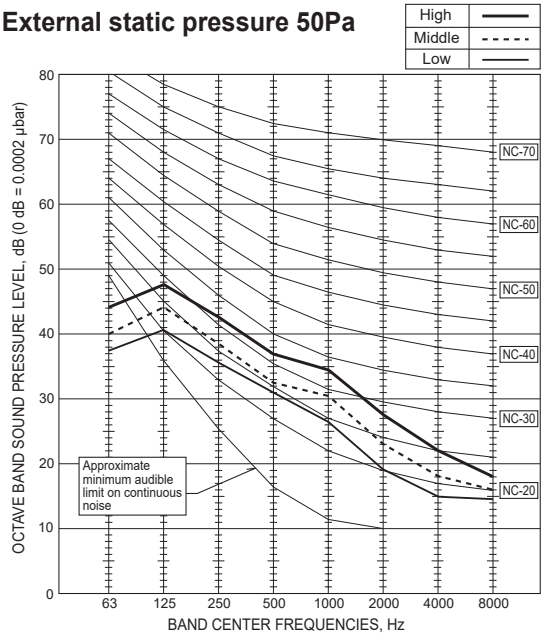
External static pressure 35Pa



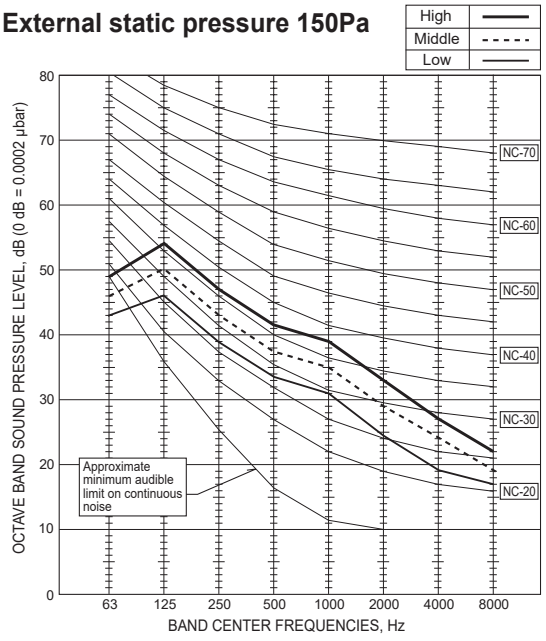
External static pressure 100Pa



External static pressure 50Pa

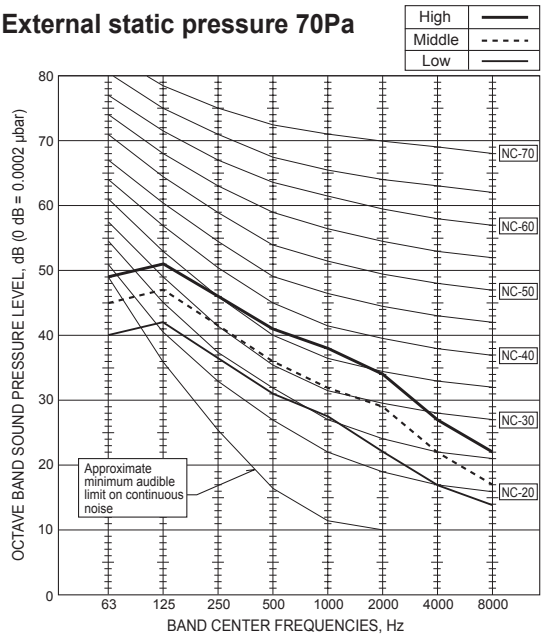


External static pressure 150Pa

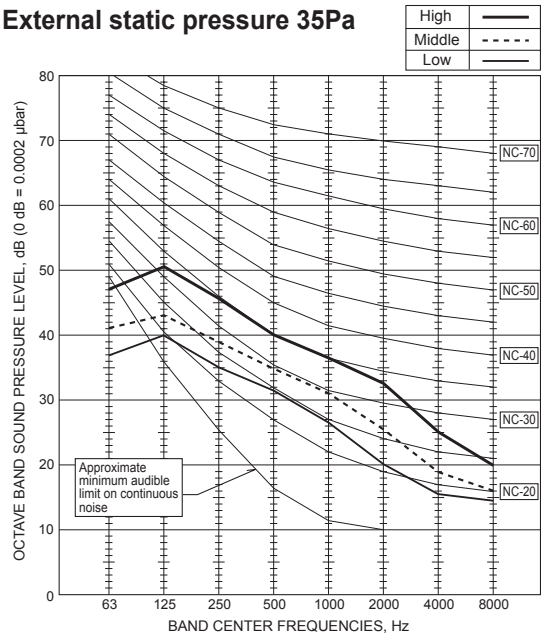


PEAD-M140JA
PEAD-M140JAL
PEAD-SM140JA
PEAD-SM140JAL

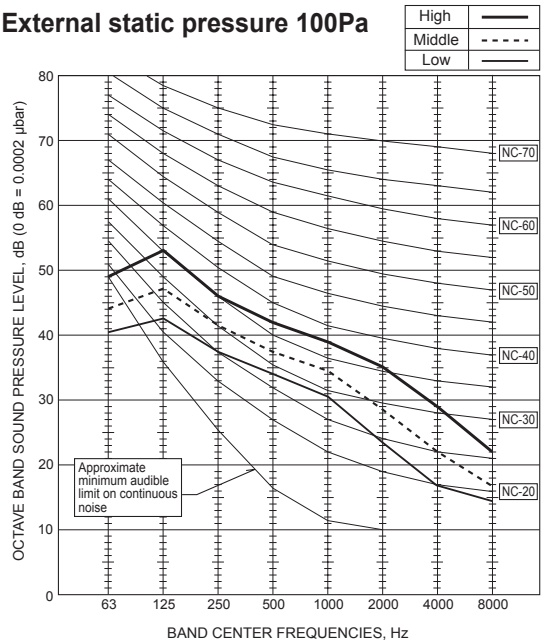
External static pressure 70Pa



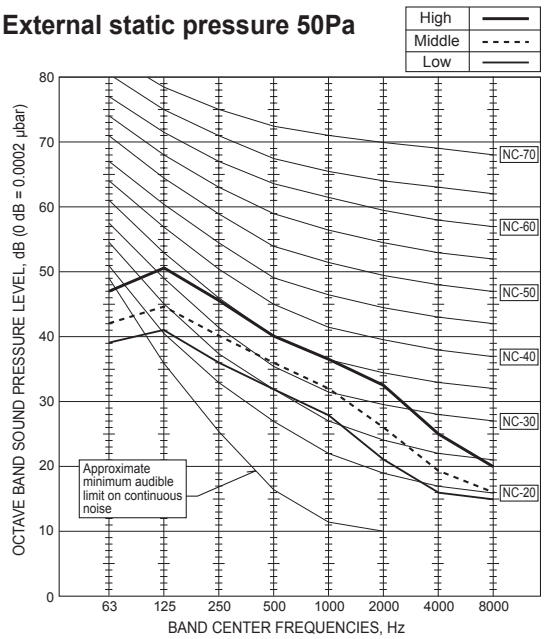
External static pressure 35Pa



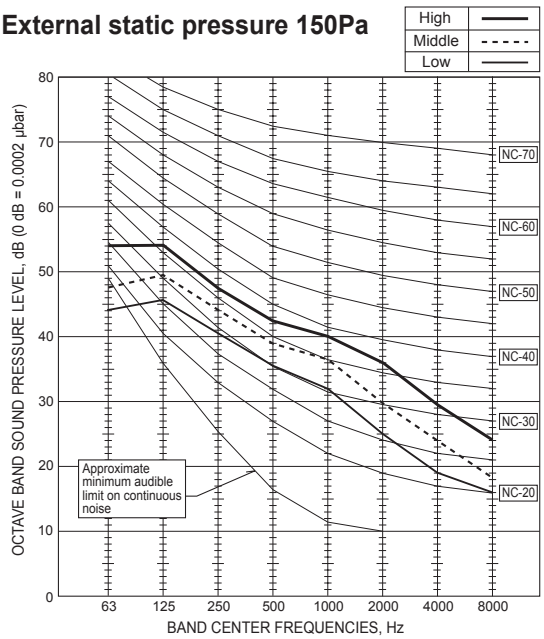
External static pressure 100Pa



External static pressure 50Pa

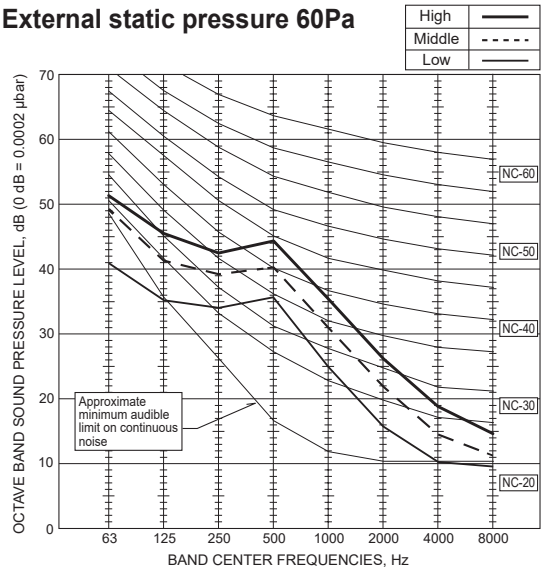


External static pressure 150Pa

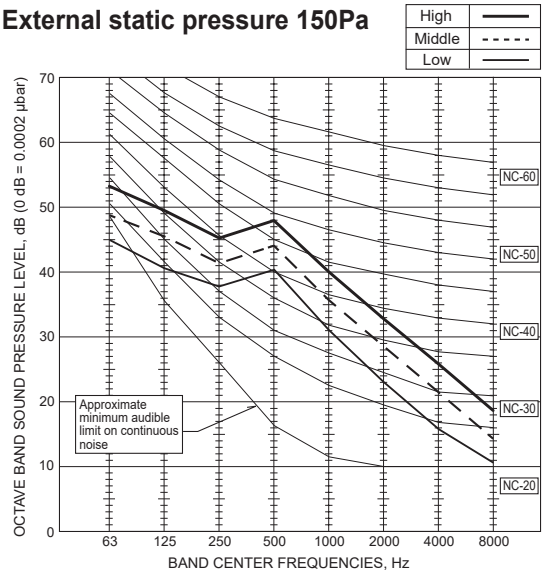


PEA-M200LA

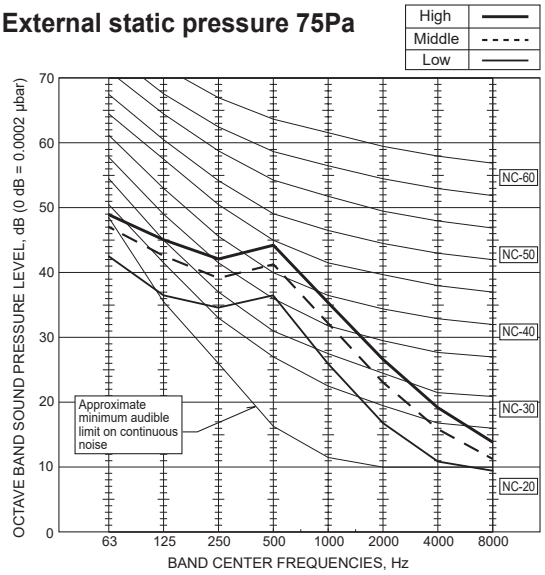
External static pressure 60Pa



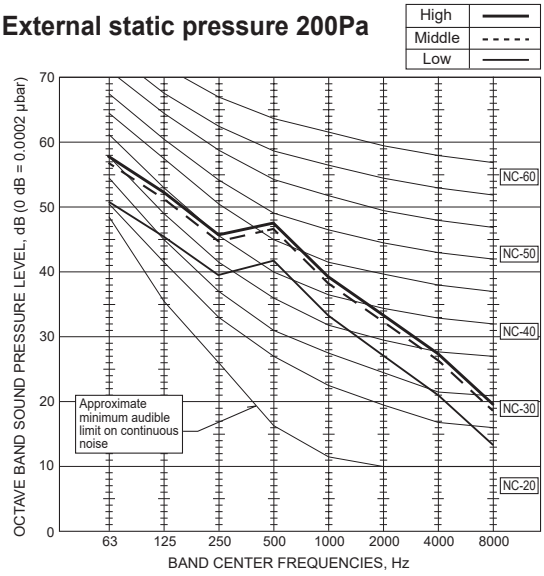
External static pressure 150Pa



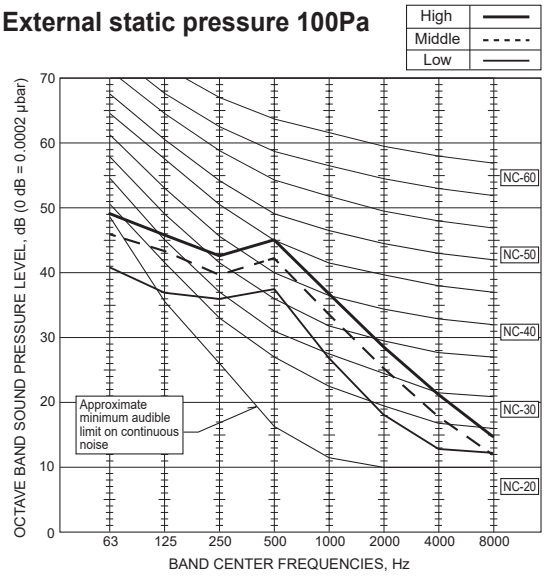
External static pressure 75Pa



External static pressure 200Pa

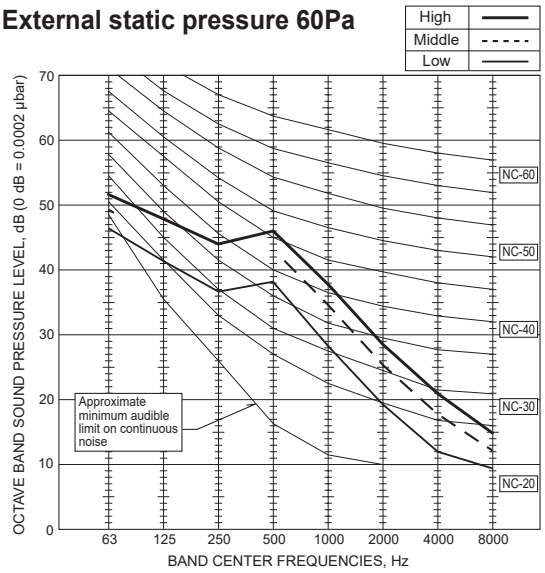


External static pressure 100Pa

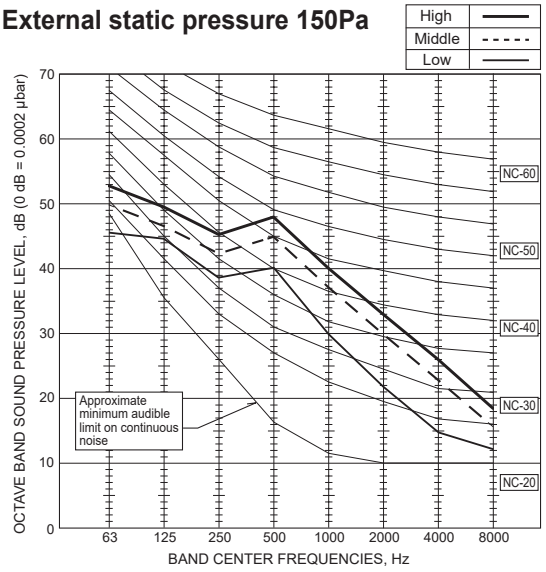


PEA-M250LA

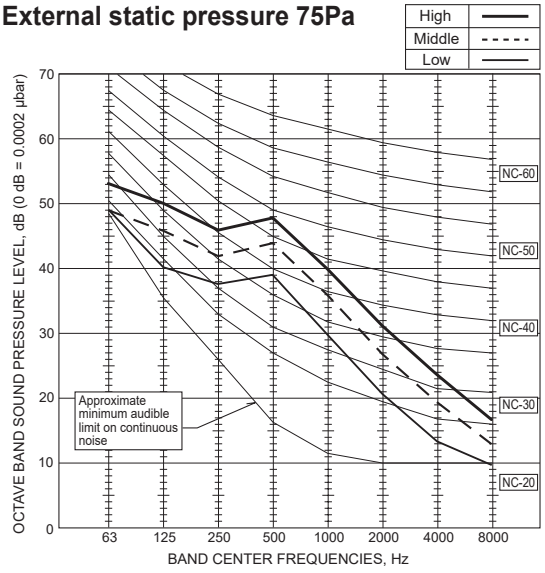
External static pressure 60Pa



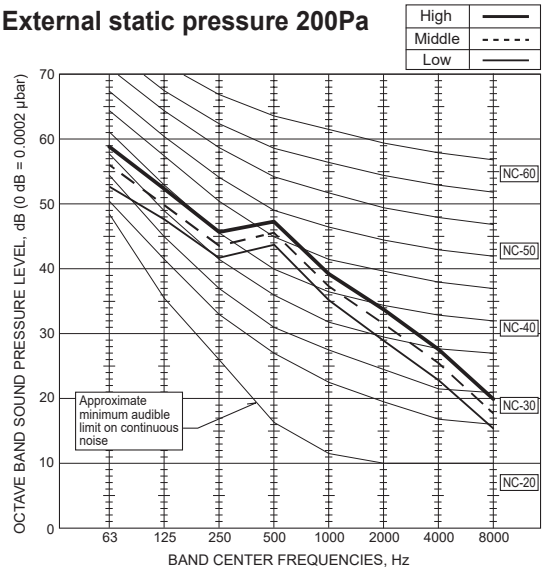
External static pressure 150Pa



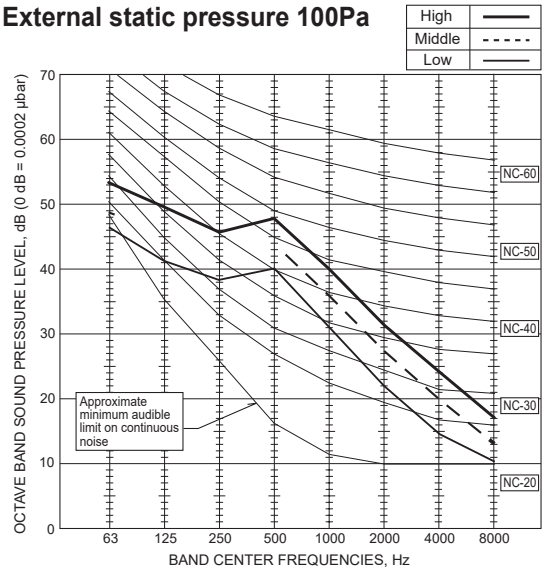
External static pressure 75Pa



External static pressure 200Pa

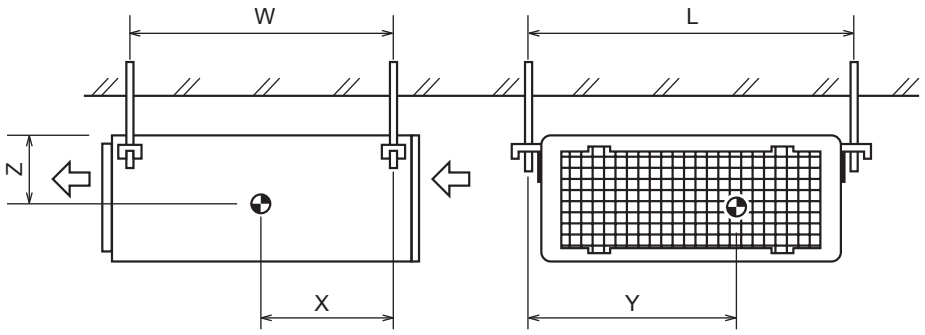


External static pressure 100Pa



A.6.8 CENTER OF GRAVITY POSITION

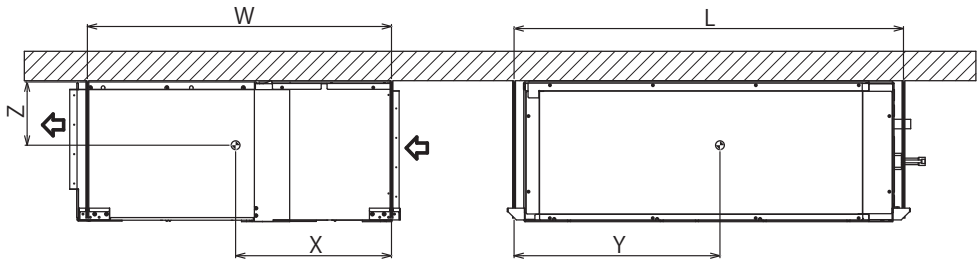
A.6.8.1 PEAD-M•JA(L)
PEAD-SM•JA(L)



(mm)

Model name	W	L	X	Y	Z
PEAD-M35JA(L)	643	954	340	375	130
PEAD-M50JA(L)	643	954	340	375	130
PEAD-M60JA(L)	643	1154	325	525	130
PEAD-M71JA(L) PEAD-SM71JA(L)	643	1154	325	525	130
PEAD-M100JA(L) PEAD-SM100JA(L)	643	1454	330	675	130
PEAD-M125JA(L) PEAD-SM125JA(L)	643	1454	330	675	130
PEAD-M140JA(L) PEAD-SM140JA(L)	643	1654	332	725	130

A.6.8.2 PEA-M•LA



(mm)

Model name	W	L	X	Y	Z
PEA-M200LA	1034	1324	530	700	215
PEA-M250LA	1034	1324	530	700	215

A.7 REMOTE CONTROLLER AND TROUBLESHOOTING

A.7.1 WIRED REMOTE CONTROLLER [PAR-40MAA]
A.7.1.1 FUNCTIONS

○ :Supported × :Unsupported

	Function	CITY MULTI	Mr.SLIM	Required Password
Power	Power ON/OFF	○	○	-
Settings	Operation mode	○	○	-
	Auto (dual set point) mode	○	○	-
	Preset temperature	○	○	-
	Fan speed	○	○	-
Operation menu	Vane・Louver・Vent.(Lossnay)	○	○	-
	High power	×	○	-
	Manual vane angle	○	○	-
	3D i-See sensor	○	○	-
Timer menu	Timer(On/Off timer)	○	○	administrator
	Timer(Auto-Off timer)	○	○	administrator
	Weekly timer	○	○	administrator
	OU silent mode	○	○	administrator
	Night setback	○	○	administrator
Energy saving menu	Temperature range restriction	○	○	administrator
	Operation lock function	○	○	administrator
	Auto return	○	○	administrator
	Schedule	×	○	administrator
Initial setting menu	Main/Sub	○	○	administrator
	Clock	○	○	administrator
	Clock display format setting	○	○	administrator
	Daylight saving time	○	○	administrator
	Main display	○	○	administrator
	Black and white inversion	○	○	administrator
	Contrast・Brightness	○	○	administrator
	Language selection	○	○	administrator
	Password(Administrator)	○	○	administrator
Service menu	Initialize remote controller	○	○	maintenance
	Remote controller information	○	○	maintenance
	Test run	○	○	maintenance
	Model information input	○	○	maintenance
	Dealer information input	○	○	maintenance
	Function setting	○	○	maintenance
	Smooth maintenance	×	○	maintenance
	Password(Maintenance)	○	○	maintenance
Maintenance menu	Auto descending panel	○	○	-
	Error information	○	○	-
	Filter information	○	○	-

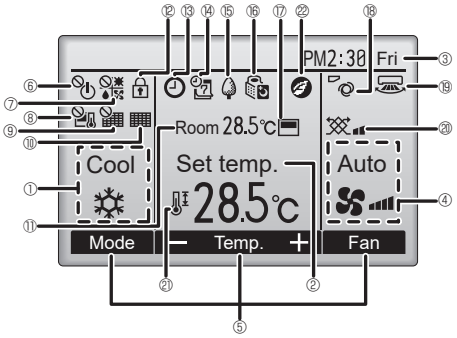
* The supported functions vary depending on the unit model.

A.7.1.2 APPEARANCE

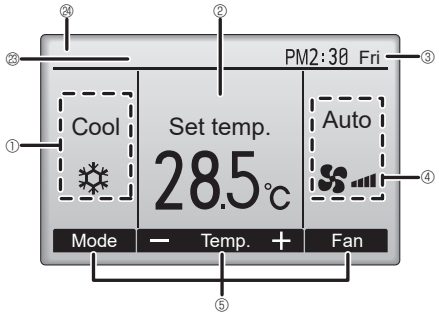
Display

The main display can be displayed in two different modes: "Full" and "Basic."
The factory setting is "Full."

Full mode



Basic mode



* All icons are displayed for explanation.

① Operation mode

② Preset temperature

③ Clock
See the Installation Manual.

④ Fan speed

⑤ Button function guide
Functions of the corresponding buttons appear here.

⑥
Appears when the ON/OFF operation is centrally controlled.

⑦
Appears when the operation mode is centrally controlled.

⑧
Appears when the preset temperature is centrally controlled.

⑨
Appears when the filter reset function is centrally controlled.

⑩
Indicates when filter needs maintenance.

⑪ Room temperature
See the Installation Manual.

⑫
Appears when the buttons are locked.

⑬
Appears when the On/Off timer, Night setback, or Auto-off timer function is enabled.

appears when the timer is disabled by the centralized control system.

Most settings (except ON/OFF, mode, fan speed, temperature) can be made from the Main menu.

⑭
Appears when the Weekly timer is enabled.

⑮
Appears while the units are operated in the energy-save mode. (Will not appear on some models of indoor units)

⑯
Appears while the outdoor units are operated in the silent (This indication is not available for CITY MULTI models.)

⑰
Appears when the built-in thermistor on the remote controller is mode. activated to monitor the room temperature (⑪)

appears when the thermistor on the indoor unit is activated to monitor the room temperature.

⑱
Indicates the vane setting.

⑲
Indicates the louver setting.

⑳
Indicates the ventilation setting.

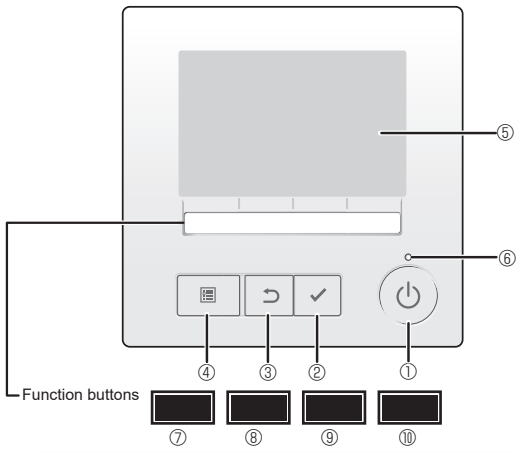
㉑
Appears when the preset temperature range is restricted.

㉒
Appears when an energy-saving operation is performed using a "3D i-See sensor" function.

㉓ Centrally controlled
Appears for a certain period of time when a centrally-controlled item isoperated.

㉔ Preliminary error display
An error code appears during the preliminary error.
* When an error code is displayed on the main display, an error is occurring but the indoor unit can keep its operation. Check the error code, and consult your dealer

Controller interface



When the backlight is off, pressing any button turns the backlight on and does not perform its function. (except for the ON/OFF button)

① [ON/OFF] button
Press to turn ON/OFF the indoor unit.

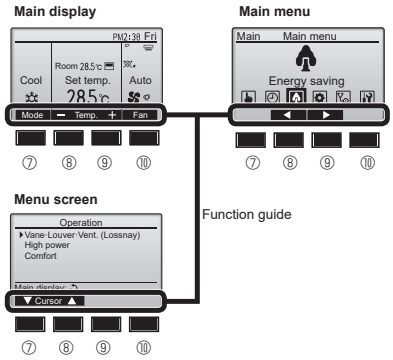
② [SELECT] button
Press to save the setting.

③ [RETURN] button
Press to return to the previous screen.

④ [MENU] button
Press to bring up the Main menu.

⑤ Backlit LCD
Operation settings will appear.
When the backlight is off, pressing any button turns the backlight on and it will stay lit for a certain period of time depending on the screen.

The functions of the function buttons change depending on the screen.
Refer to the button function guide that appears at the bottomof the LCD for the functions they serve on a given screen.
When the system is centrally controlled, the button function guide that corresponds to the locked button will not appear.



⑥ ON/OFF lamp
This lamp lights up in green while the unit is in operation. It blinks while the remote controller is starting up or when there is an error.

⑦ Function button [F1]
Main display: Press to change the operation mode.
Menu screen: The button function varies with the screen.

⑧ Function button [F2]
Main display: Press to decrease temperature.
Main menu: Press to move the cursor left.
Menu screen: The button function varies with the screen.

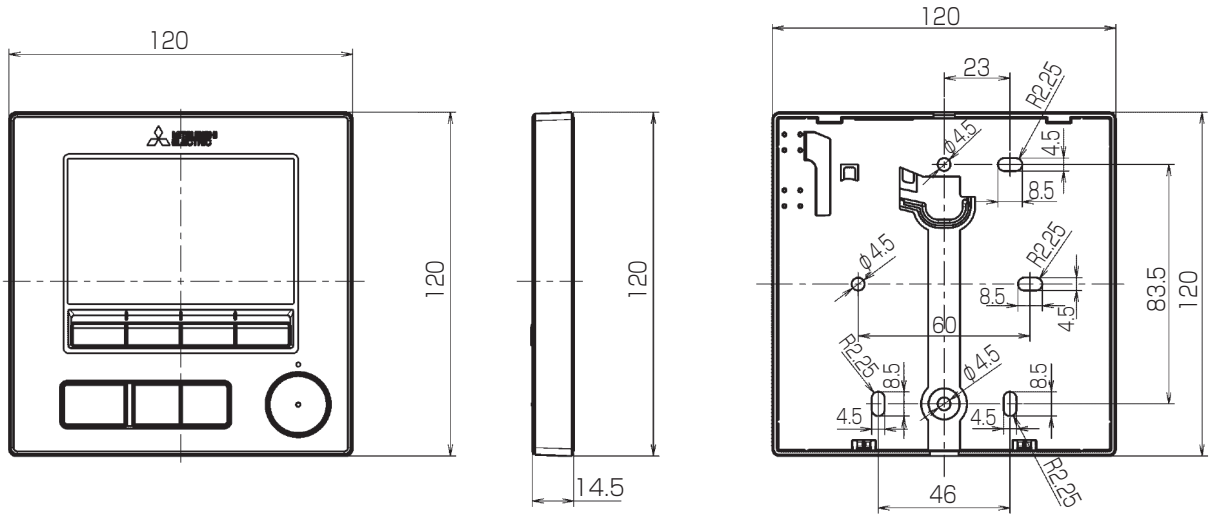
⑨ Function button [F3]
Main display: Press to increase temperature.
Main menu: Press to move the cursor right.
Menu screen: The button function varies with the screen.

⑩ Function button [F4]
Main display: Press to change the fan speed.
Menu screen: The button function varies with the screen.

A.7.1.3 OUTLINES AND DIMENSIONS

[PAR-40MAA]

unit : mm



(Front view) (Side view) (Rear view)

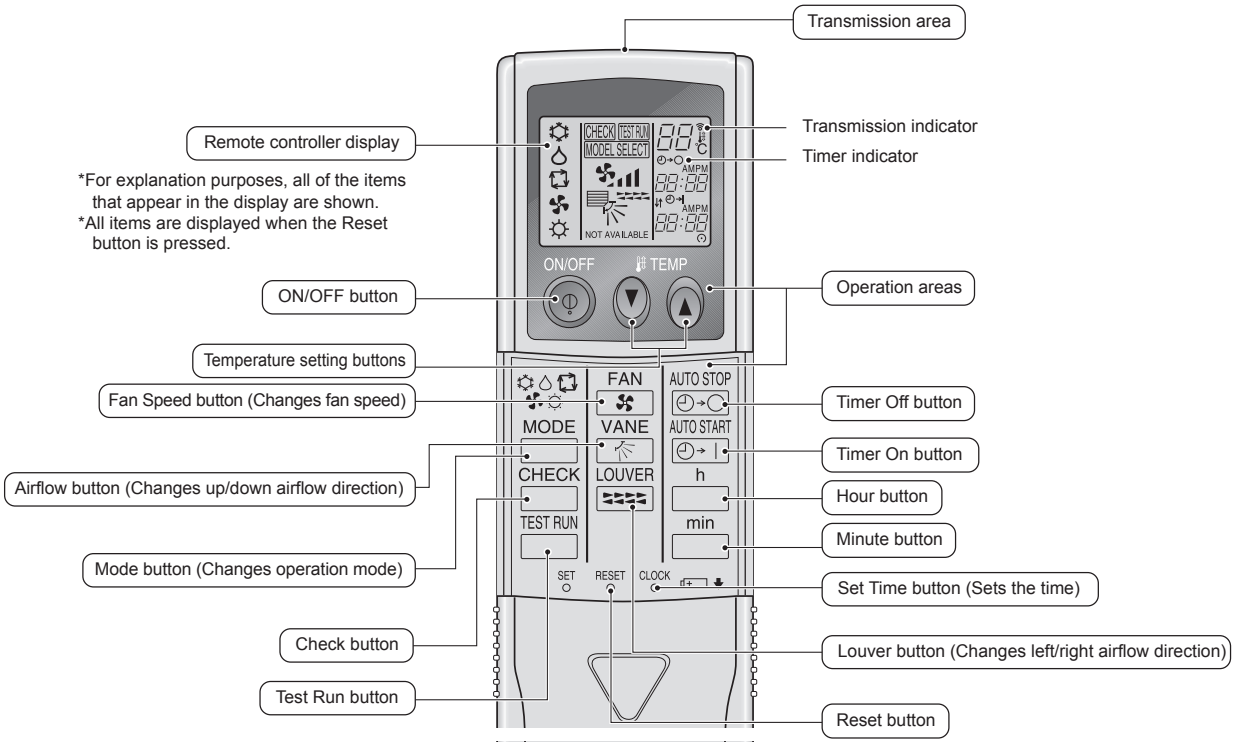
<Specifications>

Product size	120(W) × 120(H) × 14.5(D)mm (4 23/32 × 4 23/32 × 9/16 [in] (not including the protruding part)	
Net weight	0.25kg (35/64lbs)	
Rated power supply voltage	12V DC (supplied from indoor units)	
Power consumption	0.3W	
Usage environment	Temperature	0 - 40°C (32 - 104°F)
	Humidity	25 - 90%RH (with no dew condensation)
Material	Panel	PMMA
	Main body	ABS
Sound Pressure Level	The A-weighted sound pressure level is below 70dB	

A.7.2 WIRELESS REMOTE CONTROLLER

A.7.2.1 [PAR-SL97A-E] APPEARANCE

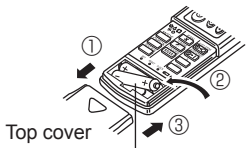
When cover is open



- When using the wireless remote controller, point it towards the receiver on the indoor unit.
- If the remote controller is operated within approximately two minutes after power is supplied to the indoor unit, the indoor unit may beep twice as the unit is performing the initial automatic check.
- The indoor unit beeps to confirm that the signal transmitted from the remote controller has been received. Signals can be received up to approximately 7 meters in a direct line from the indoor unit in an area 45 to the left and right of the unit. However, illumination such as fluorescent lights and strong light can affect the ability of the indoor unit to receive signals.
- If the operation lamp near the receiver on the indoor unit is flashing, the unit needs to be inspected. Consult your dealer for service.
- Handle the remote controller carefully! Do not drop the remote controller or subject it to strong shocks. In addition, do not get the remote controller wet or leave it in a location with high humidity.
- To avoid misplacing the remote controller, install the holder included with the remote controller on a wall and be sure to always place the remote controller in the holder after use.

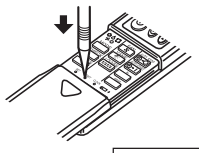
Battery installation/replacement

1.Remove the top cover, insert two AAA batteries, and then install the top cover.



Two AAA batteries
Insert the negative (–) end of each battery first. Install the batteries in the correct directions (+, –)!

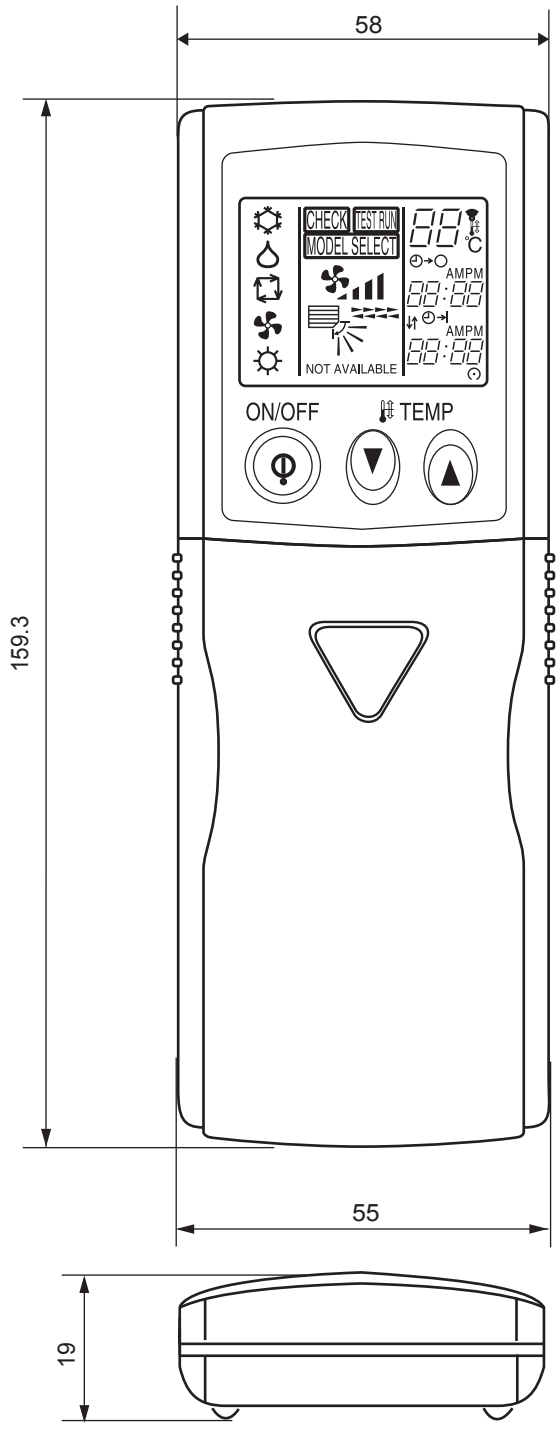
2.Press the Reset button.



Press the Reset button with an object that has a narrow end.

OUTLINES AND DIMENSIONS

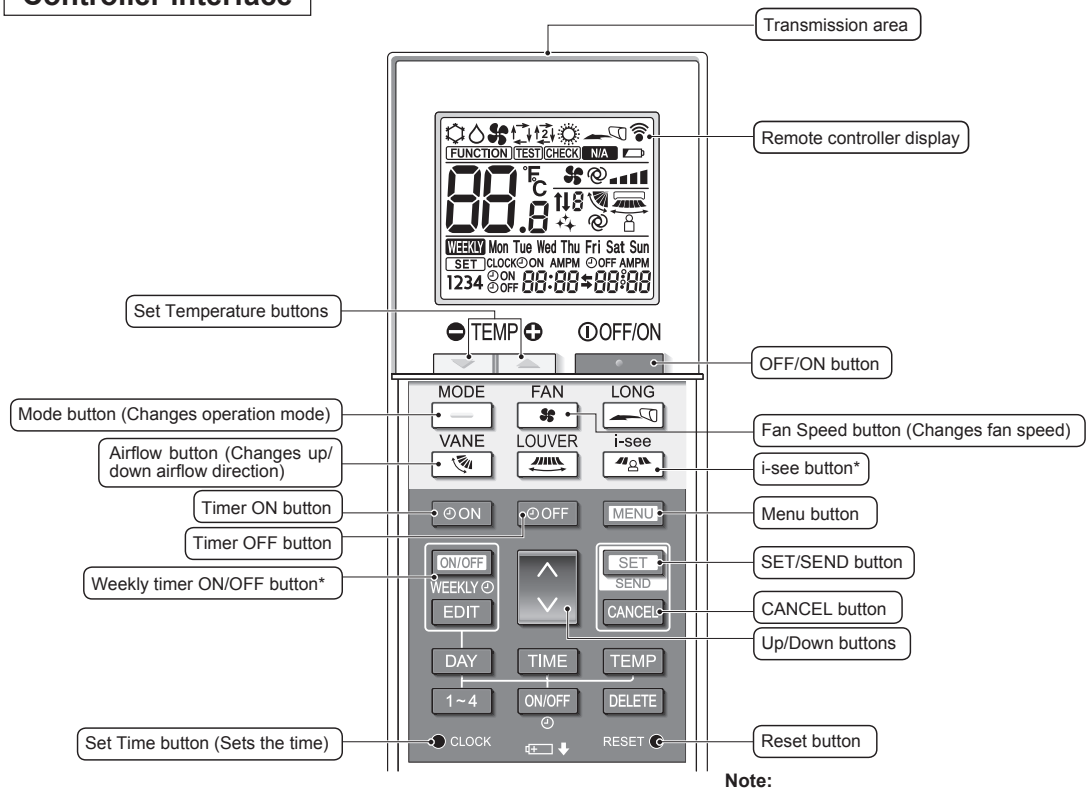
unit : mm



A.7.2.2 [PAR-SL100A-E] APPEARANCE

When cover is open

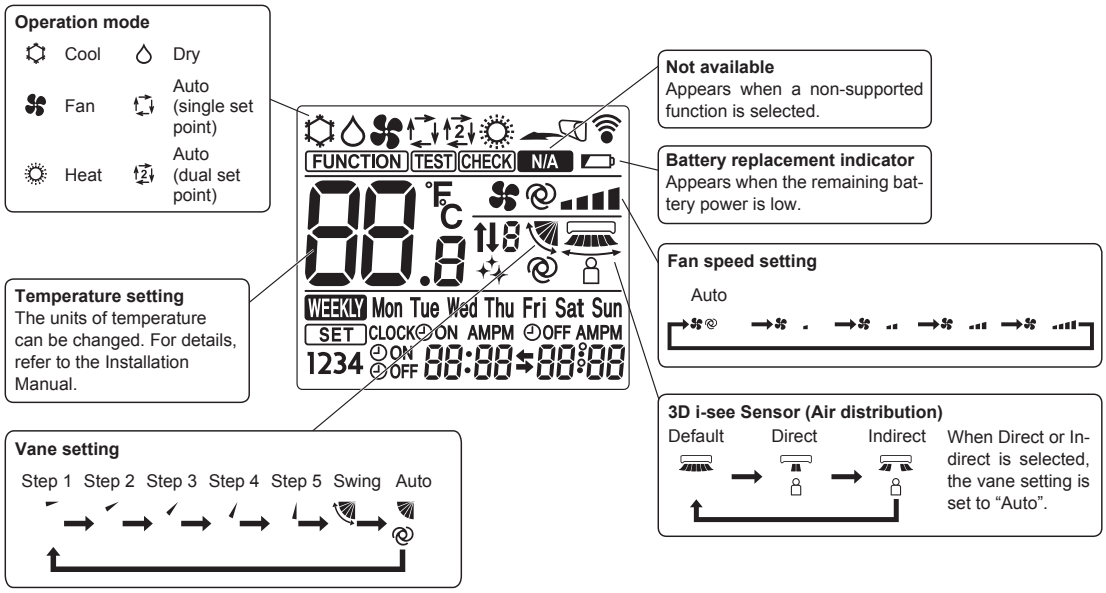
Controller interface



Note:

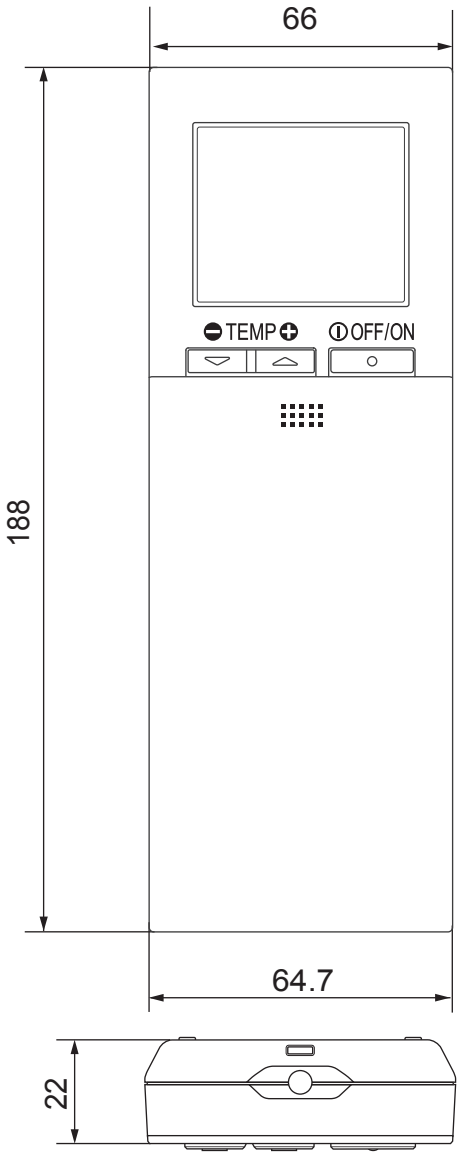
* **This button is enabled or disabled depending on the model of the indoor unit.**

Display



OUTLINES AND DIMENSIONS

unit : mm



A.7.3 SIMPLE MA REMOTE CONTROLLER [PAC-YT52CRA]
A.7.3.1 FUNCTION

1. Operations/Display

V:Each group

Item	Setting	Display	Description
ON/OFF	✓	✓	Changes between ON and OFF.
Operation mode switching *1	✓	✓	Select from COOL, DRYING, FAN, AUTO, and HEAT.
Room temp. Setting *1	✓	✓	Sets a room temperature. * The preset temperature range varies depending on the indoor unit model to be connected. (The ranges for a standard model are as follows.) • COOL/DRY: 19ºC - 30ºC/67ºF - 87ºF • HEAT: 17ºC - 28ºC/63ºF - 83ºF • AUTO: 19ºC - 28ºC/67ºF - 83ºF
Fan speed setting	✓	✓	Changes the fan speed. * The settable fan speed varies depending on the indoor unit model to be connected.
Vane setting	✓	✓	Switches the vane directions. * The settable vane direction varies depending on the indoor unit model to be connected.
Ventilation equipment control	✓	✓	When the CITY MULTI indoor unit is connected, interlocked setting of the CITY MULTI LOSSNAY unit is possible. When the Mr. SLIM indoor unit (A-control) is connected, interlocked operation of the microcomputer-type LOSSNAY unit is possible.
Backlight	✓	✓	Pressing the button lights up a backlight. The light automatically turns off after a certain period of time. (The brightness settings can be selected from Bright, Dark, and Light off.)
Error information	—	✓	Displays the current error status with the address. * The address may not be displayed depending on the error status.

*1 AUTO mode is settable only when those functions are available on the indoor unit.

2. Restriction settings

V:Each group

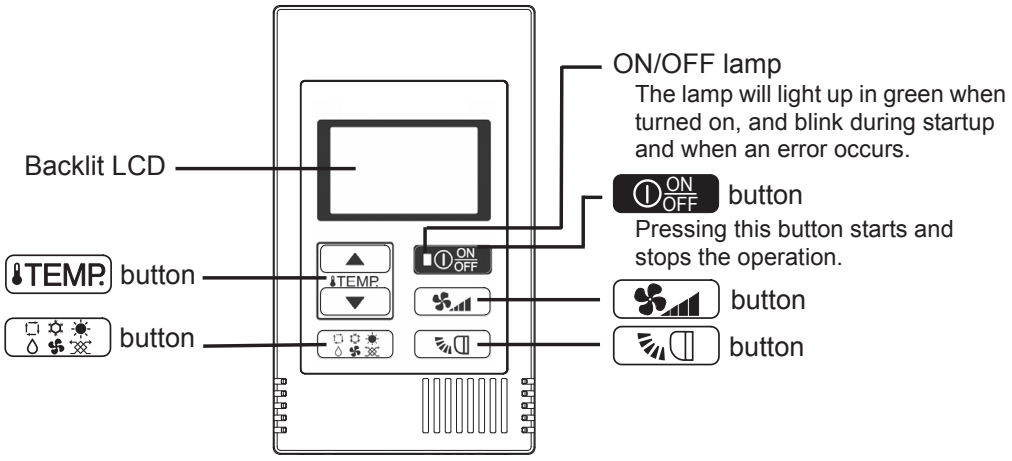
Item	Setting	Display	Description
Allows/disallows local operation	—	✓	By setting a centralized controller, the following local operations are prohibited: ON/OFF; operation mode; preset temperature; * The CENTRAL icon appears while the local operations are prohibited.
Operation lock	✓	✓	Locks all buttons.
Temperature range restriction	✓	✓	The preset temperature range can be restricted for each operation mode (COOL/HEAT/AUTO).

3. Miscellaneous

Item	Description
Room temperature detection	The temperature sensor is built-in on the remote controller.
Various settings	The following settings can be made by setting the dip switches. • Remote controller Main/Sub setting • Temperature display unit setting (Celsius/Fahrenheit) • Cooling/heating display in AUTO mode • Indoor temperature display

A.7.3.2 APPEARANCE

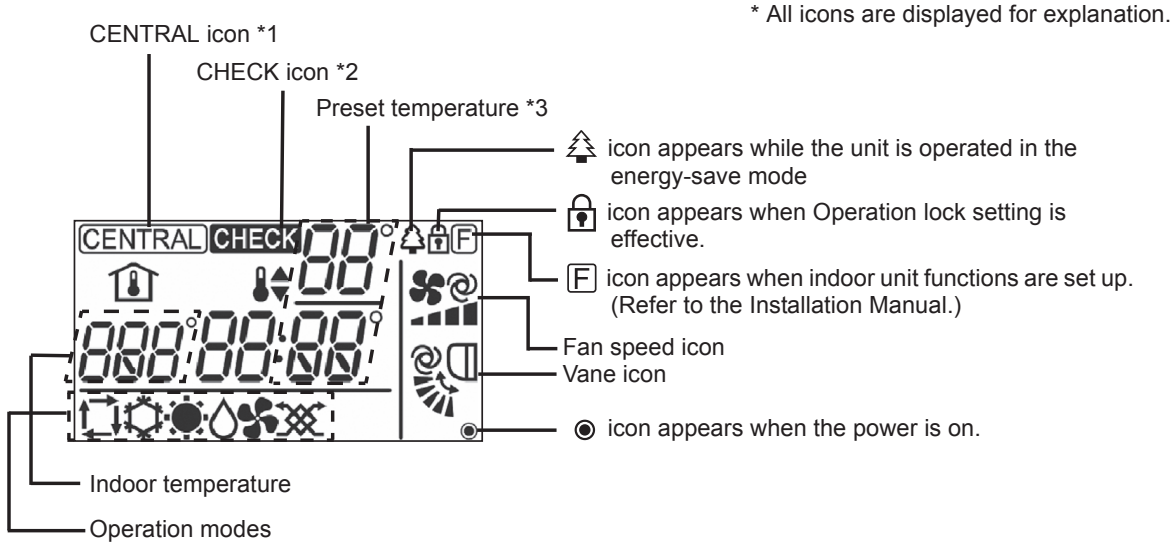
Controller interface



* To set the functions that are not available on this controller (PAC-YT52CRA) such as Louver, use MA remote controller or the centralized controller.

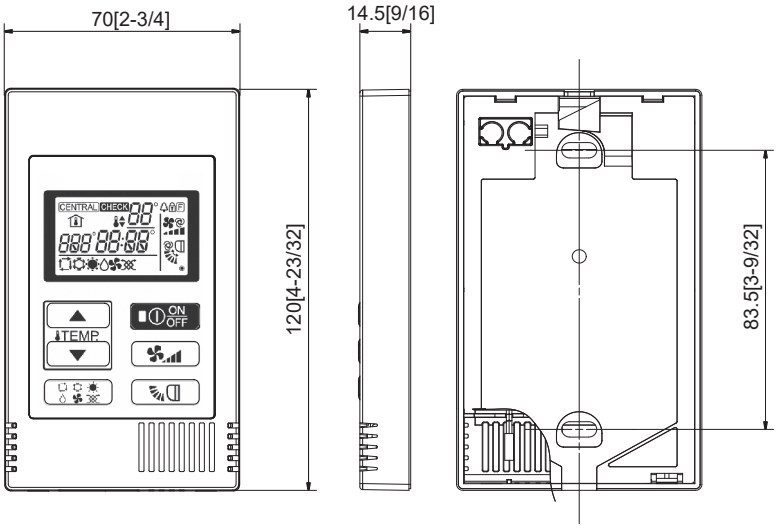
Display

* All icons are displayed for explanation.



A.7.3.3 OUTLINES AND DIMENSIONS [PAC-YT52CRA]

Unit:mm[in.]



Controller specifications

	Specifications
Product size	70 (W) × 120 (H) × 14.5 (D) mm (2-3/4 × 4-23/32 × 9/16 [in]) (not including the protruding part)
Net weight	0.1 kg (1/4 lb.)
Rated power supply voltage	12 VDC (supplied from indoor units)
Power consumption	0.3 W
Usage environment	Temperature 0 ~ 40ºC (32 ~ 104ºF) Humidity 30 ~ 90%RH (with no dew condensation)
Material	PC + ABS

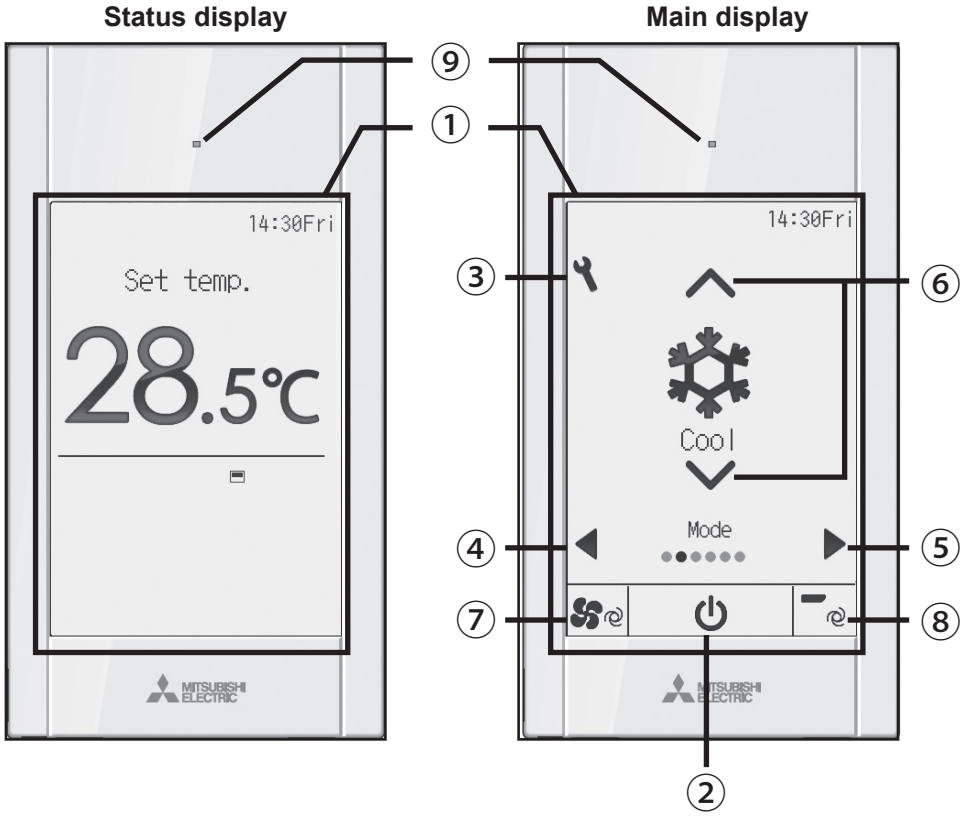
A.7.4 MA TOUCH REMOTE CONTROLLER [PAR-CT01MAA-PB/SB]
A.7.4.1 FUNCTION

○ : Supported × : Unsupported

	Function	CITY MULTI	Mr. SLIM	Required password
Power	Power ON/OFF	○	○	-
Settings	Operation mode	○	○	-
	Auto (dual set point) mode	○	○	-
	Preset temperature	○	○	-
	Fan speed	○	○	-
	Vane	○	○	-
	Louver	○	○	-
	Ventilation	○	○	-
Operation menu	High power	×	○	-
	Manual vane angle	○	○	-
	3D i-See sensor	○	○	-
Timer menu	Timer (On/Off timer)	○	○	administrator
	Timer (Auto-Off timer)	○	○	administrator
	Weekly timer	○	○	administrator
	OU silent mode	○	○	administrator
	Night setback	○	○	administrator
Energy saving menu	Temperature range restriction	○	○	administrator
	Operation lock function	○	○	administrator
	Auto return	○	○	administrator
	Schedule	×	○	administrator
Initial setting menu	Clock	○	○	administrator
	Clock display format setting	○	○	administrator
	Daylight saving time	○	○	administrator
	Main display	○	○	administrator
	Icon explanation	○	○	administrator
	Brightness	○	○	administrator
	Language selection	○	○	administrator
	Design	○	○	administrator
	Touch panel calibration	○	○	administrator
	Touch panel cleaning	○	○	administrator
	Password (Administrator)	○	○	administrator
Service menu	Initialize remote controller	○	○	maintenance
	Remote controller information	○	○	maintenance
	Test run	○	○	maintenance
	Model information input	○	○	maintenance
	Dealer information input	○	○	maintenance
	Function setting	○	○	maintenance
	Smooth maintenance	×	○	maintenance
	Password (Maintenance)	○	○	maintenance
Maintenance menu	Auto descending panel	○	○	-
	Error information	○	○	-
	Filter information	○	○	-

* The supported functions vary depending on the unit model.

A.7.4.2 APPEARANCE
1.Controller interface-Status display / Main display



① Touch panel & Backlit full color LCD

Operation settings will appear.
When the backlight is off, pressing any area switches the screen to the Status display. While the Status display is displayed, pressing any area switches the screen to the Main display.

② ON/OFF button

Press to turn ON/OFF the indoor unit.

③ Setting button

Press to bring up the Main menu.
When the menu operation is locked, an administrator password is required.

④ ◀ button

Press to switch the setting items in the following order: louver, ventilation, vane, fan speed, operation mode, and preset temperature.

⑤ ▶ button

Press to switch the setting items in the following order: preset temperature, operation mode, fan speed, vane, ventilation, and louver.

⑥ ▲ ▼ button

Press to change the contents of the setting selected in ④ and ⑤ above.

⑦ Fan speed shortcut button

Press to directly access the fan speed settings screen.

⑧ Vane shortcut button

Press to directly access the vane settings screen.

⑨ ON/OFF lamp

This lamp lights up in green while the unit is in operation unless “LED lighting” is set to “No”. It blinks while the remote controller is starting up or when there is an error.

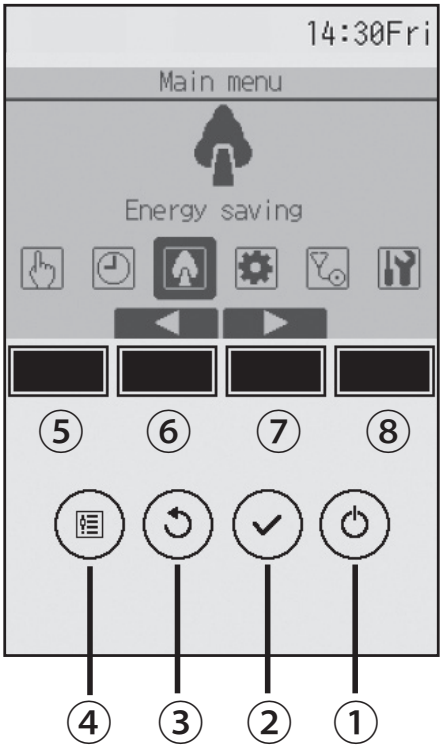
When the ON/OFF operation is locked, ② will not be displayed.

When the setting item is switched with the ④ or ⑤ button, if the operation of the selected setting item is locked, the item will not be displayed.

If the operation of the fan speed or vane is locked, the item ⑦ or ⑧ will not be displayed.

The setting contents cannot be changed with the ⑥ button when the setting item is centrally controlled by the system controller.

2.Controller interface-Main screen



① ON/OFF button
Press to turn ON/OFF the indoor unit.

② SELECT button
Press to save the setting.

③ RETURN button
Press to return to the previous screen.
When the Main menu is displayed, pressing this button will display the Status display.

④ MENU button
Press to bring up the Main menu.

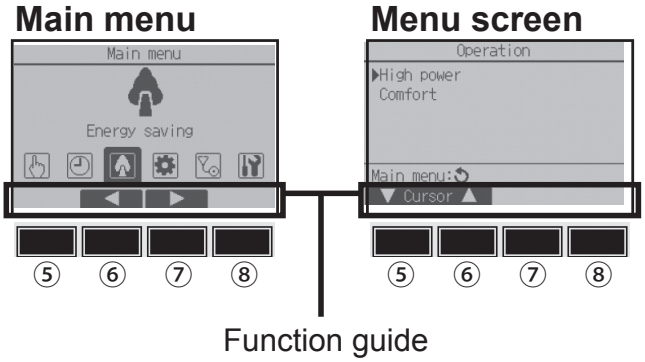
⑤ Function button F1
Menu screen: The button function varies with the screen.

⑥ Function button F2
Main menu: Press to move the cursor left.
Menu screen: The button function varies with the screen.

⑦ Function button F3
Main menu: Press to move the cursor right.
Menu screen: The button function varies with the screen.

⑧ Function button F4
Menu screen: The button function varies with the screen.

The functions of the function buttons change depending on the screen.
Refer to the button function guide that appears at the bottom of the LCD for the functions they serve on a given screen.

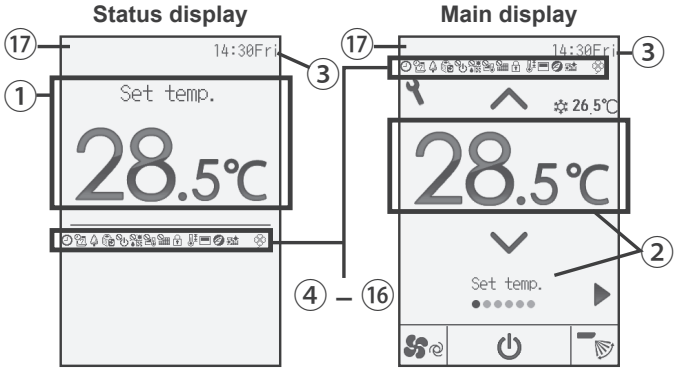


3.Display-Status display / Main display

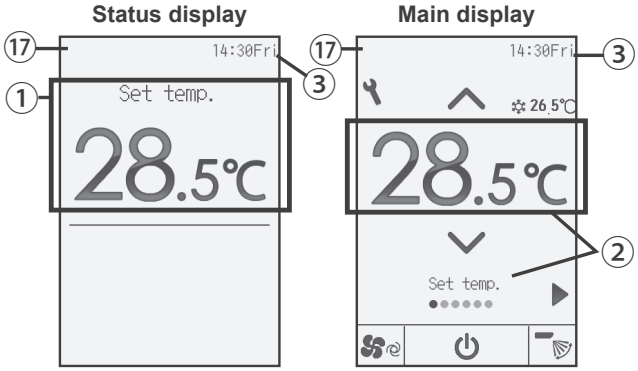
The Status display and Main display can be displayed in two different modes: "Full" and "Basic."

Full mode

* All icons are displayed for explanation.



Basic mode



① Preset temperature or room temperature

Preset temperature or room temperature appears here.
(See the Installation Manual.)

② Setting item and setting contents

The setting items "Preset temperature" ↔ "Operation mode" ↔ "Fan speed" ↔ "Vane" ↔ "Ventilation" ↔ "Louver," and their setting contents appear here.
"Centrally controlled" appears for a certain period of time when a centrally-controlled item is operated.

③ Clock

Current time appears here.
(See the Installation Manual.)

④

Appears when the On/Off timer, Night set-back , or Auto-off timer function is enabled.

appears when the timer is disabled by the centralized control system.

⑤

Appears when the Weekly timer is enabled.

⑥

Appears while the units are operated in the energy-save mode. (Will not appear on some models of indoor units)

⑦

Appears while the outdoor units are operated in the silent mode.

⑧

Appears when the ON/OFF operation is centrally controlled.

⑨

Appears when the operation mode is centrally controlled.

⑩

Appears when the preset temperature is centrally controlled.

⑪

Appears when the filter reset function is centrally controlled.

⑫

Appears when the buttons are locked.

⑬

Appears when the preset temperature range is restricted.

⑭

Appears when the built-in thermistor on the remote controller is activated to monitor the room temperature.

appears when the thermistor on the indoor unit is activated to monitor the room temperature.

⑮

Appears when an energy-saving operation is performed using a "3D i-See sensor" function.

⑯

Indicates when filter needs maintenance.

⑰ Preliminary error display

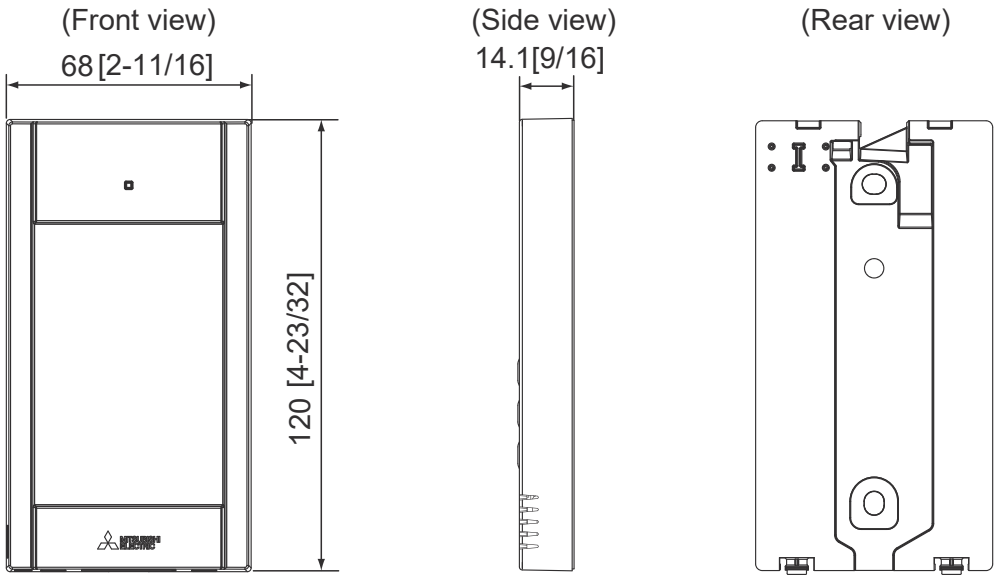
An error code appears during the preliminary error.

A.7.4.3 SPECIFICATIONS

	Specification
Product size	Standard (PAR-CT01MAA(R)-SB/PAR-CT01MAA-S): 65(W) × 120(H) × 14.1(D) mm (2 9/16 × 4 23/32 × 9/16 [in]) (not including the protruding part)
	Premium (PAR-CT01MAA(R)-PB): 68(W) × 120(H) × 14.1(D) mm (2 11/16 × 4 23/32 × 9/16 [in]) (not including the protruding part)
Net weight	Standard (PAR-CT01MAA(R)-SB/PAR-CT01MAA-S): 0.25 kg (35/64 lbs)
	Premium (PAR-CT01MAA(R)-PB): 0.30 kg (21/32 lbs)
Rated power supply voltage	12 VDC (supplied from indoor units)
Power consumption	0.6 W
Usage environment	Temperature 0 ~ 40ºC (32 ~ 104ºF) Humidity 25 ~ 90%RH (with no dew condensation)
Material	Standard (PAR-CT01MAA(R)-SB/PAR-CT01MAA-S) Main body: ABS
	Premium (PAR-CT01MAA(R)-PB) Main body: ABS Side plate: Aluminum

A.7.4.4 OUTLINES AND DIMENSIONS

Unit: mm[in.]



A.8 OUTDOOR UNIT

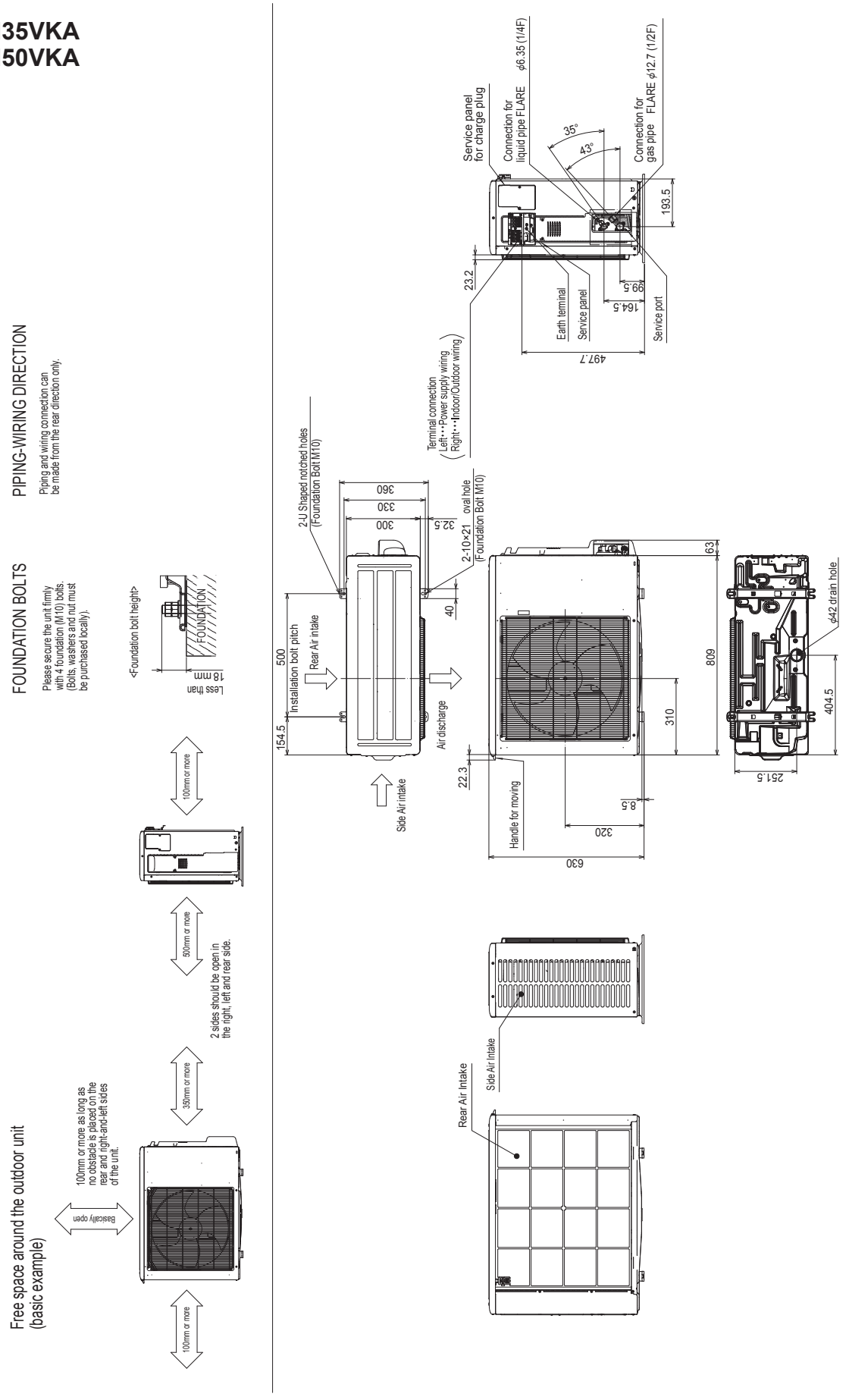
A.8.1 OUTLINES AND DIMENSIONS

A.8.1.1 R32 type

Unit : mm

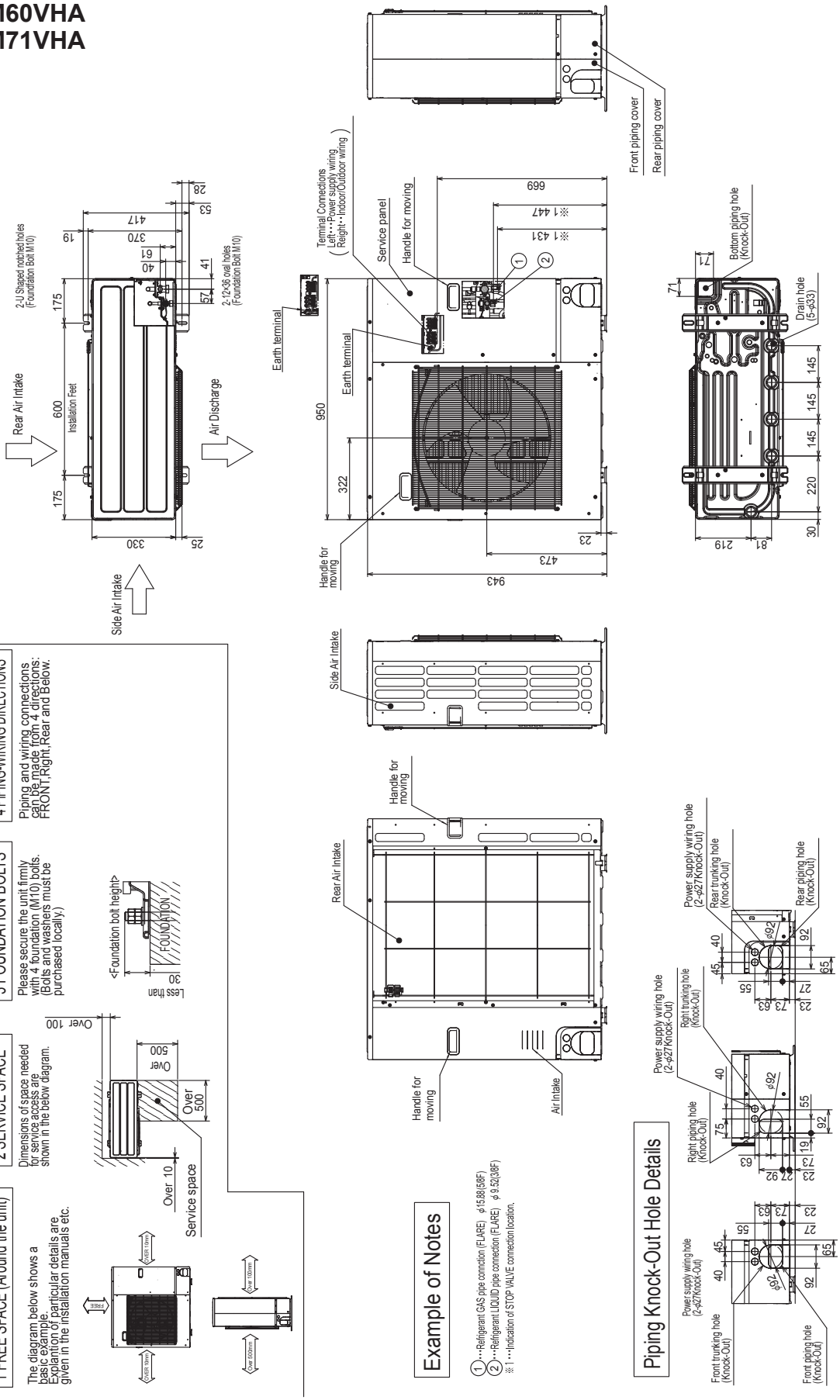
1. PUZ-ZM•HA PUZ-ZM•KA

PUZ-ZM35VKA
PUZ-ZM50VKA



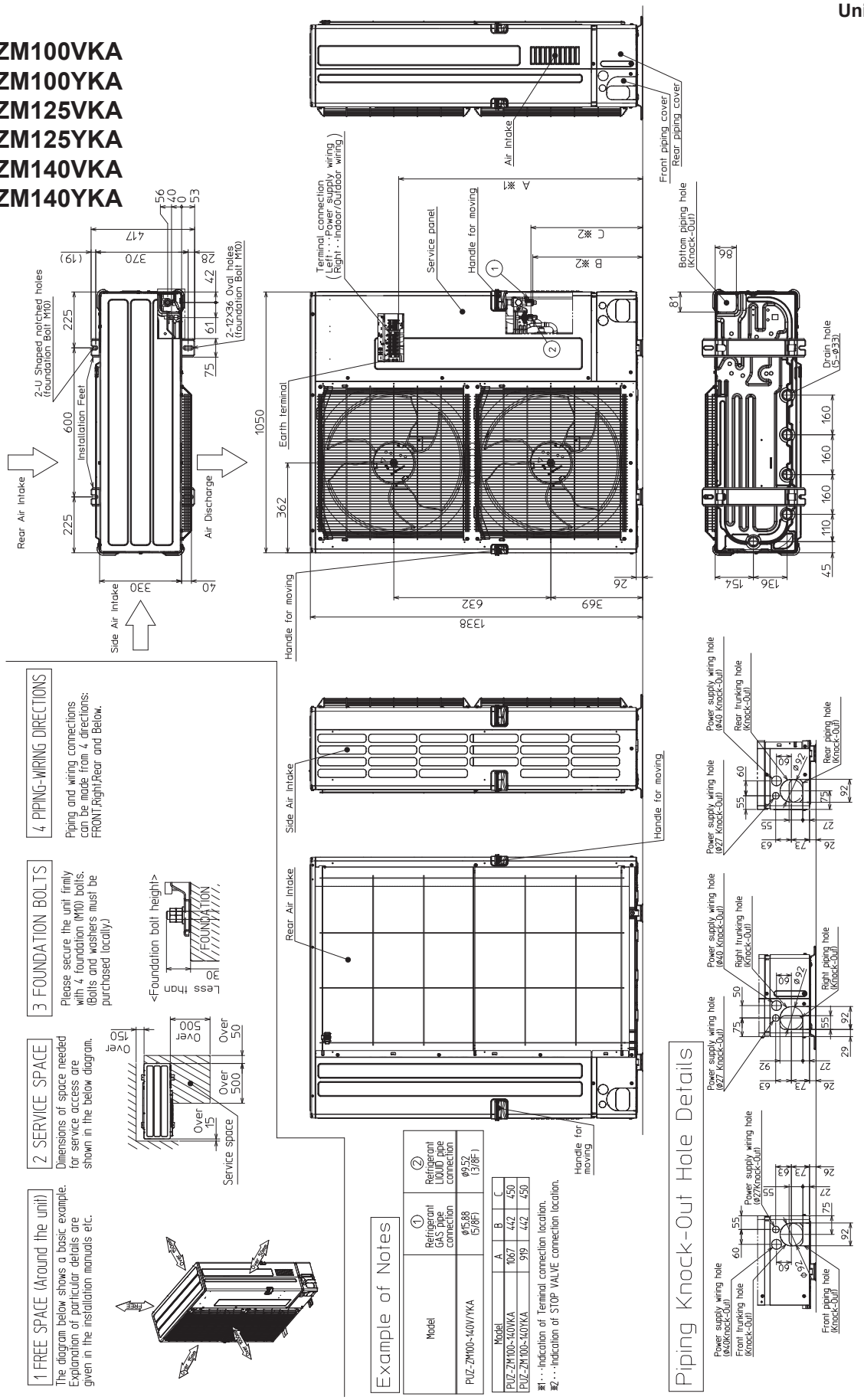
Unit : mm

PUZ-ZM60VHA
PUZ-ZM71VHA



Unit : mm

PUZ-ZM100VKA
PUZ-ZM100YKA
PUZ-ZM125VKA
PUZ-ZM125YKA
PUZ-ZM140VKA
PUZ-ZM140YKA

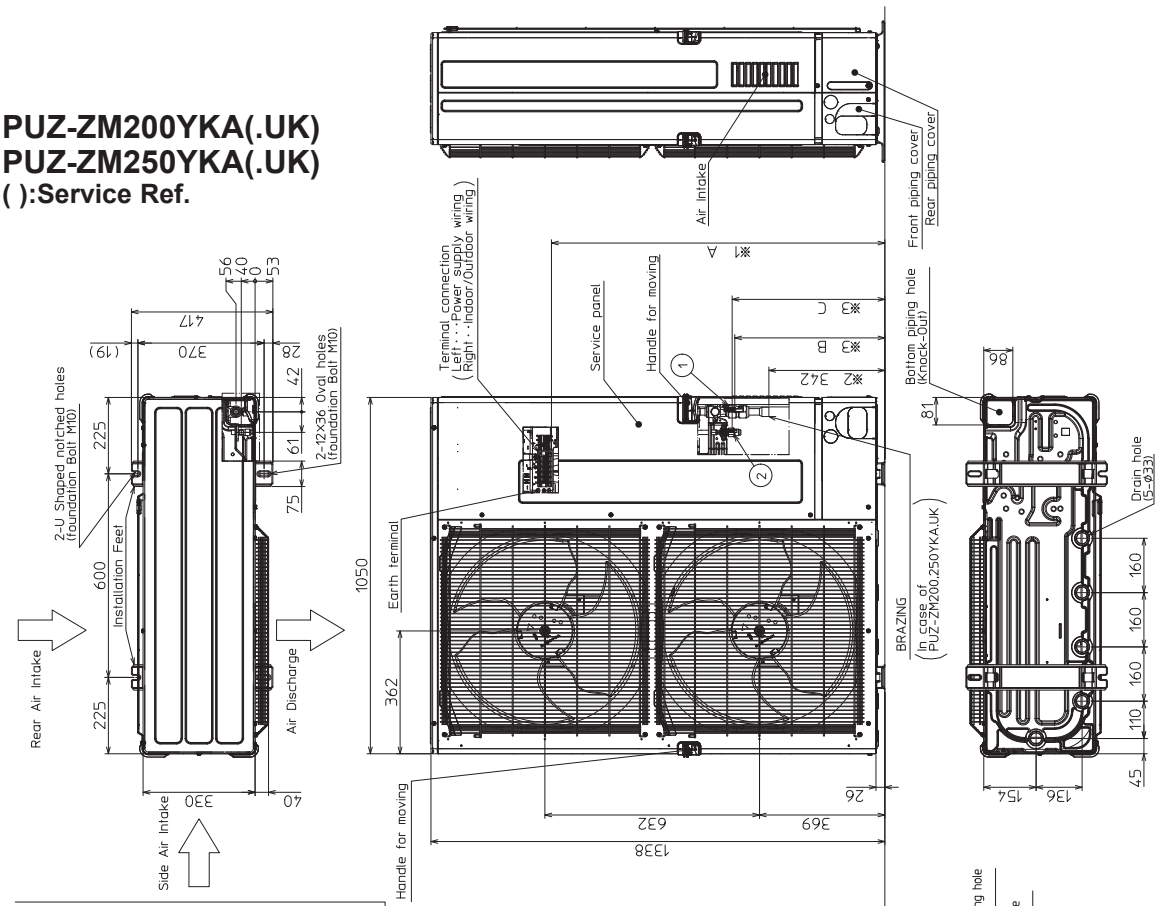


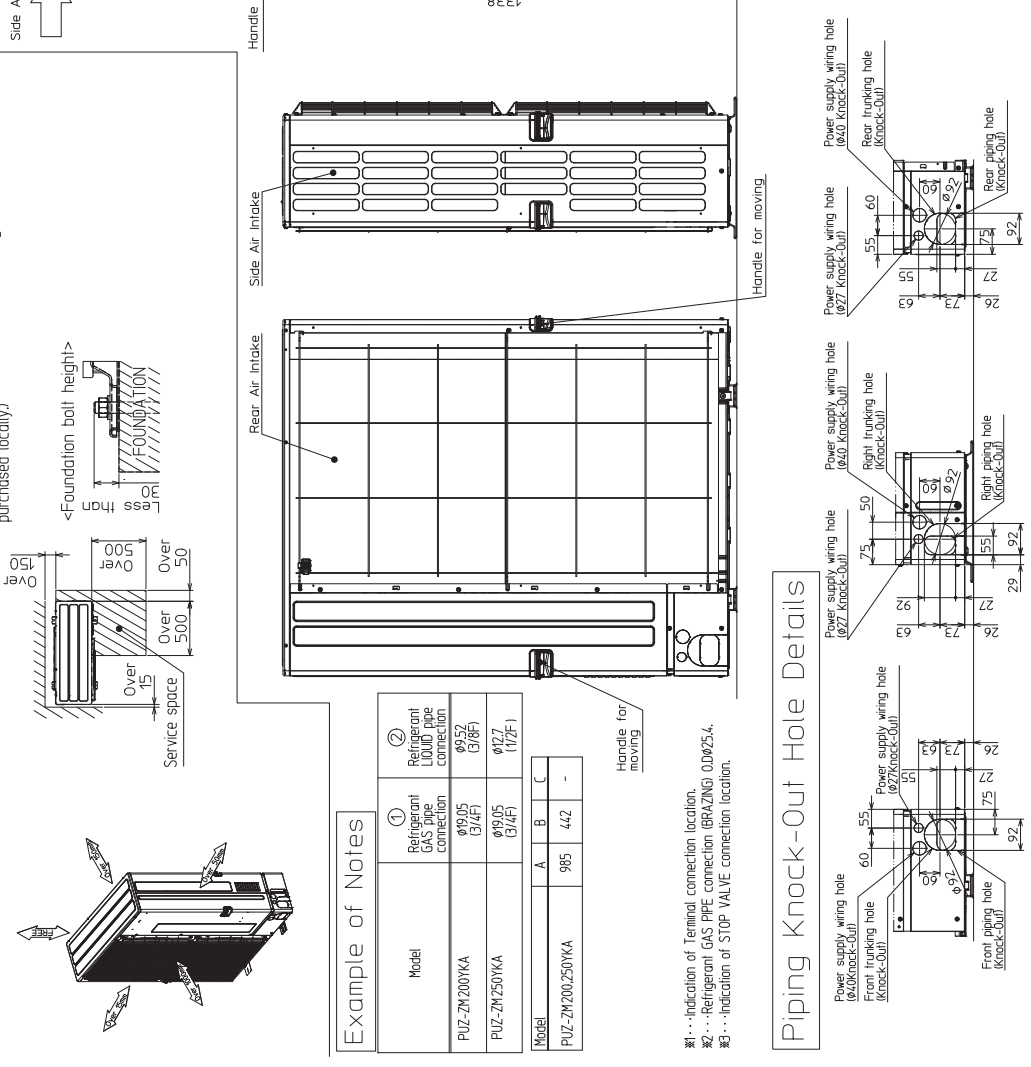
Model	① Refrigerant GAS pipe connection	② Refrigerant LIQUID pipe connection
PUZ-ZM100~140VKA	φ15.88 (5/8F)	φ9.52 (3/8F)

Model	A	B	C
PUZ-ZM100~140VKA	1067	442	450
PUZ-ZM100~140YKA	919	442	450

Unit : mm

PUZ-ZM200YKA(.UK)
PUZ-ZM250YKA(.UK)
( ):Service Ref.





1 FREE SPACE (Around the unit)

The diagram below shows a basic example. Explanation of particular details are given in the installation manuals etc.

2 SERVICE SPACE

Dimensions of space needed for service access are shown in the below diagram.

3 FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10) bolts. (Bolts and washers must be purchased locally.)

4 PIPING-WIRING DIRECTIONS

Piping and wiring connections can be made from 4 directions: FRONT,Right,Rear and Below.

Example of Notes

Model	① Refrigerant GAS pipe connection	② Refrigerant LIQUID pipe connection
PUZ-ZM200YKA	ø19.05 (3/4F)	ø9.52 (3/8F)
PUZ-ZM250YKA	ø19.05 (3/4F)	ø12.7 (1/2F)

Model	A	B	C
PUZ-ZM200,250YKA	985	442	-

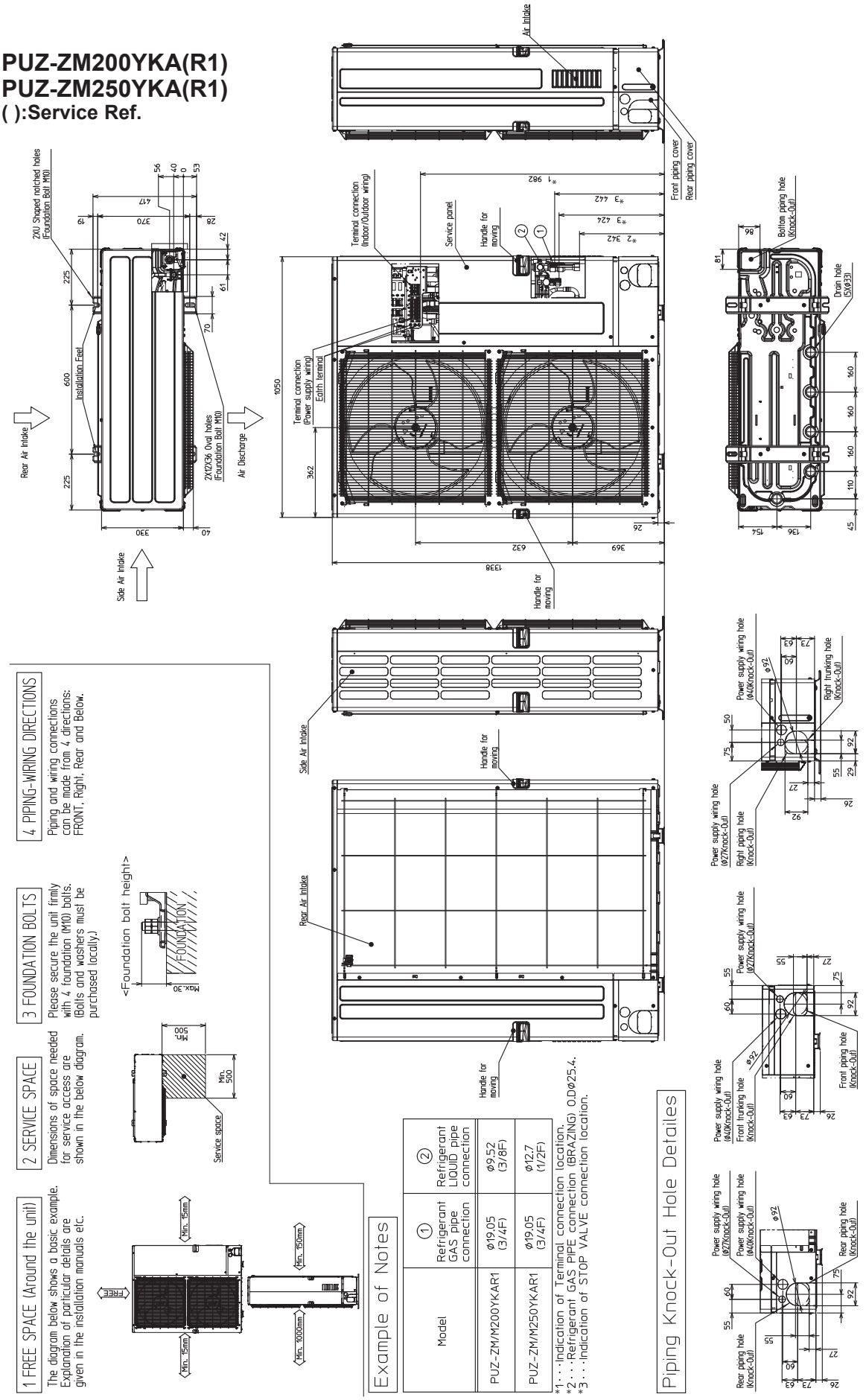
※1 ··· Indication of Terminal connection location.
※2 ··· Refrigerant GAS PIPE connection (BRAZING) O.D ø25.4.
※3 ··· Indication of STOP VALVE connection location.

Piping Knock-Out Hole Details

PUZ-ZM200YKA(R1)
PUZ-ZM250YKA(R1)

( ):Service Ref.

Unit : mm



1 FREE SPACE (Around the unit)

The diagram below shows a basic example. Explanation of particular details are given in the installation manuals etc.

2 SERVICE SPACE

Dimensions of space needed for service access are shown in the below diagram.

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Please secure the unit firmly with 4 foundation (M10) bolts. (Bolts and washers must be purchased locally.)

4 PIPING-WIRING DIRECTIONS

Piping and wiring connections can be made from 4 directions: FRONT, Right, Rear and Below.

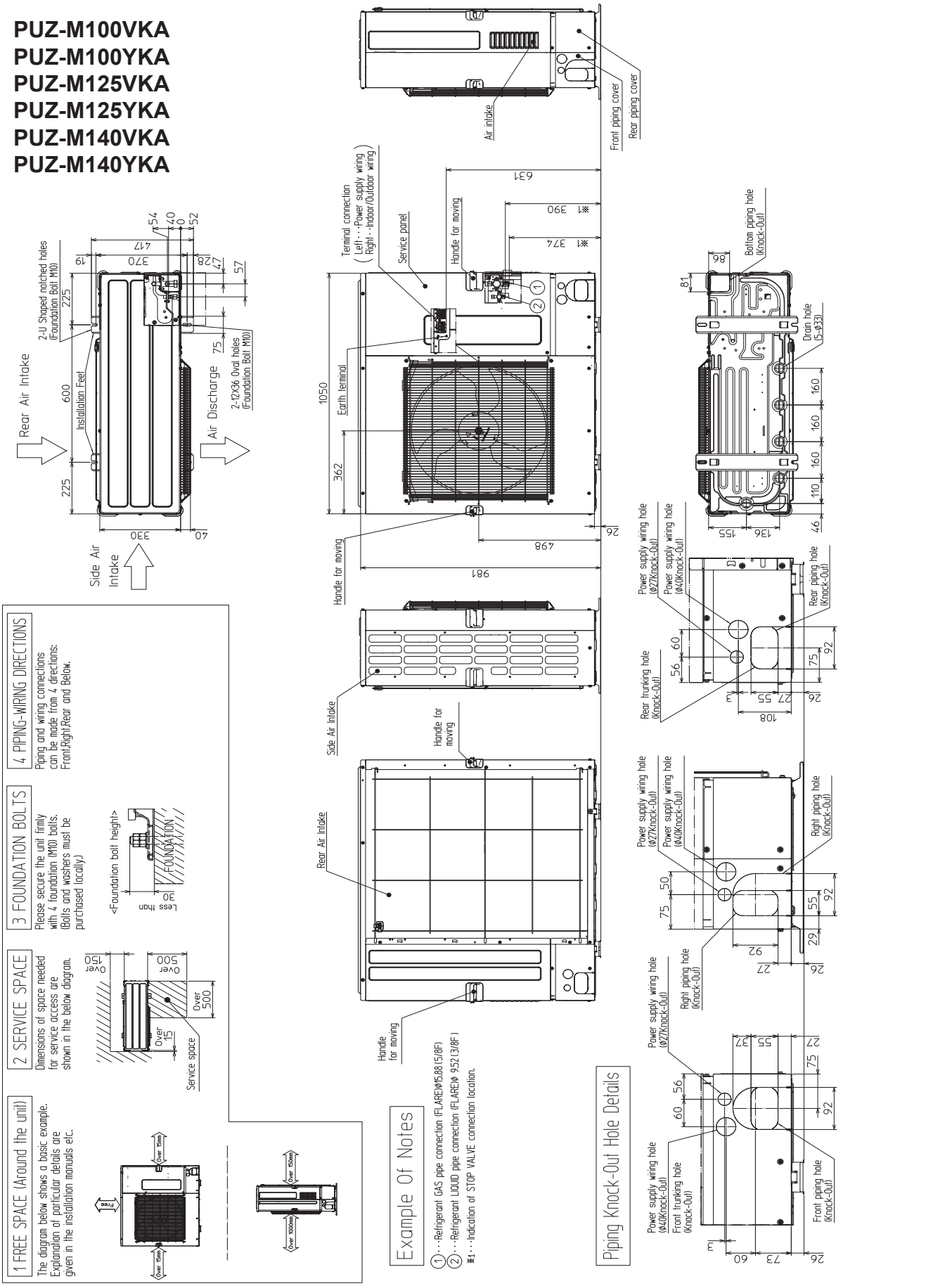
Example of Notes

Model	① Refrigerant GAS pipe connection	② Refrigerant LIQUID pipe connection
PUZ-ZM/M200YKAR1	ø19.05 (3/4F)	ø9.52 (3/8F)
PUZ-ZM/M250YKAR1	ø19.05 (3/4F)	ø12.7 (1/2F)

*1 · · · Indication of Terminal connection location.
*2 · · · Refrigerant GAS PIPE connection (BRAZING) O.D ø25.4.
*3 · · · Indication of STOP VALVE connection location.

2. PUZ-M•KA

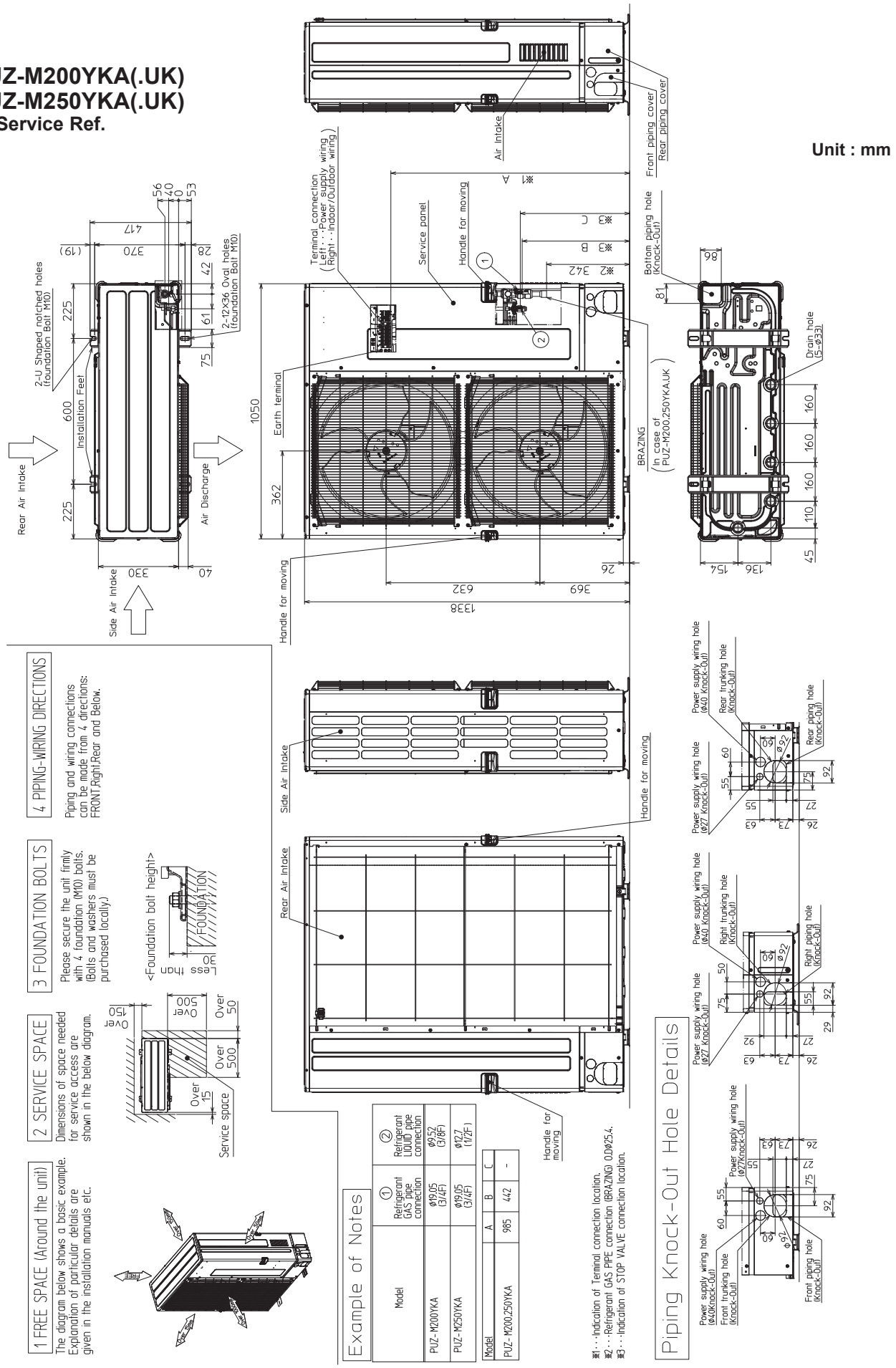
PUZ-M100VKA
PUZ-M100YKA
PUZ-M125VKA
PUZ-M125YKA
PUZ-M140VKA
PUZ-M140YKA



PUZ-M200YKA(.UK)
PUZ-M250YKA(.UK)

( ):Service Ref.

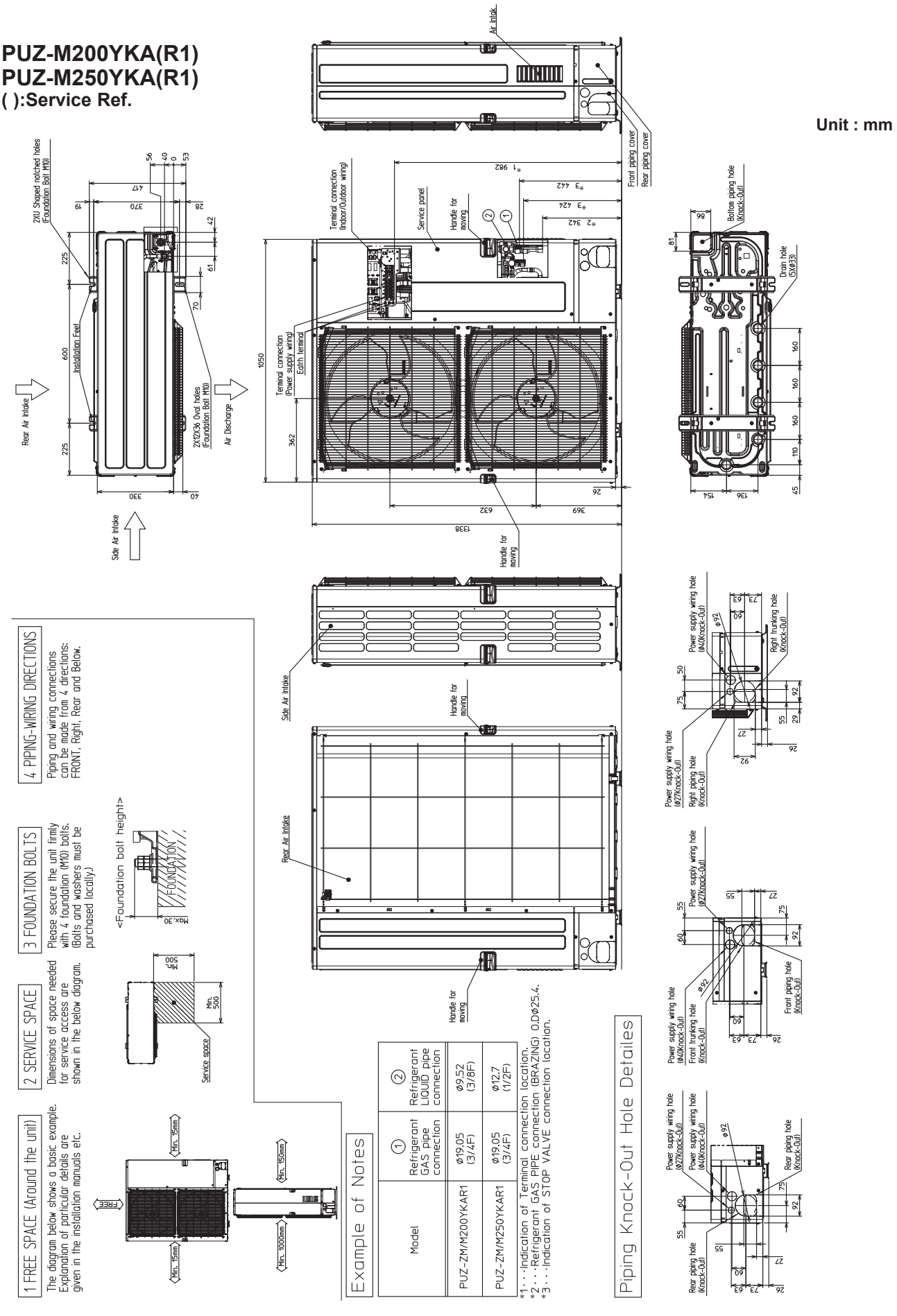
Unit : mm



PUZ-M200YKA(R1)
PUZ-M250YKA(R1)

( ):Service Ref.

Unit : mm

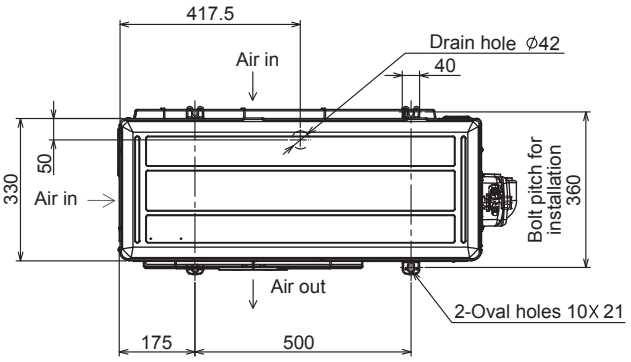


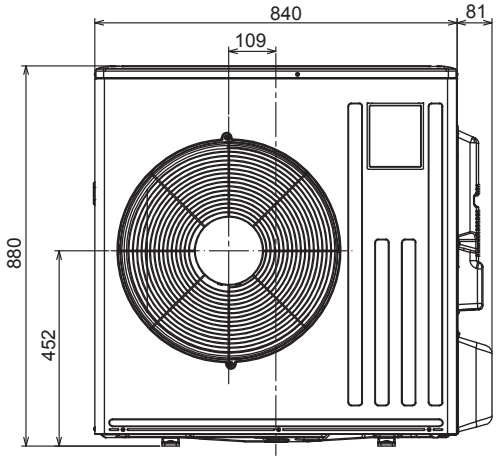
Model	① Refrigerant GAS pipe connection	② Refrigerant LIQUID pipe connection
PUZ-ZM/M200YKAR1	Ø19.05 (3/4F)	Ø9.52 (3/8F)
PUZ-ZM/M250YKAR1	Ø19.05 (3/4F)	Ø12.7 (1/2F)

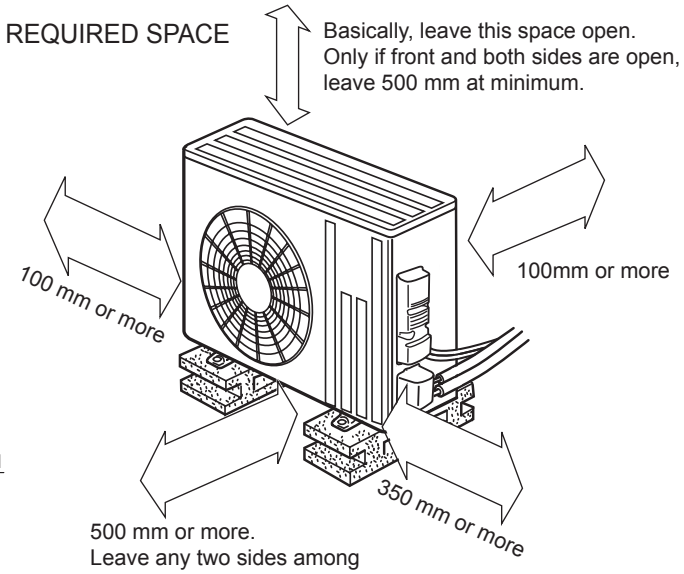
3. SUZ-SM•VA

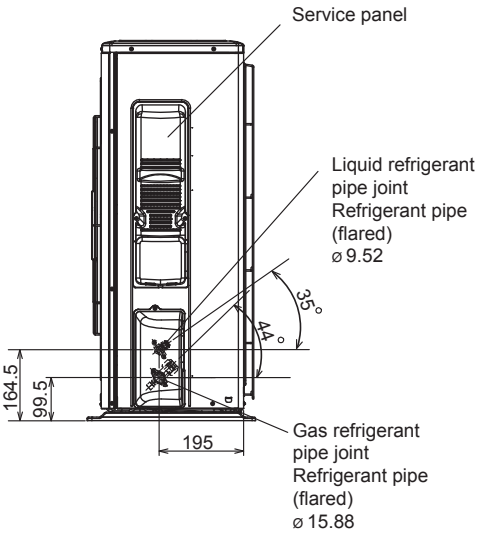
SUZ-SM71VA

Unit: mm





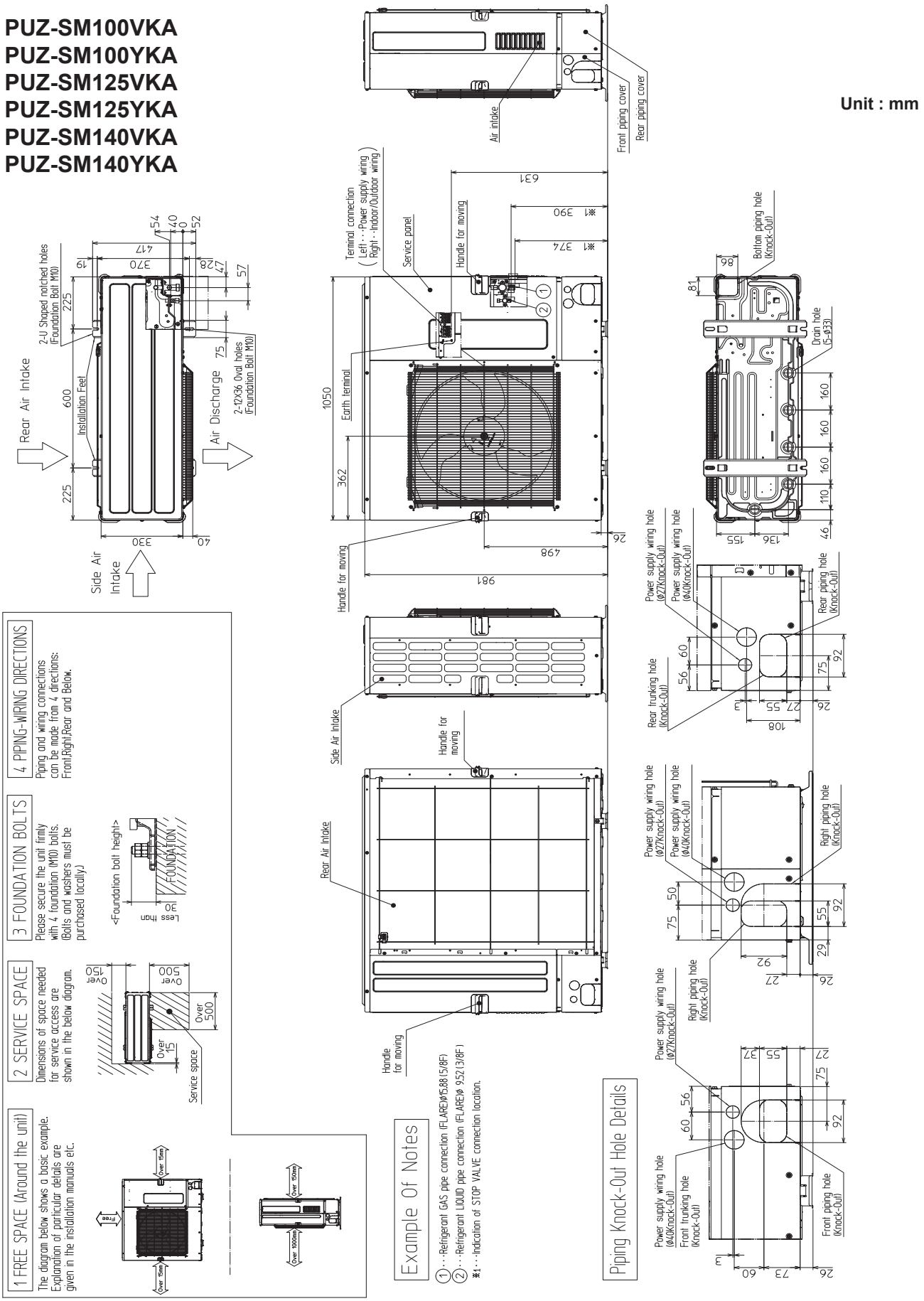




4. PUZ-SM•KA

PUZ-SM100VKA
PUZ-SM100YKA
PUZ-SM125VKA
PUZ-SM125YKA
PUZ-SM140VKA
PUZ-SM140YKA

Unit : mm

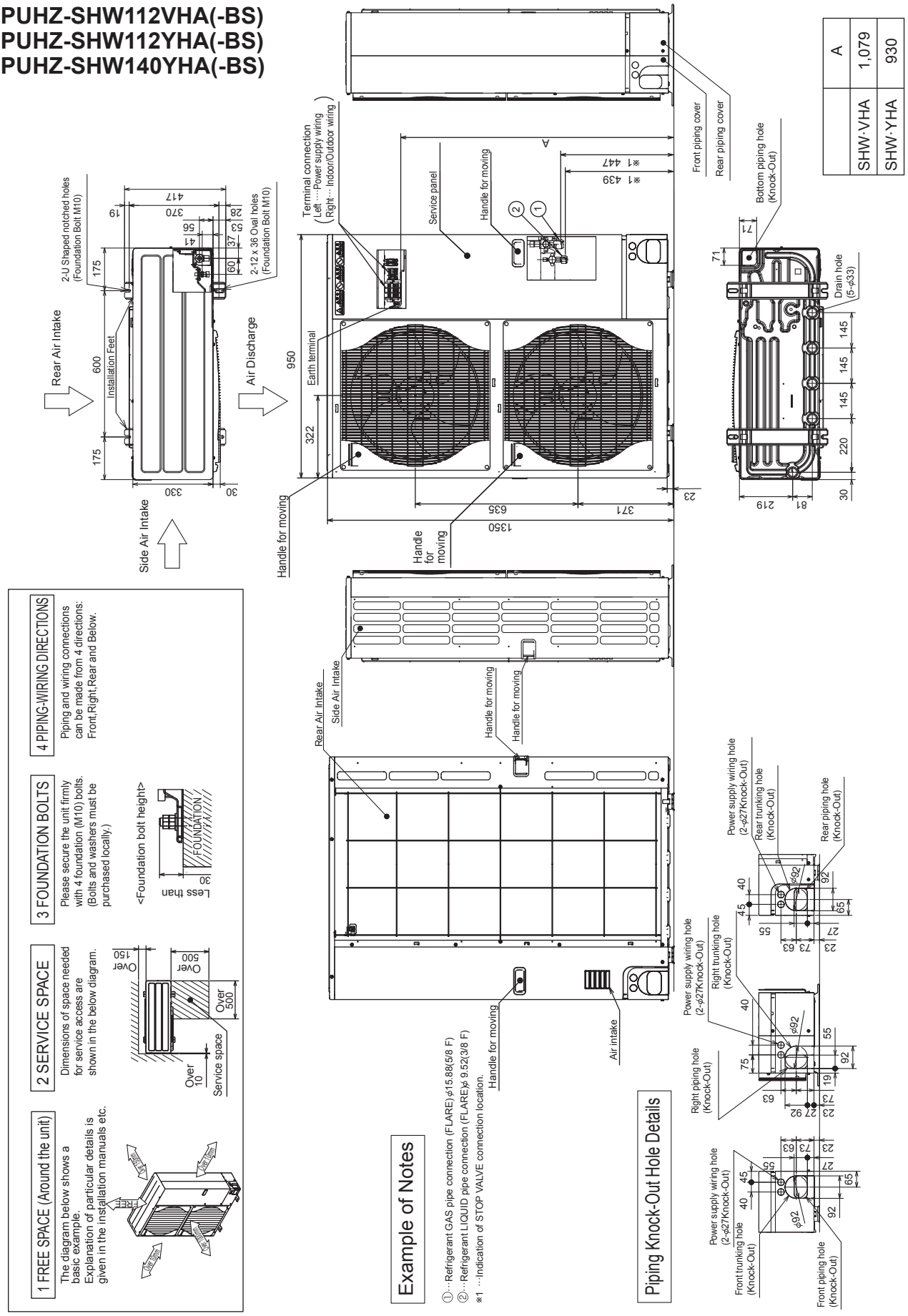


A.8.1.2 R410A type

Unit : mm

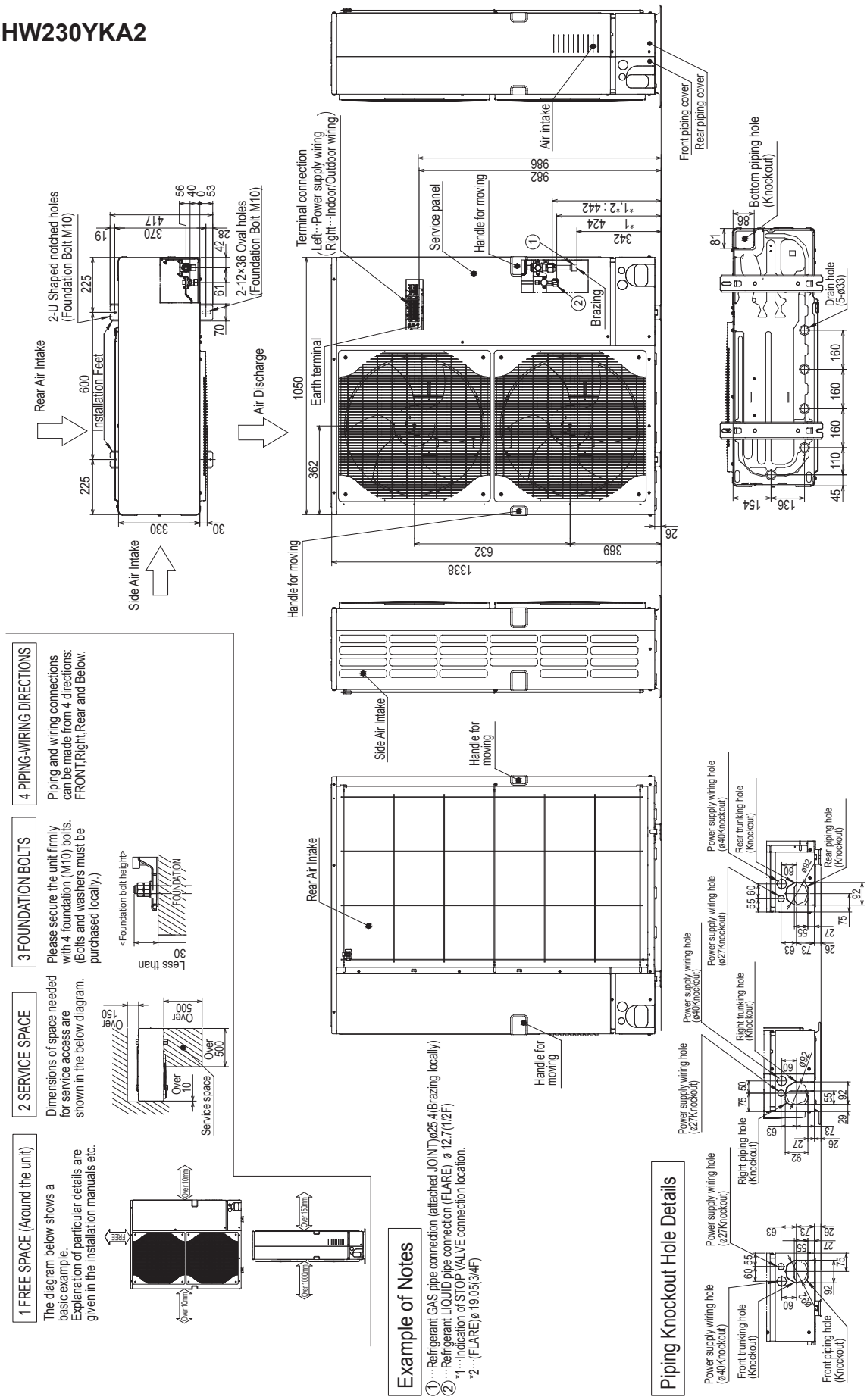
1. PUHZ-SHW•HA PUHZ-SHW•KA

PUHZ-SHW112VHA(-BS)
PUHZ-SHW112YHA(-BS)
PUHZ-SHW140YHA(-BS)



Unit : mm

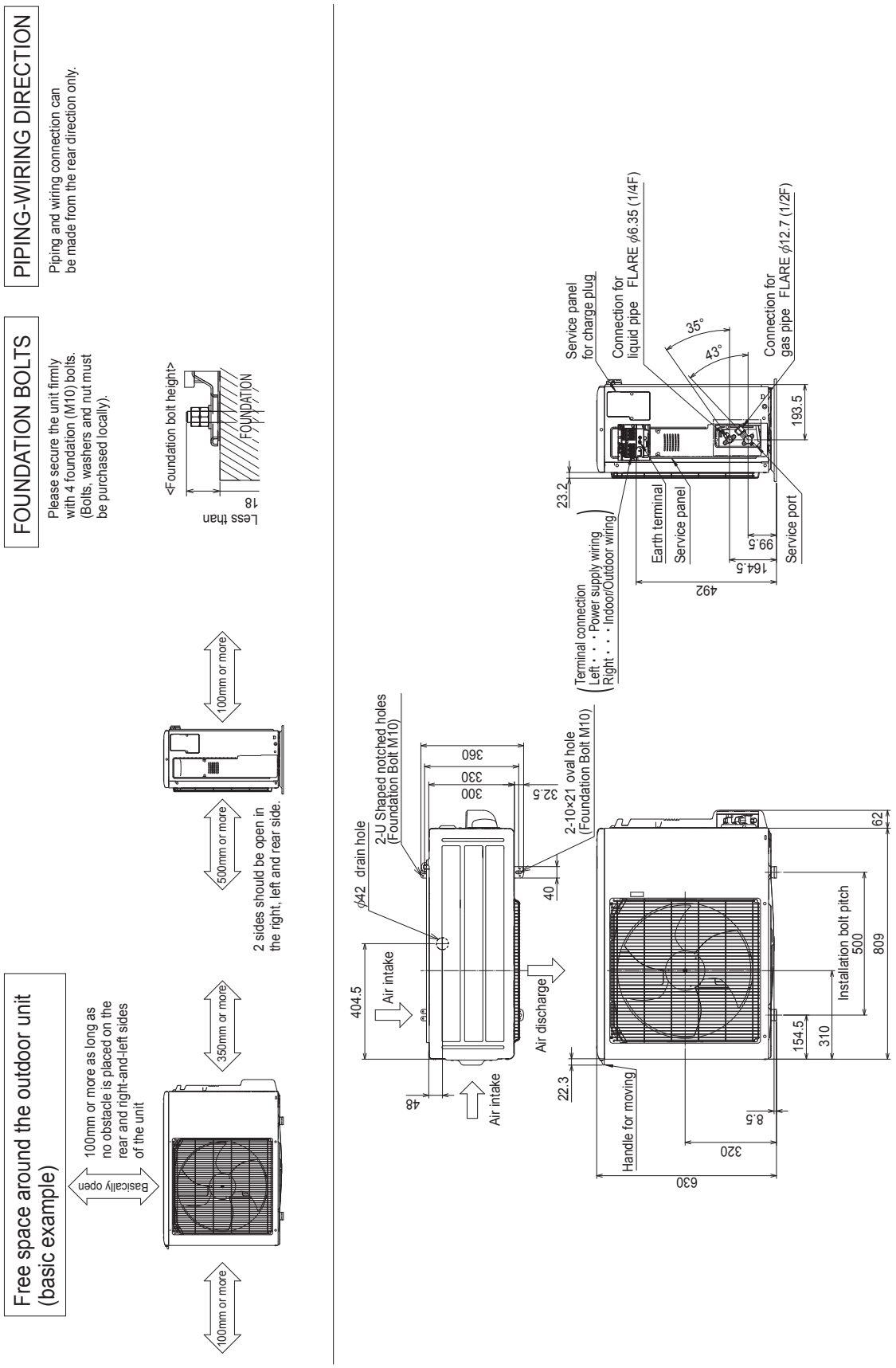
PUHZ-SHW230YKA2



2. PUHZ-ZRP•KA2(3),HA2

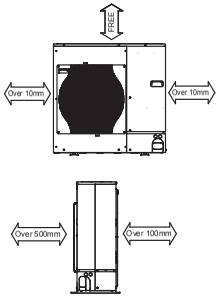
PUHZ-ZRP35VKA2
PUHZ-ZRP50VKA2

Unit : mm



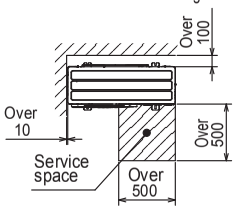
1 FREE SPACE (Around the unit)

The diagram below shows a basic example.
Explanation of particular details are given in the installation manuals etc.



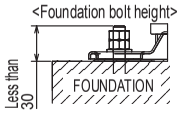
2 SERVICE SPACE

Dimensions of space needed for service access are shown in the below diagram.



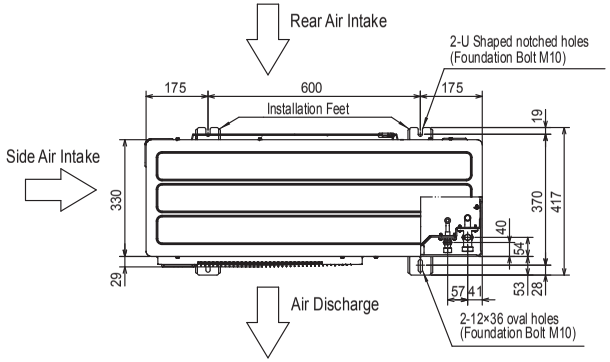
3 FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10) bolts. (Bolts and washers must be purchased locally.)



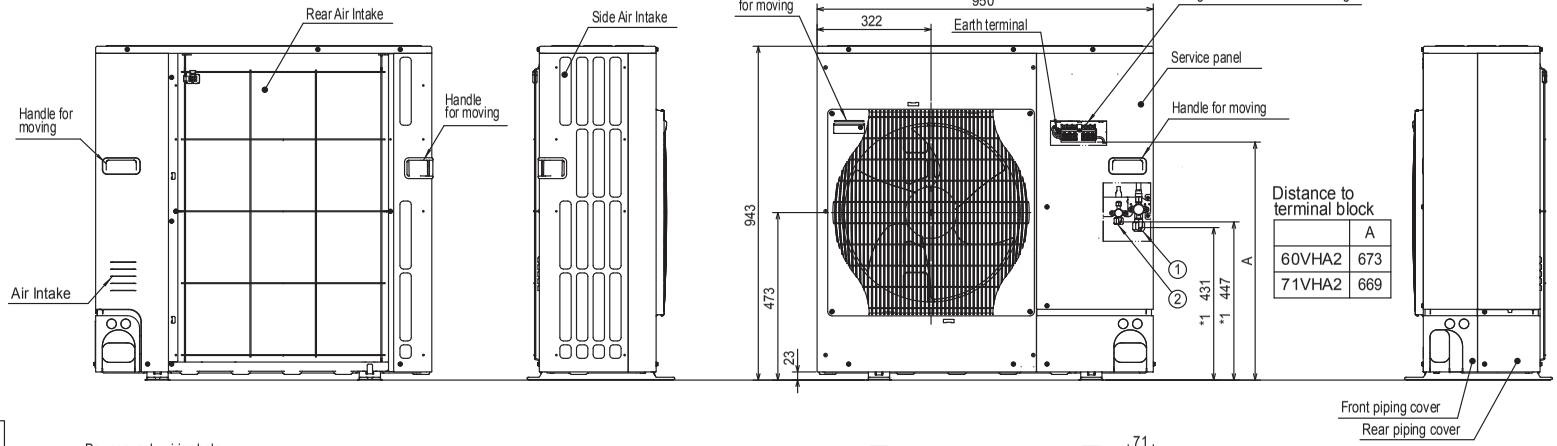
4 PIPING-WIRING DIRECTIONS

Piping and wiring connections can be made from 4 directions: FRONT,Right,Rear and Below.



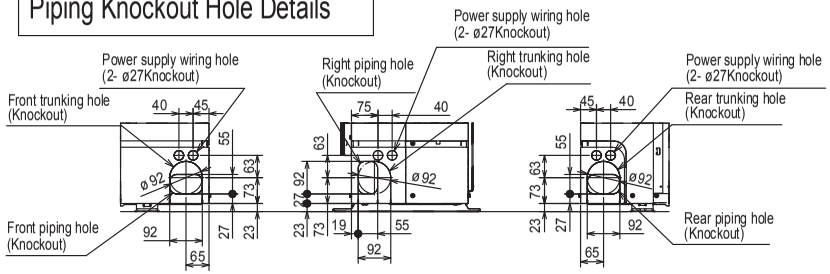
Example of Notes

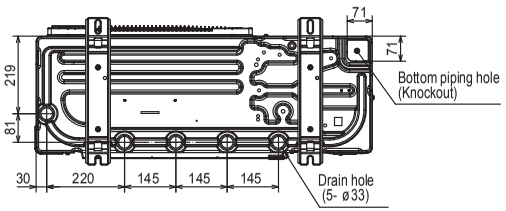
(1) ···Refrigerant GAS pipe connection (FLARE) ø15.88 (5/8F)
(2) ···Refrigerant LIQUID pipe connection (FLARE) ø9.52 (3/8F)
*1 ··· Indication of STOP VALVE connection location.



	A
60VHA2	673
71VHA2	669

Piping Knockout Hole Details

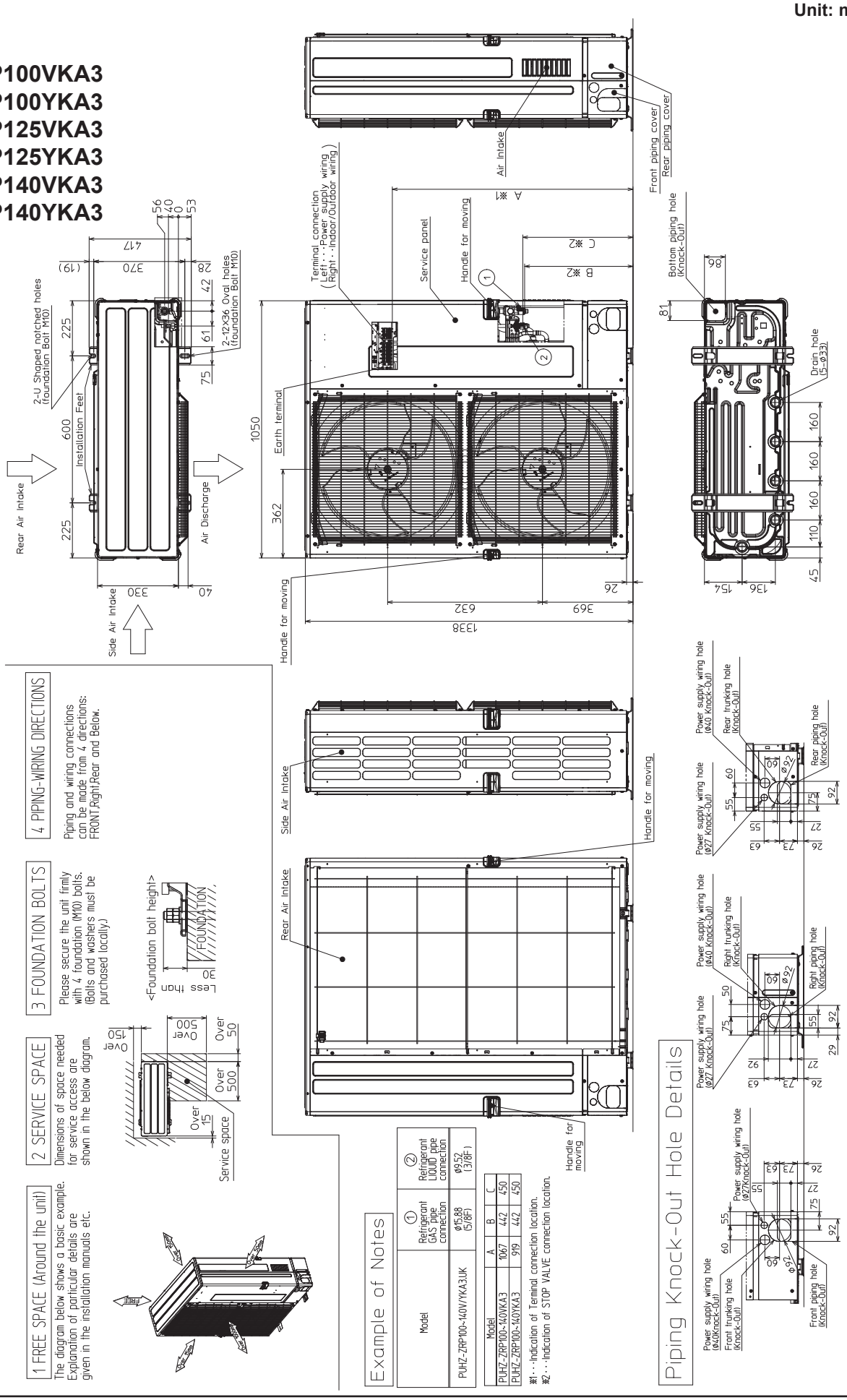




Unit : mm

Unit: mm

PUHZ-ZRP100VKA3
PUHZ-ZRP100YKA3
PUHZ-ZRP125VKA3
PUHZ-ZRP125YKA3
PUHZ-ZRP140VKA3
PUHZ-ZRP140YKA3

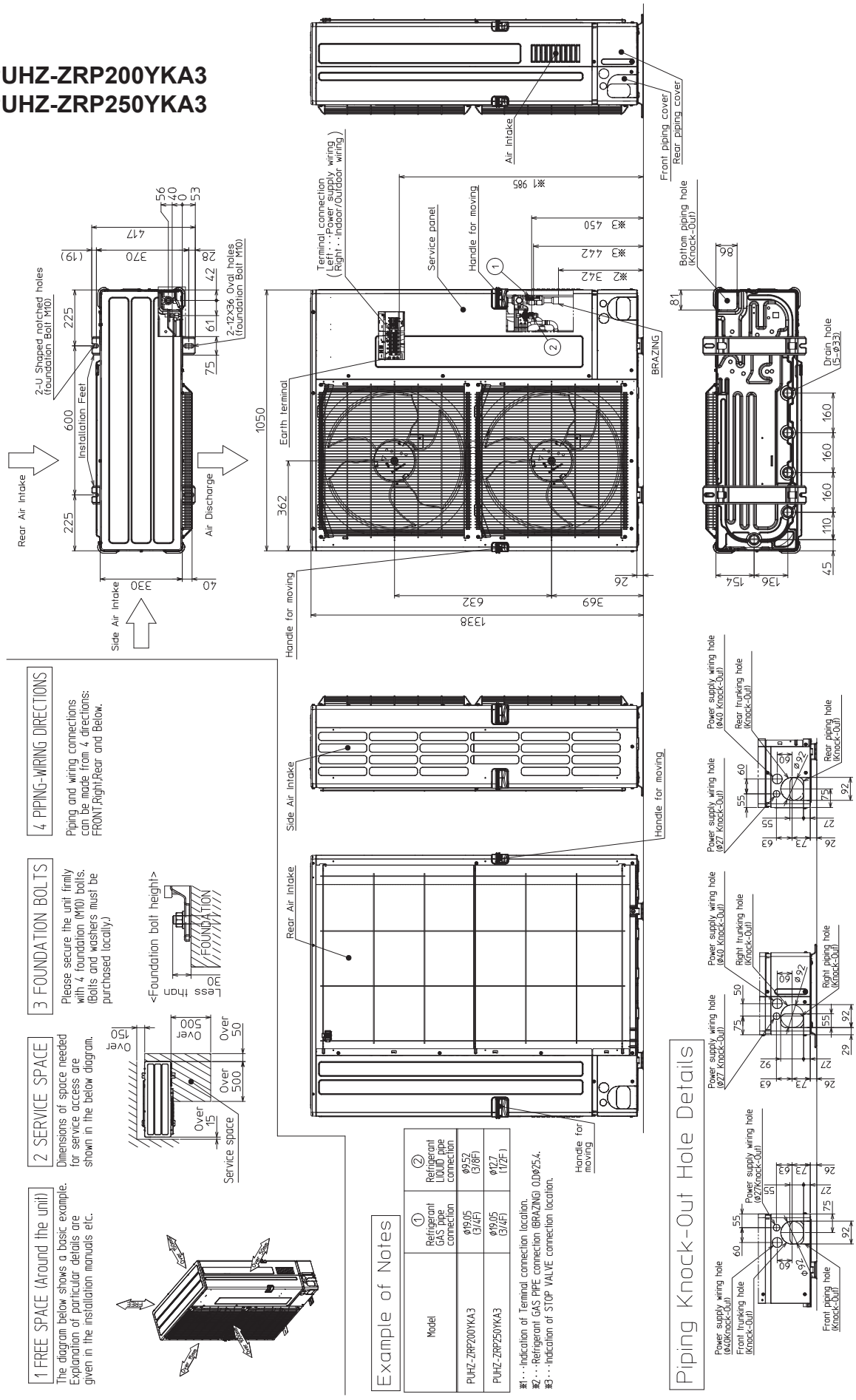


Model	① Refrigerant GAS pipe connection	② Refrigerant LIQUID pipe connection
PUHZ-ZRP100-140VKA3.UK	ø15.88 (5/8F)	ø9.52 (3/8F)

Model	A	B	C
PUHZ-ZRP100-140VKA3	1067	442	450
PUHZ-ZRP100-140YKA3	919	442	450

Unit: mm

PUHZ-ZRP200YKA3
PUHZ-ZRP250YKA3



1 FREE SPACE (Around the unit)

The diagram below shows a basic example. Explanation of particular details are given in the installation manuals etc.

2 SERVICE SPACE

Dimensions of space needed for service access are shown in the below diagram.

3 FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10) bolts. (Bolts and washers must be purchased locally.)

4 PIPING-WIRING DIRECTIONS

Piping and wiring connections can be made from 4 directions: FRONT,Right,Rear and Below.

Example of Notes

Model	① Refrigerant GAS pipe connection	② Refrigerant LIQUID pipe connection
PUHZ-ZRP200YKA3	ø19.05 (3/4F)	ø9.52 (3/8F)
PUHZ-ZRP250YKA3	ø19.05 (3/4F)	ø12.7 (1/2F)

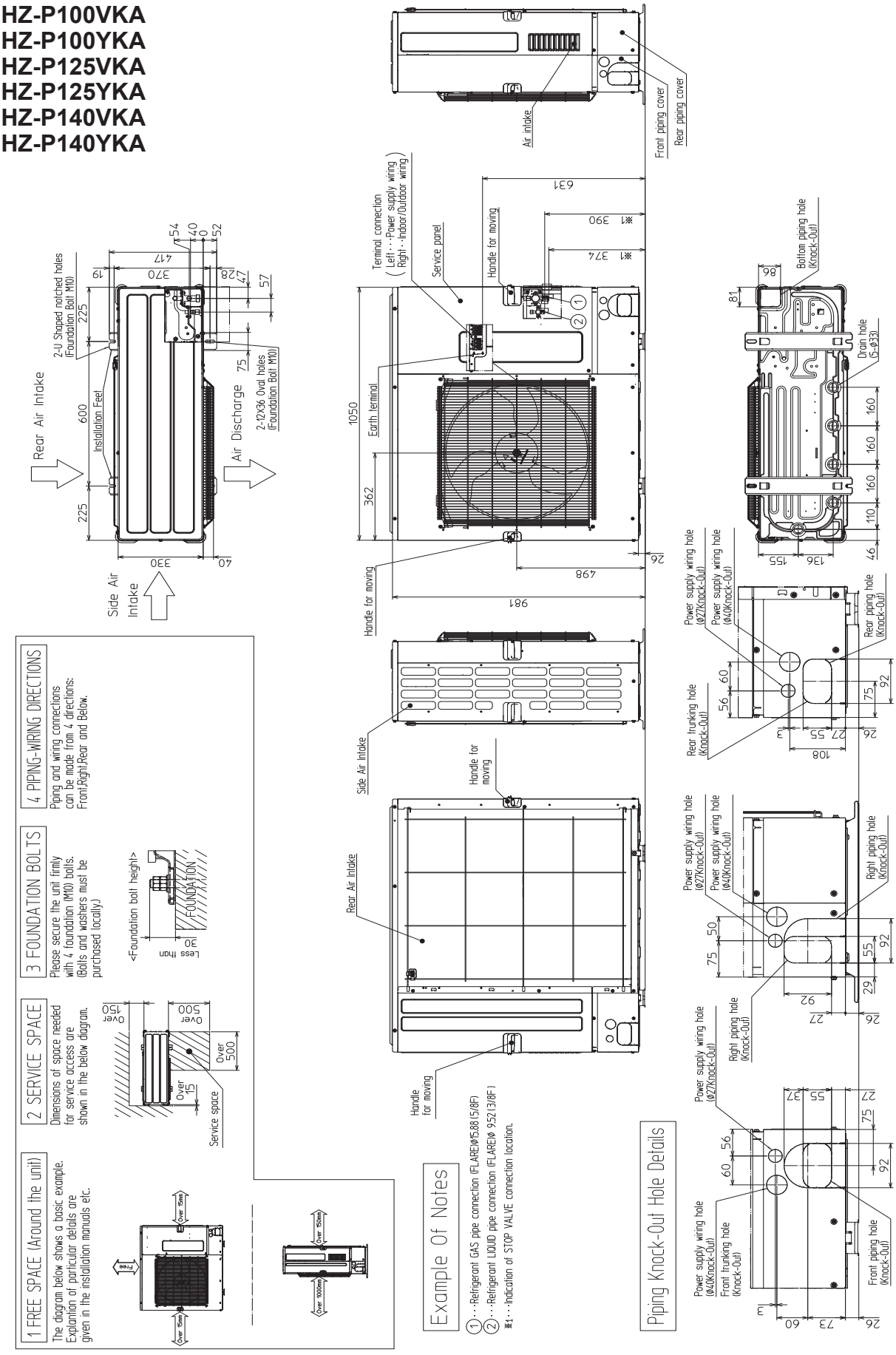
※1···Indication of Terminal connection location.
※2···Refrigerant GAS PIPE connection (BRAZING) O.D.ø25.4.
※3···Indication of STOP VALVE connection location.

Piping Knock-Out Hole Details

Unit: mm

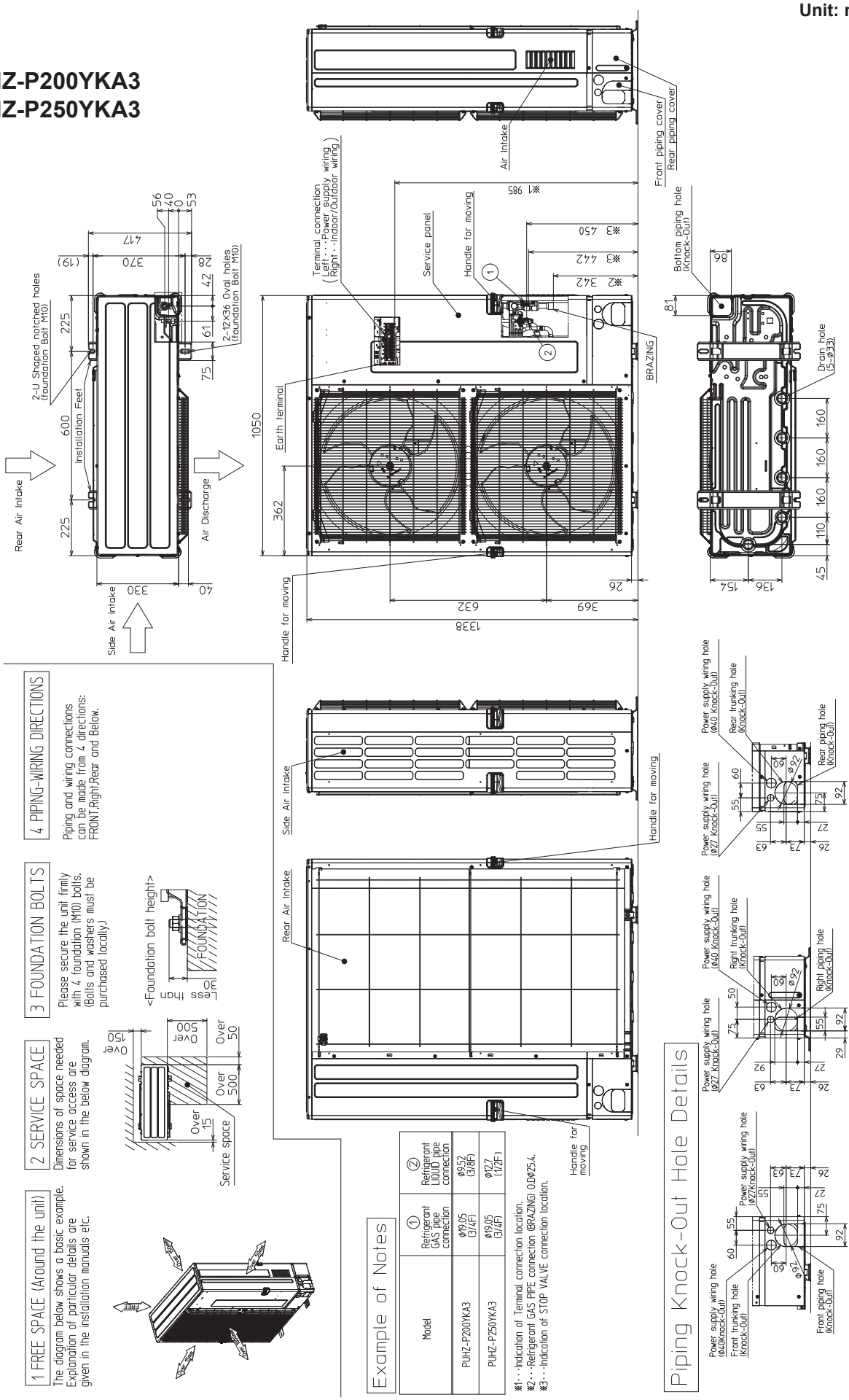
3. PUHZ-P•KA

PUHZ-P100VKA
PUHZ-P100YKA
PUHZ-P125VKA
PUHZ-P125YKA
PUHZ-P140VKA
PUHZ-P140YKA



Unit: mm

PUHZ-P200YKA3
PUHZ-P250YKA3



1 FREE SPACE (Around the unit)

The diagram below shows a basic example. Explanation of particular details are given in the installation manuals etc.

2 SERVICE SPACE

Dimensions of space needed for service access are shown in the below diagram.

3 FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10) bolts. (Bolts and washers must be purchased locally.)

4 PIPING-WIRING DIRECTIONS

Piping and wiring connections can be made from 4 directions: FRONT,Right,Rear and Below.

Example of Notes

Model	① Refrigerant GAS pipe connection	② Refrigerant LIQUID pipe connection
PUHZ-P200YKA3	ø19.05 (3/4F)	ø9.52 (3/8F)
PUHZ-P250YKA3	ø19.05 (3/4F)	ø12.7 (1/2F)

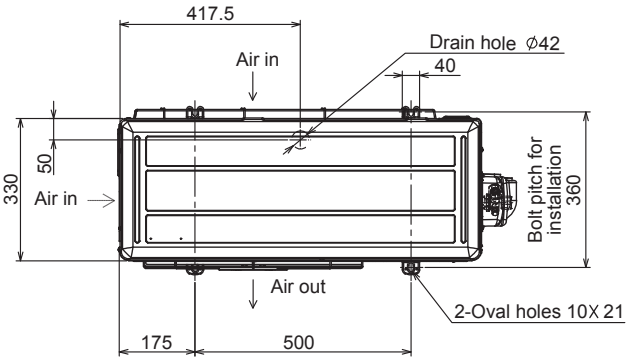
※1···Indication of Terminal connection location.
※2···Refrigerant GAS PIPE connection (BRAZING) O.D.ø25.4.
※3···Indication of STOP VALVE connection location.

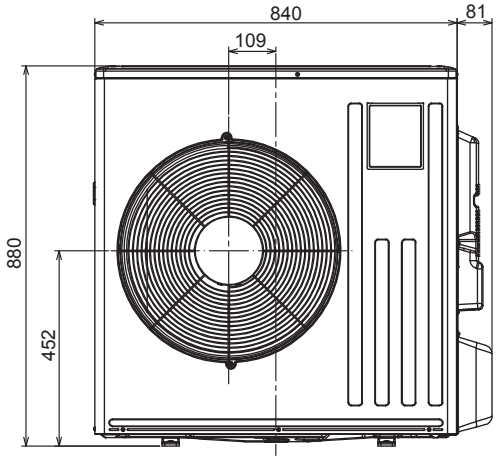
Piping Knock-Out Hole Details

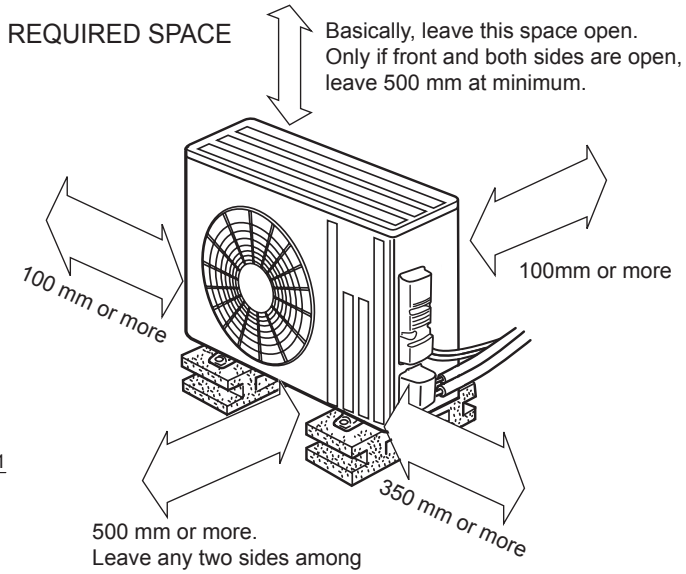
4. SUZ-SA•VA

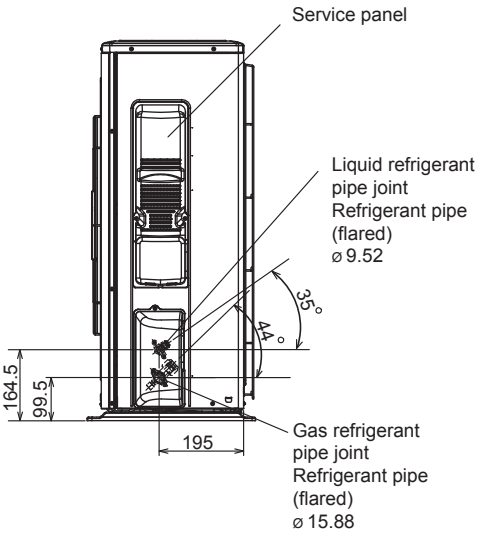
SUZ-SA71VA3
SUZ-SA100VA2

Unit: mm





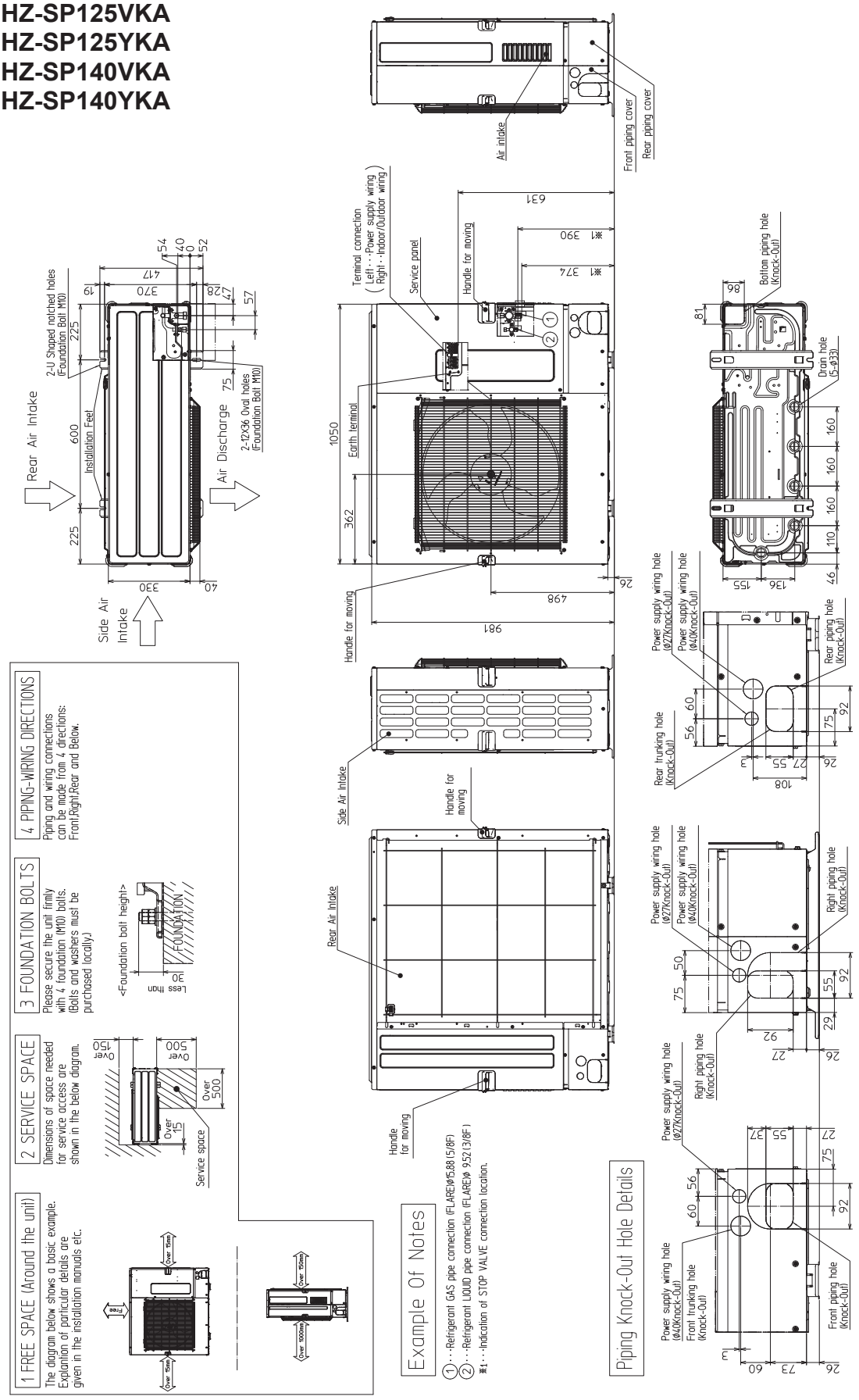




5. PUHZ-SP•KA

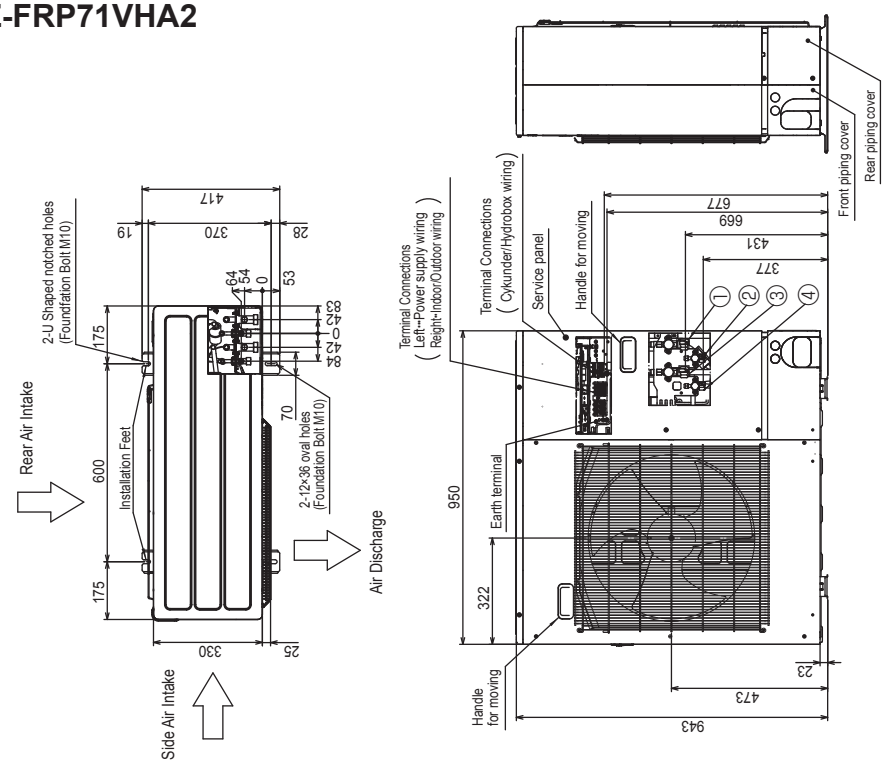
Unit: mm

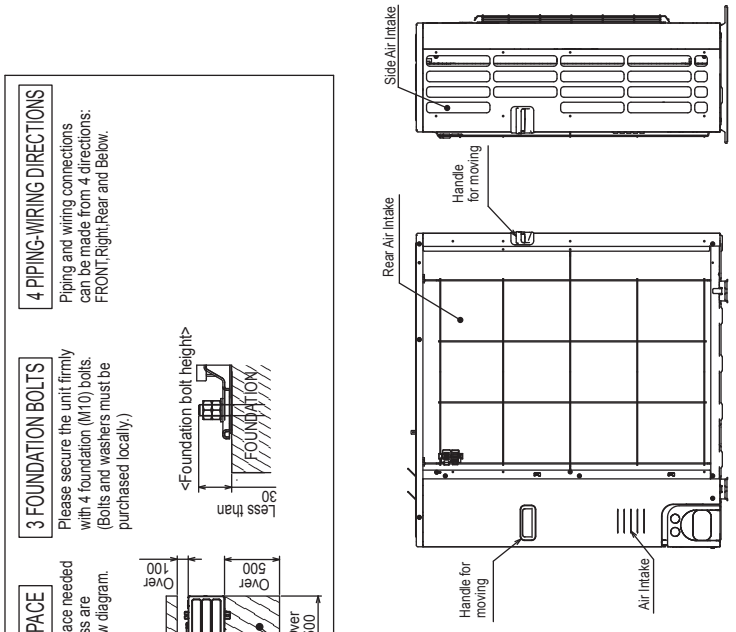
PUHZ-SP100YKA
PUHZ-SP125VKA
PUHZ-SP125YKA
PUHZ-SP140VKA
PUHZ-SP140YKA



6. PUHZ-FRP71VHA2

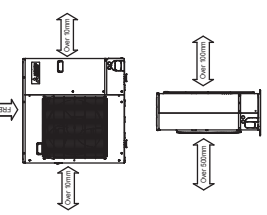
Unit : mm





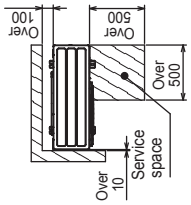
1 FREE SPACE (Around the unit)

The diagram below shows a basic example. Explantion of particular details are given in the installation manuals etc.



2 SERVICE SPACE

Dimensions of space needed for service access are shown in the below diagram.



3 FOUNDATION BOLTS

Please secure the unit firmly with 4 foundation (M10) bolts. (Bolts and washers must be purchased locally.)

4 PIPING-WIRING DIRECTIONS

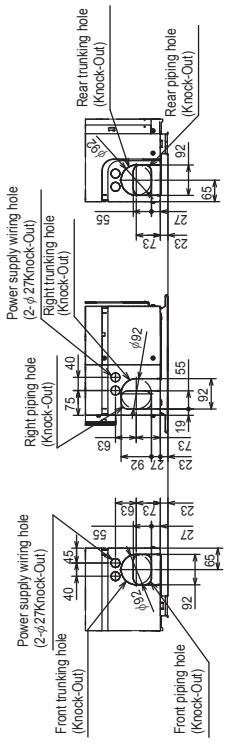
Piping and wiring connections can be made from 4 directions: FRONT,Right,Rear and Below.

Example of Notes

① --Refrigerant GAS pipe connction (FLARE) φ15.88(5/8F)
*Connect to indoor unit.
② --Refrigerant LIQUID pipe connection (FLARE) φ9.52(3/8F)
*Connect to indoor unit.
③ --Refrigerant GAS pipe connction (FLARE) φ15.88(5/8F)
*Connect to cylinder unit or hydrobox.
④ --Refrigerant LIQUID pipe connection (FLARE) φ9.52(3/8F)
*Connect to cylinder unit or hydrobox.

This tap mark indicates the cylinder/hydro unit connection side for the following parts.
•Terminal bed for the connecting cables, S1/S2/S3.
•Stop valves, gas and liquid for the refrigerant connection.

Piping Knock-Out Hole Details



A.8.2 WIRING DIAGRAM

A.8.2.1 R32 type

1. PUZ-ZM•HA PUZ-ZM•KA

PUZ-ZM35VKA
PUZ-ZM50VKA

SYMBOL	NAME
TB1	Terminal Block 〈Power Supply, Indoor/Outdoor〉
MC	Motor for Compressor
MF1	Fan Motor
21S4	Solenoid Valve (4-Way Valve)
63H	High Pressure Switch
TH3	Thermistor 〈Liquid〉
TH4	Thermistor 〈Discharge〉
TH6	Thermistor 〈2-Phase Pipe〉
TH7	Thermistor 〈Ambient〉
TH8	Thermistor 〈Heat Sink〉
TH33	Thermistor 〈Comp. Surface〉
LEV-A, LEV-B	Linear Expansion Valve
ACL	Reactor
C. B.	Controller Circuit Board
F1, F2	Fuse 〈T10AL250V〉
F3, F4	Fuse 〈T3.15AL250V〉
CNDM	Connector 〈Connection for Option〉
CN51	Connector 〈Connection for Option〉
CNMNT	Connector 〈Connection for Option〉
CNVMNT	Connector 〈Connection for Option〉

SYMBOL	NAME
S. B.	Switch Board
SW1	Switch 〈Manual Defrost, Defect History Record Reset, Refrigerant Address〉
SW4	Switch 〈Test Operation〉
SW5	Switch 〈Function Switch〉
SW6	Switch 〈Model Select〉
SW7	Switch 〈Function Switch〉
SW8	Switch 〈Function Switch〉
SWP	Switch 〈Pump Down〉
CN31	Connector 〈Connection for Option〉
CNM	Connector 〈Connection for Option〉

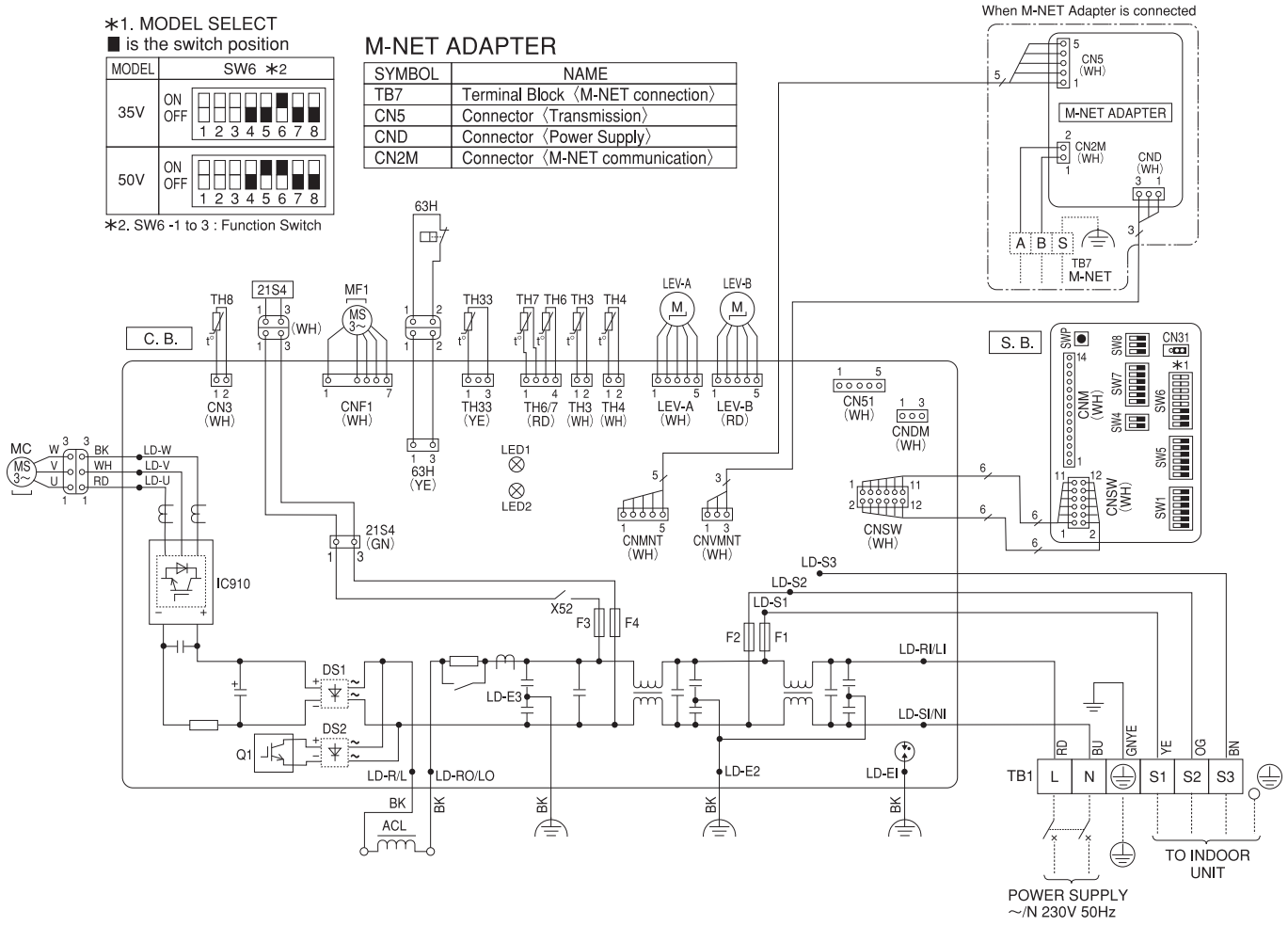
∗1. MODEL SELECT
■ is the switch position

MODEL	SW6 ∗2
35V	ON OFF 1 2 3 4 5 6 7 8
50V	ON OFF 1 2 3 4 5 6 7 8

∗2. SW6 -1 to 3 : Function Switch

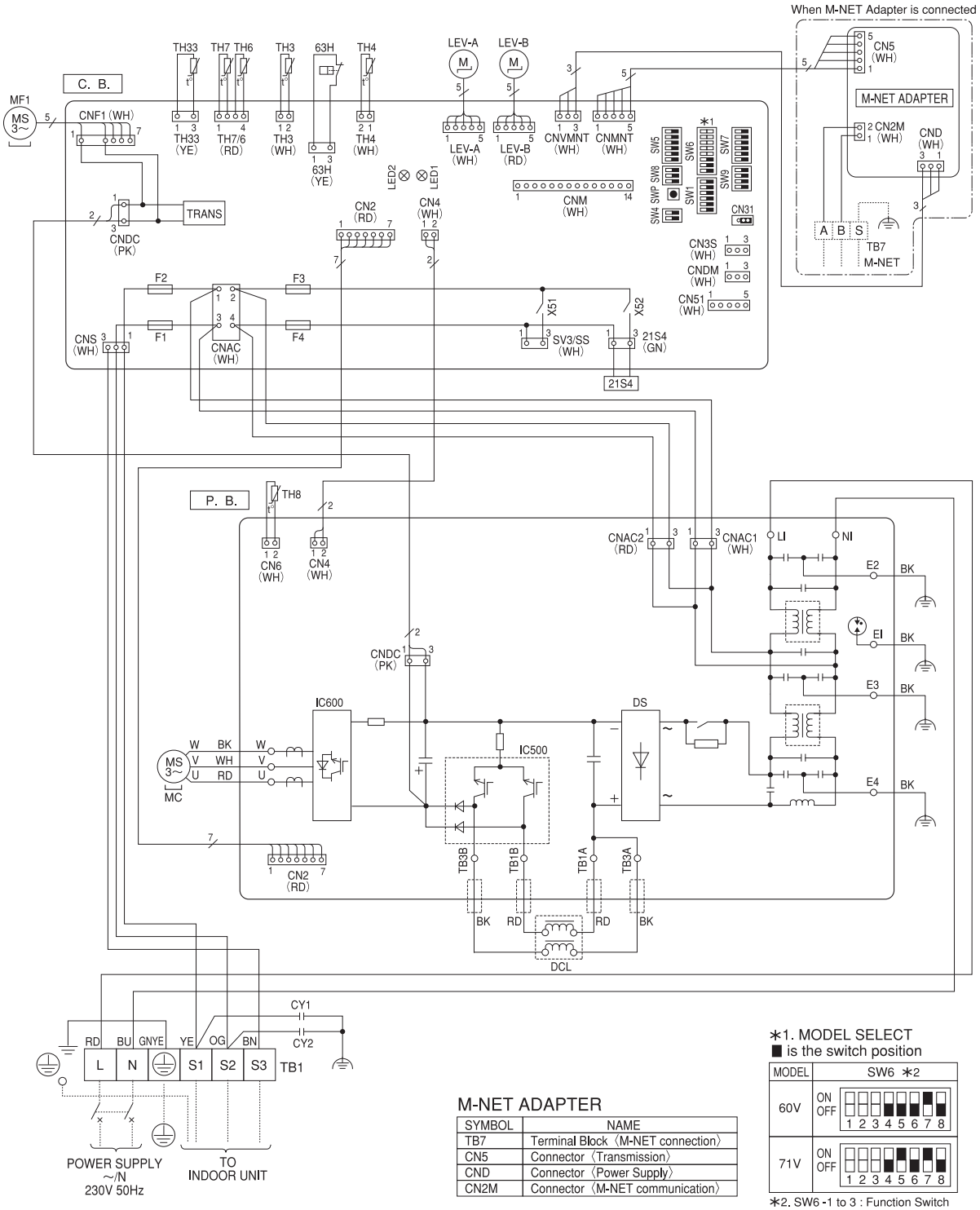
M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block 〈M-NET connection〉
CN5	Connector 〈Transmission〉
CND	Connector 〈Power Supply〉
CN2M	Connector 〈M-NET communication〉



PUZ-ZM60VHA
PUZ-ZM71VHA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block 〈Power Supply, Indoor/Outdoor〉	CY1, CY2	Capacitor	SW8	Switch 〈Function Switch〉
MC	Motor for Compressor	DCL	Reactor	SW9	Switch 〈Function Switch〉
MF1	Fan Motor	P.B.	Power Circuit Board	SWP	Switch 〈Pump Down〉
21S4	Solenoid Valve (4-Way Valve)	C.B.	Controller Circuit Board	CN31	Connector 〈Connection for Option〉
63H	High Pressure Switch	F1, F2	Fuse 〈T10AL250V〉	CNDM	Connector 〈Connection for Option〉
TH3	Thermistor 〈Liquid〉	F3, F4	Fuse 〈T6.3AL250V〉	CN51	Connector 〈Connection for Option〉
TH4	Thermistor 〈Discharge〉	SW1	Switch 〈Manual Defrost, Defect History Record Reset, Refrigerant Address〉	SV3/SS	Connector 〈Connection for Option〉
TH6	Thermistor 〈2-Phase Pipe〉			CNM	Connector 〈Connection for Option〉
TH7	Thermistor 〈Ambient〉	SW4	Switch 〈Test Operation〉	CN3S	Connector 〈Connection for Option〉
TH8	Thermistor 〈Heat Sink〉	SW5	Switch 〈Function Switch〉	LED1, LED2	LED
TH33	Thermistor 〈Comp. Surface〉	SW6	Switch 〈Model Select〉	X51, X52	Relay
LEV-A, LEV-B	Linear Expansion Valve	SW7	Switch 〈Function Switch〉		



M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block 〈M-NET connection〉
CN5	Connector 〈Transmission〉
CND	Connector 〈Power Supply〉
CN2M	Connector 〈M-NET communication〉

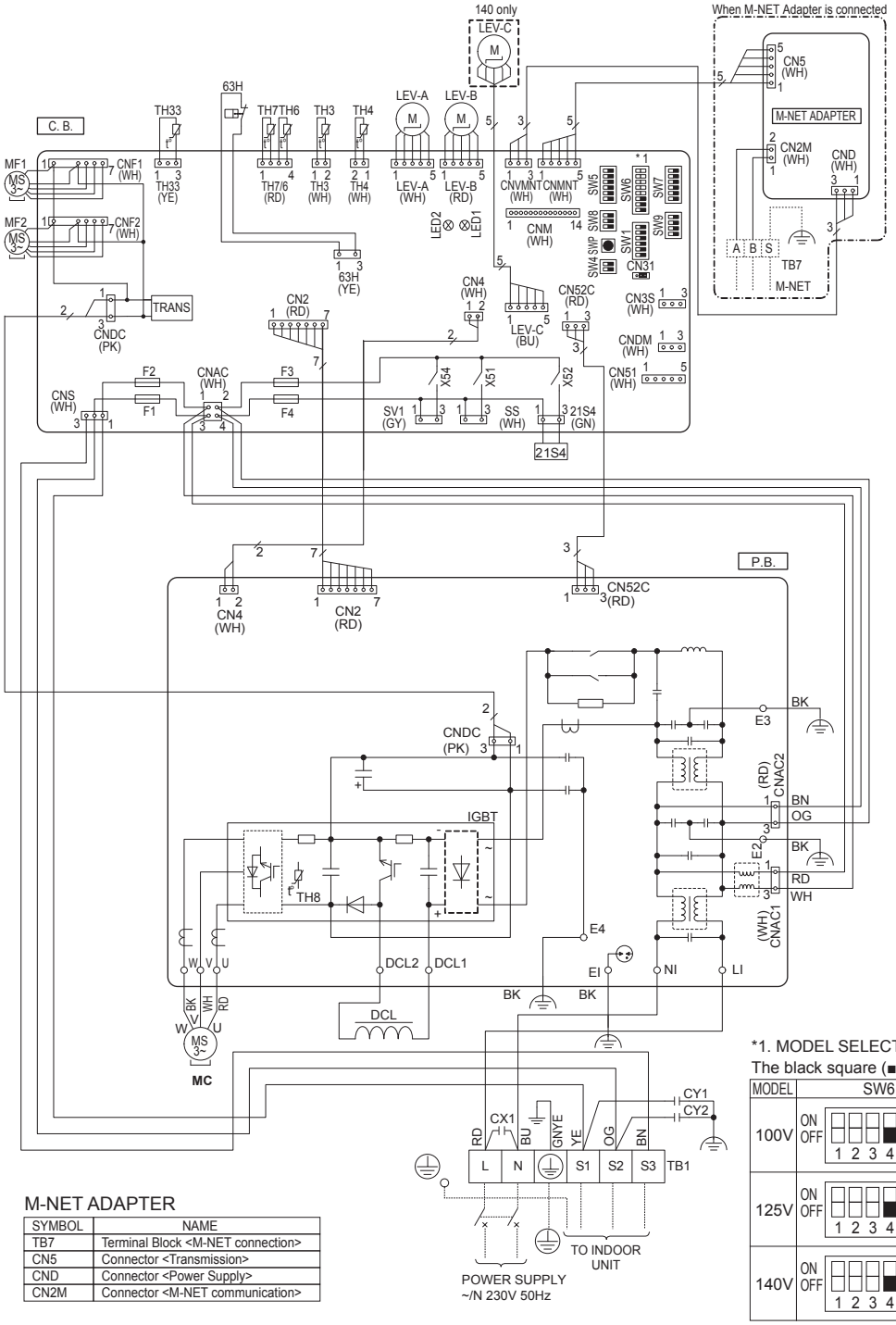
∗1. MODEL SELECT
■ is the switch position

MODEL	SW6 ∗2
60V	ON / OFF 1 2 3 4 5 6 7 8
71V	ON / OFF 1 2 3 4 5 6 7 8

∗2. SW6 -1 to 3 : Function Switch

PUZ-ZM100VKA
PUZ-ZM125VKA
PUZ-ZM140VKA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply, Indoor/Outdoor>	P.B.	Power Circuit Board	SWP	Switch <Pump Down>
MC	Motor for Compressor	U/V/W	Connection Terminal <U/V/W-Phase>	CN31	Connector <Emergency Operation>
MF1, MF2	Fan Motor	LI	Connection Terminal <L-Phase>	CN3S	Connector <Connection for Option>
21S4	Solenoid Valve (4-Way Valve)	NI	Connection Terminal <N-Phase>	CNDM	Connector <Connection for Option>
63H	High Pressure Switch	DCL1, DCL2	Connection Terminal <Reactor>	CN51	Connector <Connection for Option>
TH3	Thermistor <Liquid>	IGBT	Power Module	SV1	Connector <Connection for Option>
TH4	Thermistor <Discharge>	EI, E2, E3, E4	Connection Terminal <Ground>	SS	Connector <Connection for Option>
TH6	Thermistor <2-Phase Pipe>	C.B.	Controller Circuit Board	CNM	Connector <Connection for Option>
TH7	Thermistor <Ambient>	SW1	Switch <Manual Defrost, Defect History, Record Reset, Refrigerant Address>	CNMNT	Connector <Connect to Optional M-NET Adapter Board>
TH8	Thermistor <Heat Sink>	SW4	Switch <Test Operation>	CNVMNT	Connector <Connect to Optional M-NET Adapter Board>
TH33	Thermistor <Comp. Surface>	SW5	Switch <Function Switch>	LED1, LED2	LED <Operation Inspection Indicators>
LEV-A, LEV-B, LEV-C	Linear Expansion Valve	SW6	Switch <Model Select>	F1, F2, F3, F4	Fuse <T6.3AL250V>
DCL	Reactor	SW7	Switch <Function Switch>	X51, X52, X54	Relay
CY1, CY2	Capacitor	SW8	Switch <Function Switch>		
CX1	Capacitor	SW9	Switch <Function Switch>		



M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

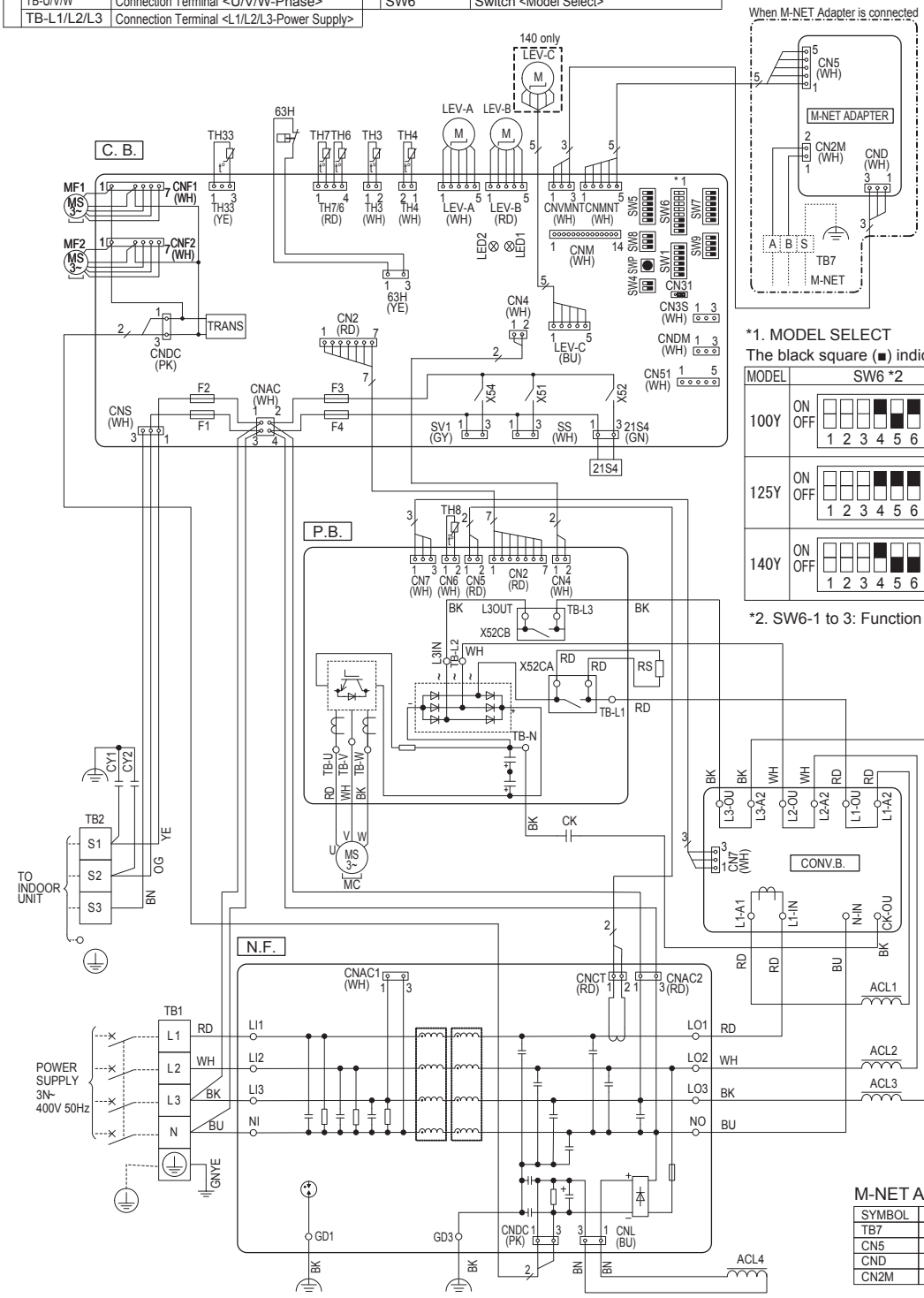
*1. MODEL SELECT
The black square (■) indicates a switch position.

MODEL	SW6 *2
100V	ON / OFF 1 2 3 4 5 6 7 8
125V	ON / OFF 1 2 3 4 5 6 7 8
140V	ON / OFF 1 2 3 4 5 6 7 8

*2. SW6-1 to 3: Function switch

PUZ-ZM100YKA
PUZ-ZM125YKA
PUZ-ZM140YKA

SYMBOL	NAME
TB1	Terminal Block <Power Supply>
TB2	Terminal Block <Indoor/Outdoor>
MC	Motor for Compressor
MF1, MF2	Fan Motor
21S4	Solenoid Valve (4-Way Valve)
63H	High Pressure Switch
TH3	Thermistor <Liquid>
TH4	Thermistor <Discharge>
TH6	Thermistor <2-Phase Pipe>
TH7	Thermistor <Ambient>
TH8	Thermistor <Heat Sink>
TH33	Thermistor <Comp. Surface>
LEV-A, LEV-B, LEV-C	Linear Expansion Valve
ACL1,ACL2,ACL3,ACL4	Reactor
CK	Capacitor
RS	Rush Current Protect Resistor
CY1, CY2	Capacitor
P.B.	Power Circuit Board
TB-U/V/W	Connection Terminal <U/V/W-Phase>
TB-L1/L2/L3	Connection Terminal <L1/L2/L3-Power Supply>
TB-N	Connection Terminal
X52CA/B	52C Relay
N.F.	Noise Filter Circuit Board
LI1/LI2/LI3/NI	Connection Terminal <L1/L2/L3/N-Power Supply>
LO1/LO2/LO3/NO	Connection Terminal <L1/L2/L3/N-Power Supply>
GD1,GD3	Connection Terminal <Ground>
CONV.B.	Converter Circuit Board
L1-A1/IN	Connection Terminal <L1-Power Supply>
L1-A2/OU	Connection Terminal <L1-Power Supply>
L2-A2/OU	Connection Terminal <L2-Power Supply>
L3-A2/OU	Connection Terminal <L3-Power Supply>
N-IN	Connection Terminal
CK-OU	Connection Terminal
C.B.	Controller Circuit Board
SW1	Switch <Manual Defrost, Defect History, Record Reset, Refrigerant Address>
SW4	Switch <Test Operation>
SW5	Switch <Function Switch>
SW6	Switch <Model Select>
SW7	Switch <Function Switch>
SW8	Switch <Function Switch>
SW9	Switch <Function Switch>
SWP	Switch <Pump Down>
CN31	Connector <Emergency Operation>
CN3S	Connector <Connection for Option>
CNDM	Connector <Connection for Option>
CN51	Connector <Connection for Option>
SV1	Connector <Connection for Option>
SS	Connector <Connection for Option>
CNM	Connector <Connection for Option>
CNMNT	Connector <Connect to Optional M-NET Adapter Board>
CNVMNT	Connector <Connect to Optional M-NET Adapter Board>
LED1, LED2	LED <Operation Inspection Indicators>
F1, F2, F3, F4	Fuse <T6.3AL250V>
X51, X52, X54	Relay



*1. MODEL SELECT
The black square (■) indicates a switch position.

MODEL	SW6 *2
100Y	ON OFF 1 2 3 4 5 6 7 8
125Y	ON OFF 1 2 3 4 5 6 7 8
140Y	ON OFF 1 2 3 4 5 6 7 8

*2. SW6-1 to 3: Function switch

M-NET ADAPTER

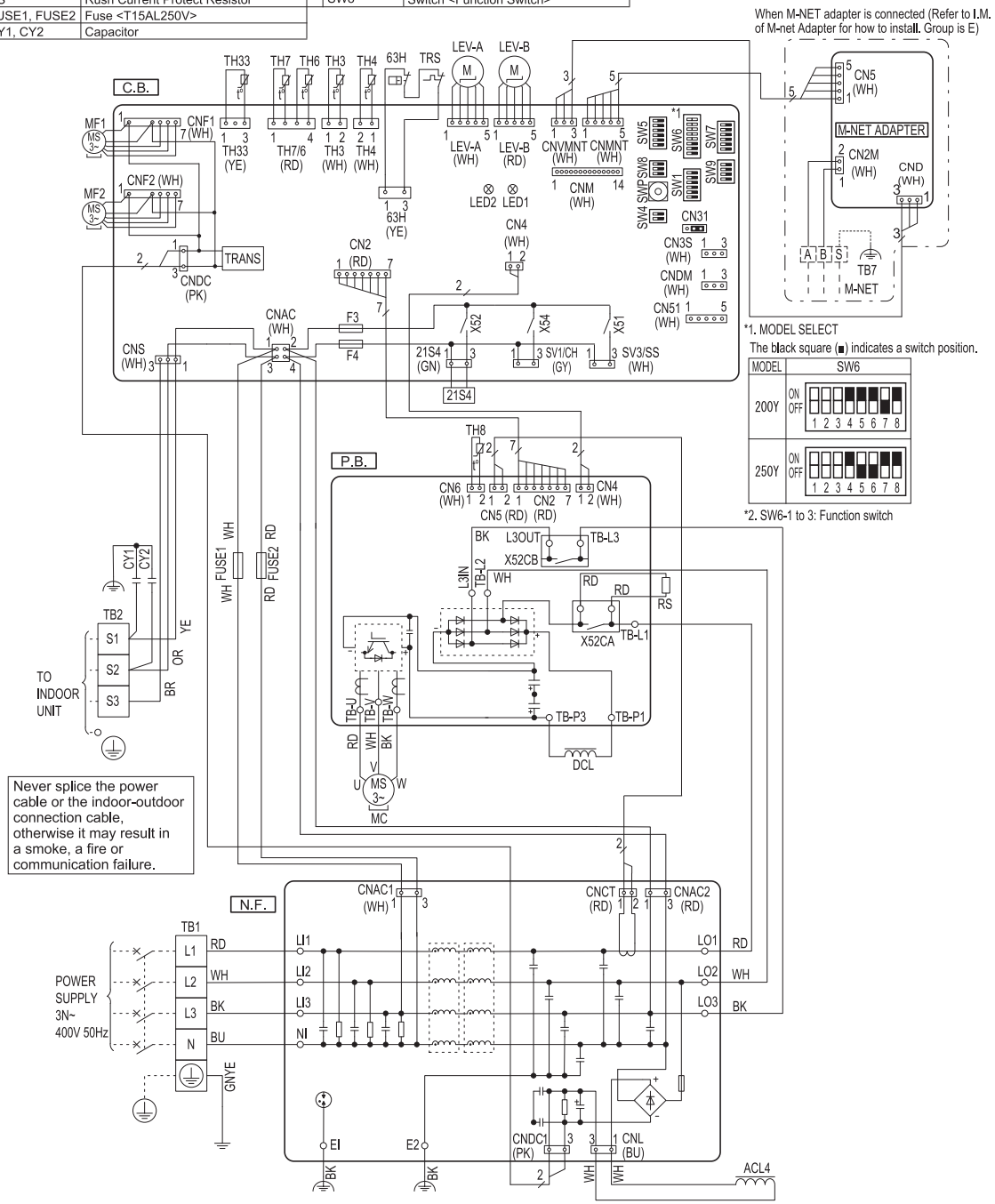
SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

PUZ-ZM200YKA
PUZ-ZM250YKA

SYMBOL	NAME
TB1	Terminal Block <Power Supply>
TB2	Terminal Block <Indoor/Outdoor>
MC	Motor for Compressor
MF1, MF2	Fan Motor
21S4	Solenoid Valve (4-Way Valve)
63H	High Pressure Switch
TRS	Thermal Protector
TH3	Thermistor <Liquid>
TH4	Thermistor <Discharge>
TH6	Thermistor <2-Phase Pipe>
TH7	Thermistor <Ambient>
TH8	Thermistor <Heat Sink>
TH33	Thermistor <Comp. Surface>
LEV-A, LEV-B	Linear Expansion Valve
ACL4	Reactor
DCL	Reactor
RS	Rush Current Protect Resistor
FUSE1, FUSE2	Fuse <T15AL250V>
CY1, CY2	Capacitor

SYMBOL	NAME
P.B.	Power Circuit Board
TB-U/V/W	Connection Terminal <U/V/W-Phase>
TB-L1/L2/L3	Connection Terminal <L1/L2/L3-Power Supply>
TB-P1/P3	Connection Terminal
X52CA/B	52C Relay
N.F.	Noise Filter Circuit Board
LI1/LI2/LI3/NI	Connection Terminal <L1/L2/L3/N-Power Supply>
LO1/LO2/LO3	Connection Terminal <L1/L2/L3-Power Supply>
EI, E2	Connection Terminal <Ground>
C.B.	Controller Circuit Board
SW1	Switch <Manual Defrost, Defect History, Record Reset, Refrigerant Address>
SW4	Switch <Test Operation>
SW5	Switch <Function Switch>
SW6	Switch <Model Select>
SW7	Switch <Function Switch>
SW8	Switch <Function Switch>

SYMBOL	NAME
SW9	Switch <Function Switch>
SWP	Switch <Pump Down>
CN31	Connector <Emergency Operation>
CN3S	Connector <Connection for Option>
CNDM	Connector <Connection for Option>
CN51	Connector <Connection for Option>
SV1/CH	Connector <Connection for Option>
SV3/SS	Connector <Connection for Option>
CNM	Connector <Connection for Option>
CNMNT	Connector <Connect to Optional M-NET Adapter Board>
CNVMNT	Connector <Connect to Optional M-NET Adapter Board>
LED1, LED2	LED <Operation Inspection Indicators>
F3, F4	Fuse <T6.3AL250V>
X51, X52, X54	Relay



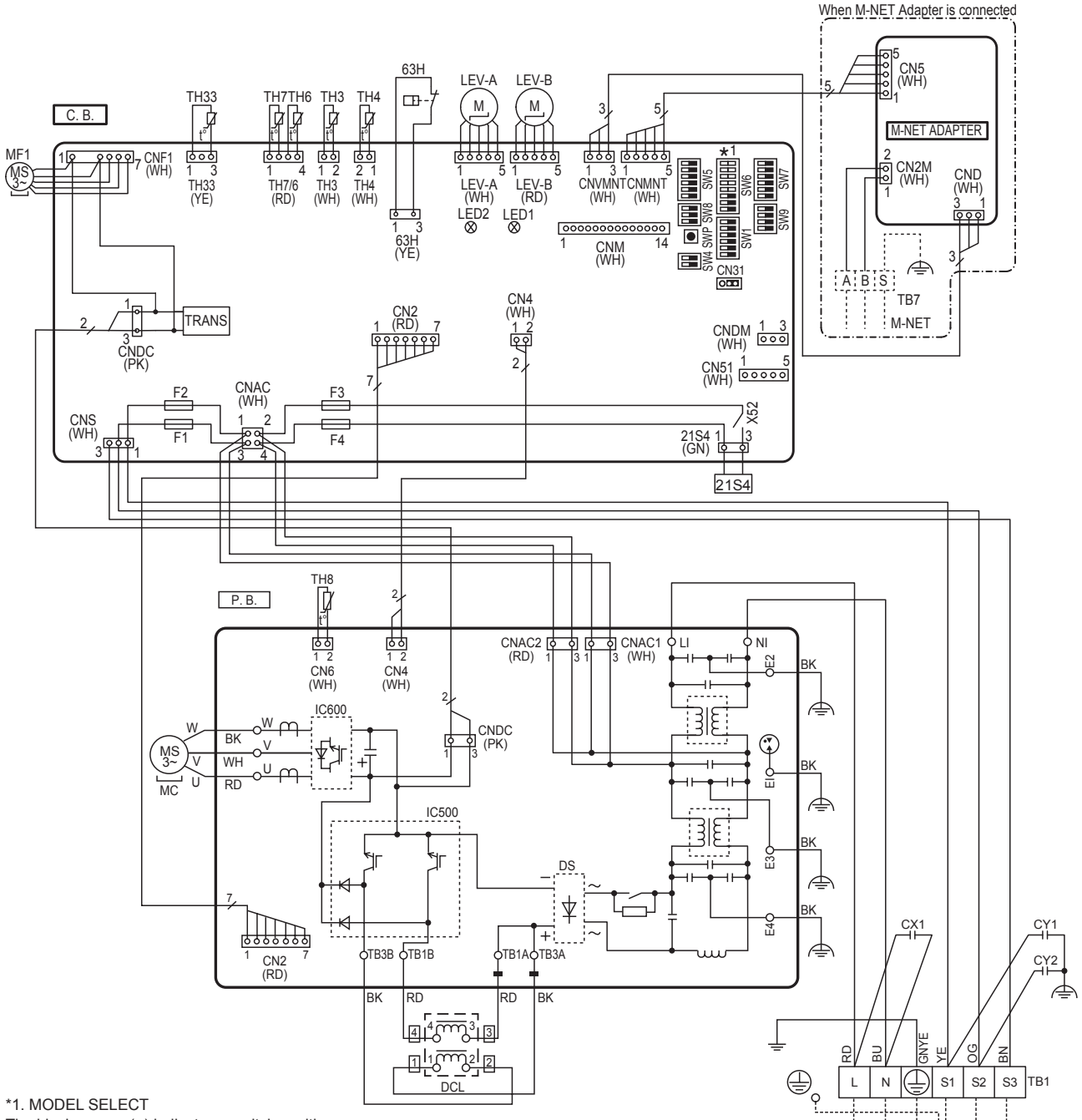
M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

2. PUZ-M•KA

PUZ-M100VKA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply, Indoor/Outdoor>	LEV-A, LEV-B	Linear Expansion Valve	SW5	Switch <Function Switch>
MC	Motor for Compressor	21S4	Solenoid Valve (4-Way Valve)	SW6	Switch <Model Select>
MF1	Fan Motor	DCL	Reactor	SW7	Switch <Function Switch>
63H	High Pressure Switch	CY1, CY2	Capacitor	SW8	Switch <Function Switch>
TH3	Thermistor <Liquid>	CX1	Capacitor	SW9	Switch <Function Switch>
TH4	Thermistor <Discharge>	P.B.	Power Circuit Board	SWP	Switch <Pump Down>
TH6	Thermistor <2-Phase Pipe>	C.B.	Controller Circuit Board	CN31	Connector <Emergency Operation>
TH7	Thermistor <Ambient>	F1, F2, F3, F4	Fuse <T6.3AL250V>	CN51	Connector <Connection for Option>
TH8	Thermistor <Heat Sink>	SW1	Switch <Manual Defrost, Defect History Record Reset, Refrigerant Address>	CNDM	Connector <Connection for Option>
TH33	Thermistor <Comp. Surface>			CNM	Connector <Connection for Option>
		SW4	Switch <Function Switch>	X52	Relay



*1. MODEL SELECT

The black square (■) indicates a switch position.

MODEL	SW6-4, 5, 6, 7, 8 *2
100V	ON / OFF 1 2 3 4 5 6 7 8

*2. SW6-1 to 3: Function switch

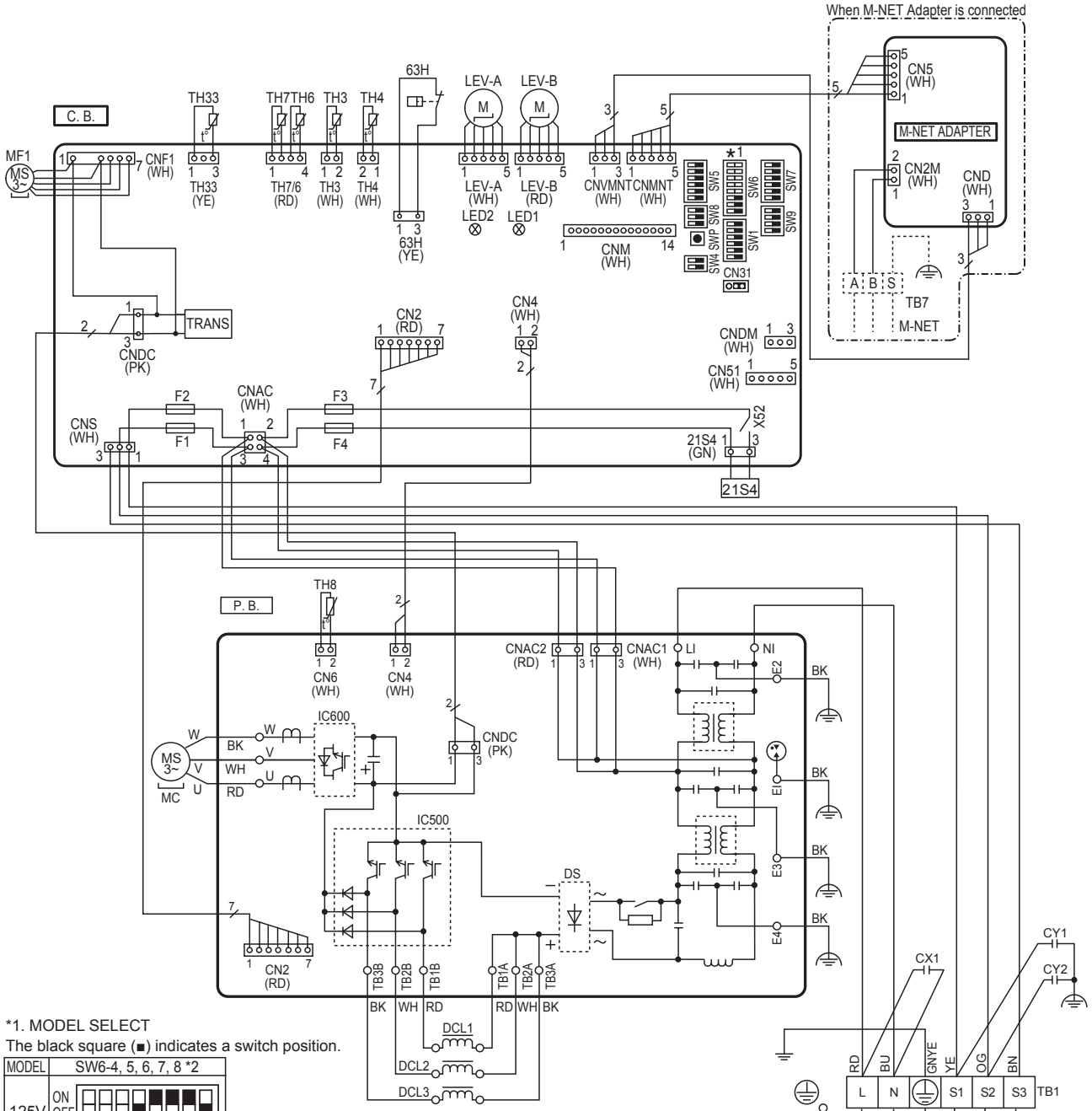
M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

Never splice the power cable or the indoor-outdoor connection cable, otherwise it may result in a smoke, a fire or communication failure.

PUZ-M125VKA
PUZ-M140VKA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply, Indoor/Outdoor>	21S4	Solenoid Valve (4-Way Valve)	SW6	Switch <Model Select>
MC	Motor for Compressor	DCL1, DCL2, DCL3	Reactor	SW7	Switch <Function Switch>
MF1	Fan Motor	CY1, CY2	Capacitor	SW8	Switch <Function Switch>
63H	High Pressure Switch	CX1	Capacitor	SW9	Switch <Function Switch>
TH3	Thermistor <Liquid>	P.B.	Power Circuit Board	SWP	Switch <Pump Down>
TH4	Thermistor <Discharge>	C.B.	Controller Circuit Board	CN31	Connector <Emergency Operation>
TH6	Thermistor <2-Phase Pipe>	F1, F2, F3, F4	Fuse <T6.3AL250V>	CN51	Connector <Connection for Option>
TH7	Thermistor <Ambient>	SW1	Switch <Manual Defrost, Defect History Record Reset, Refrigerant Address>	CNDM	Connector <Connection for Option>
TH8	Thermistor <Heat Sink>			CNM	Connector <Connection for Option>
TH33	Thermistor <Comp. Surface>	SW4	Switch <Function Switch>	X52	Relay
LEV-A, LEV-B	Linear Expansion Valve	SW5	Switch <Function Switch>		



*1. MODEL SELECT

The black square (■) indicates a switch position.

MODEL	SW6-4, 5, 6, 7, 8 *2
125V	ON OFF 1 2 3 4 5 6 7 8
140V	ON OFF 1 2 3 4 5 6 7 8

*2. SW6-1 to 3: Function switch

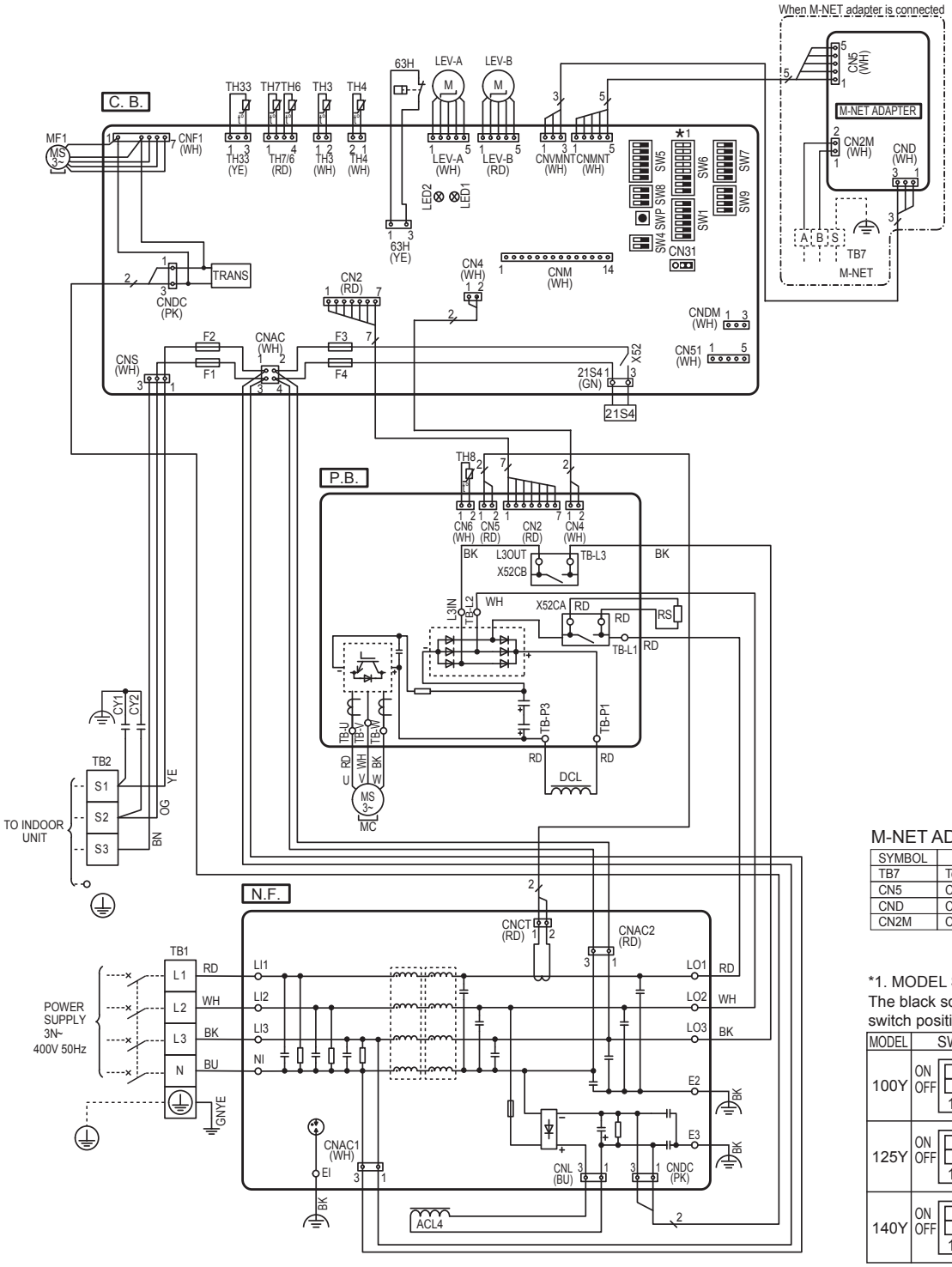
M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

Never splice the power cable or the indoor-outdoor connection cable, otherwise it may result in a smoke, a fire or communication failure.

PUZ-M100YKA
PUZ-M125YKA
PUZ-M140YKA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply>	21S4	Solenoid Valve (4-Way Valve)	SW5	Switch <Function Switch>
TB2	Terminal Block <Indoor/Outdoor>	ACL4	Reactor	SW6	Switch <Model Select>
MC	Motor for Compressor	DCL	Reactor	SW7	Switch <Function Switch>
MF1	Fan Motor	RS	Resistor	SW8	Switch <Function Switch>
63H	High Pressure Switch	CY1, CY2	Capacitor	SW9	Switch <Function Switch>
TH3	Thermistor <Liquid>	P.B.	Power Circuit Board	SWP	Switch <Pump Down>
TH4	Thermistor <Discharge>	N.F.	Noise Filter Circuit Board	CN31	Connector <Emergency Operation>
TH6	Thermistor <2-Phase Pipe>	C.B.	Controller Circuit Board	CN51	Connector <Connection for Option>
TH7	Thermistor <Ambient>	F1, F2, F3, F4	Fuse <T6.3AL250V>	CNDM	Connector <Connection for Option>
TH8	Thermistor <Heat Sink>	SW1	Switch <Manual Defrost, Defect History Record Reset, Refrigerant Address>	CNM	Connector <Connection for Option>
TH33	Thermistor <Comp. Surface>			X52	Relay
LEV-A, LEV-B	Linear Expansion Valve	SW4	Switch <Function Switch>		



M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

*1. MODEL SELECT
The black square (■) indicates a switch position.

MODEL	SW6-4, 5, 6, 7, 8 *2
100Y	ON / OFF 1 2 3 4 5 6 7 8
125Y	ON / OFF 1 2 3 4 5 6 7 8
140Y	ON / OFF 1 2 3 4 5 6 7 8

*2. SW6-1 to 3: Function switch

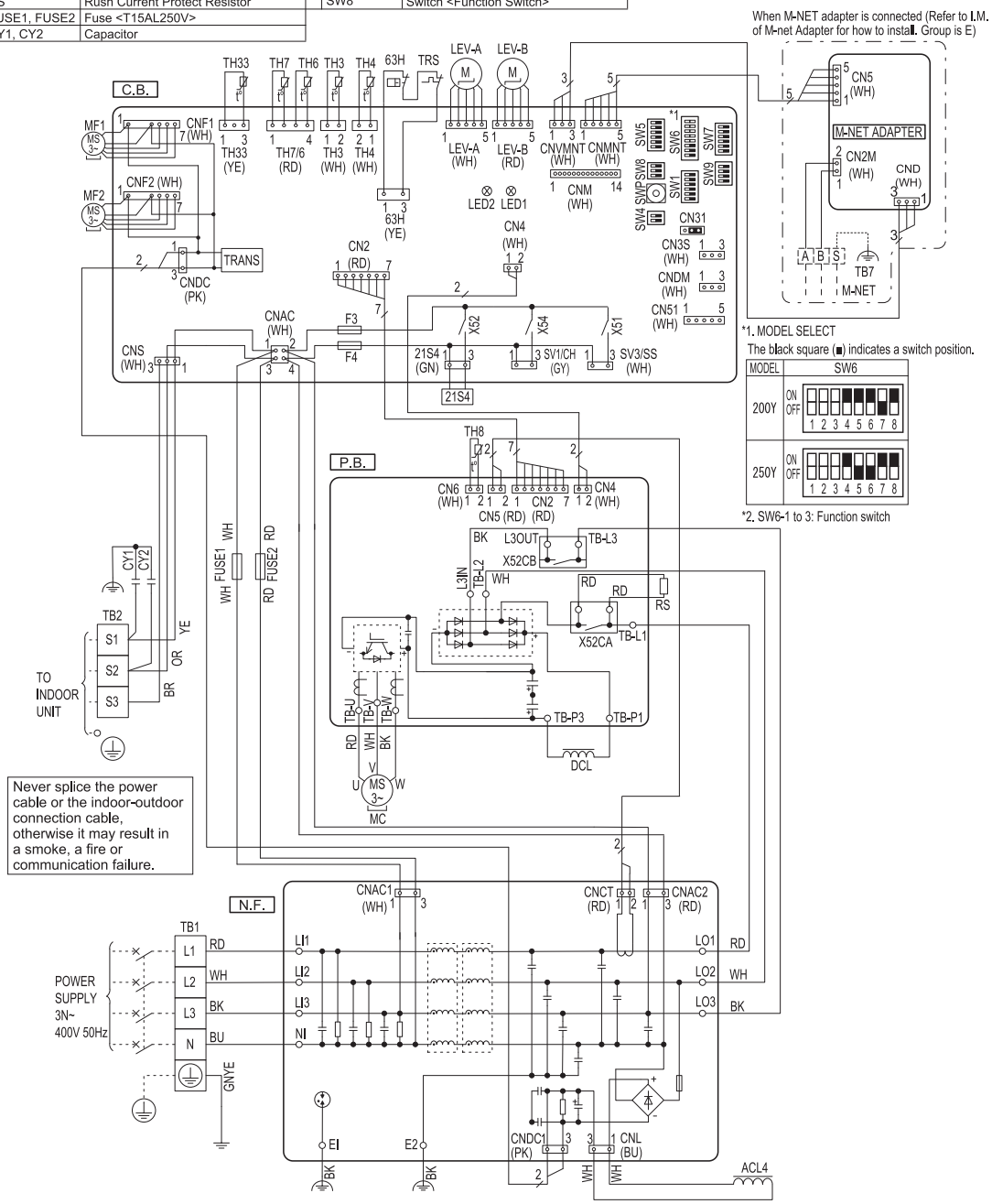
Never splice the power cable or the indoor-outdoor connection cable, otherwise it may result in a smoke, a fire or communication failure.

PUZ-M200YKA
PUZ-M250YKA

SYMBOL	NAME
TB1	Terminal Block <Power Supply>
TB2	Terminal Block <Indoor/Outdoor>
MC	Motor for Compressor
MF1, MF2	Fan Motor
21S4	Solenoid Valve (4-Way Valve)
63H	High Pressure Switch
TRS	Thermal Protector
TH3	Thermistor <Liquid>
TH4	Thermistor <Discharge>
TH6	Thermistor <2-Phase Pipe>
TH7	Thermistor <Ambient>
TH8	Thermistor <Heat Sink>
TH33	Thermistor <Comp. Surface>
LEV-A, LEV-B	Linear Expansion Valve
ACL4	Reactor
DCL	Reactor
RS	Rush Current Protect Resistor
FUSE1, FUSE2	Fuse <T15AL250V>
CY1, CY2	Capacitor

SYMBOL	NAME
P.B.	Power Circuit Board
TB-U/V/W	Connection Terminal <U/V/W-Phase>
TB-L1/L2/L3	Connection Terminal <L1/L2/L3-Power Supply>
TB-P1/P3	Connection Terminal
X52CA/B	52C Relay
N.F.	Noise Filter Circuit Board
LI1/LI2/LI3/NI	Connection Terminal <L1/L2/L3/N-Power Supply>
LO1/LO2/LO3	Connection Terminal <L1/L2/L3-Power Supply>
EI, E2	Connection Terminal <Ground>
C.B.	Controller Circuit Board
SW1	Switch <Manual Defrost, Defect History, Record Reset, Refrigerant Address>
SW4	Switch <Test Operation>
SW5	Switch <Function Switch>
SW6	Switch <Model Select>
SW7	Switch <Function Switch>
SW8	Switch <Function Switch>

SYMBOL	NAME
SW9	Switch <Function Switch>
SWP	Switch <Pump Down>
CN31	Connector <Emergency Operation>
CN3S	Connector <Connection for Option>
CNDM	Connector <Connection for Option>
CN51	Connector <Connection for Option>
SV1/CH	Connector <Connection for Option>
SV3/SS	Connector <Connection for Option>
CNM	Connector <Connection for Option>
CNMNT	Connector <Connect to Optional M-NET Adapter Board>
CNVMNT	Connector <Connect to Optional M-NET Adapter Board>
LED1, LED2	LED <Operation Inspection Indicators>
F3, F4	Fuse <T6.3AL250V>
X51, X52, X54	Relay

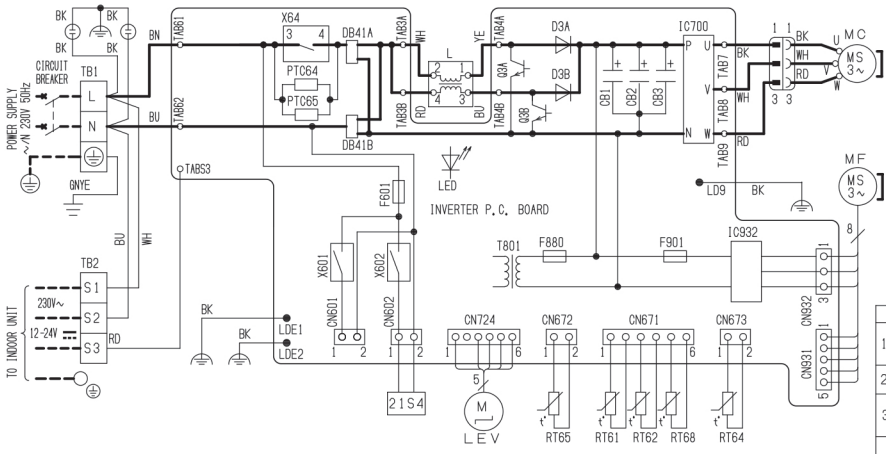


M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

3. SUZ-SM•VA

SUZ-SM71VA



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1, CB2, CB3	SMOOTHING CAPACITOR	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
DB41A, DB41B	DIODE MODULE	LED	LED	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
D3A, D3B	DIODE	LEV	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR	X601, X602	RELAY
F601	FUSE (T3.15AL250V)	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
F880	FUSE (T3.15AL250V)	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR		
F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION				
IC700, IC932	POWER MODULE	Q3A, Q3B	SWITCHING POWER TRANSISTOR	TB1, TB2	TERMINAL BLOCK		

NOTES 1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires. 3. Symbols indicate, □□□:Terminal block ⊙⊙⊙:Connector

Safety Precautions in Servicing Electrical Parts

Before performing inspection and repairs, be sure to confirm that the voltage of the smoothing capacitor is less than 10V DC between P (+) and N (-) terminals of IC700 when measured with a tester ten minutes after the power has been turned off.
Since the electrolytic capacitor used for the inverter is usually charged with 325V DC voltage, and the electric charge remains for a while after the power is cut, the shock would be given if contacted its sometimes charging part (not only the electrolytic capacitor), resulting in serious injury. In case the residual voltage of the electrolytic capacitor mentioned above exceeds 10V DC, connect P (+) and N (-) terminals of IC700 with either a discharge resistor (approx. 100Ω, 40W) or a soldering iron plug to let the electric charge discharge.

One Point Checking for Inverter

	Item	Symptom	Check point
1	Power supply	There is no 230V AC power between terminals [L] and [N].	Check the power supply cable.
2	Fuse	The fuse has blown.	Replace the INVERTER P.C. BOARD.
3	Power for main circuit	There is no 325V DC Power between pins P (+) and N (-) terminals of IC700.	Check the INVERTER P.C. BOARD, the reactor, and the main circuit wiring.
4	Inverter output	AC voltages between wires are different during operation with the Inverter disconnected from the compressor.	Check the INVERTER P.C. BOARD.
5	LED display (while compressor is not in operation.)	Lit	Normal
		Flashing	Abnormality or stop due to protective function (refer to "Troubleshootings When LED Blinks" shown below.)
		Goes out	Check the INVERTER P.C. BOARD, fan motor and the power for main circuit.

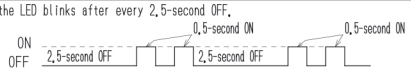
* For details, refer to the appropriate service manual.

Troubleshootings When LED Blinks

When the compressor stops due to protective functions, the LED blinks on the outdoor INVERTER P.C. BOARD. Perform the inspection referring to the table below. For your reference, when the LED is lit, the unit is in normal operation. When the LED goes out, run the unit in the emergency operation and check the blinking frequency of LED.

Blinking frequency of LED on the INVERTER P.C. BOARD in the outdoor unit	Troubleshooting	
	Symptom	Corresponds
Once	Abnormality in outdoor power supply system	1. Check outdoor INVERTER P.C. BOARD 2. Reconnect compressor connector 3. Check compressor 4. Check stop valve
Once	Abnormality in outdoor thermistor	Check thermistor including poor contact or disconnection of its connector
Once	Abnormality in outdoor control system	Check outdoor INVERTER P.C. BOARD
Twice	Protection for overcurrent	1. Check outdoor INVERTER P.C. BOARD 2. Reconnect compressor connector 3. Check compressor 4. Check stop valve
3 times	Protection for overheat of discharge temperature	1. Charge refrigerant 2. Check expansion valve
4 times	Protection for overheat of fin temperature/INVERTER P.C. BOARD temperature	1. Check air circulation in outdoor unit (short cycle) 2. Check outdoor fan motor 3. Check obstruction in air inlet/outlet of outdoor unit
5 times	Protection for raising of high pressure	1. Check refrigerant circuit (clogging etc.) 2. Check stop valve
6 times	Abnormality of serial signal	Check INDOOR ELECTRONIC CONTROL P.C. BOARD and outdoor INVERTER P.C. BOARD
8 times	Abnormality of compressor synchronism	1. Reconnect compressor connector 2. Check compressor 3. Check outdoor INVERTER P.C. BOARD
10 times	Abnormality of outdoor fan motor	1. Reconnect connectors for fan motor 2. Check outdoor INVERTER P.C. BOARD 3. Check outdoor fan motor
11 times	Protection for stop valve (Closed valve)	Check stop valve
12 times	Abnormality of compressor phase current	Check outdoor INVERTER P.C. BOARD
13 times	Abnormality of DC voltage	Check outdoor INVERTER P.C. BOARD
16 times	Abnormality of reversing valve	1. Check reversing valve 2. Check outdoor INVERTER P.C. BOARD
16 times	Abnormality in refrigerant system	1. Refer to SERVICE MANUAL

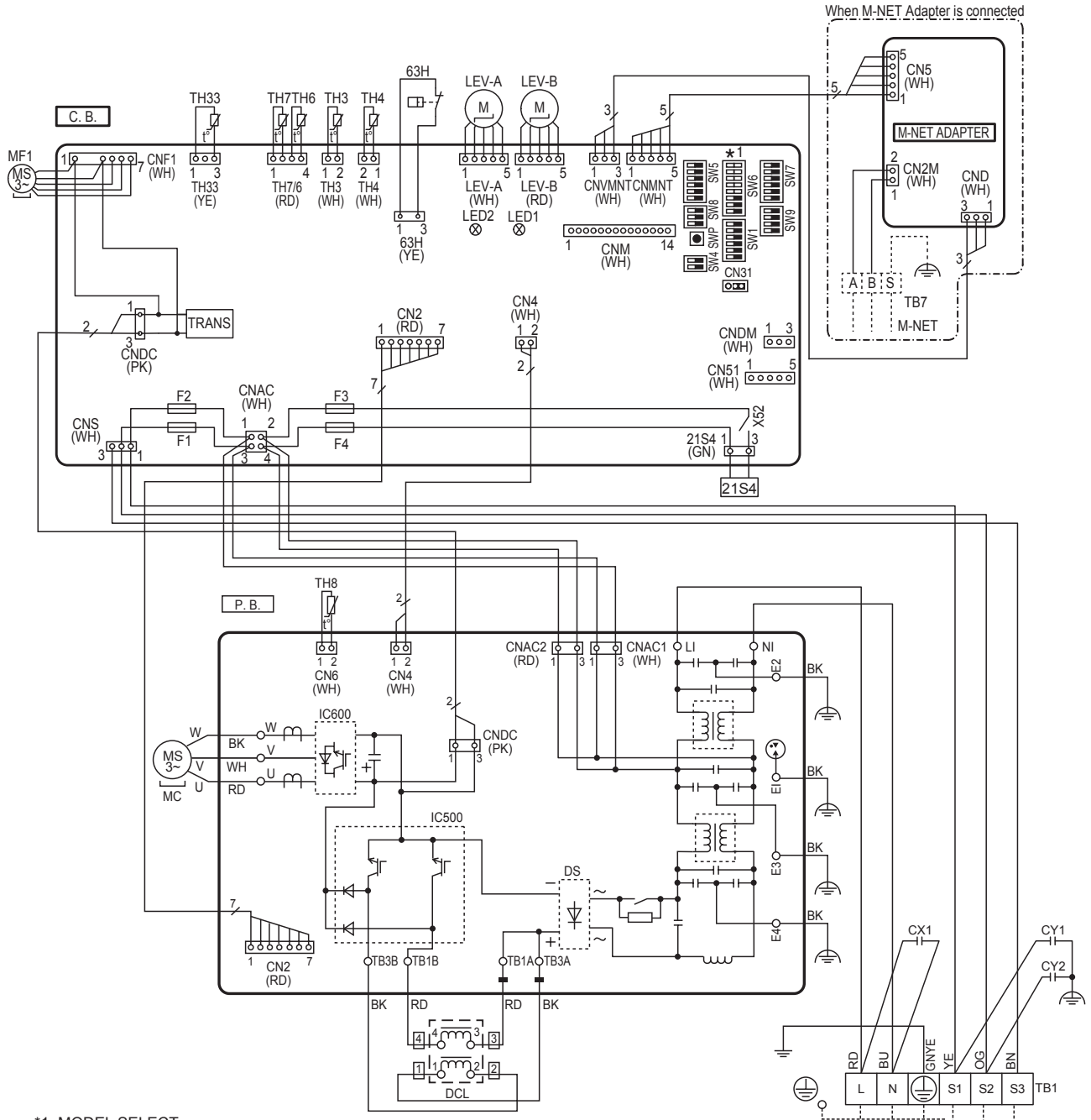
The blinking frequency shows the number of times the LED blinks after every 2.5-second OFF.
[Example] Blinking frequency is "Twice".



4. PUZ-SM•KA

PUZ-SM100VKA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply, Indoor/Outdoor>	LEV-A, LEV-B	Linear Expansion Valve	SW5	Switch <Function Switch>
MC	Motor for Compressor	21S4	Solenoid Valve (4-Way Valve)	SW6	Switch <Model Select>
MF1	Fan Motor	DCL	Reactor	SW7	Switch <Function Switch>
63H	High Pressure Switch	CY1, CY2	Capacitor	SW8	Switch <Function Switch>
TH3	Thermistor <Liquid>	CX1	Capacitor	SW9	Switch <Function Switch>
TH4	Thermistor <Discharge>	P.B.	Power Circuit Board	SWP	Switch <Pump Down>
TH6	Thermistor <2-Phase Pipe>	C.B.	Controller Circuit Board	CN31	Connector <Emergency Operation>
TH7	Thermistor <Ambient>	F1, F2, F3, F4	Fuse <T6.3AL250V>	CN51	Connector <Connection for Option>
TH8	Thermistor <Heat Sink>	SW1	Switch <Manual Defrost, Defect History Record Reset, Refrigerant Address>	CNDM	Connector <Connection for Option>
TH33	Thermistor <Comp. Surface>			CNM	Connector <Connection for Option>
		SW4	Switch <Function Switch>	X52	Relay



*1. MODEL SELECT

The black square (■) indicates a switch position.

MODEL	SW6-4, 5, 6, 7, 8 *2
100V	ON / OFF — 1 2 3 4 5 6 7 8

M-NET ADAPTER

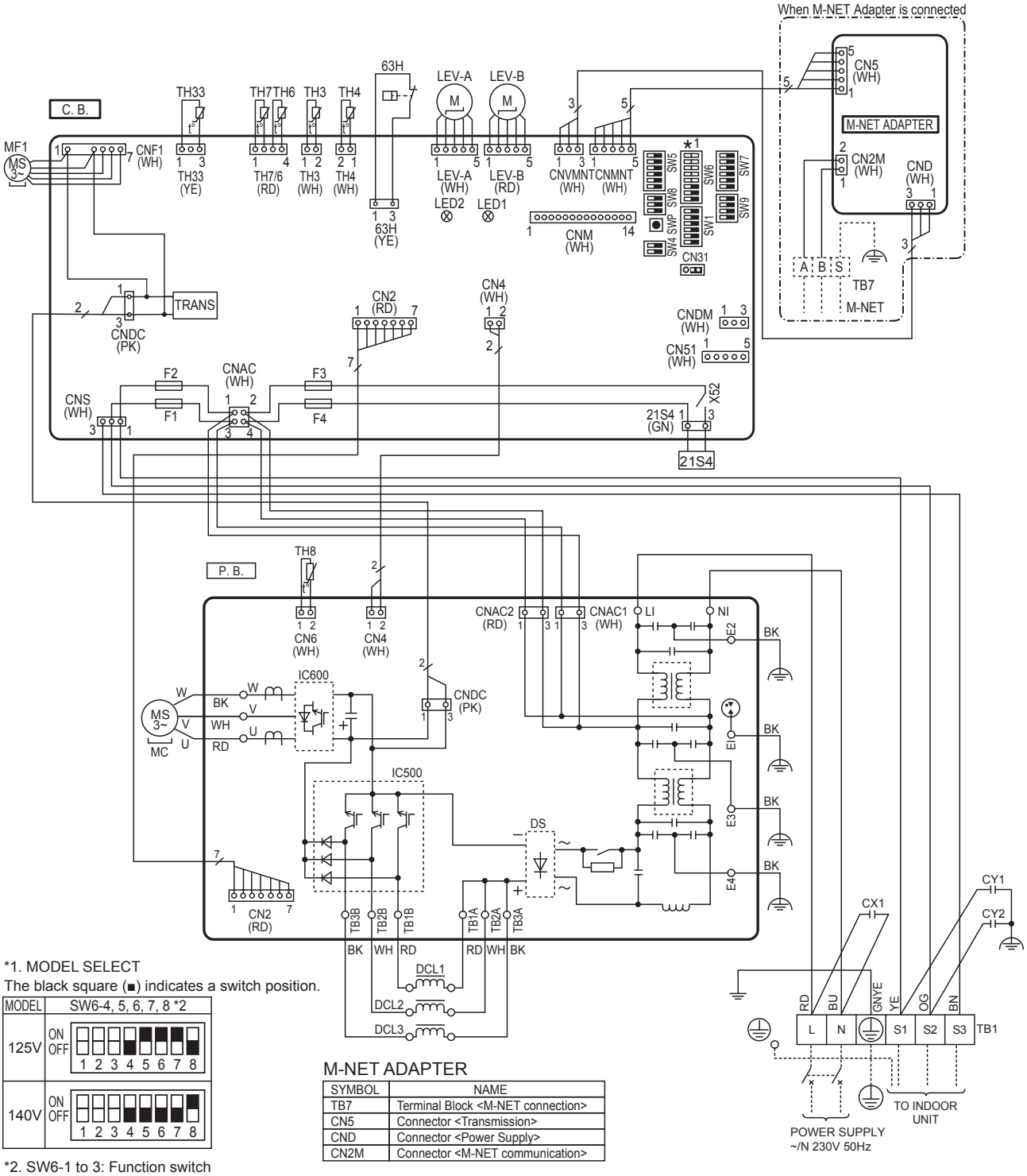
SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

*2. SW6-1 to 3: Function switch

Never splice the power cable or the indoor-outdoor connection cable, otherwise it may result in a smoke, a fire or communication failure.

PUZ-SM125VKA
PUZ-SM140VKA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply, Indoor/Outdoor>	21S4	Solenoid Valve (4-Way Valve)	SW6	Switch <Model Select>
MC	Motor for Compressor	DCL1, DCL2, DCL3	Reactor	SW7	Switch <Function Switch>
MF1	Fan Motor	CY1, CY2	Capacitor	SW8	Switch <Function Switch>
63H	High Pressure Switch	CX1	Capacitor	SW9	Switch <Function Switch>
TH3	Thermistor <Liquid>	P.B.	Power Circuit Board	SWP	Switch <Pump Down>
TH4	Thermistor <Discharge>	C.B.	Controller Circuit Board	CN31	Connector <Emergency Operation>
TH6	Thermistor <2-Phase Pipe>	F1, F2, F3, F4	Fuse <T6.3AL250V>	CN51	Connector <Connection for Option>
TH7	Thermistor <Ambient>	SW1	Switch <Manual Defrost, Defect History Record Reset, Refrigerant Address>	CNDM	Connector <Connection for Option>
TH8	Thermistor <Heat Sink>			CNM	Connector <Connection for Option>
TH33	Thermistor <Comp. Surface>	SW4	Switch <Function Switch>	X52	Relay
LEV-A, LEV-B	Linear Expansion Valve	SW5	Switch <Function Switch>		



*1. MODEL SELECT

The black square (■) indicates a switch position.

MODEL	SW6-4, 5, 6, 7, 8 *2
125V	ON / OFF — 1 2 3 4 5 6 7 8
140V	ON / OFF — 1 2 3 4 5 6 7 8

*2. SW6-1 to 3: Function switch

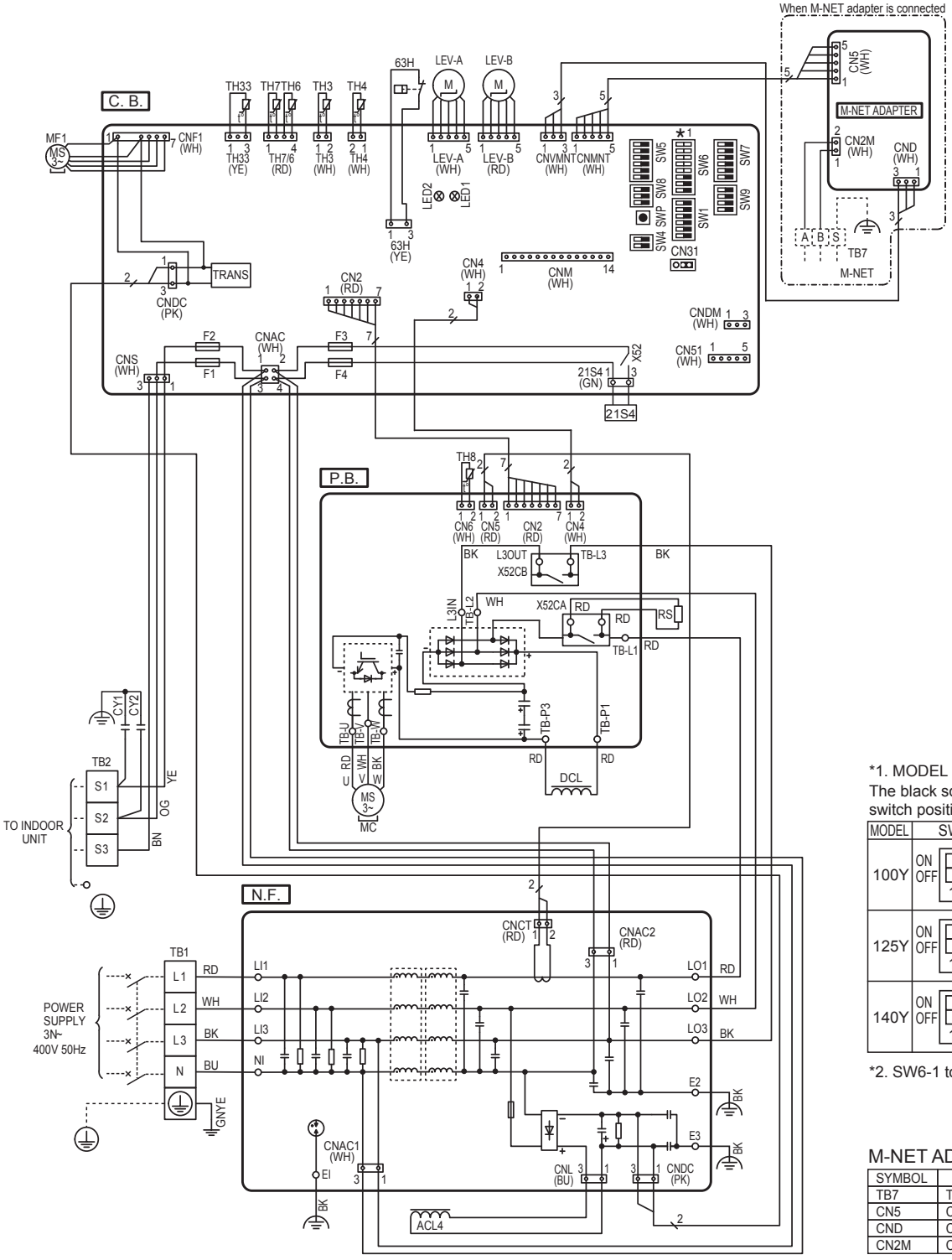
M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

Never splice the power cable or the indoor-outdoor connection cable, otherwise it may result in a smoke, a fire or communication failure.

PUZ-SM100YKA
PUZ-SM125YKA
PUZ-SM140YKA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply>	21S4	Solenoid Valve (4-Way Valve)	SW5	Switch <Function Switch>
TB2	Terminal Block <Indoor/Outdoor>	ACL4	Reactor	SW6	Switch <Model Select>
MC	Motor for Compressor	DCL	Reactor	SW7	Switch <Function Switch>
MF1	Fan Motor	RS	Resistor	SW8	Switch <Function Switch>
63H	High Pressure Switch	CY1, CY2	Capacitor	SW9	Switch <Function Switch>
TH3	Thermistor <Liquid>	P.B.	Power Circuit Board	SWP	Switch <Pump Down>
TH4	Thermistor <Discharge>	N.F.	Noise Filter Circuit Board	CN31	Connector <Emergency Operation>
TH6	Thermistor <2-Phase Pipe>	C.B.	Controller Circuit Board	CN51	Connector <Connection for Option>
TH7	Thermistor <Ambient>	F1, F2, F3, F4	Fuse <T6.3AL250V>	CNDM	Connector <Connection for Option>
TH8	Thermistor <Heat Sink>	SW1	Switch <Manual Defrost, Defect History Record Reset, Refrigerant Address>	CNM	Connector <Connection for Option>
TH33	Thermistor <Comp. Surface>			X52	Relay
LEV-A, LEV-B	Linear Expansion Valve	SW4	Switch <Function Switch>		



*1. MODEL SELECT
The black square (■) indicates a switch position.

MODEL	SW6-4, 5, 6, 7, 8 *2
100Y	ON / OFF 1 2 3 4 5 6 7 8
125Y	ON / OFF 1 2 3 4 5 6 7 8
140Y	ON / OFF 1 2 3 4 5 6 7 8

*2. SW6-1 to 3: Function switch

M-NET ADAPTER

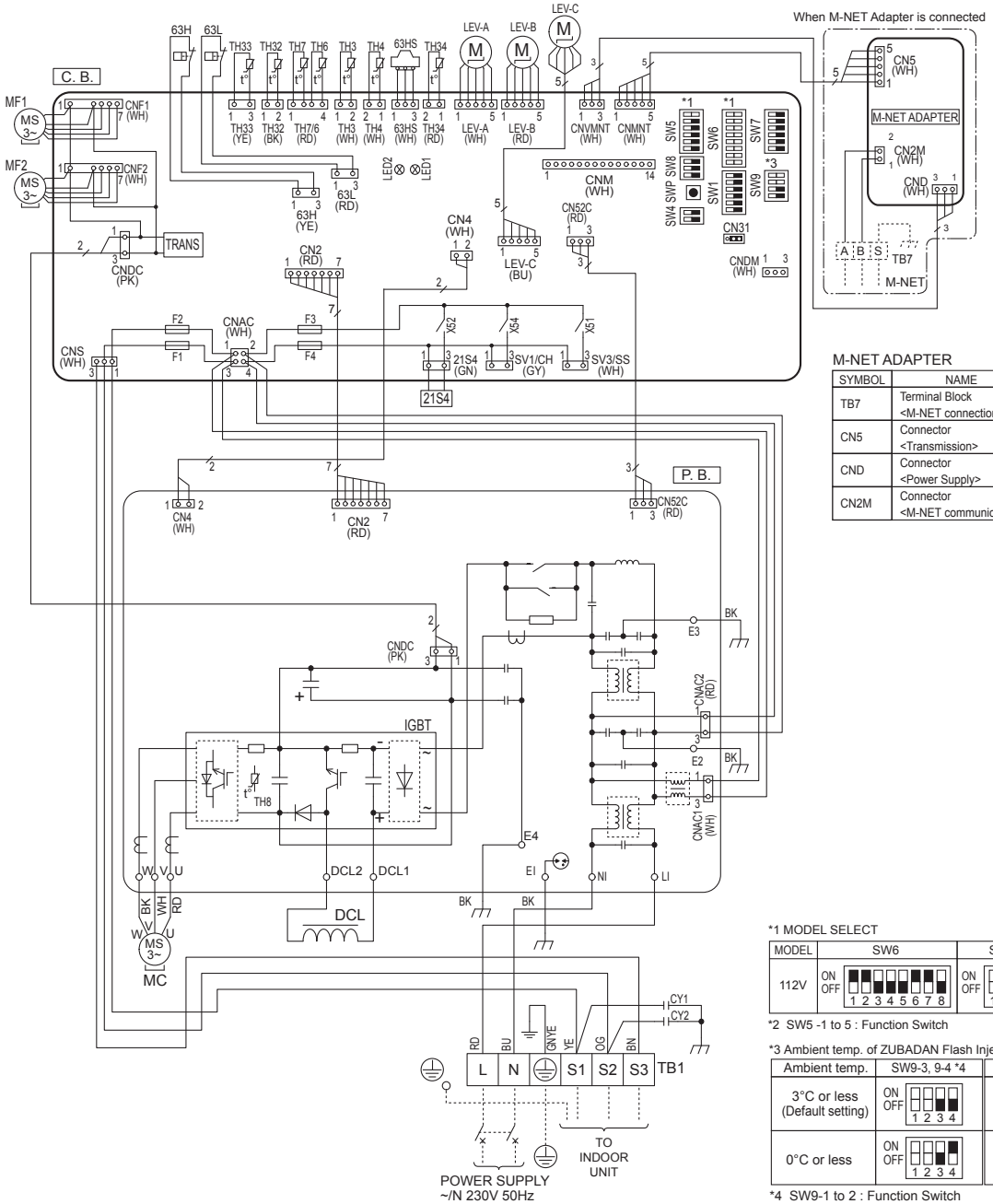
SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

Never splice the power cable or the indoor-outdoor connection cable, otherwise it may result in a smoke, a fire or communication failure.

A.8.2.2 R410A type
1. PUHZ-SHW•HA PUHZ-SHW•KA

PUHZ-SHW112VHA(-BS)

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply, Indoor/Outdoor>	TH32	Thermistor <Suction>	SW7	Switch <Function Switch>
		TH33	Thermistor <Ref. check>	SW8	Switch <Function Switch>
MC	Motor for Compressor	TH34	Thermistor <Comp. Surface>	SW9	Switch <Function Switch>
MF1, MF2	Fan Motor	LEV-A, LEV-B, LEV-C	Linear Expansion Valve	SWP	Switch <Pump Down>
21S4	Solenoid Valve (4-Way Valve)	DCL	Reactor	CN31	Connector <Emergency Operation>
63H	High Pressure Switch	CY1, CY2	Capacitor	CNDM	Connector <Connection for Option>
63L	Low Pressure Switch	P. B.	Power Circuit Board	SV1/CH	Connector <Connection for Option>
63HS	High Pressure Sensor	C. B.	Controller Circuit Board	SV3/SS	Connector <Connection for Option>
TH3	Thermistor <Liquid>	SW1	Switch <Manual Defrost, Defect History Record Reset, Refrigerant Address>	CNM	Connector <Connection for Option>
TH4	Thermistor <Discharge>			F1, F2, F3, F4	Fuse <T6.3AL250V>
TH6	Thermistor <2-Phase Pipe>	SW4	Switch <Test Operation>		
TH7	Thermistor <Ambient>	SW5	Switch <Function Switch, Model Select>		
TH8	Thermistor internal <Heat Sink>	SW6	Switch <Model Select>		



M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

*1 MODEL SELECT

MODEL	SW6	SW5-6 *2
112V	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6

*2 SW5 -1 to 5 : Function Switch

*3 Ambient temp. of ZUBADAN Flash Injection becomes effective.

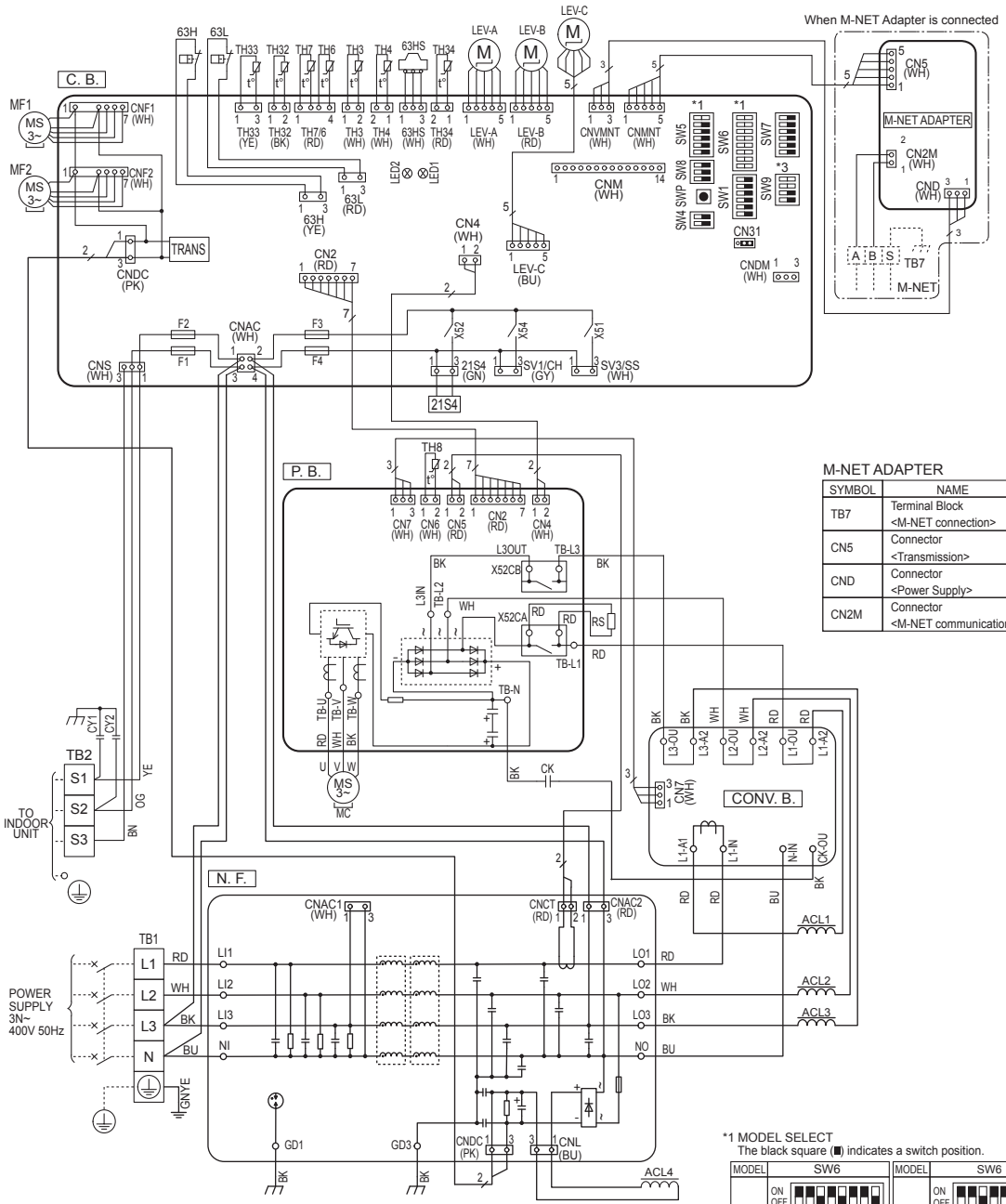
Ambient temp.	SW9-3, 9-4 *4	Ambient temp.	SW9-3, 9-4 *4
3°C or less (Default setting)	ON OFF 1 2 3 4	–3°C or less	ON OFF 1 2 3 4
0°C or less	ON OFF 1 2 3 4	–6°C or less	ON OFF 1 2 3 4

*4 SW9-1 to 2 : Function Switch

The black square (■) indicates a switch position.

PUHZ-SHW112YHA(-BS)
PUHZ-SHW140YHA(-BS)

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply>	TH33	Thermistor <Ref. check>	SW5	Switch <Function Switch, Model Select>
TB2	Terminal Block <Indoor/Outdoor>	TH34	Thermistor <Comp. Surface>	SW6	Switch <Model Select>
MC	Motor for Compressor	LEV-A, LEV-B, LEV-C	Linear Expansion Valve	SW7	Switch <Function Switch>
MF1, MF2	Fan Motor	ACL1, ACL2, ACL3, ACL4	Reactor	SW8	Switch <Function Switch>
21S4	Solenoid Valve (4-Way Valve)	CY1, CY2	Capacitor	SW9	Switch <Function Switch>
63H	High Pressure Switch	CK	Capacitor	SWP	Switch <Pump Down>
63L	Low Pressure Switch	RS	Rush Current Protect Resistor	CN31	Connector <Emergency Operation>
63HS	High Pressure Sensor	P. B.	Power Circuit Board	CNDM	Connector <Connection for Option>
TH3	Thermistor <Liquid>	N. F.	Noise Filter Circuit Board	SV1/CH	Connector <Connection for Option>
TH4	Thermistor <Discharge>	CONV. B.	Converter Circuit Board	SV3/SS	Connector <Connection for Option>
TH6	Thermistor <2-Phase Pipe>	C. B.	Controller Circuit Board	CNM	Connector <Connection for Option>
TH7	Thermistor <Ambient>	SW1	Switch <Manual Defrost, Defect History Record Reset, Refrigerant Address>	F1, F2, F3, F4	Fuse <T6.3AL250V>
TH8	Thermistor <Heat Sink>				
TH32	Thermistor <Suction>	SW4	Switch <Test Operation>		



M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

*1 MODEL SELECT
The black square (■) indicates a switch position.

MODEL	SW6	MODEL	SW6
112Y	SW5-6 *2	140Y	SW5-6 *2

*2 SW5 -1 to 5 : Function Switch

*3 Ambient temp. of ZUBADAN Flash Injection becomes effective.
The black square (■) indicates a switch position.

Ambient temp.	SW9-3, 9-4 *4	Ambient temp.	SW9-3, 9-4 *4	Ambient temp.	SW9-3, 9-4 *4	Ambient temp.	SW9-3, 9-4 *4
3°C or less (Default setting)		0°C or less		–3°C or less		–6°C or less	

*4 SW9-1 to 2 : Function Switch

PUHZ-SHW230YKA2

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block 〈Power Supply〉	TH34	Thermistor 〈Comp. Surface〉	SW5	Switch 〈Function Switch, Model Select〉
TB2	Terminal Block 〈Indoor/Outdoor〉	LEV-A, LEV-B, LEV-C	Linear Expansion Valve	SW6	Switch 〈Model Select〉
MC	Motor for Compressor	ACL4	Reactor	SW7	Switch 〈Function Switch〉
MF1,MF2	Fan Motor	DCL	Reactor	SW8	Switch 〈Function Switch〉
21S4	Solenoid Valve (4-Way Valve)	RS	Rush Current Protect Resistor	SW9	Switch 〈Function Switch〉
63H	High Pressure Switch	FUSE1, FUSE2	Fuse 〈T15AL250V〉	SWP	Switch 〈Pump Down〉
63L	Low Pressure Switch	CY1, CY2	Capacitor	CN31	Connector 〈Emergency Operation〉
63HS	High Pressure Sensor	P. B.	Power Circuit Board	F3, F4	Fuse 〈T6.3AL250V〉
TH3	Thermistor 〈Liquid〉	N. F.	Noise Filter Circuit Board	SV1/CH	Connector 〈Connection for Option〉
TH4	Thermistor 〈Discharge〉	F1	Fuse 〈T6.3A L250V〉	SV3/SS	Connector 〈Connection for Option〉
TH6	Thermistor 〈2-Phase Pipe〉	C. B.	Controller Circuit Board	CNM	Connector 〈Connection for Option〉
TH7	Thermistor 〈Ambient〉	SW1	Switch 〈Manual Defrost, Defect History Record Reset, Refrigerant Address〉	CNMNT	Connector 〈Connection for Option〉
TH8	Thermistor 〈HEAT Sink〉			CNVMNT	Connector 〈Connection for Option〉
TH32	Thermistor 〈Suction〉	SW4	Switch 〈Function Switch〉	CNDM	Connector 〈Connection for Option〉

∗1 MODEL SELECT
The black square (■) indicates a switch position.

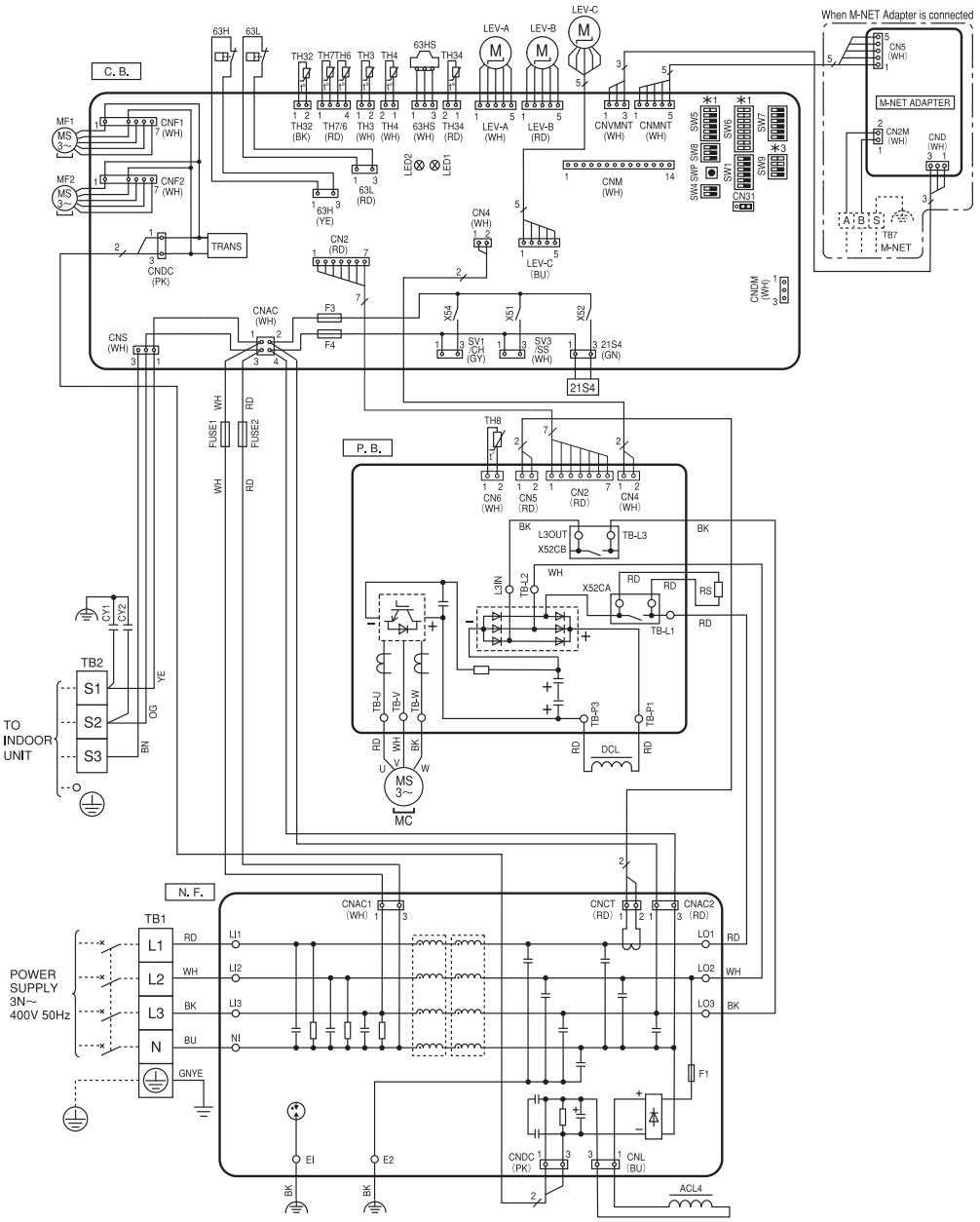
MODEL	SW6
230Y	ON OFF 1 2 3 4 5 6 7 8
	SW5-6 ∗2
	ON OFF 1 2 3 4 5 6

∗2 SW5 -1 to 5 : Function Switch.

∗3 Ambient temp. of ZUBADAN Flash Injection becomes effective.
The black square (■) indicates a switch position.

Ambient temp.	SW9-3,9-4 ∗4	Ambient temp.	SW9-3,9-4 ∗4	Ambient temp.	SW9-3,9-4 ∗4	Ambient temp.	SW9-3,9-4 ∗4
3℃ or less (Default setting)	ON OFF 1 2 3 4	0℃ or less	ON OFF 1 2 3 4	−3℃ or less	ON OFF 1 2 3 4	−6℃ or less	ON OFF 1 2 3 4

∗4 SW9-1 to 2 : Function Switch

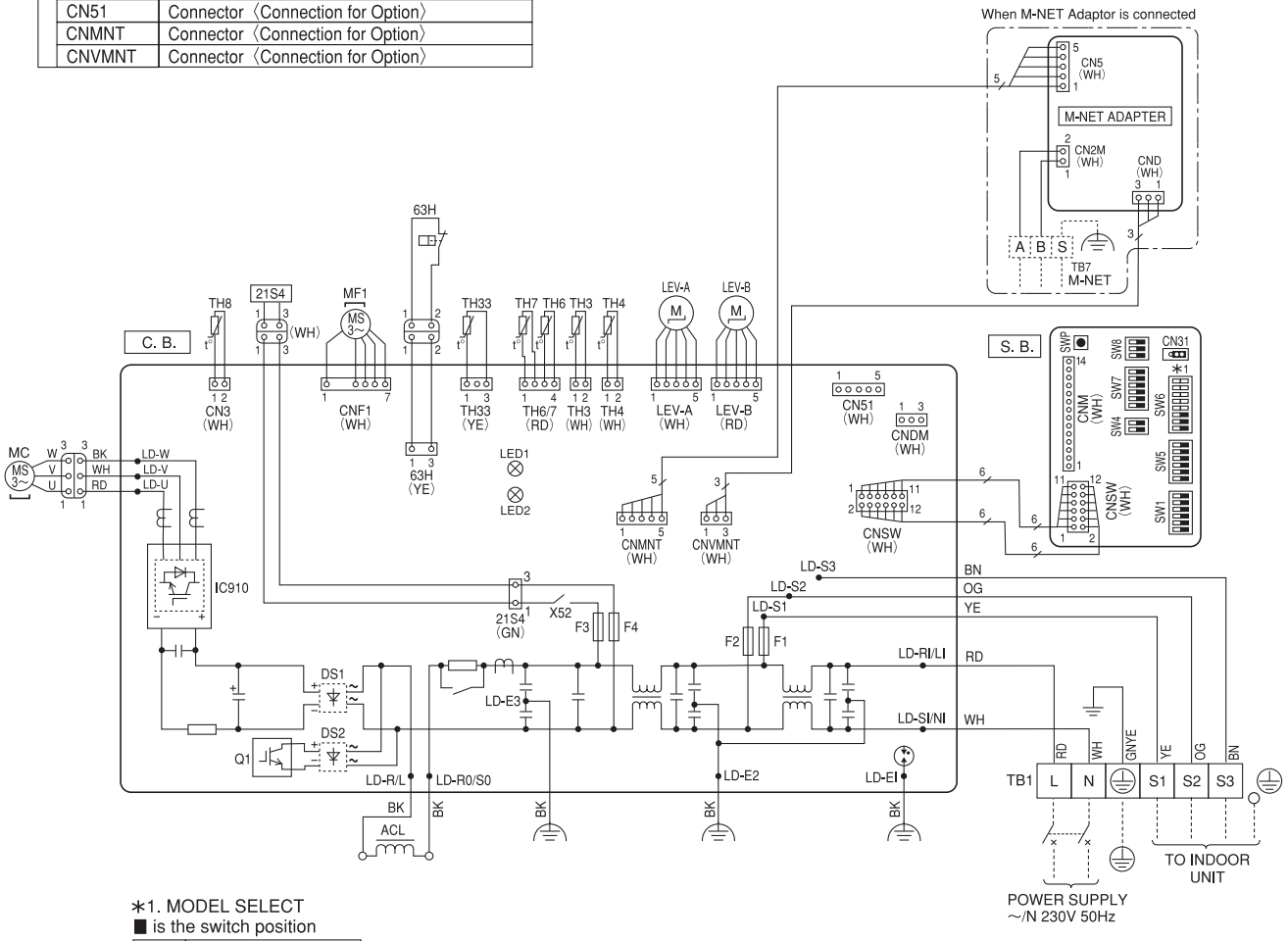


2. PUHZ-ZRP•HA2, KA2(3)

PUHZ-ZRP35VKA2
PUHZ-ZRP50VKA2

SYMBOL	NAME
TB1	Terminal Block 〈Power Supply, Indoor/Outdoor〉
MC	Motor for Compressor
MF1	Fan Motor
21S4	Solenoid Valve (4-Way Valve)
63H	High Pressure Switch
TH3	Thermistor 〈Liquid〉
TH4	Thermistor 〈Discharge〉
TH6	Thermistor 〈2-Phase Pipe〉
TH7	Thermistor 〈Ambient〉
TH8	Thermistor 〈Heat Sink〉
TH33	Thermistor 〈Comp. Surface〉
LEV-A, LEV-B	Linear Expansion Valve
ACL	Reactor
C. B.	Controller Circuit Board
F1, F2	Fuse 〈T10AL250V〉
F3, F4	Fuse 〈T3.15AL250V〉
CNDM	Connector 〈Connection for Option〉
CN51	Connector 〈Connection for Option〉
CNMNT	Connector 〈Connection for Option〉
CNVMNT	Connector 〈Connection for Option〉

SYMBOL	NAME
S. B.	Switch Board
SW1	Switch 〈Manual Defrost, Defect History Record Reset, Refrigerant Address〉
SW4	Switch 〈Test Operation〉
SW5	Switch 〈Function Switch〉
SW6	Switch 〈Model Select〉
SW7	Switch 〈Function Switch〉
SW8	Switch 〈Function Switch〉
SWP	Switch 〈Pump Down〉
CN31	Connector 〈Connection for Option〉
CNM	Connector 〈Connection for Option〉



∗1. MODEL SELECT
■ is the switch position

MODEL	SW6 ∗2
35V	ON / OFF 1 2 3 4 5 6 7 8
50V	ON / OFF 1 2 3 4 5 6 7 8

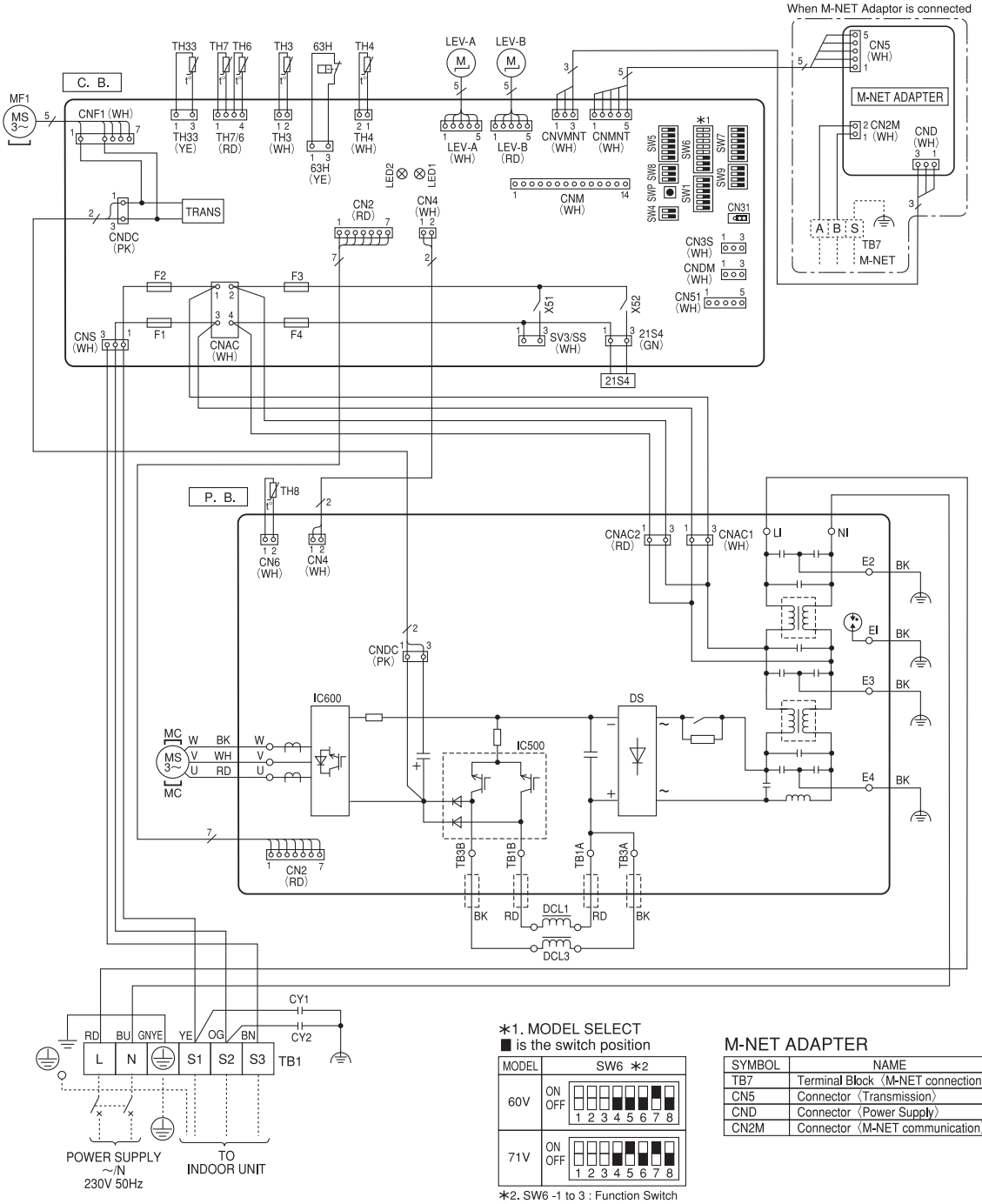
∗2. SW6 -1 to 3 : Function Switch

M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block 〈M-NET connection〉
CN5	Connector 〈Transmission〉
CND	Connector 〈Power Supply〉
CN2M	Connector 〈M-NET communication〉

PUHZ-ZRP60VHA2
PUHZ-ZRP71VHA2

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block 〈Power Supply, Indoor/Outdoor〉	CY1, CY2	Capacitor	SW8	Switch 〈Function Switch〉
MC	Motor for Compressor	DCL1, DCL3	Reactor	SW9	Switch 〈Function Switch〉
MF1	Fan Motor	P.B.	Power Circuit Board	SWP	Switch 〈Pump Down〉
21S4	Solenoid Valve (4-Way Valve)	C.B.	Controller Circuit Board	CN31	Connector 〈Connection for Option〉
63H	High Pressure Switch	F1, F2	Fuse 〈T10AL250V〉	CNDM	Connector 〈Connection for Option〉
TH3	Thermistor 〈Liquid〉	F3, F4	Fuse 〈T6.3AL250V〉	CN51	Connector 〈Connection for Option〉
TH4	Thermistor 〈Discharge〉	SW1	Switch 〈Manual Defrost, Defect History, Record Reset, Refrigerant Address〉	SV3/SS	Connector 〈Connection for Option〉
TH6	Thermistor 〈2-Phase Pipe〉			CNM	Connector 〈Connection for Option〉
TH7	Thermistor 〈Ambient〉	SW4	Switch 〈Test Operation〉	CN3S	Connector 〈Connection for Option〉
TH8	Thermistor 〈Heat Sink〉	SW5	Switch 〈Function Switch〉	LED1, LED2	LED
TH33	Thermistor 〈Comp. Surface〉	SW6	Switch 〈Model Select〉	X51, X52	Relay
LEV-A, LEV-B	Linear Expansion Valve	SW7	Switch 〈Function Switch〉		



∗1. MODEL SELECT
■ is the switch position

MODEL	SW6 ∗2
60V	ON / OFF 1 2 3 4 5 6 7 8
71V	ON / OFF 1 2 3 4 5 6 7 8

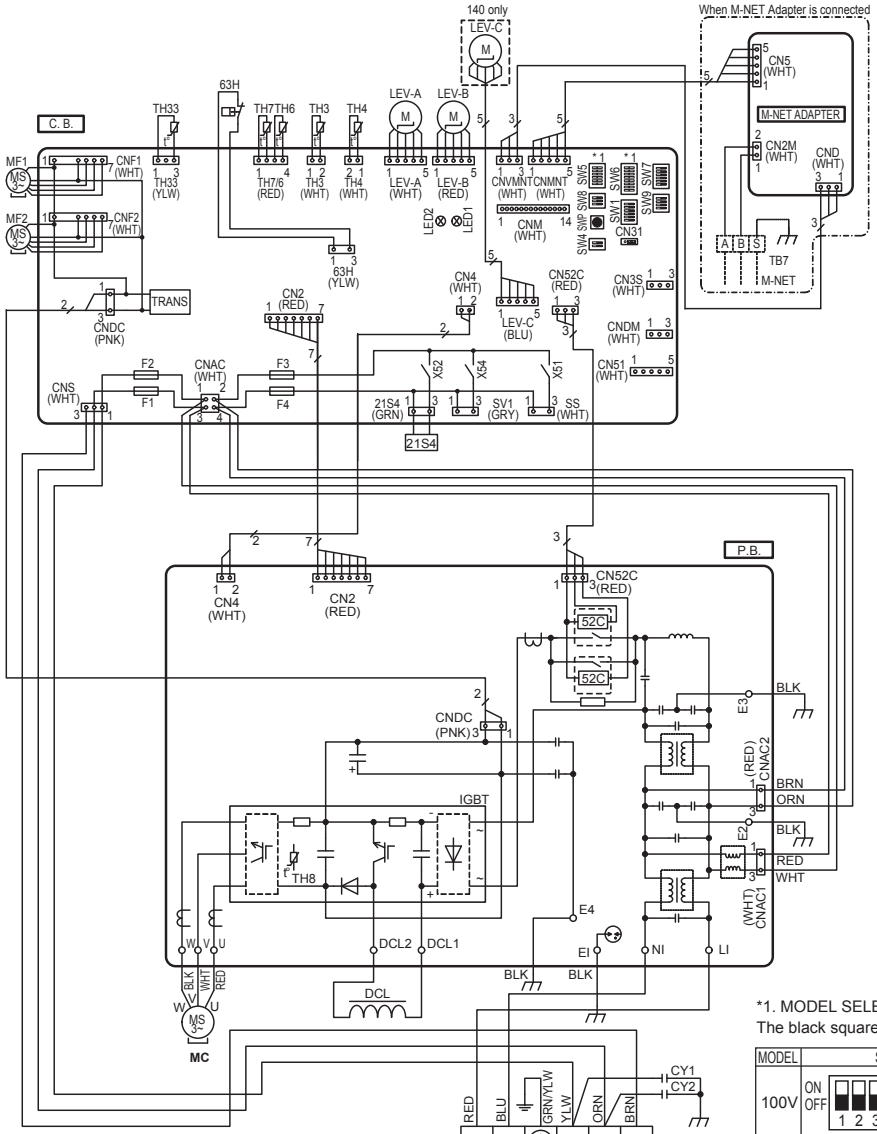
∗2. SW6 -1 to 3 : Function Switch

M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block 〈M-NET connection〉
CN5	Connector 〈Transmission〉
CND	Connector 〈Power Supply〉
CN2M	Connector 〈M-NET communication〉

PUHZ-ZRP100VKA3
PUHZ-ZRP125VKA3
PUHZ-ZRP140VKA3

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply, Indoor/Outdoor>	LI	Connection Terminal <L-Phase>	CNDM	Connector <Connection for Option>
		NI	Connection Terminal <N-Phase>	CN51	Connector <Connection for Option>
MC	Motor for Compressor	DCL1, DCL2	Connection Terminal <Reactor>	SV1	Connector <Connection for Option>
MF1, MF2	Fan Motor	IGBT	Power Module	SS	Connector <Connection for Option>
21S4	Solenoid Valve (Four-Way Valve)	EI, E2, E3, E4	Connection Terminal <Ground>	CNM	Connector <Connection for Option>
63H	High Pressure Switch	C.B.	Controller Circuit Board	CNMNT	Connector <Connect to Optional M-NET Adapter Board>
TH3	Thermistor <Liquid>	SW1	Switch <Manual Defrost, Defect History, Record Reset, Refrigerant Address>		
TH4	Thermistor <Discharge>			CNVMNT	Connector <Connect to Optional M-NET Adapter Board>
TH6	Thermistor <2-Phase Pipe>	SW4	Switch <Test Operation>		
TH7	Thermistor <Ambient>	SW5	Switch <Function Switch, Model Select>	LED1, LED2	LED <Operation Inspection Indicators>
TH8	Thermistor <Heat Sink>	SW6	Switch <Model Select>	F1, F2, F3, F4	Fuse <T6.3AL250V>
TH33	Thermistor <Comp. Surface>	SW7	Switch <Function Switch>	X51, X52, X54	Relay
LEV-A, LEV-B, LEV-C	Linear Expansion Valve	SW8	Switch <Function Switch>		
DCL	Reactor	SW9	Switch <Function Switch>		
CY1, CY2	Capacitor	SWP	Switch <Pump Down>		
P.B.	Power Circuit Board	CN31	Connector <Emergency Operation>		
U/V/W	Connection Terminal <U/V/W-Phase>	CN3S	Connector <Connection for Option>		



M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

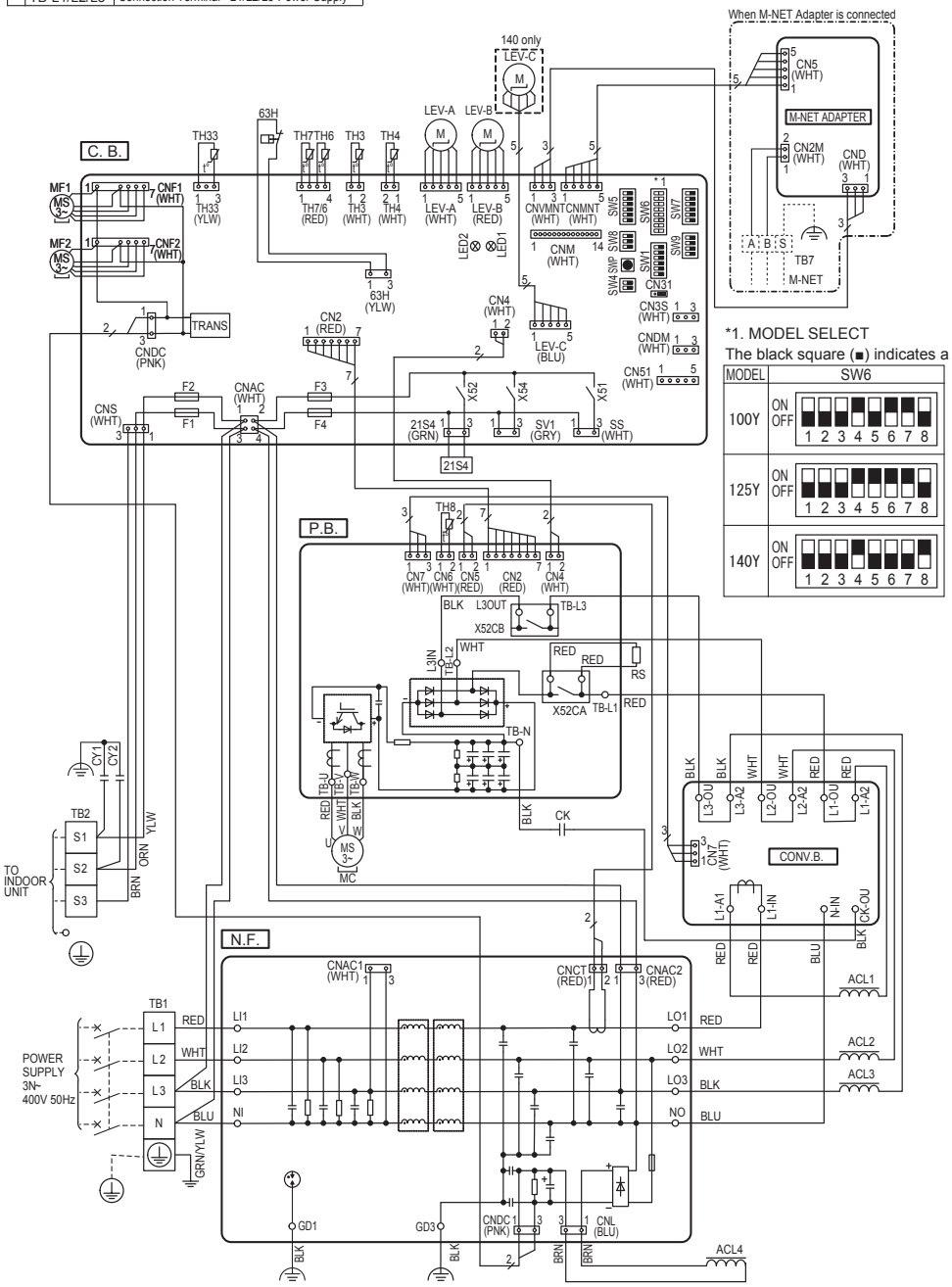
*1. MODEL SELECT
The black square (■) indicates a switch position.

MODEL	SW6
100V	ON OFF 1 2 3 4 5 6 7 8
125V	ON OFF 1 2 3 4 5 6 7 8
140V	ON OFF 1 2 3 4 5 6 7 8

*2. SW5-1 to 5: Function switch

PUHZ-ZRP100YKA3
PUHZ-ZRP125YKA3
PUHZ-ZRP140YKA3

SYMBOL	NAME
TB1	Terminal Block <Power Supply>
TB2	Terminal Block <Indoor/Outdoor>
MC	Motor for Compressor
MF1, MF2	Fan Motor
21S4	Solenoid Valve (Four-Way Valve)
63H	High Pressure Switch
TH3	Thermistor <Liquid>
TH4	Thermistor <Discharge>
TH6	Thermistor <2-Phase Pipe>
TH7	Thermistor <Ambient>
TH8	Thermistor <Heat Sink>
TH33	Thermistor <Comp. Surface>
LEV-A, LEV-B, LEV-C	Linear Expansion Valve
ACL1,ACL2,ACL3,ACL4	Reactor
CK	Capacitor
RS	Rush Current Protect Resistor
CY1, CY2	Capacitor
P.B.	Power Circuit Board
TB-U/V/W	Connection Terminal <U/V/W-Phase>
TB-L1/L2/L3	Connection Terminal <L1/L2/L3-Power Supply>
TB-N	Connection Terminal
X52CA/B	52C Relay
N.F.	Noise Filter Circuit Board
LI1/LI2/LI3/NI	Connection Terminal <L1/L2/L3/N-Power Supply>
LO1/LO2/LO3/NO	Connection Terminal <L1/L2/L3/N-Power Supply>
GD1,GD3	Connection Terminal <Ground>
CONV.B.	Converter Circuit Board
L1-A1/IN	Connection Terminal <L1-Power Supply>
L1-A2/OU	Connection Terminal <L1-Power Supply>
L2-A2/OU	Connection Terminal <L2-Power Supply>
L3-A2/OU	Connection Terminal <L3-Power Supply>
N-IN	Connection Terminal
CK-OU	Connection Terminal
C.B.	Controller Circuit Board
SW1	Switch <Manual Defrost, Defect History, Record Reset, Refrigerant Address>
SW4	Switch <Test Operation>
SW5	Switch <Function Switch>
SW6	Switch <Model Select>
SW7	Switch <Function Switch>
SW8	Switch <Function Switch>
SW9	Switch <Function Switch>
SWP	Switch <Pump Down>
CN31	Connector <Emergency Operation>
CN3S	Connector <Connection for Option>
CNDM	Connector <Connection for Option>
CN51	Connector <Connection for Option>
SV1	Connector <Connection for Option>
SS	Connector <Connection for Option>
CNM	Connector <Connection for Option>
CNMNT	Connector <Connect to Optional M-NET Adapter Board>
CNVMNT	Connector <Connect to Optional M-NET Adapter Board>
LED1, LED2	LED <Operation Inspection Indicators>
F1, F2, F3, F4	Fuse <T6.3AL250V>
X51, X52, X54	Relay



*1. MODEL SELECT
The black square (■) indicates a switch position.

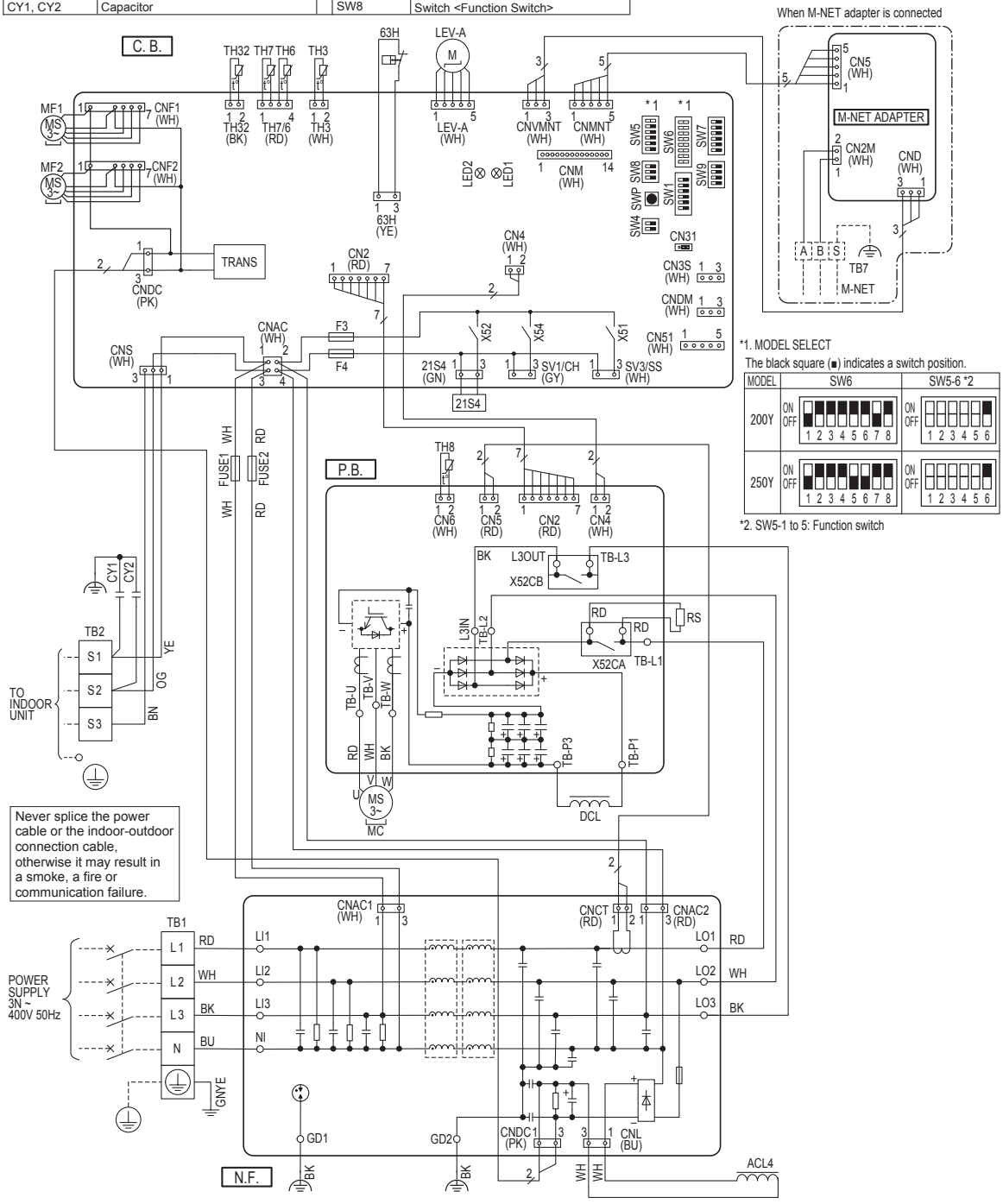
MODEL	SW6
100Y	ON OFF 1 2 3 4 5 6 7 8
125Y	ON OFF 1 2 3 4 5 6 7 8
140Y	ON OFF 1 2 3 4 5 6 7 8

M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

PUHZ-ZRP200YKA3
PUHZ-ZRP250YKA3

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply>	P.B.	Power Circuit Board	SW9	Switch <Function Switch>
TB2	Terminal Block <Indoor/Outdoor>	TB-U/V/W	Connection Terminal <U/V/W-Phase>	SWP	Switch <Pump Down>
MC	Motor for Compressor	TB-L1/L2/L3	Connection Terminal <L1/L2/L3-Power Supply>	CN31	Connector <Emergency Operation>
MF1, MF2	Fan Motor	TB-P1/P3	Connection Terminal	CN3S	Connector <Connection for Option>
21S4	Solenoid Valve (Four-Way Valve)	X52CA/B	52C Relay	CNDM	Connector <Connection for Option>
63H	High Pressure Switch	N.F.	Noise Filter Circuit Board	CN51	Connector <Connection for Option>
TH3	Thermistor <Liquid>	LI1/LI2/LI3/NI	Connection Terminal <L1/L2/L3/N-Power Supply>	SV1/CH	Connector <Connection for Option>
TH6	Thermistor <2-Phase Pipe>	LO1/LO2/LO3	Connection Terminal <L1/L2/L3-Power Supply>	SV3/SS	Connector <Connection for Option>
TH7	Thermistor <Ambient>	GD1, GD2	Connection Terminal <Ground>	CNM	Connector <Connection for Option>
TH8	Thermistor <Heat Sink>	C.B.	Controller Circuit Board	CNMNT	Connector <Connect to Optional M-NET Adapter Board>
TH32	Thermistor <Comp. Surface>	SW1	Switch <Manual Defrost, Defect History, Record Reset, Refrigerant Address>	CNVMNT	Connector <Connect to Optional M-NET Adapter Board>
LEV-A	Linear Expansion Valve	SW4	Switch <Test Operation>	LED1, LED2	LED <Operation Inspection Indicators>
ACL4	Reactor	SW5	Switch <Function Switch, Model Select>	F3, F4	Fuse <T6.3AL250V>
DCL	Reactor	SW6	Switch <Model Select>	X51, X52, X54	Relay
RS	Rush Current Protect Resistor	SW7	Switch <Function Switch>		
FUSE1, FUSE2	Fuse <T15AL250V>	SW8	Switch <Function Switch>		
CY1, CY2	Capacitor				



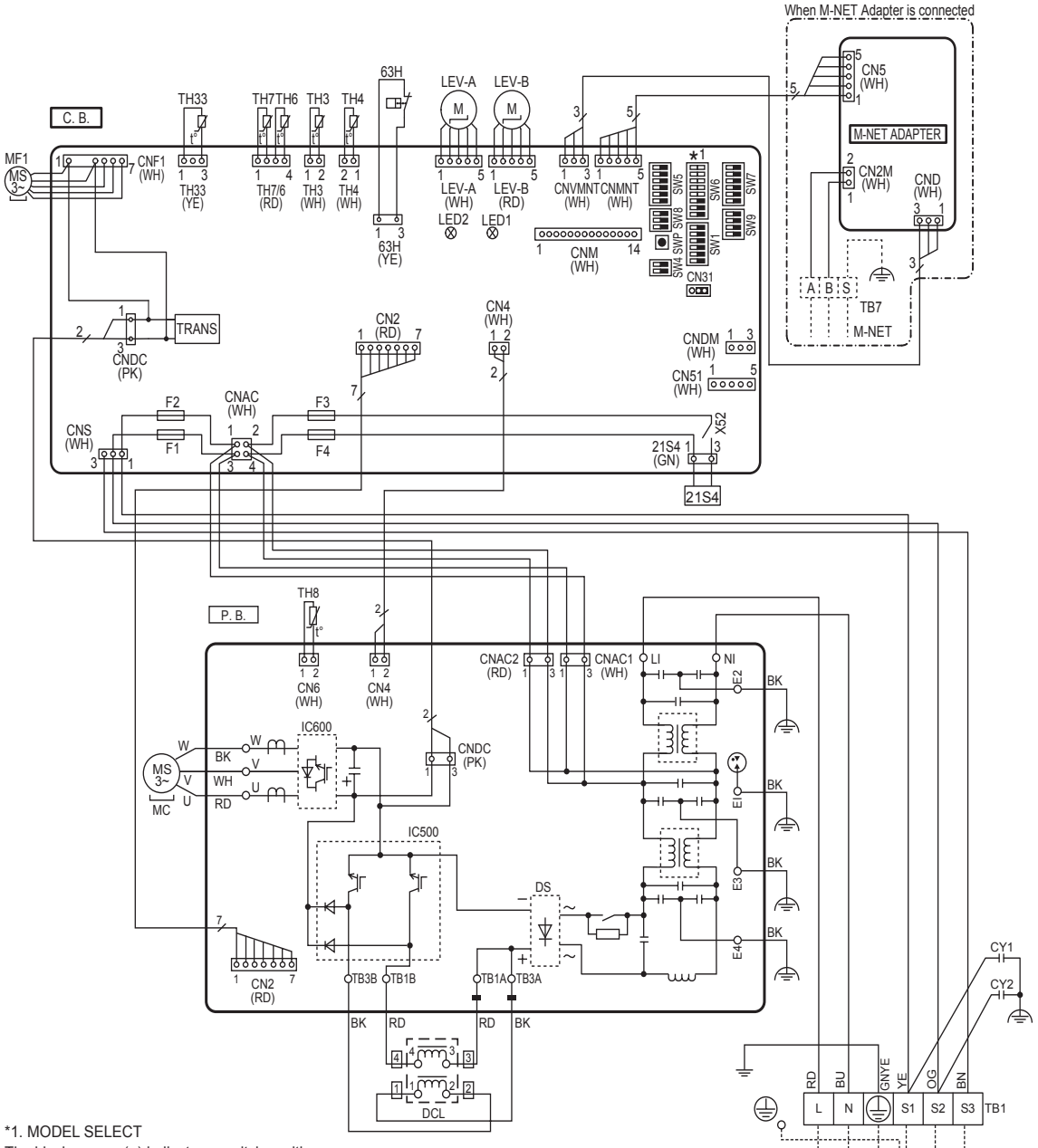
M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

3. PUHZ-P·KA

PUHZ-P100VKA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply, Indoor/Outdoor>	LEV-A, LEV-B	Linear Expansion Valve	SW5	Switch <Function Switch>
MC	Motor for Compressor	21S4	Solenoid Valve (4-Way Valve)	SW6	Switch <Model Select>
MF1	Fan Motor	DCL	Reactor	SW7	Switch <Function Switch>
63H	High Pressure Switch	CY1, CY2	Capacitor	SW8	Switch <Function Switch>
TH3	Thermistor <Liquid>	P.B.	Power Circuit Board	SW9	Switch <Function Switch>
TH4	Thermistor <Discharge>	C.B.	Controller Circuit Board	SWP	Switch <Pump Down>
TH6	Thermistor <2-Phase Pipe>	F1, F2, F3, F4	Fuse <T6.3AL250V>	CN31	Connector <Emergency Operation>
TH7	Thermistor <Ambient>	SW1	Switch <Manual Defrost, Defect History Record Reset, Refrigerant Address>	CN51	Connector <Connection for Option>
TH8	Thermistor <Heat Sink>			CNDM	Connector <Connection for Option>
TH33	Thermistor <Comp. Surface>	SW4	Switch <Function Switch>	CNM	Connector <Connection for Option>
				X52	Relay



*1. MODEL SELECT

The black square (■) indicates a switch position.

MODEL	SW6-4, 5, 6, 7, 8 *2
100V	ON / OFF 1 2 3 4 5 6 7 8

*2. SW6-1 to 3: Function switch

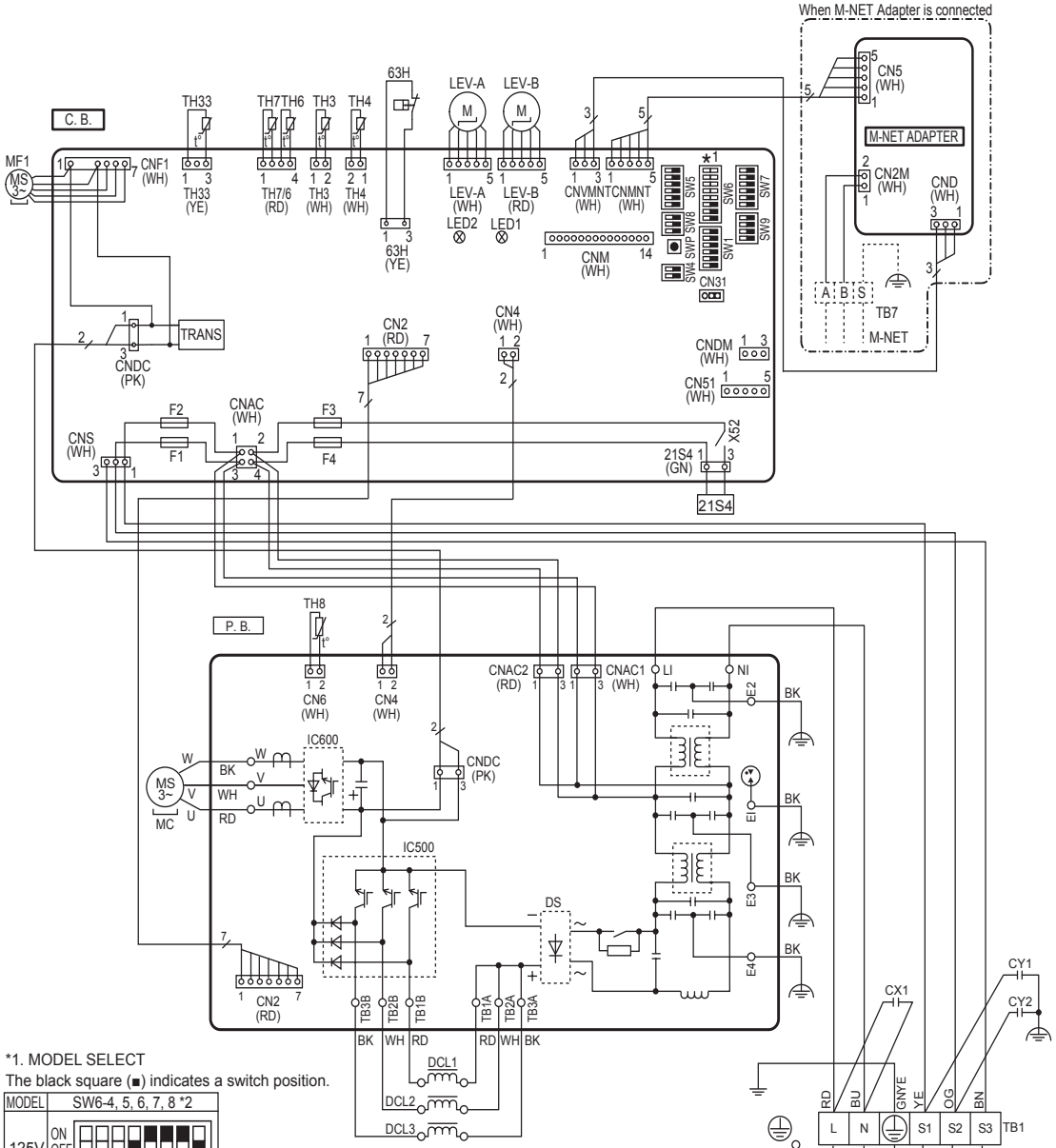
M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

Never splice the power cable or the indoor-outdoor connection cable, otherwise it may result in a smoke, a fire or communication failure.

PUHZ-P125VKA
PUHZ-P140VKA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply, Indoor/Outdoor>	21S4	Solenoid Valve (4-Way Valve)	SW6	Switch <Model Select>
MC	Motor for Compressor	DCL1, DCL2, DCL3	Reactor	SW7	Switch <Function Switch>
MF1	Fan Motor	CY1, CY2	Capacitor	SW8	Switch <Function Switch>
63H	High Pressure Switch	CX1	Capacitor	SW9	Switch <Function Switch>
TH3	Thermistor <Liquid>	P.B.	Power Circuit Board	SWP	Switch <Pump Down>
TH4	Thermistor <Discharge>	C.B.	Controller Circuit Board	CN31	Connector <Emergency Operation>
TH6	Thermistor <2-Phase Pipe>	F1, F2, F3, F4	Fuse <T6.3AL250V>	CN51	Connector <Connection for Option>
TH7	Thermistor <Ambient>	SW1	Switch <Manual Defrost, Defect History Record Reset, Refrigerant Address>	CNDM	Connector <Connection for Option>
TH8	Thermistor <Heat Sink>			CNM	Connector <Connection for Option>
TH33	Thermistor <Comp. Surface>	SW4	Switch <Function Switch>	X52	Relay
LEV-A, LEV-B	Linear Expansion Valve	SW5	Switch <Function Switch>		



*1. MODEL SELECT
The black square (■) indicates a switch position.

MODEL	SW6-4, 5, 6, 7, 8 *2
125V	ON OFF 1 2 3 4 5 6 7 8
140V	ON OFF 1 2 3 4 5 6 7 8

*2. SW6-1 to 3: Function switch

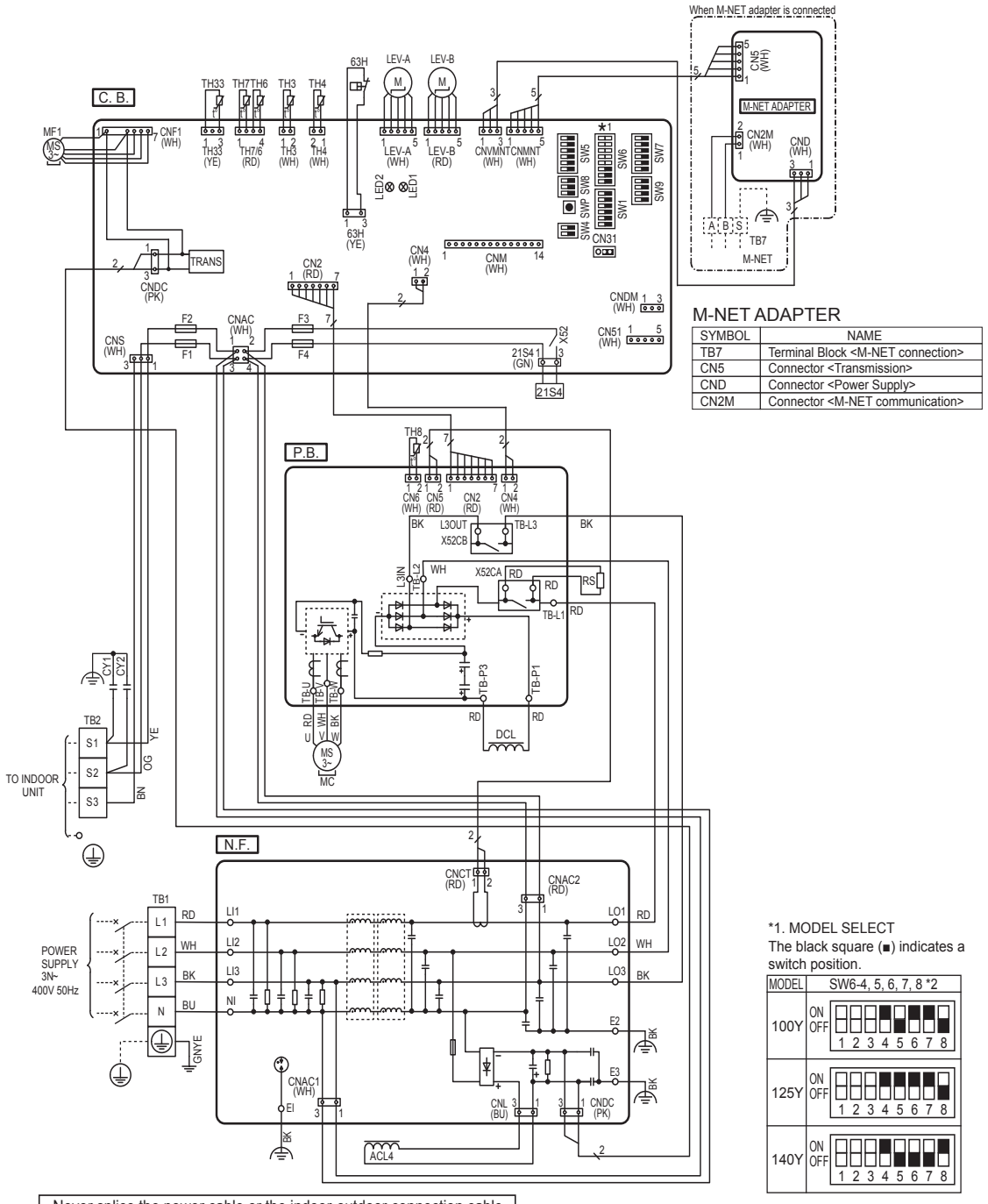
M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

Never splice the power cable or the indoor-outdoor connection cable, otherwise it may result in a smoke, a fire or communication failure.

PUHZ-P100YKA
PUHZ-P125YKA
PUHZ-P140YKA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply>	21S4	Solenoid Valve (4-Way Valve)	SW5	Switch <Function Switch>
TB2	Terminal Block <Indoor/Outdoor>	ACL4	Reactor	SW6	Switch <Model Select>
MC	Motor for Compressor	DCL	Reactor	SW7	Switch <Function Switch>
MF1	Fan Motor	RS	Resistor	SW8	Switch <Function Switch>
63H	High Pressure Switch	CY1, CY2	Capacitor	SW9	Switch <Function Switch>
TH3	Thermistor <Liquid>	P.B.	Power Circuit Board	SWP	Switch <Pump Down>
TH4	Thermistor <Discharge>	N.F.	Noise Filter Circuit Board	CN31	Connector <Emergency Operation>
TH6	Thermistor <2-Phase Pipe>	C.B.	Controller Circuit Board	CN51	Connector <Connection for Option>
TH7	Thermistor <Ambient>	F1, F2, F3, F4	Fuse <T6.3AL250V>	CNDM	Connector <Connection for Option>
TH8	Thermistor <Heat Sink>	SW1	Switch <Manual Defrost, Defect History Record Reset, Refrigerant Address>	CNM	Connector <Connection for Option>
TH33	Thermistor <Comp. Surface>			X52	Relay
LEV-A, LEV-B	Linear Expansion Valve	SW4	Switch <Function Switch>		



M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

*1. MODEL SELECT
The black square (■) indicates a switch position.

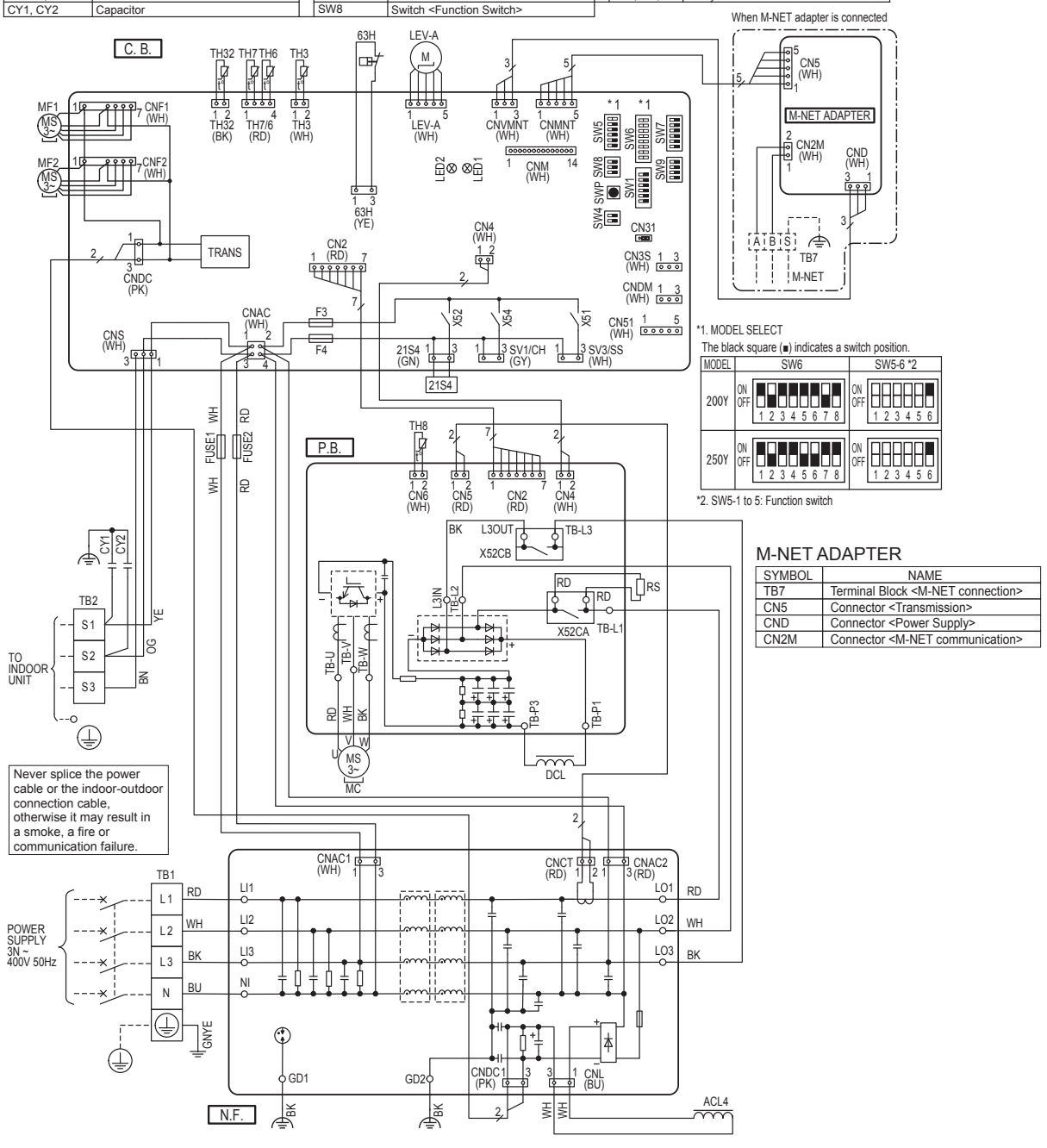
MODEL	SW6-4, 5, 6, 7, 8 *2
100Y	ON / OFF 1 2 3 4 5 6 7 8
125Y	ON / OFF 1 2 3 4 5 6 7 8
140Y	ON / OFF 1 2 3 4 5 6 7 8

*2. SW6-1 to 3: Function switch

Never splice the power cable or the indoor-outdoor connection cable, otherwise it may result in a smoke, a fire or communication failure.

PUHZ-P200YKA3
PUHZ-P250YKA3

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply>	P.B.	Power Circuit Board	SW9	Switch <Function Switch>
TB2	Terminal Block <Indoor/Outdoor>	TB-U/V/W	Connection Terminal <U/V/W-Phase>	SWP	Switch <Pump Down>
MC	Motor for Compressor	TB-L1/L2/L3	Connection Terminal <L1/L2/L3-Power Supply>	CN31	Connector <Emergency Operation>
MF1, MF2	Fan Motor	TB-P1/P3	Connection Terminal	CN3S	Connector <Connection for Option>
21S4	Solenoid Valve (Four-Way Valve)	X52CA/B	52C Relay	CNDM	Connector <Connection for Option>
63H	High Pressure Switch	N.F.	Noise Filter Circuit Board	CN51	Connector <Connection for Option>
TH3	Thermistor <Liquid>	LI1/LI2/LI3/NI	Connection Terminal <L1/L2/L3/N-Power Supply>	SV1/CH	Connector <Connection for Option>
TH6	Thermistor <2-Phase Pipe>	LO1/LO2/LO3	Connection Terminal <L1/L2/L3-Power Supply>	SV3/SS	Connector <Connection for Option>
TH7	Thermistor <Ambient>	GD1, GD2	Connection Terminal <Ground>	CNM	Connector <Connection for Option>
TH8	Thermistor <Heat Sink>	C.B.	Controller Circuit Board	CNMNT	Connector <Connect to Optional M-NET Adapter Board>
TH32	Thermistor <Comp. Surface>	SW1	Switch <Manual Defrost, Defect History, Record Reset, Refrigerant Address>	CNVMNT	Connector <Connect to Optional M-NET Adapter Board>
LEV-A	Linear Expansion Valve	SW4	Switch <Test Operation>	LED1, LED2	LED <Operation Inspection Indicators>
ACL4	Reactor	SW5	Switch <Function Switch, Model Select>	F3, F4	Fuse <T6.3AL250V>
DCL	Reactor	SW6	Switch <Model Select>	X51, X52, X54	Relay
RS	Rush Current Protect Resistor	SW7	Switch <Function Switch>		
FUSE1, FUSE2	Fuse <T15AL250V>	SW8	Switch <Function Switch>		
CY1, CY2	Capacitor				



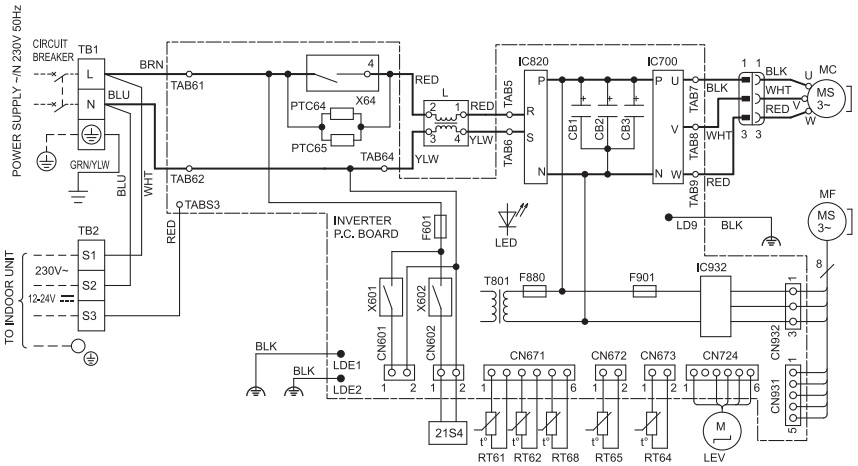
MODEL	SW6	SW5-6 *2
200Y	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6
250Y	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6

M-NET ADAPTER

SYMBOL	NAME
TB7	Terminal Block <M-NET connection>
CN5	Connector <Transmission>
CND	Connector <Power Supply>
CN2M	Connector <M-NET communication>

4. SUZ-SA•VA

SUZ-SA71VA3



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
F601	FUSE(T3.15AL250V)	LED	LED	RT62	DISCHARGE TEMP.THERMISTOR	X601	RELAY
F880	FUSE(T3.15AL250V)	LEV	EXPANSION VALVE COIL	RT64	FIN TEMP.THERMISTOR	X602	RELAY
F901	FUSE(T3.15AL250V)	MC	COMPRESSOR	RT65	AMBIENT TEMP.THERMISTOR	X64	RELAY
IC700	IGBT Module	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP.THERMISTOR	21S4	REVERSING VALVE SOLENOID COIL
IC820	DIODE Module	PTC64	CIRCUIT PROTECTION				
IC932	IGBT Module	PTC65	CIRCUIT PROTECTION	TB1,TB2	TERMINAL BLOCK		

NOTES 1.About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2.Use copper conductors only(for field wiring). 3.Symbols indicate, □□ :Terminal block

Safety Precautions in Servicing Electrical Parts

Before performing inspection and repairs,be sure to confirm that the voltage of the smoothing capacitor is less than 10V DC between P(+) and N(-) terminals of IC700 when measured with a tester ten minutes after the power has been turned off.
Since the electrolytic capacitor used for the inverter is usually charged with 325V DC voltage, and the electric charge remains for a while after the power is cut,the shock would be given if contacted its charging part (not only the electrolytic capacitor),resulting sometimes in serious injury. In case the residual voltage of the electrolytic capacitor mentioned above exceeds 10V DC, connect P(+) and N(-) terminals of IC700 with either a discharge resistor (approx.100Ω,40W) or a soldering iron plug to let the electric charge discharge.

One Point Checking for Inverter

	Item	Symptom	Check point
1	Power supply	There is no 230V AC power between terminals [L] and [N].	Check the power supply cable.
2	Fuse	The fuse(F901) has blown.	Check the INVERTER P.C. BOARD and fan motor.
3	Power for main circuit	There is no 325V DC Power between pins P(+) and N(-) terminals of IC700.	Check the INVERTER P.C. BOARD, the reactor, and the main circuit wiring.
4	Inverter output	AC voltages between wires are different during operation with the inverter disconnected from the compressor.	Check the power board.
5	LED display (while compressor is not in operation.)	Lighting	Normal
		Flashing	Abnormality or stop due to protective function(refer to "Troubleshootings When LED Blinks" shown below.)
		Goes out	Check the INVERTER P.C. BOARD, fan motor and the power for main circuit.

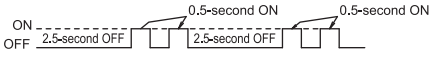
* For details, refer to the appropriate service manual.

Troubleshootings When LED Blinks

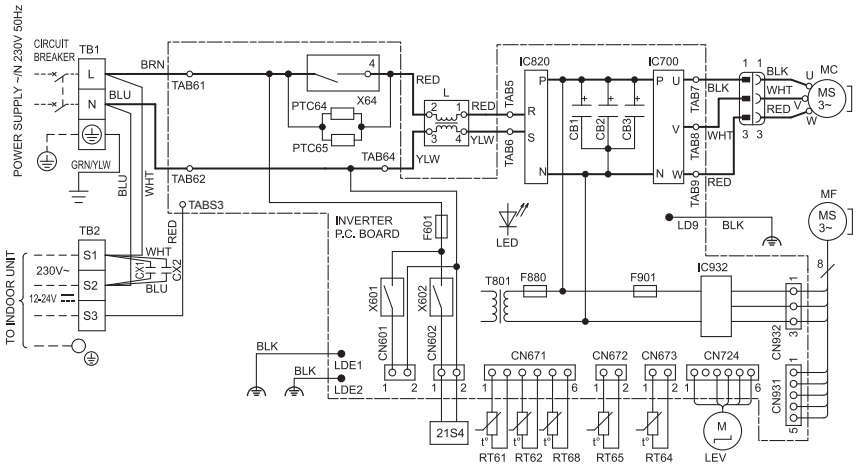
When the compressor stops due to protective functions,the LED blinks on the outdoor INVERTER P.C. BOARD. Perform the inspection referring to the table below. For your reference, when the LED is lighted,the unit is in normal operation.
When the LED goes out, run the unit in the emergency operation and check the blinking frequency of LED.

Blinking frequency of LED on the INVERTER P.C. BOARD in the outdoor unit	Troubleshooting	
	Symptom	Corresponds
Once	Abnormality in outdoor power supply system	1.Check outdoor INVERTER P.C. BOARD 2.Reconnect compressor connector 3.Check compressor 4.Check stop valve
Once	Abnormality in outdoor thermistor	Check thermistor including poor contact or disconnection of its connector
Once	Abnormality in outdoor control system	Check outdoor INVERTER P.C. BOARD
Twice	Protection for overcurrent	1.Check outdoor INVERTER P.C. BOARD 2.Reconnect compressor connector 3.Check compressor 4.Check stop valve
3 times	Protection for overheat of discharge temperature	1.Charge refrigerant 2.Check expansion valve
4 times	Protection for overheat of fin temperature/P.C. board temperature	1.Check air circulation in outdoor unit(short cycle) 2.Check outdoor fan motor 3.Check obstruction in air inlet/outlet of outdoor unit
5 times	Protection for raising of high pressure	1.Check refrigerant circuit(clogging etc.) 2.Check stop valve
6 times	Abnormality of serial signal	Check indoor electronic control P.C. board and outdoor INVERTER P.C. BOARD
8 times	Abnormality of compressor synchronism	1.Reconnect compressor connector 2.Check compressor 3.Check outdoor INVERTER P.C. BOARD
10 times	Abnormality of outdoor fan motor	1.Reconnect connectors for fan motor 2.Check outdoor INVERTER P.C. BOARD 3.Check outdoor fan motor
11 times	Protection for stop valve(Closed valve)	Check stop valve
12 times	Abnormality of compressor phase current	Check outdoor INVERTER P.C. BOARD
13 times	Abnormality of DC voltage	Check outdoor INVERTER P.C. BOARD
16 times	Abnormality in refrigerant system	Refer to SERVICE MANUAL

The blinking frequency shows the number of times the LED blinks after every 2.5-second OFF.
[Example] Blinking frequency is "Twice".



SUZ-SA100VA2



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC932	IGBT Module	PTC65	CIRCUIT PROTECTION	TB1,TB2	TERMINAL BLOCK
CX1,CX2	CAPACITOR	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
F601	FUSE(T3.15AL250V)	LED	LED	RT62	DISCHARGE TEMP.THERMISTOR	X601	RELAY
F880	FUSE(T3.15AL250V)	LEV	EXPANSION VALVE COIL	RT64	FIN TEMP.THERMISTOR	X602	RELAY
F901	FUSE(T3.15AL250V)	MC	COMPRESSOR	RT65	AMBIENT TEMP.THERMISTOR	X64	RELAY
IC700	IGBT Module	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP.THERMISTOR	21S4	REVERSING VALVE SOLENOID COIL
IC820	DIODE Module	PTC64	CIRCUIT PROTECTION				

NOTES 1.About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2.Use copper conductors only(for field wiring). 3.Symbols indicate, □□ :Terminal block

Safety Precautions in Servicing Electrical Parts

Before performing inspection and repairs,be sure to confirm that the voltage of the smoothing capacitor is less than 10V DC between P(+) and N(-) terminals of IC700 when measured with a tester ten minutes after the power has been turned off.
Since the electrolytic capacitor used for the inverter is usually charged with 325V DC voltage, and the electric charge remains for a while after the power is cut,the shock would be given if contacted its charging part (not only the electrolytic capacitor),resulting sometimes in serious injury. In case the residual voltage of the electrolytic capacitor mentioned above exceeds 10V DC, connect P(+) and N(-) terminals of IC700 with either a discharge resistor (approx.100Ω,40W) or a soldering iron plug to let the electric charge discharge.

One Point Checking for Inverter

	Item	Symptom	Check point
1	Power supply	There is no 230V AC power between terminals [L] and [N].	Check the power supply cable.
2	Fuse	The fuse(F901) has blown.	Check the INVERTER P.C. BOARD and fan motor.
3	Power for main circuit	There is no 325V DC Power between pins P(+) and N(-) terminals of IC700.	Check the INVERTER P.C. BOARD, the reactor, and the main circuit wiring.
4	Inverter output	AC voltages between wires are different during operation with the inverter disconnected from the compressor.	Check the power board.
5	LED display (while compressor is not in operation.)	Lighting	Normal
		Flashing	Abnormality or stop due to protective function(refer to "Troubleshootings When LED Blinks" shown below.)
		Goes out	Check the INVERTER P.C. BOARD, fan motor and the power for main circuit.

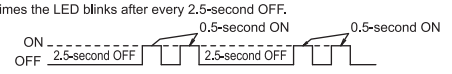
* For details, refer to the appropriate service manual.

Troubleshootings When LED Blinks

When the compressor stops due to protective functions,the LED blinks on the outdoor INVERTER P.C. BOARD. Perform the inspection referring to the table below. For your reference, when the LED is lighted,the unit is in normal operation.
When the LED goes out, run the unit in the emergency operation and check the blinking frequency of LED.

Blinking frequency of LED on the INVERTER P.C. BOARD in the outdoor unit	Troubleshooting	
	Symptom	Corresponds
Once	Abnormality in outdoor power supply system	1.Check outdoor INVERTER P.C. BOARD 2.Reconnect compressor connector 3.Check compressor 4.Check stop valve
Once	Abnormality in outdoor thermistor	Check thermistor including poor contact or disconnection of its connector
Once	Abnormality in outdoor control system	Check outdoor INVERTER P.C. BOARD
Twice	Protection for overcurrent	1.Check outdoor INVERTER P.C. BOARD 2.Reconnect compressor connector 3.Check compressor 4.Check stop valve
3 times	Protection for overheat of discharge temperature	1.Charge refrigerant 2.Check expansion valve
4 times	Protection for overheat of fin temperature/P.C. board temperature	1.Check air circulation in outdoor unit(short cycle) 2.Check outdoor fan motor 3.Check obstruction in air inlet/outlet of outdoor unit
5 times	Protection for raising of high pressure	1.Check refrigerant circuit(clogging etc.) 2.Check stop valve
6 times	Abnormality of serial signal	Check indoor electronic control P.C. board and outdoor INVERTER P.C. BOARD
8 times	Abnormality of compressor synchronism	1.Reconnect compressor connector 2.Check compressor 3.Check outdoor INVERTER P.C. BOARD
10 times	Abnormality of outdoor fan motor	1.Reconnect connectors for fan motor 2.Check outdoor INVERTER P.C. BOARD 3.Check outdoor fan motor
11 times	Protection for stop valve(Closed valve)	Check stop valve
12 times	Abnormality of compressor phase current	Check outdoor INVERTER P.C. BOARD
13 times	Abnormality of DC voltage	Check outdoor INVERTER P.C. BOARD
16 times	Abnormality in refrigerant system	Refer to SERVICE MANUAL

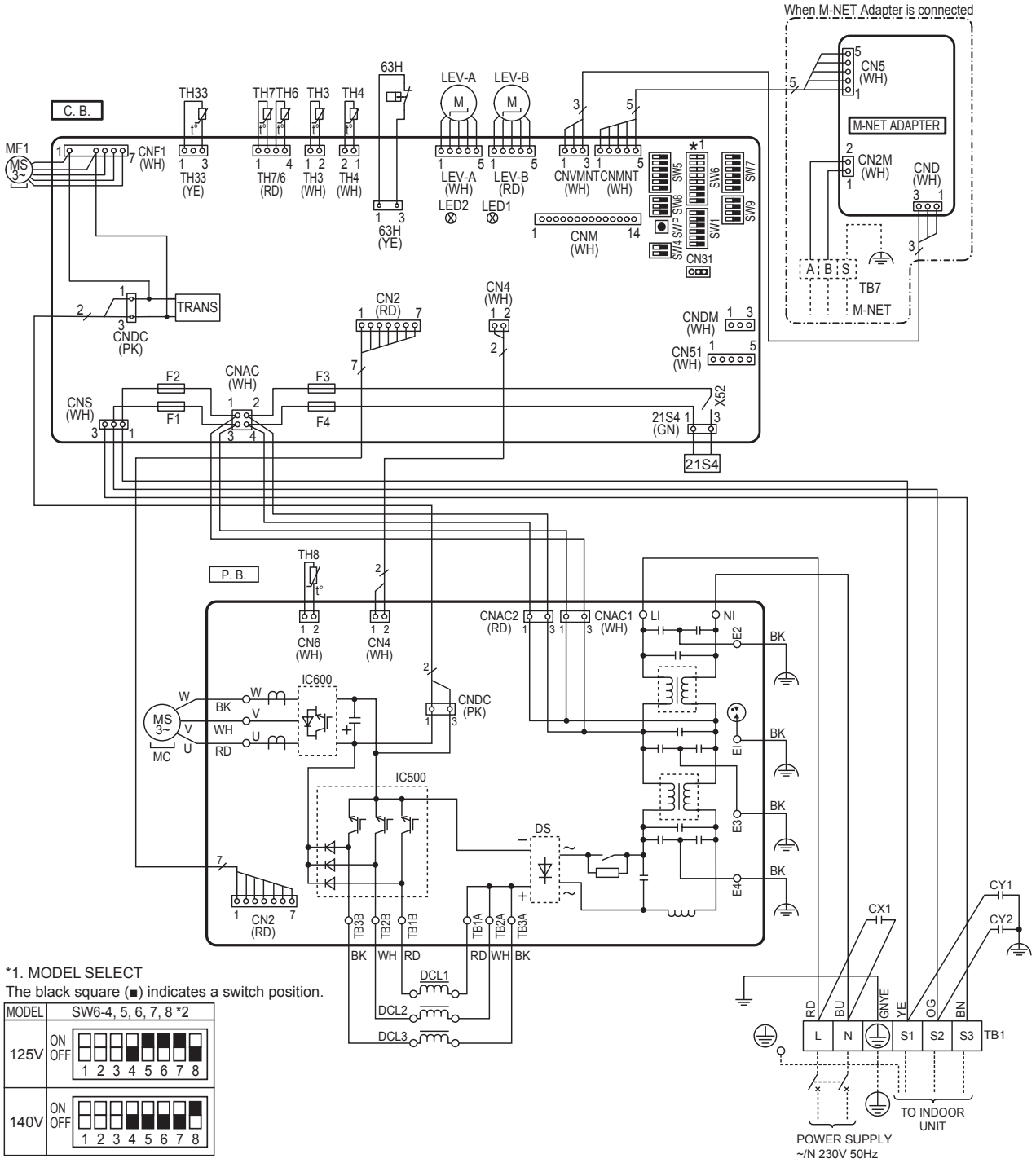
The blinking frequency shows the number of times the LED blinks after every 2.5-second OFF.
[Example] Blinking frequency is "Twice".



5. PUHZ-SP•KA

PUHZ-SP125VKA
PUHZ-SP140VKA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply, Indoor/Outdoor>	21S4	Solenoid Valve (4-Way Valve)	SW6	Switch <Model Select>
MC	Motor for Compressor	DCL1, DCL2, DCL3	Reactor	SW7	Switch <Function Switch>
MF1	Fan Motor	CY1, CY2	Capacitor	SW8	Switch <Function Switch>
63H	High Pressure Switch	CX1	Capacitor	SW9	Switch <Function Switch>
TH3	Thermistor <Liquid>	P.B.	Power Circuit Board	SWP	Switch <Pump Down>
TH4	Thermistor <Discharge>	C.B.	Controller Circuit Board	CN31	Connector <Emergency Operation>
TH6	Thermistor <2-Phase Pipe>	F1, F2, F3, F4	Fuse <T6.3AL250V>	CN51	Connector <Connection for Option>
TH7	Thermistor <Ambient>	SW1	Switch <Manual Defrost, Defect History Record Reset, Refrigerant Address>	CNDM	Connector <Connection for Option>
TH8	Thermistor <Heat Sink>			CNM	Connector <Connection for Option>
TH33	Thermistor <Comp. Surface>	SW4	Switch <Function Switch>	X52	Relay
LEV-A, LEV-B	Linear Expansion Valve	SW5	Switch <Function Switch>		



*1. MODEL SELECT
The black square (■) indicates a switch position.

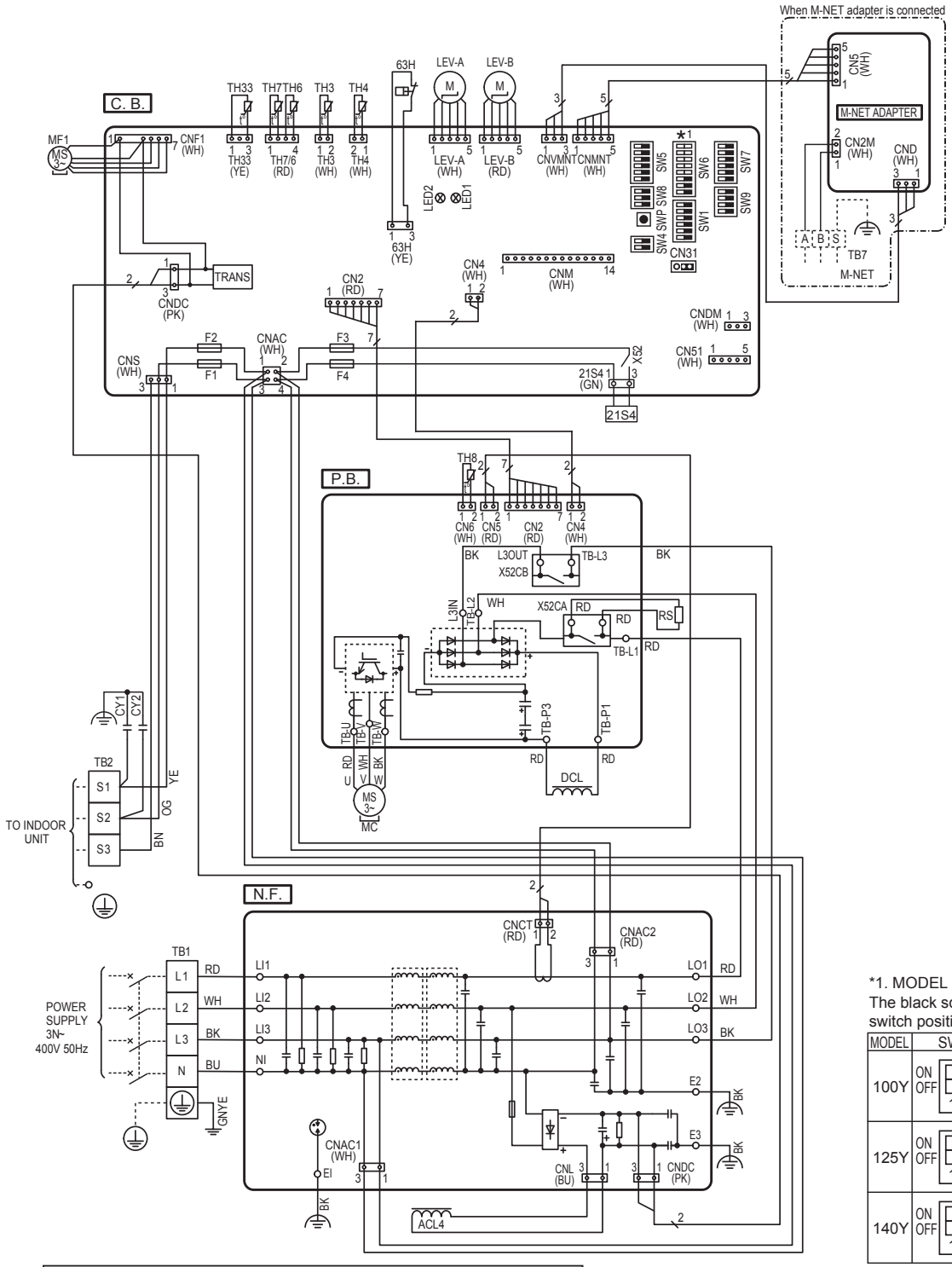
MODEL	SW6-4, 5, 6, 7, 8 *2
125V	ON OFF 1 2 3 4 5 6 7 8
140V	ON OFF 1 2 3 4 5 6 7 8

*2. SW6-1 to 3: Function switch

Never splice the power cable or the indoor-outdoor connection cable, otherwise it may result in a smoke, a fire or communication failure.

PUHZ-SP100YKA
PUHZ-SP125YKA
PUHZ-SP140YKA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply>	21S4	Solenoid Valve (4-Way Valve)	SW5	Switch <Function Switch>
TB2	Terminal Block <Indoor/Outdoor>	ACL4	Reactor	SW6	Switch <Model Select>
MC	Motor for Compressor	DCL	Reactor	SW7	Switch <Function Switch>
MF1	Fan Motor	RS	Resistor	SW8	Switch <Function Switch>
63H	High Pressure Switch	CY1, CY2	Capacitor	SW9	Switch <Function Switch>
TH3	Thermistor <Liquid>	P.B.	Power Circuit Board	SWP	Switch <Pump Down>
TH4	Thermistor <Discharge>	N.F.	Noise Filter Circuit Board	CN31	Connector <Emergency Operation>
TH6	Thermistor <2-Phase Pipe>	C.B.	Controller Circuit Board	CN51	Connector <Connection for Option>
TH7	Thermistor <Ambient>	F1, F2, F3, F4	Fuse <T6.3AL250V>	CNDM	Connector <Connection for Option>
TH8	Thermistor <Heat Sink>	SW1	Switch <Manual Defrost, Defect History Record Reset, Refrigerant Address>	CNM	Connector <Connection for Option>
TH33	Thermistor <Comp. Surface>			X52	Relay
LEV-A, LEV-B	Linear Expansion Valve	SW4	Switch <Function Switch>		



*1. MODEL SELECT
The black square (■) indicates a switch position.

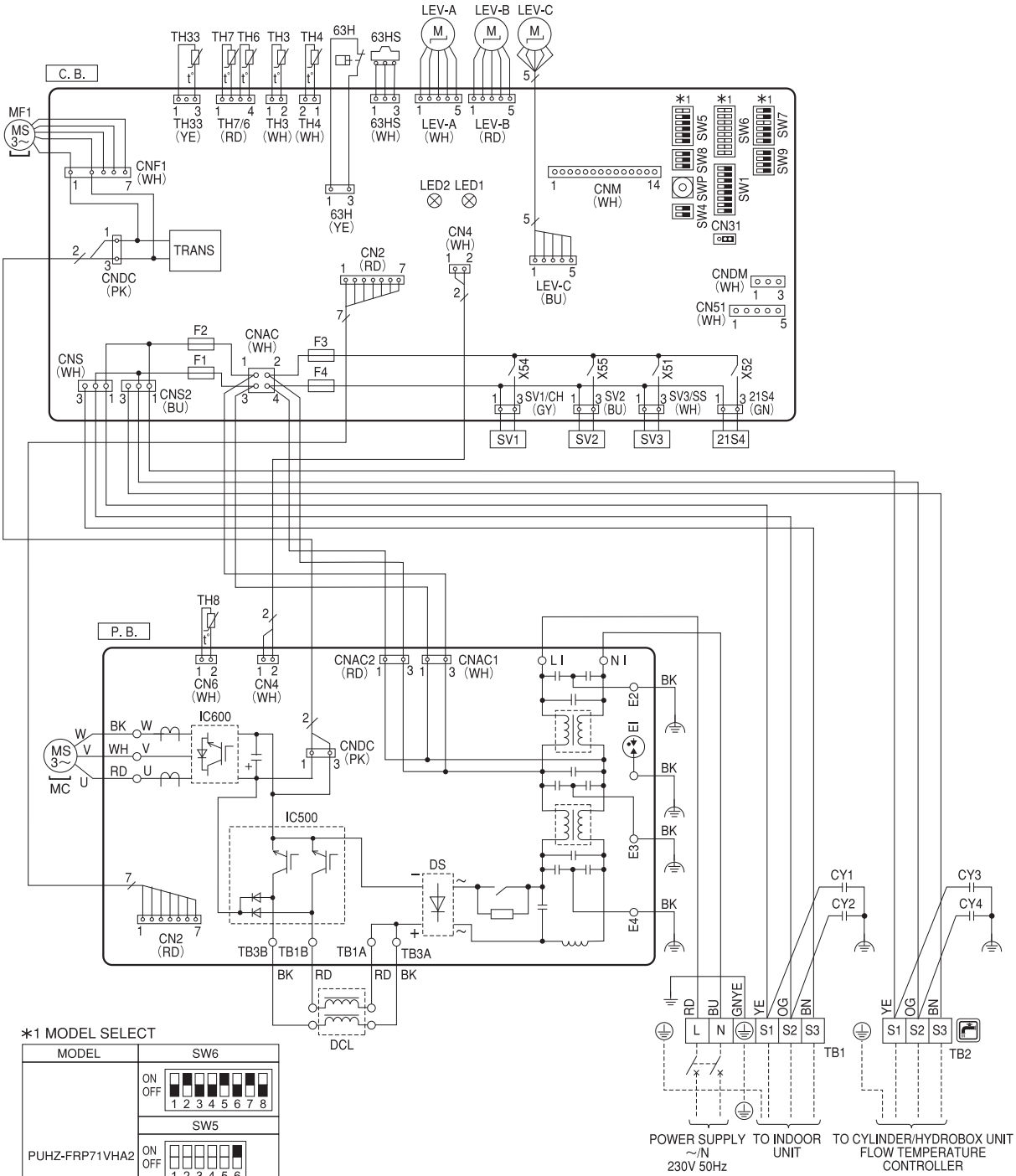
MODEL	SW6-4, 5, 6, 7, 8 *2
100Y	ON / OFF 1 2 3 4 5 6 7 8
125Y	ON / OFF 1 2 3 4 5 6 7 8
140Y	ON / OFF 1 2 3 4 5 6 7 8

*2. SW6-1 to 3: Function switch

Never splice the power cable or the indoor-outdoor connection cable, otherwise it may result in a smoke, a fire or communication failure.

6. PUHZ-FRP71VHA2

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block 〈Power Supply, Indoor/Outdoor〉	SV1	Solenoid Valve 1	SW5	Switch 〈Function Switch, Model Select〉
TB2	Terminal Block 〈Cylinder/HydroboxUNIT/Outdoor〉	SV2	Solenoid Valve 2	SW6	Switch 〈Model Select〉
MC	Motor for Compressor	SV3	Solenoid Valve 3	SW7	Switch 〈Function Switch, Model Select〉
MF1	Fan Motor	LEV-A, LEV-B, LEV-C	Linear Expansion Valve	SW8	Switch 〈Function Switch〉
21S4	Solenoid Valve (4-Way Valve)	DCL	Reactor	SW9	Switch 〈Function Switch〉
63H	High Pressure Switch	CY1, CY2, CY3, CY4	Capacitor	SWP	Switch 〈Pump Down〉
63HS	High Pressure Sensor	P.B.	Power Circuit Board	CNDM	Connector 〈Connection for Option〉
TH3	Thermistor 〈Liquid〉	C.B.	Controller Circuit Board	CN31	Connector 〈Emergency Operation〉
TH4	Thermistor 〈Discharge〉	F1, F2	Fuse 〈T10AL250V〉	CN51	Connector 〈Connection for Option〉
TH6	Thermistor 〈2-Phase Pipe〉	F3, F4	Fuse 〈T6.3AL250V〉	CNM	Connector 〈Connection for Option〉
TH7	Thermistor 〈Ambient〉	SW1	Switch 〈Manual Defrost, Defect History Record Reset, Refrigerant Address 〉	LED1, LED2	LED
TH8	Thermistor 〈Heat Sink〉				
TH33	Thermistor 〈Comp. Surface〉	SW4	Switch 〈Test Run Switch〉		



∗1 MODEL SELECT

MODEL	SW6	SW5	SW7
PUHZ-FRP71VHA2	ON OFF 1 2 3 4 5 6 7 8	ON OFF 1 2 3 4 5 6	ON OFF 1 2 3 4 5 6

The black square (■) indicates a switch position.

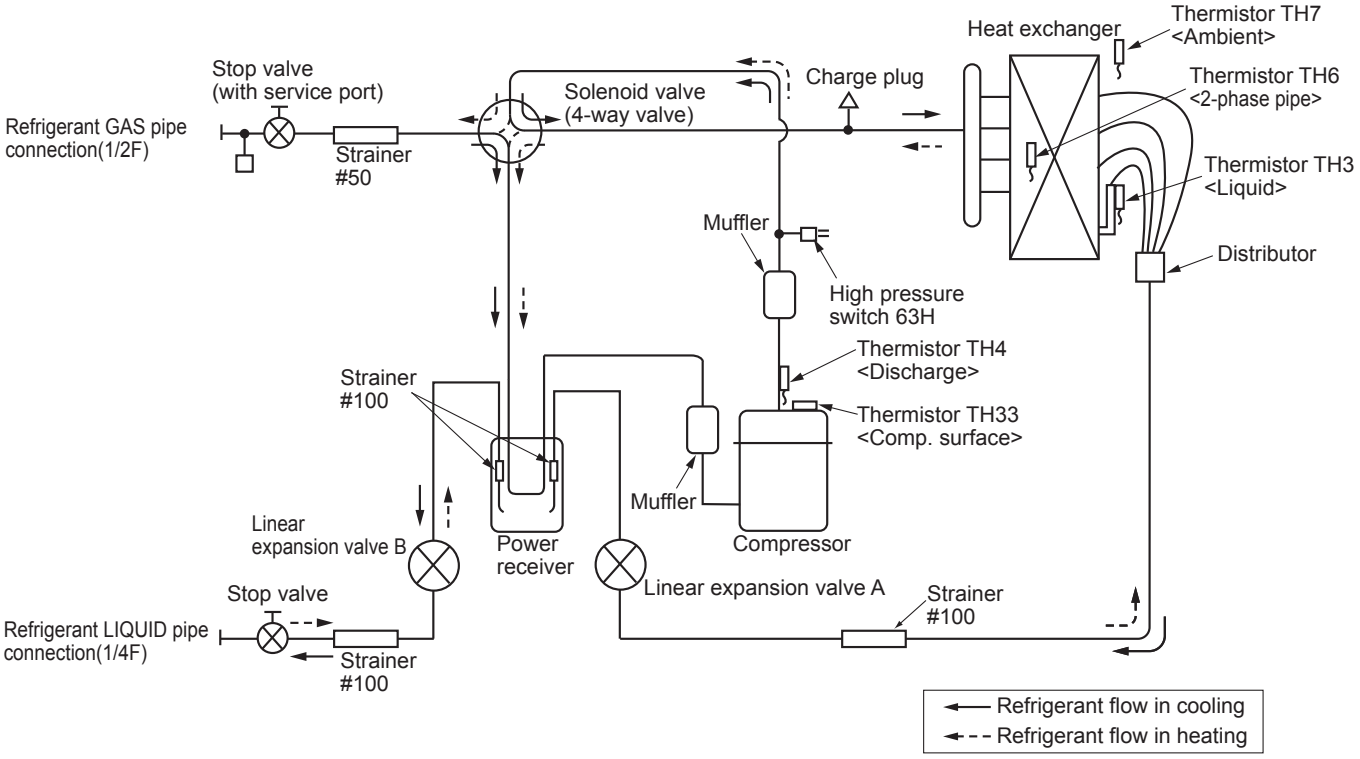
A.8.3 REFRIGERANT SYSTEM DIAGRAM

A.8.3.1 R32 type

1. PUZ-ZM•HA, KA

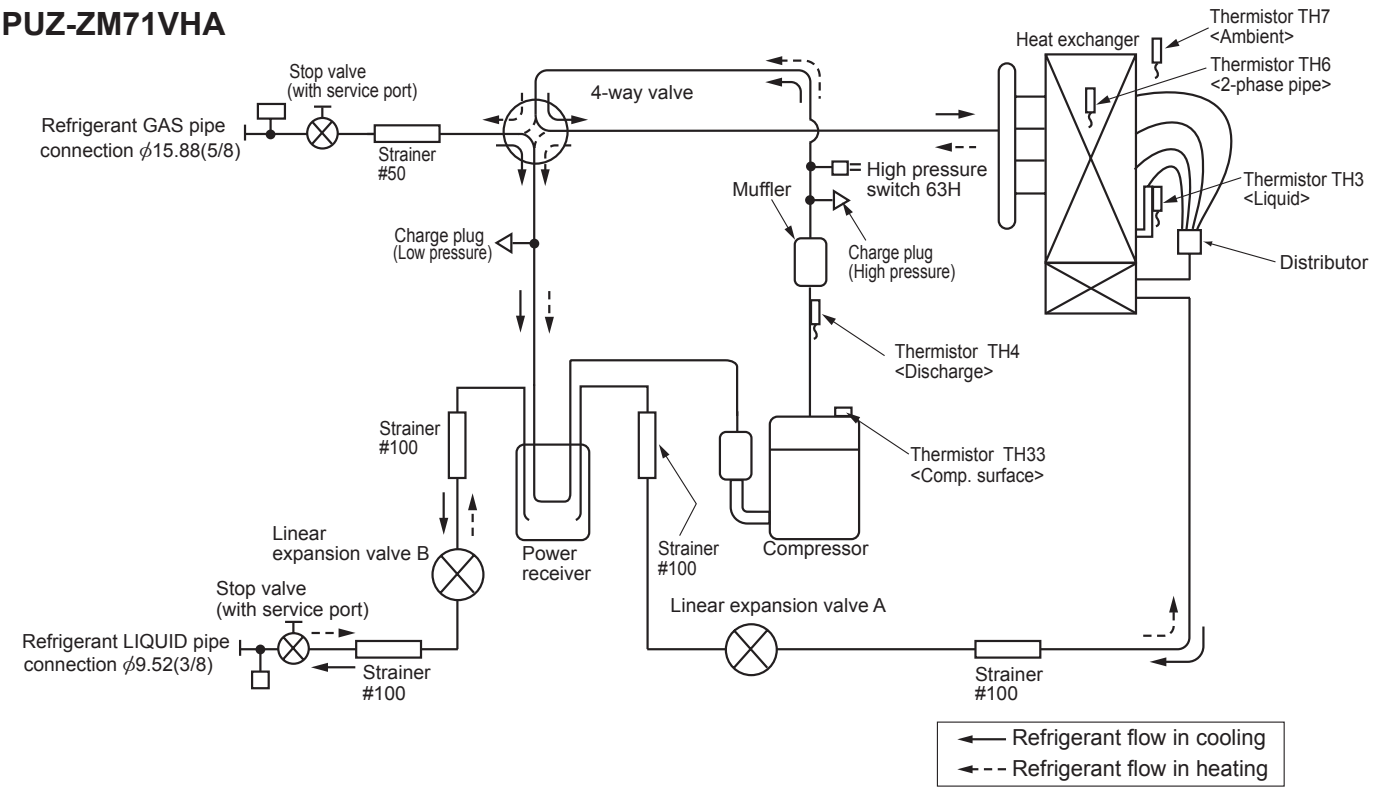
PUZ-ZM35VKA
PUZ-ZM50VKA

Unit: mm



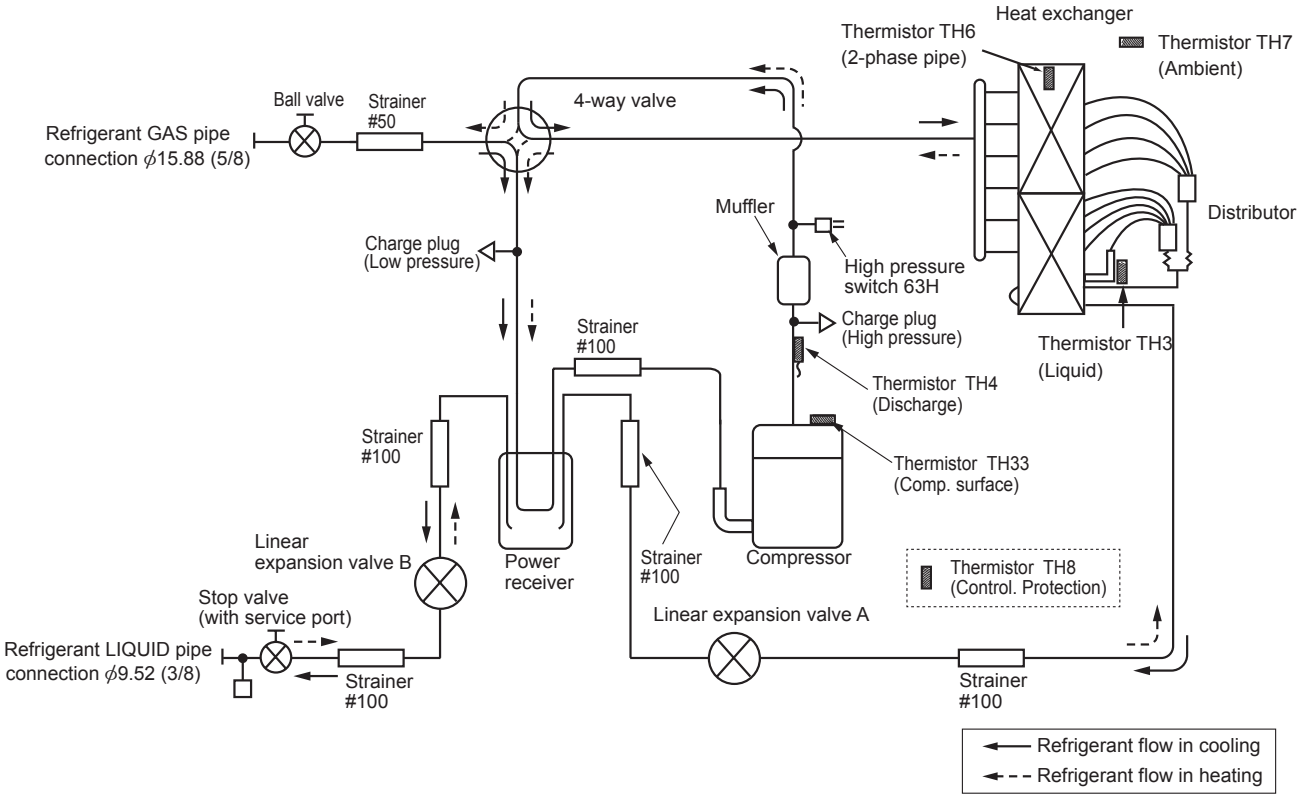
Unit: mm

PUZ-ZM60VHA
PUZ-ZM71VHA



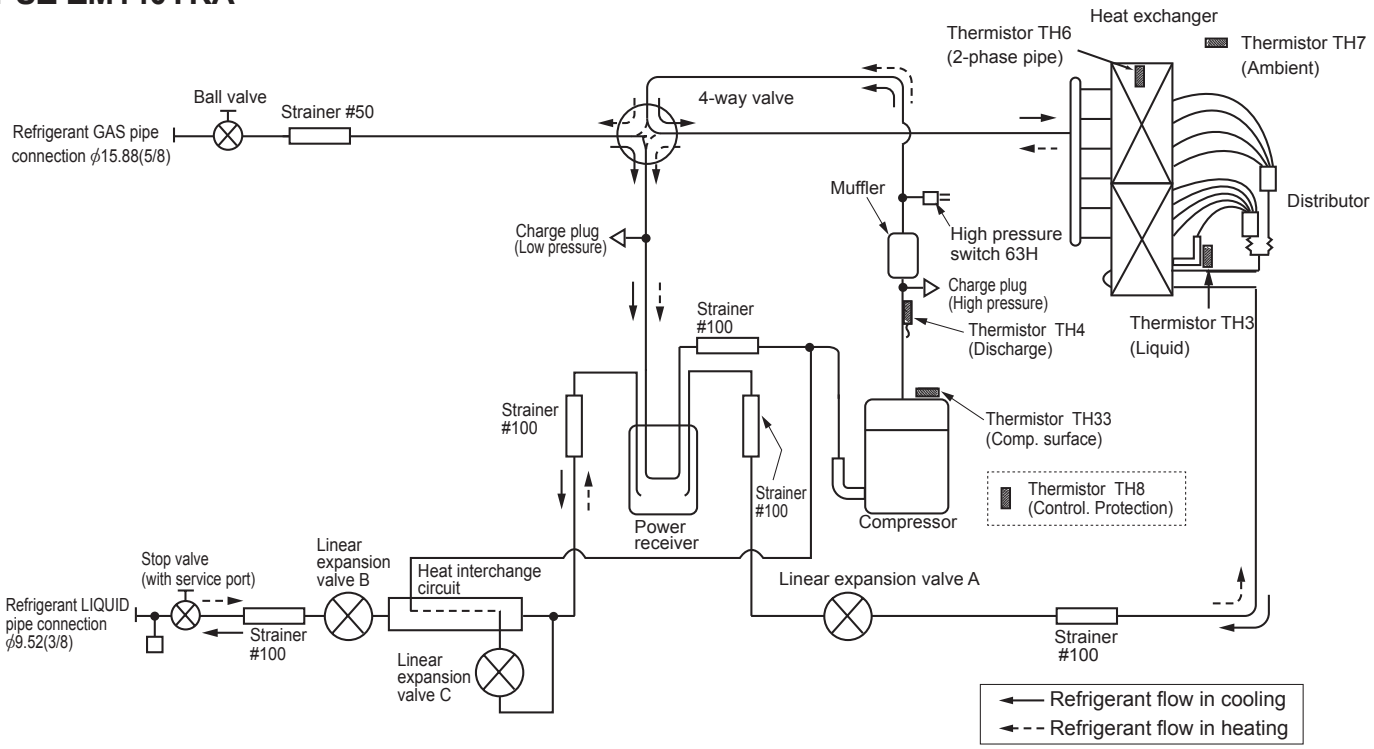
PUZ-ZM100VKA
PUZ-ZM100YKA
PUZ-ZM125VKA
PUZ-ZM125YKA

Unit: mm



PUZ-ZM140VKA
PUZ-ZM140YKA

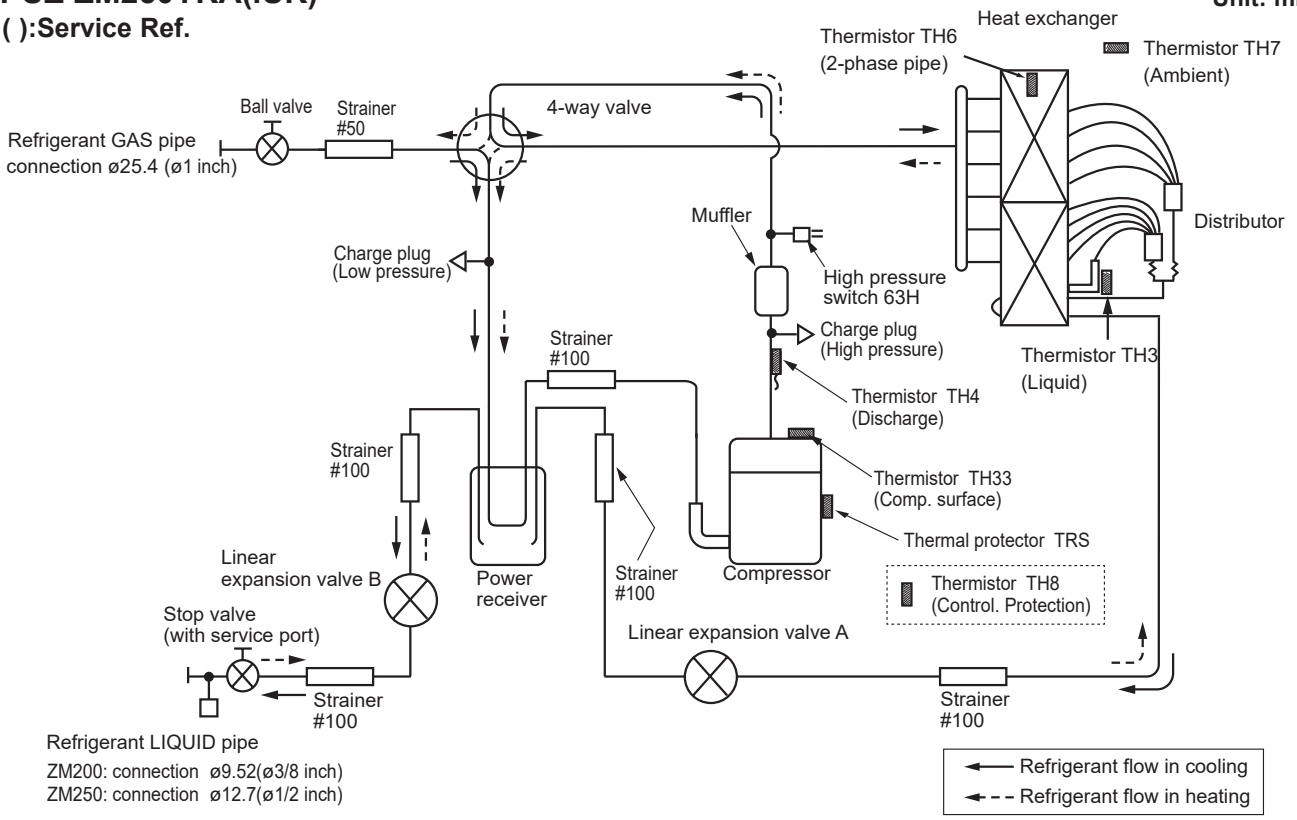
Unit: mm



PUZ-ZM200YKA(.UK)
PUZ-ZM250YKA(.UK)

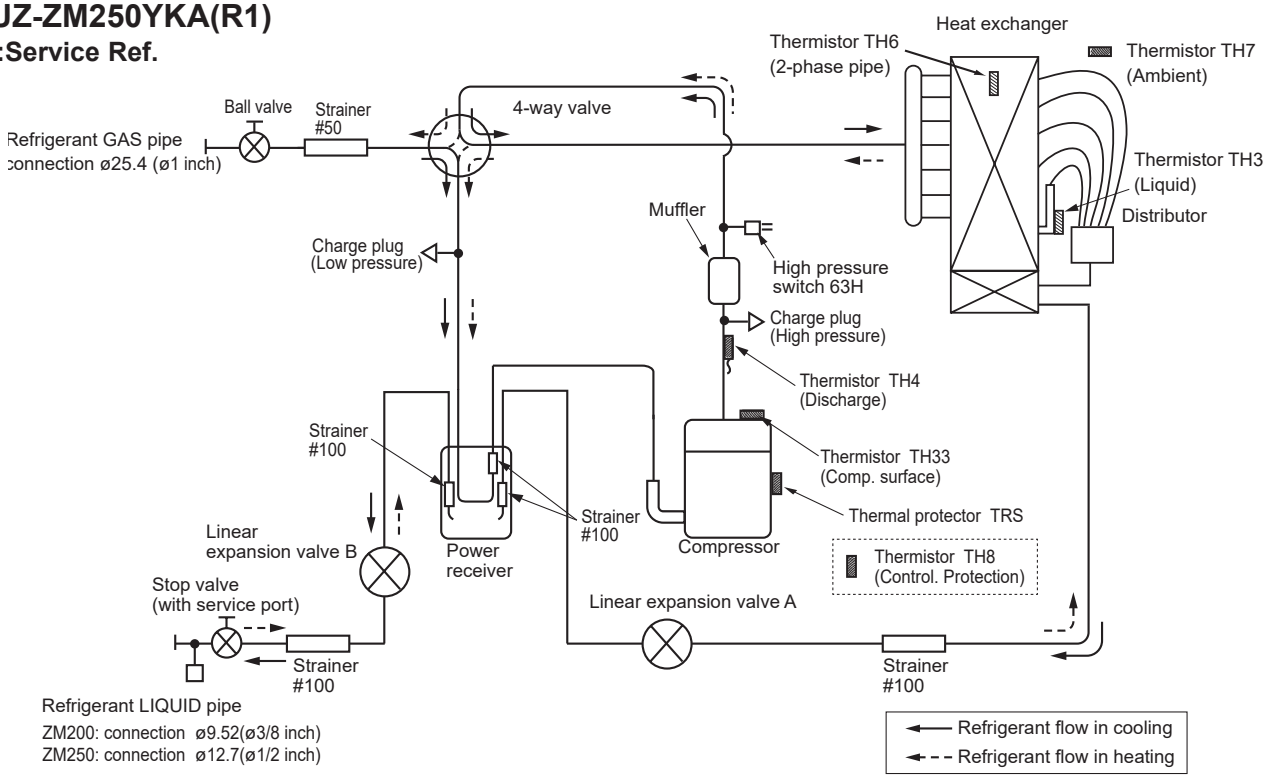
( ):Service Ref.

Unit: mm



PUZ-ZM200YKA(R1)
PUZ-ZM250YKA(R1)

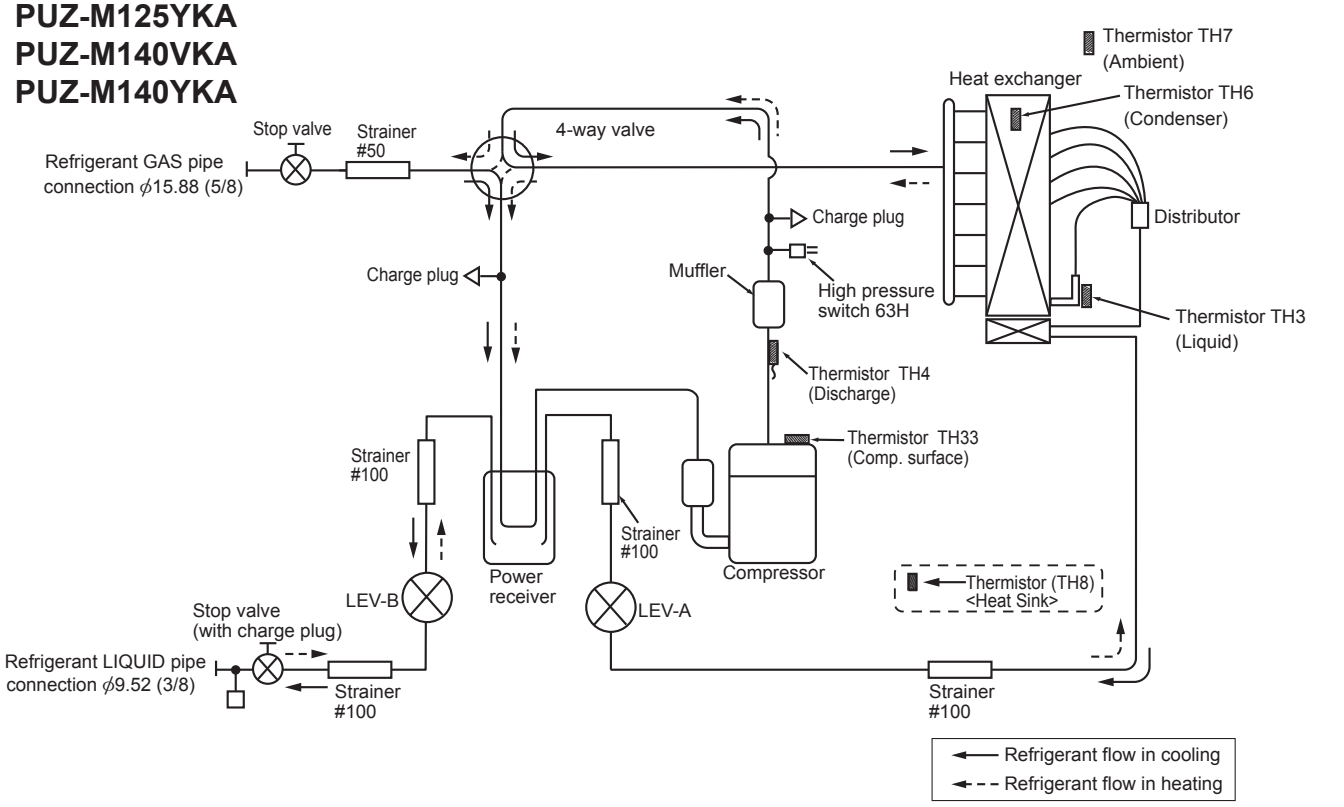
( ):Service Ref.



2. PUZ-M•KA

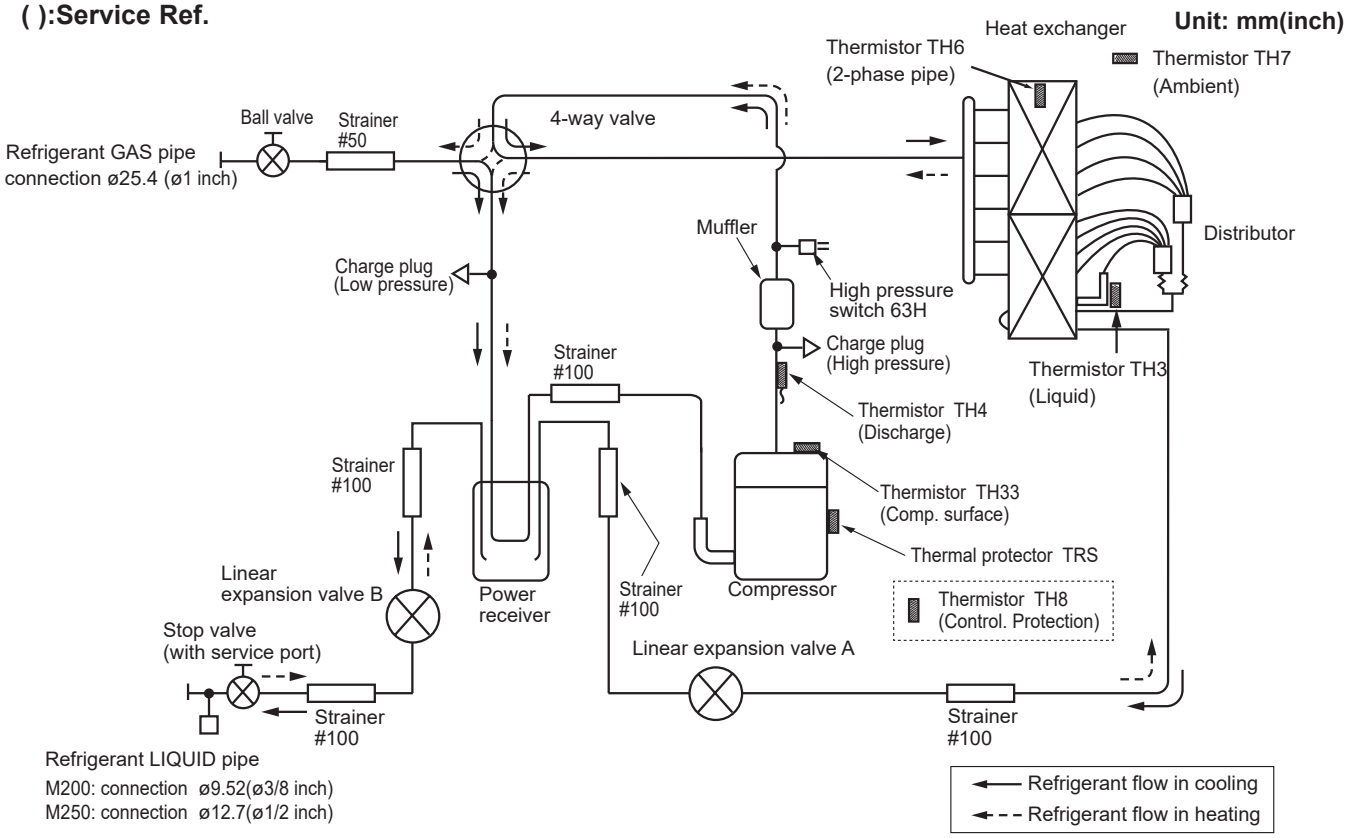
PUZ-M100VKA
PUZ-M100YKA
PUZ-M125VKA
PUZ-M125YKA
PUZ-M140VKA
PUZ-M140YKA

Unit: mm(inch)



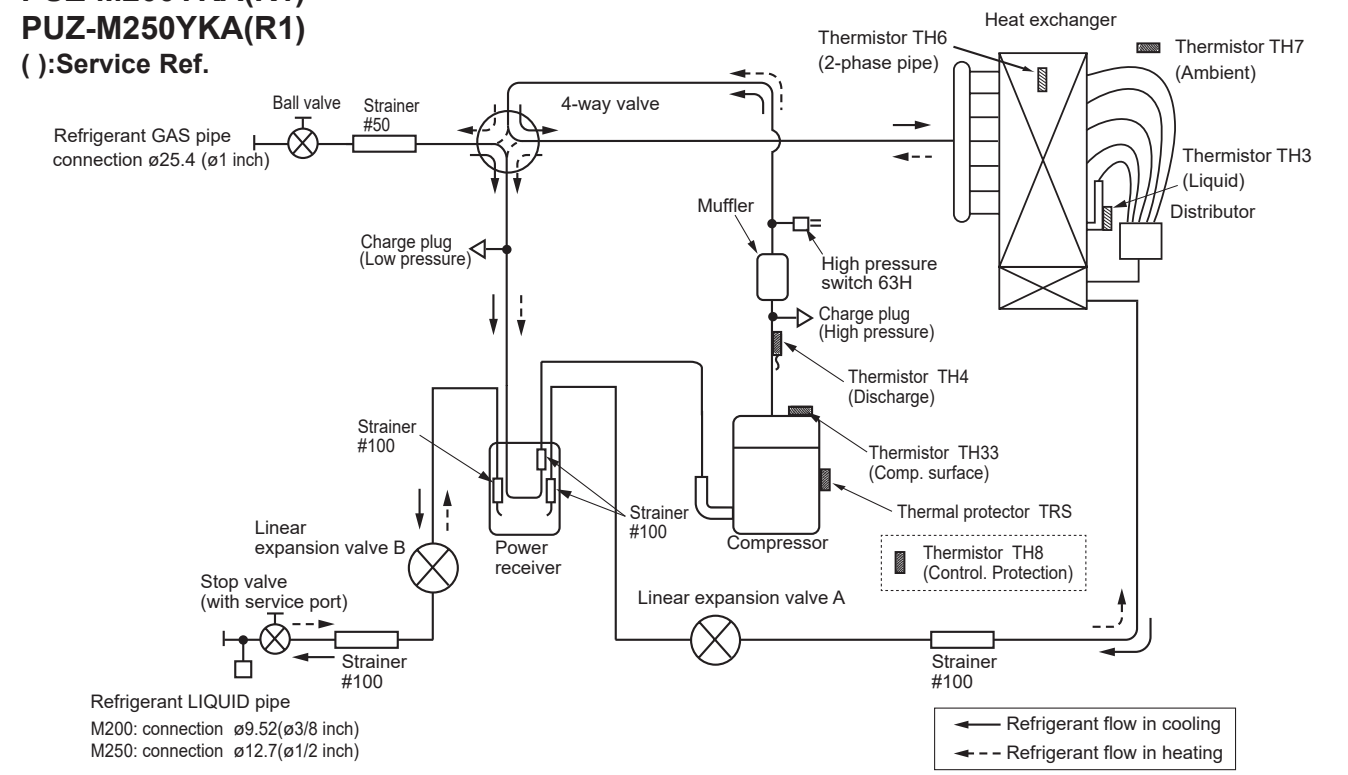
PUZ-M200YKA(.UK)
PUZ-M250YKA(.UK)
( ):Service Ref.

Unit: mm(inch)



Unit: mm(inch)

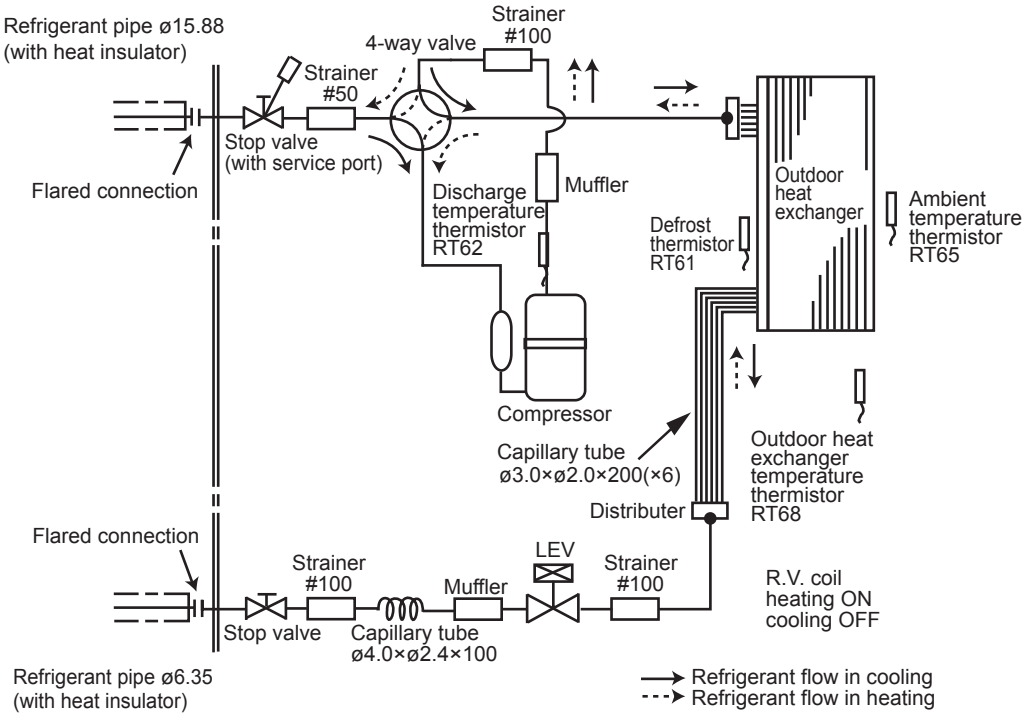
PUZ-M200YKA(R1)
PUZ-M250YKA(R1)
( ):Service Ref.



Unit : mm

3. SUZ-M•VA

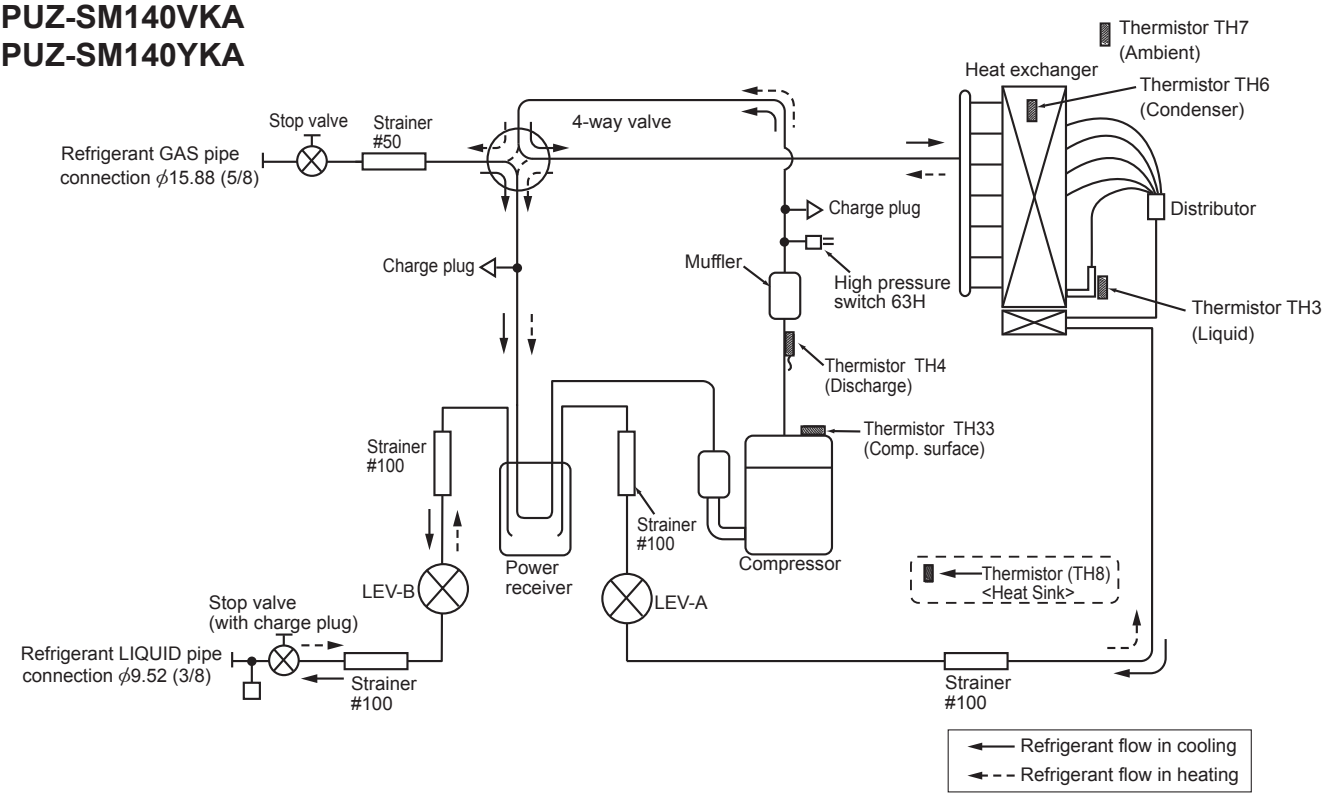
SUZ-M71VA



Unit : mm(inch)

4. PUZ-SM•KA

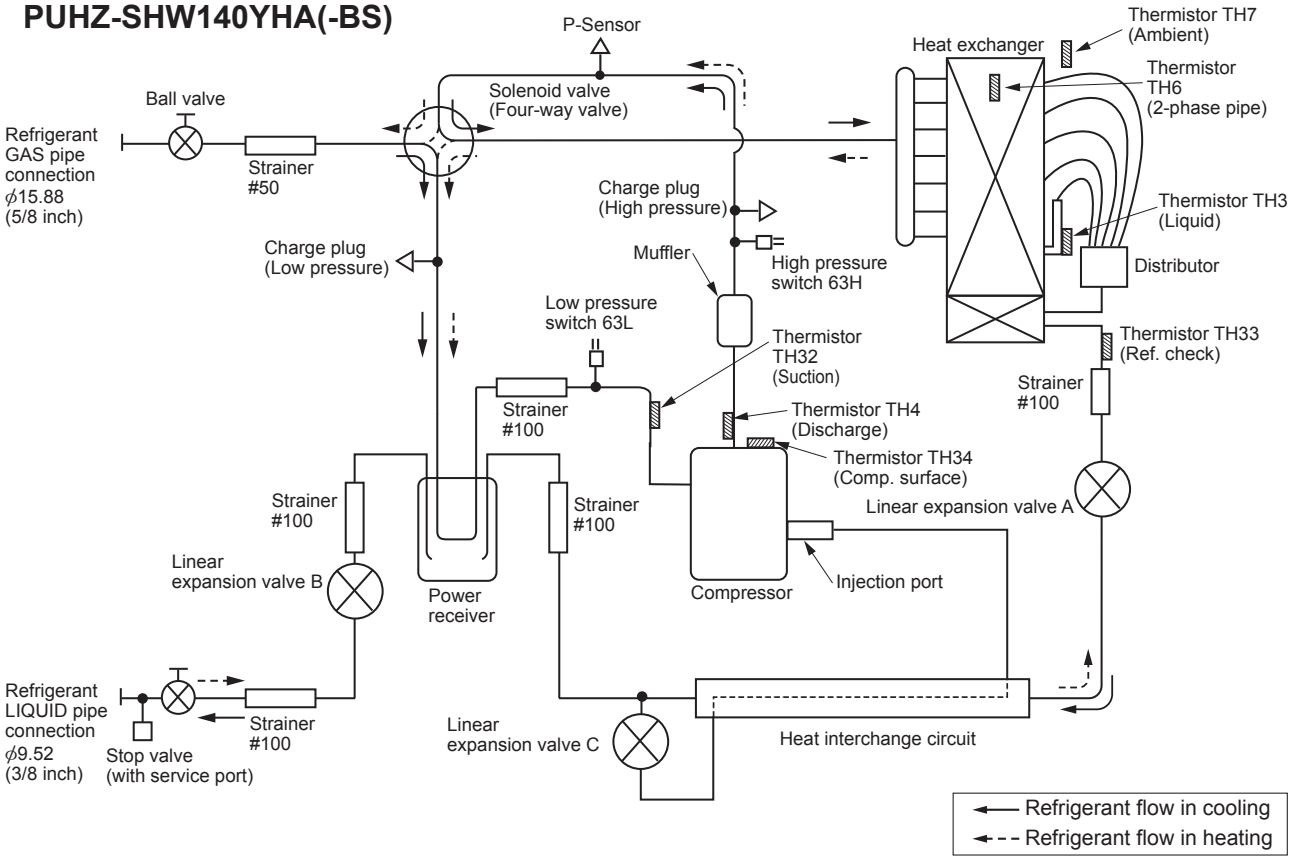
PUZ-SM100VKA
PUZ-SM100YKA
PUZ-SM125VKA
PUZ-SM125YKA
PUZ-SM140VKA
PUZ-SM140YKA



A.8.3.2 R410A type
1. PUHZ-SHW•HA PUHZ-SHW•KA

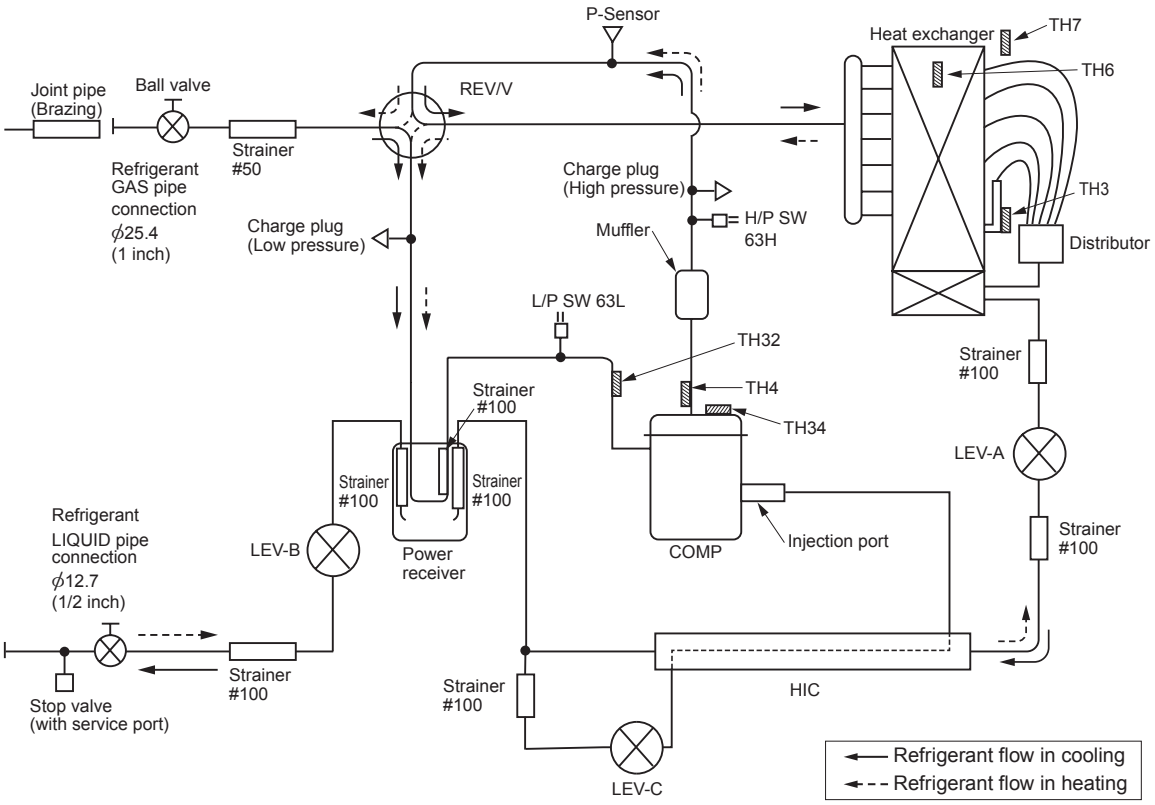
PUHZ-SHW112VHA(-BS)
PUHZ-SHW112YHA(-BS)
PUHZ-SHW140YHA(-BS)

Unit : mm (inch)



PUHZ-SHW230YKA2

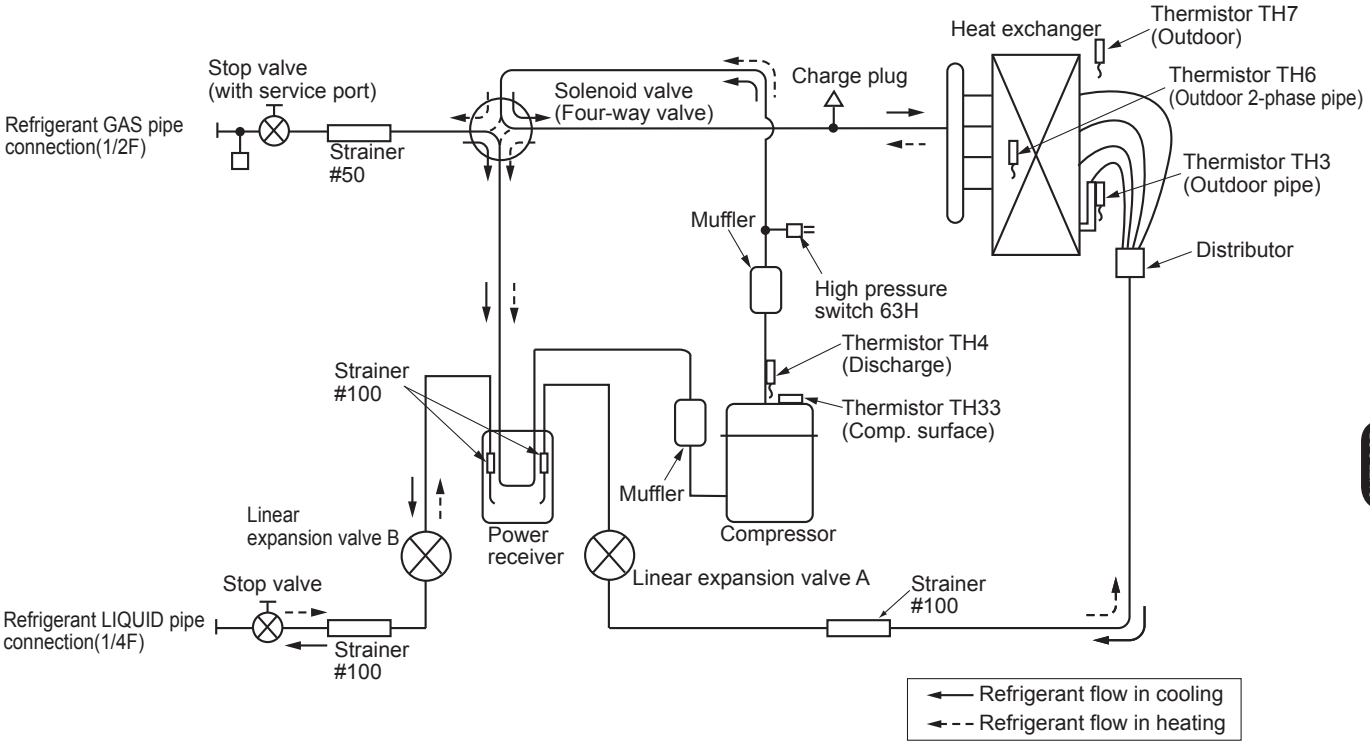
Unit : mm (inch)



2. PUHZ-ZRP•HA2,KA2(3)

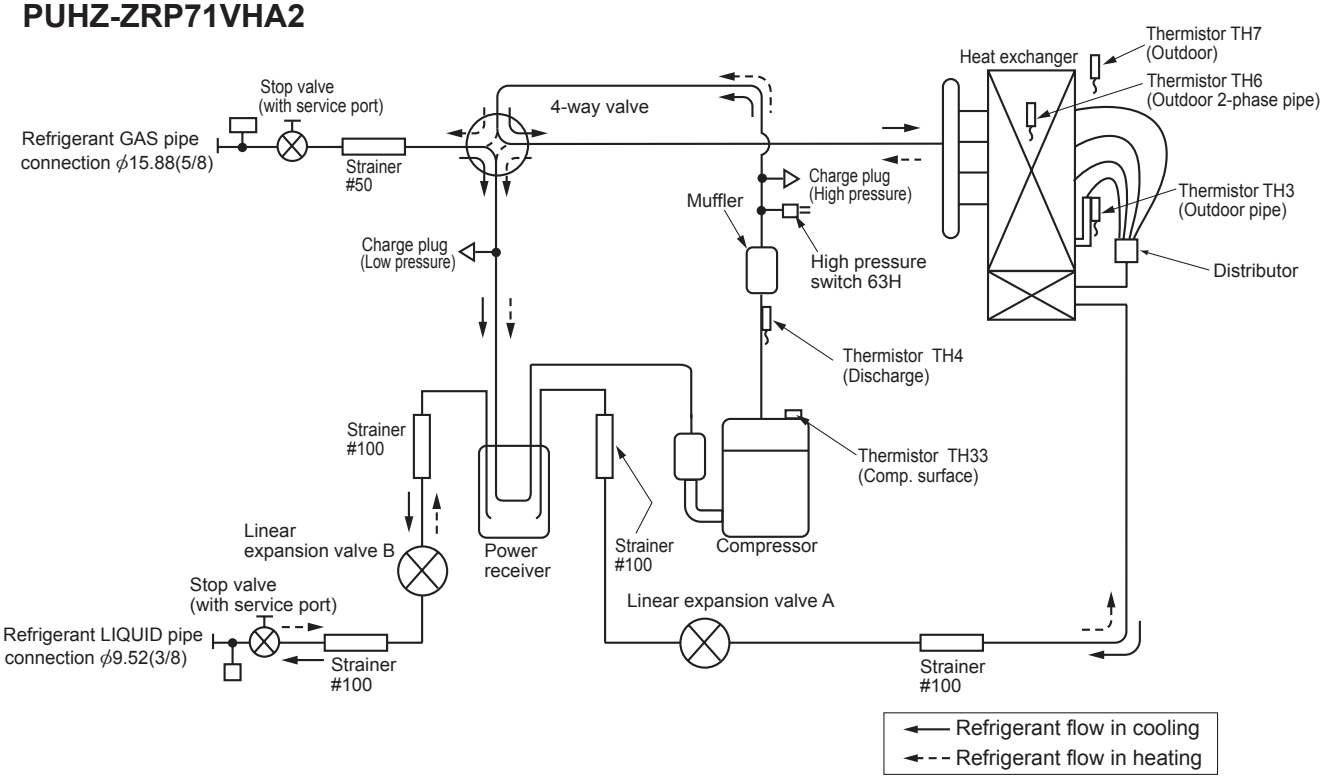
PUHZ-ZRP35VKA2
PUHZ-ZRP50VKA2

Unit : mm (inch)



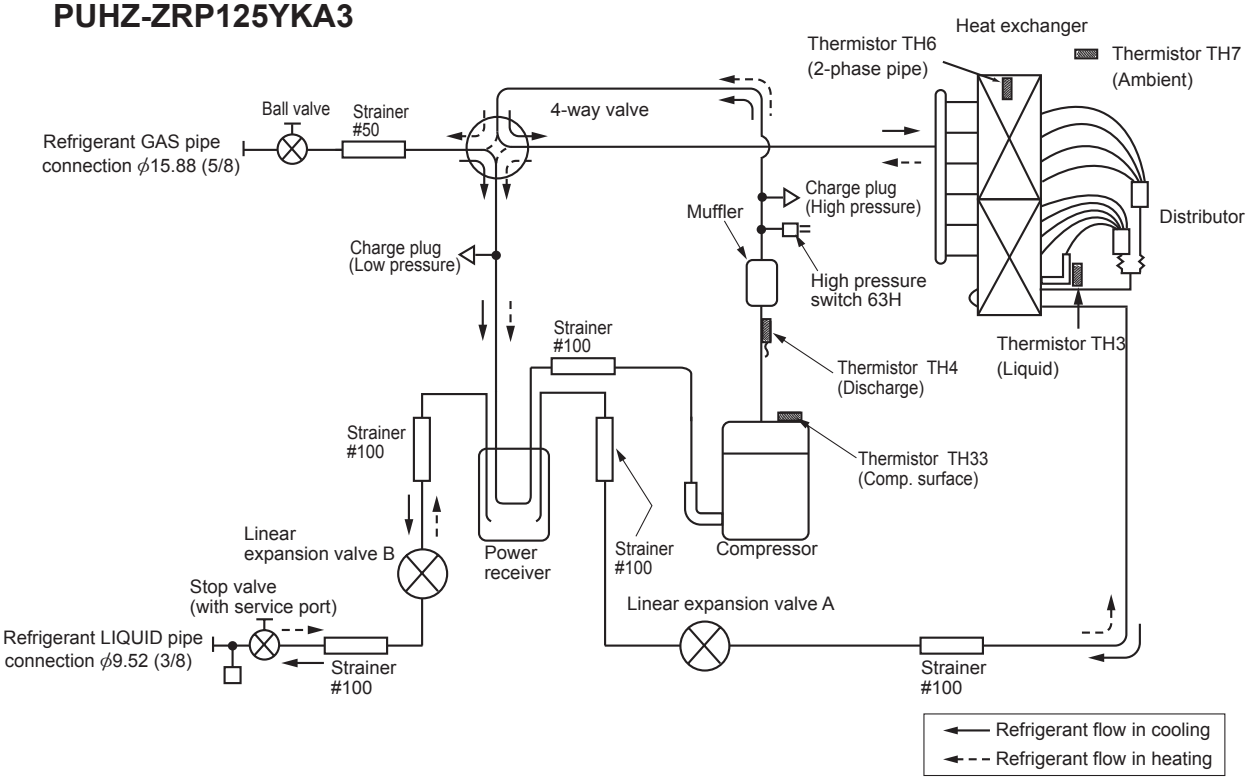
PUHZ-ZRP60VHA2
PUHZ-ZRP71VHA2

Unit : mm (inch)



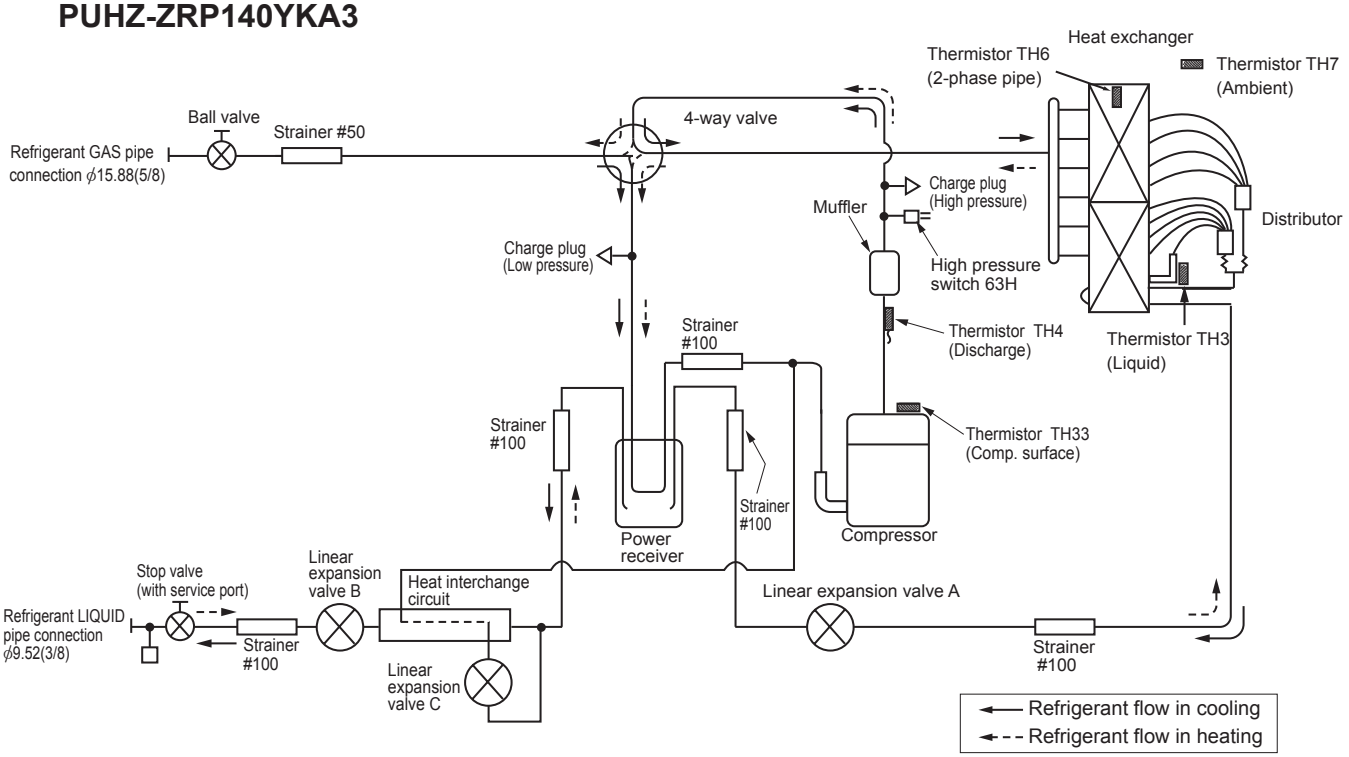
PUHZ-ZRP100VKA3
PUHZ-ZRP100YKA3
PUHZ-ZRP125VKA3
PUHZ-ZRP125YKA3

Unit : mm(inch)



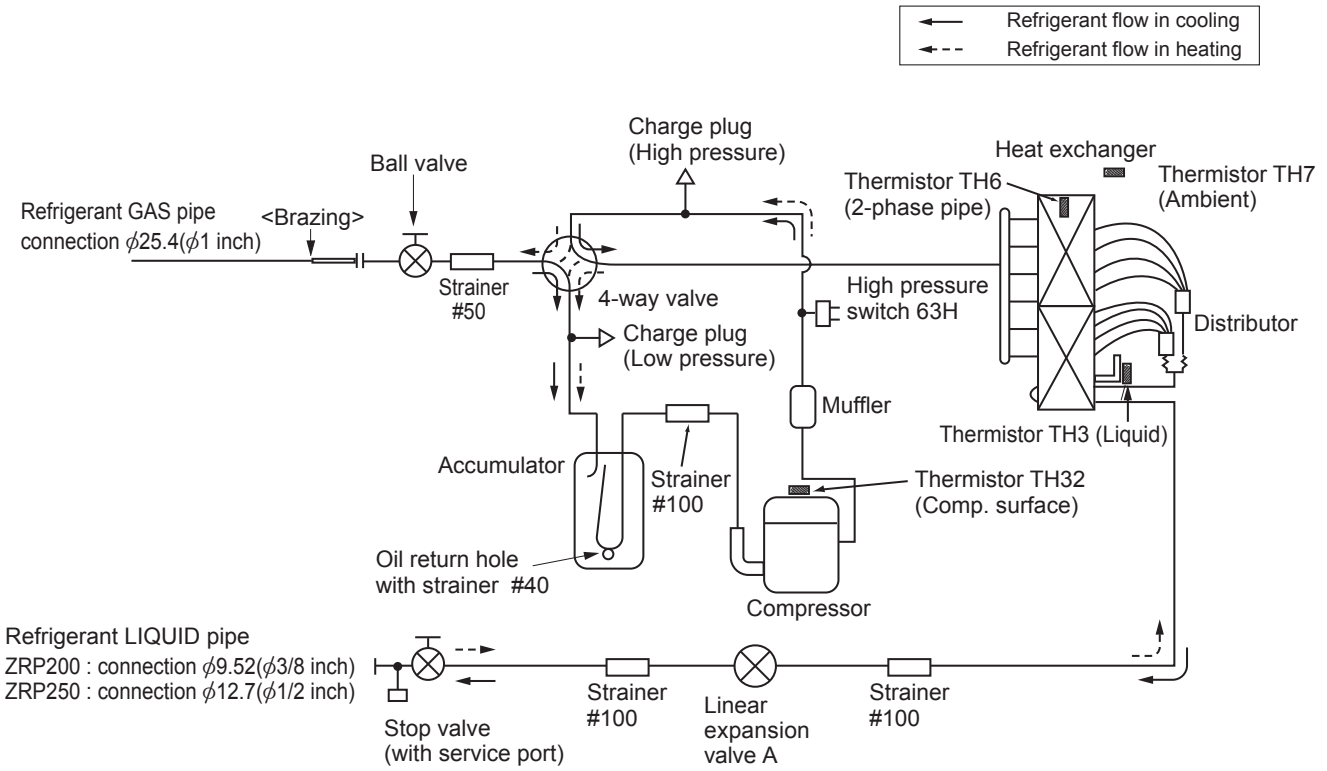
PUHZ-ZRP140VKA3
PUHZ-ZRP140YKA3

Unit : mm(inch)



PUHZ-ZRP200YKA3
PUHZ-ZRP250YKA3

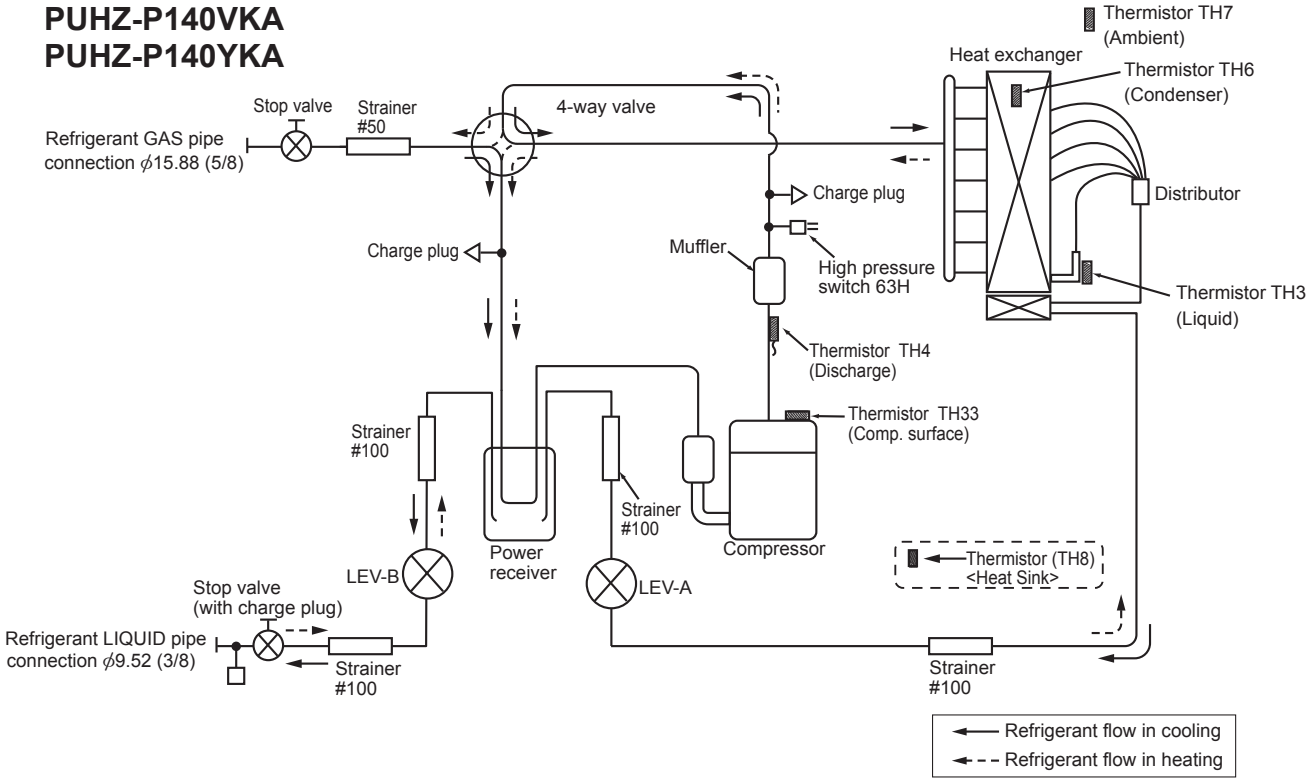
Unit : mm(inch)



3. PUHZ-P•KA

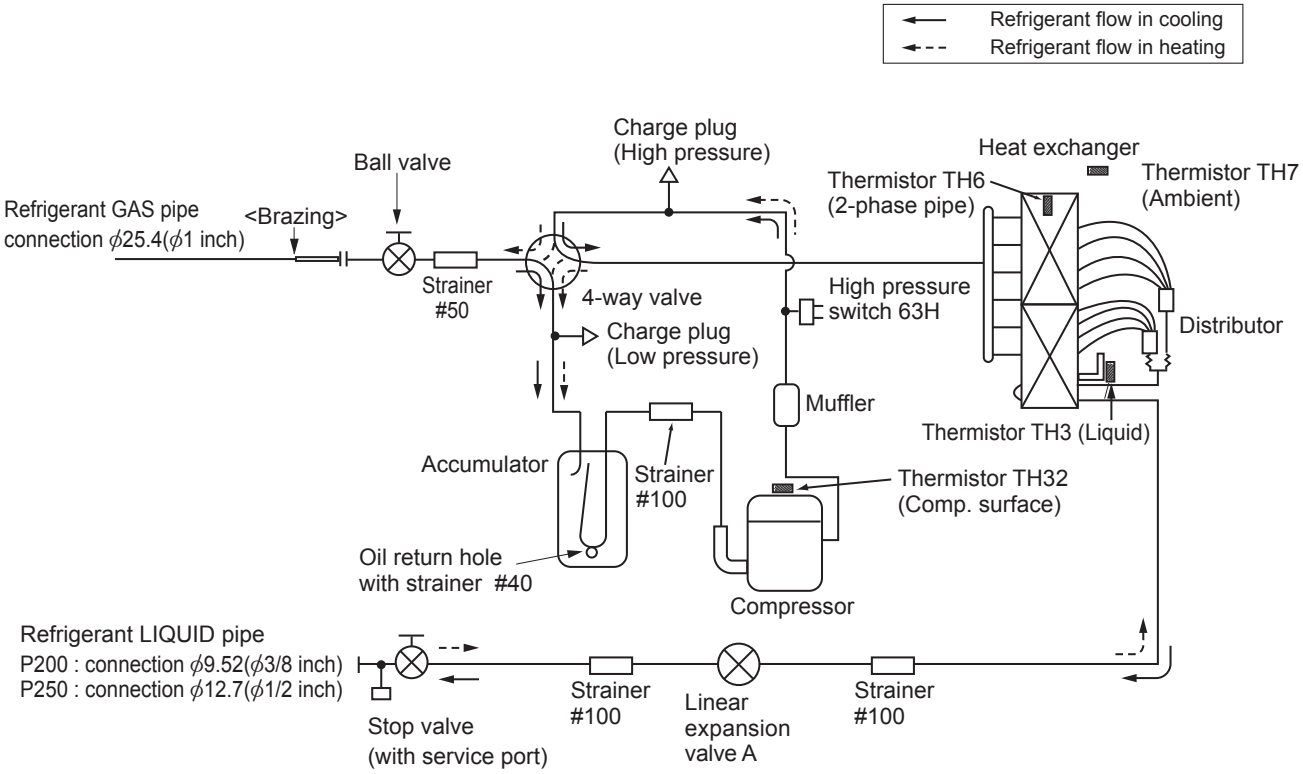
PUHZ-P100VKA
PUHZ-P100YKA
PUHZ-P125VKA
PUHZ-P125YKA
PUHZ-P140VKA
PUHZ-P140YKA

Unit : mm (inch)



PUHZ-P200YKA3
PUHZ-P250YKA3

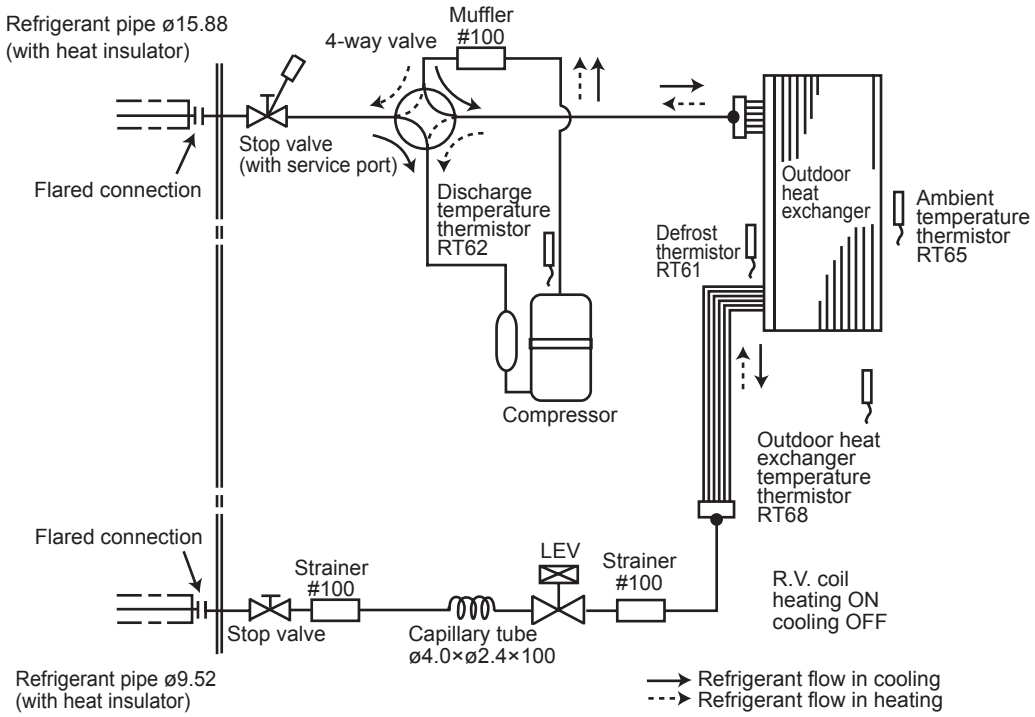
Unit : mm(inch)



4. SUZ-SA•VA

Unit : mm(inch)

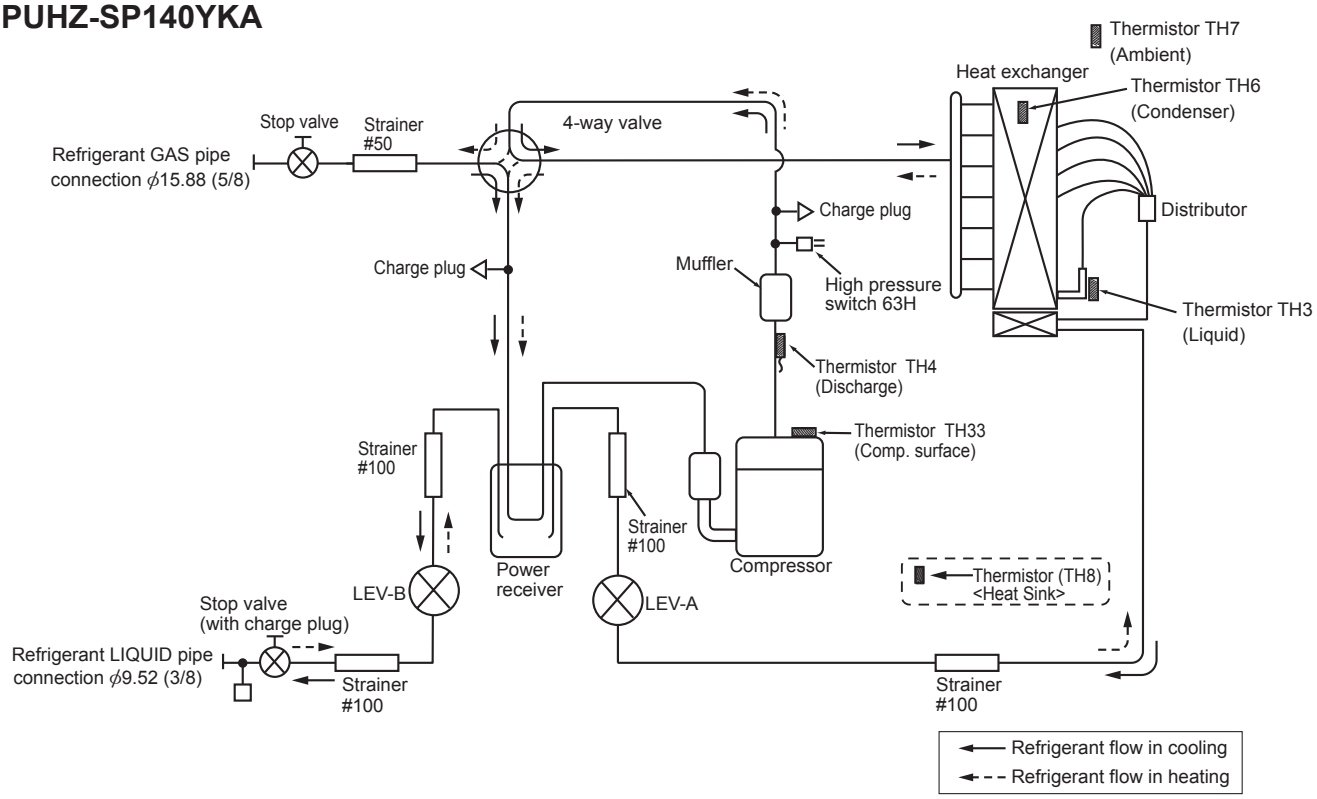
SUZ-SA71VHA3
SUZ-SA100VA2



5. PUHZ-SP•KA

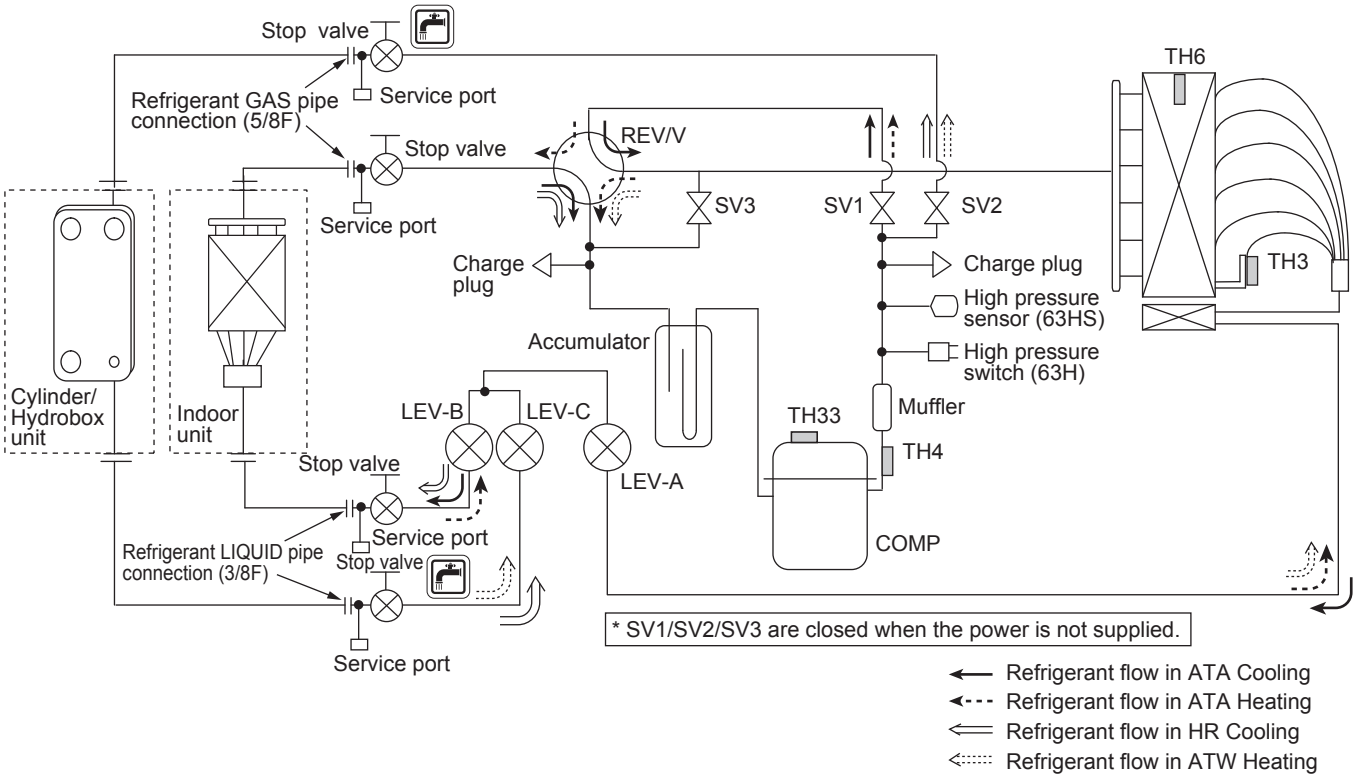
Unit : mm(inch)

PUHZ-SP100YKA
PUHZ-SP125VKA
PUHZ-SP125YKA
PUHZ-SP140VKA
PUHZ-SP140YKA



6. PUHZ-FRP71VHA2

Unit : mm (inch)



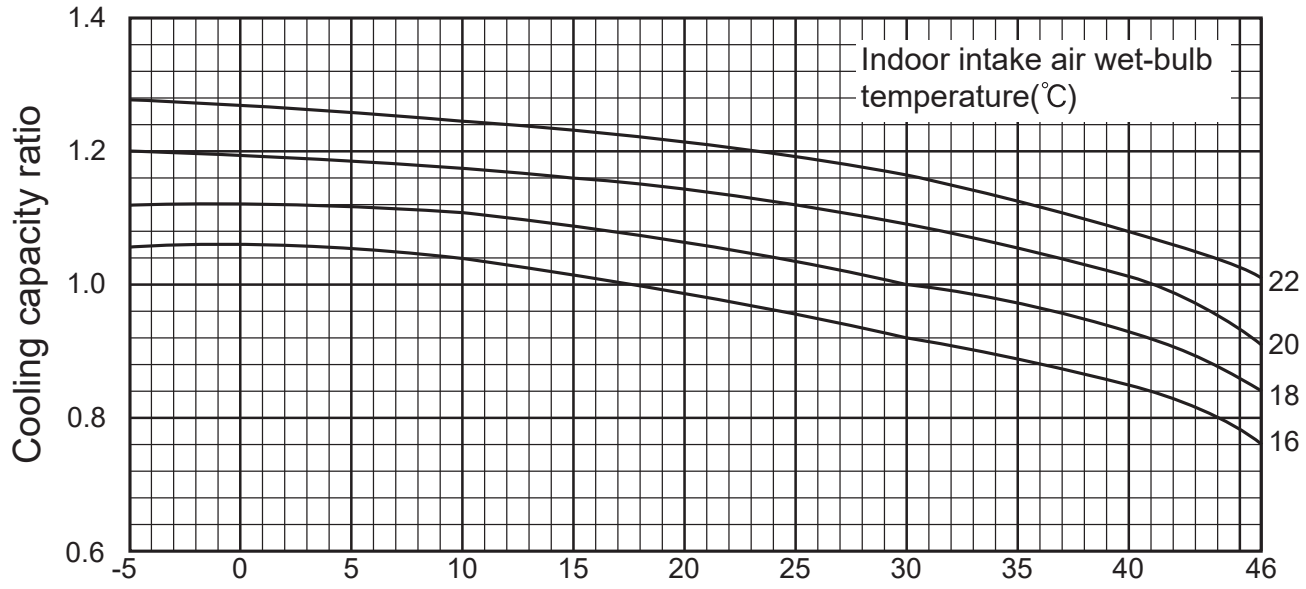
A.8.4 PERFORMANCE CURVES

A.8.4.1 R32 type [Without the optional Air protect guide]

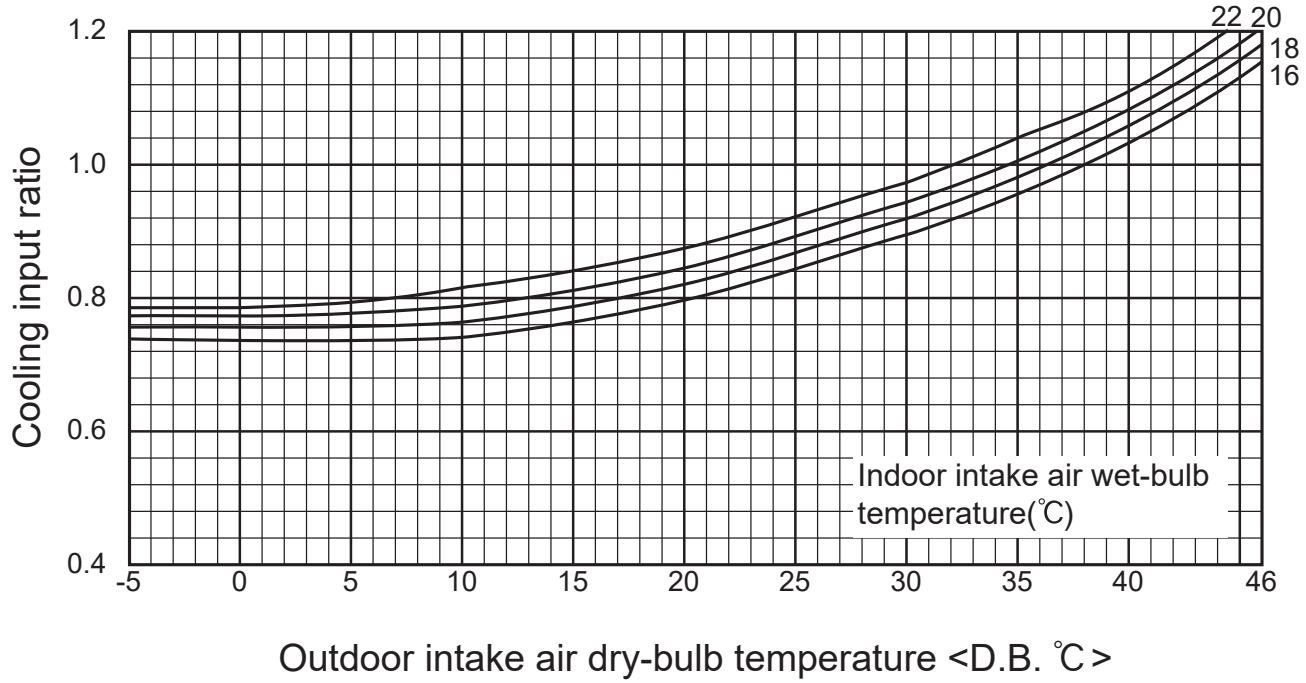
1. INVERTER MODELS Heat pump type [Without the optional Air protect guide]

PUZ-ZM35VKA
PUZ-ZM50VKA
PUZ-ZM60VHA
PUZ-ZM71VHA
PUZ-ZM100VKA
PUZ-ZM125VKA
PUZ-ZM140VKA
PUZ-ZM100YKA
PUZ-ZM125YKA
PUZ-ZM140YKA

Cooling capacity



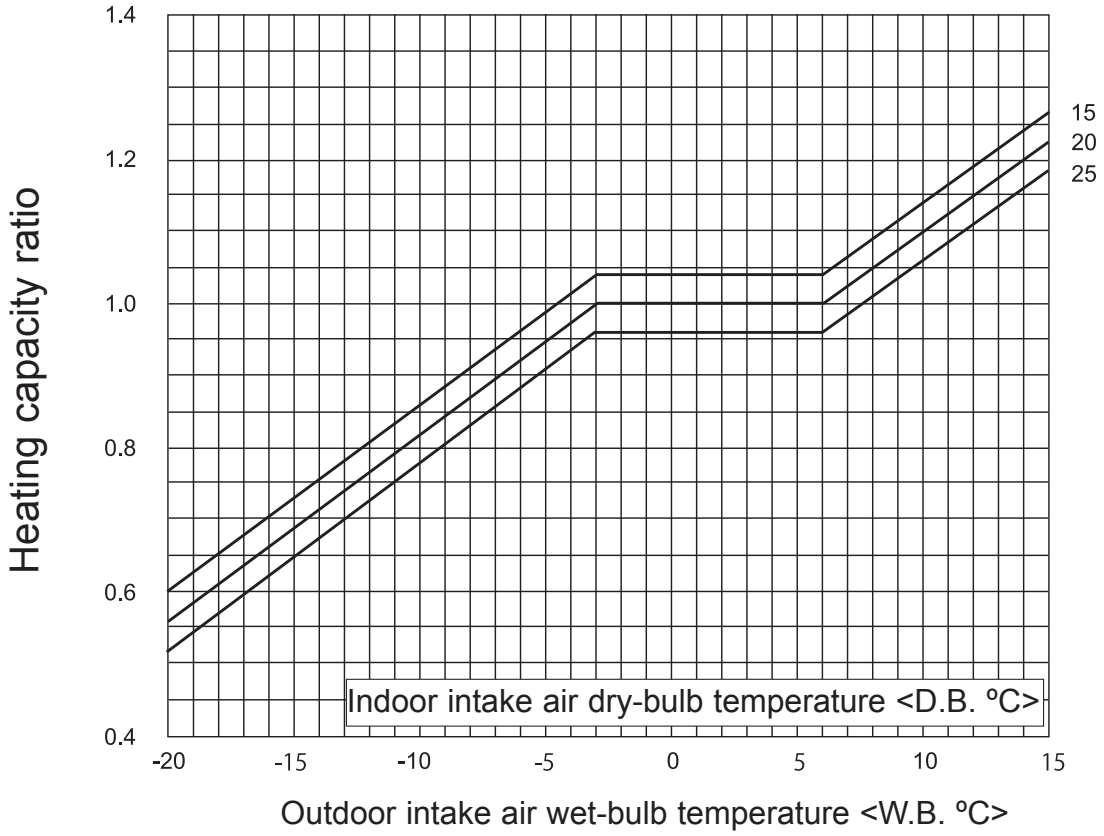
Cooling input



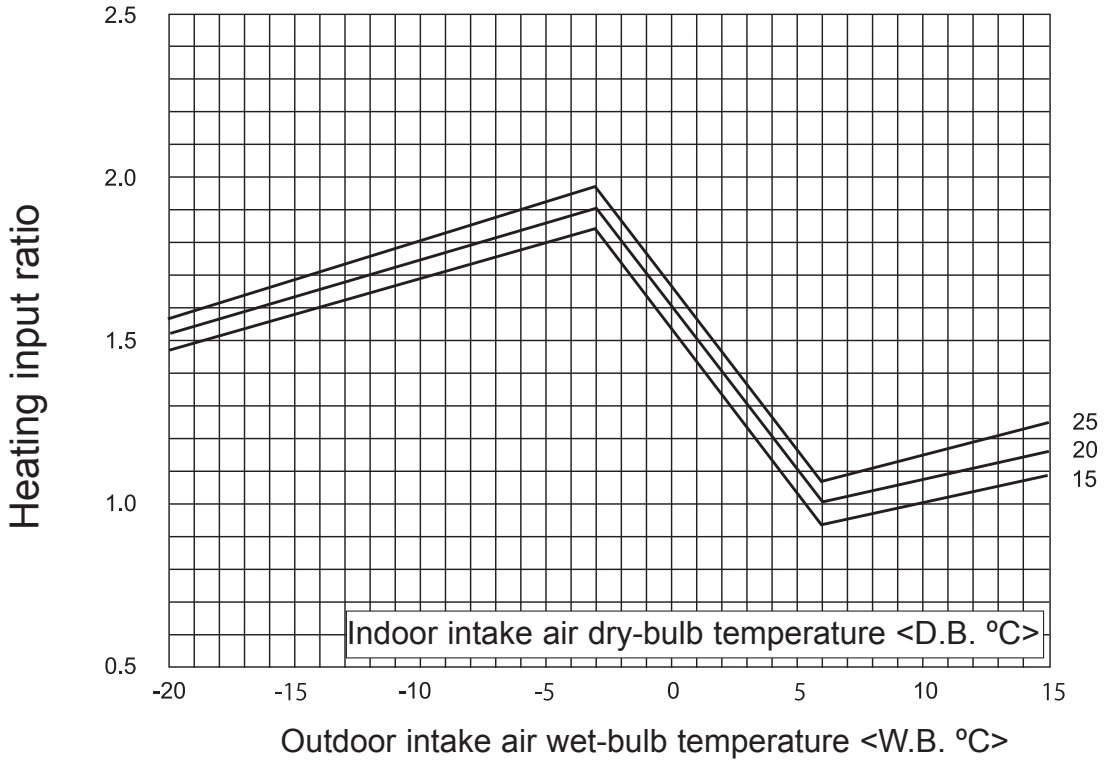
Note : This diagrams show the case where the operation frequency of a compressor is fixed.

PUZ-ZM35VKA
PUZ-ZM50VKA
PUZ-ZM60VHA
PUZ-ZM71VHA
PUZ-ZM100VKA
PUZ-ZM125VKA
PUZ-ZM140VKA
PUZ-ZM100YKA
PUZ-ZM125YKA
PUZ-ZM140YKA

Heating capacity



Heating input



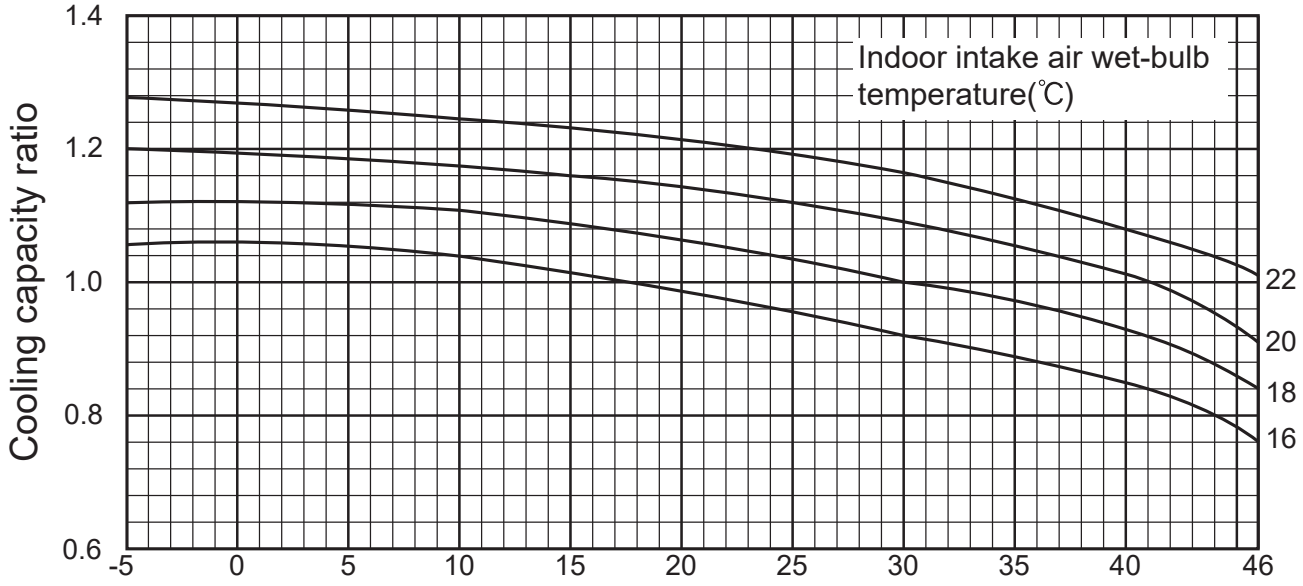
PUZ-ZM200YKA
PUZ-ZM250YKA

PUZ-M100VKA
PUZ-M125VKA
PUZ-M140VKA

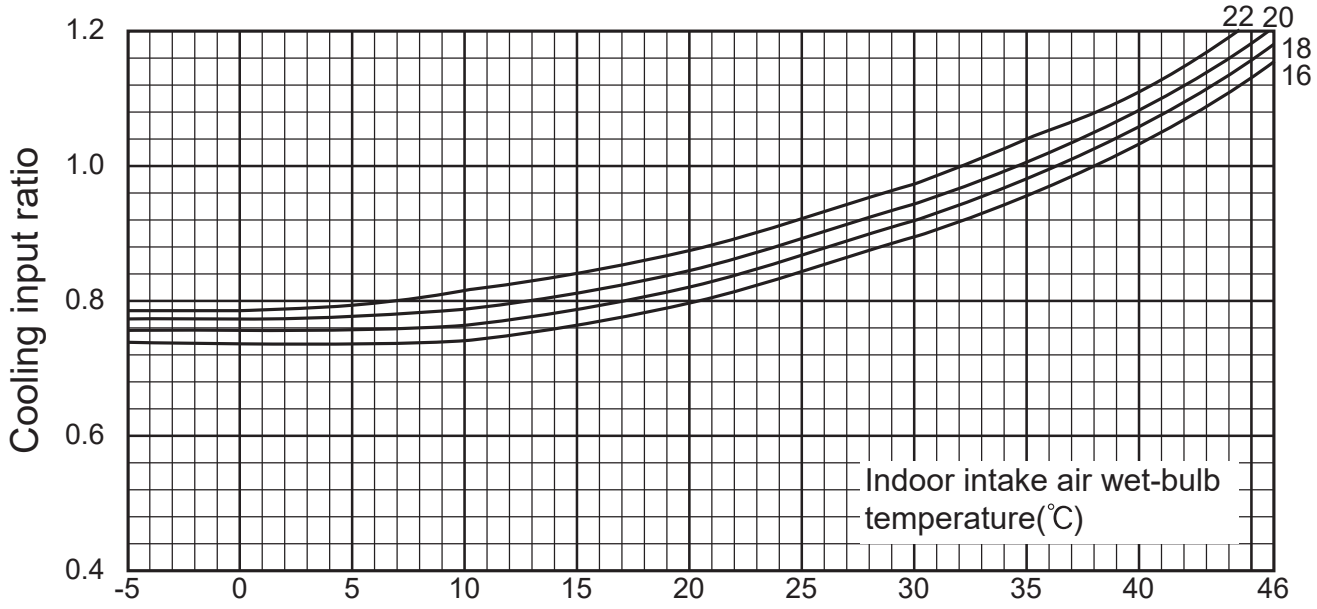
PUZ-M100YKA
PUZ-M125YKA
PUZ-M140YKA
PUZ-M200YKA
PUZ-M250YKA

PUZ-SM100VKA
PUZ-SM125VKA
PUZ-SM140VKA
PUZ-SM100YKA
PUZ-SM125YKA
PUZ-SM140YKA

Cooling capacity



Cooling input



Note : This diagrams show the case where the operation frequency of a compressor is fixed.

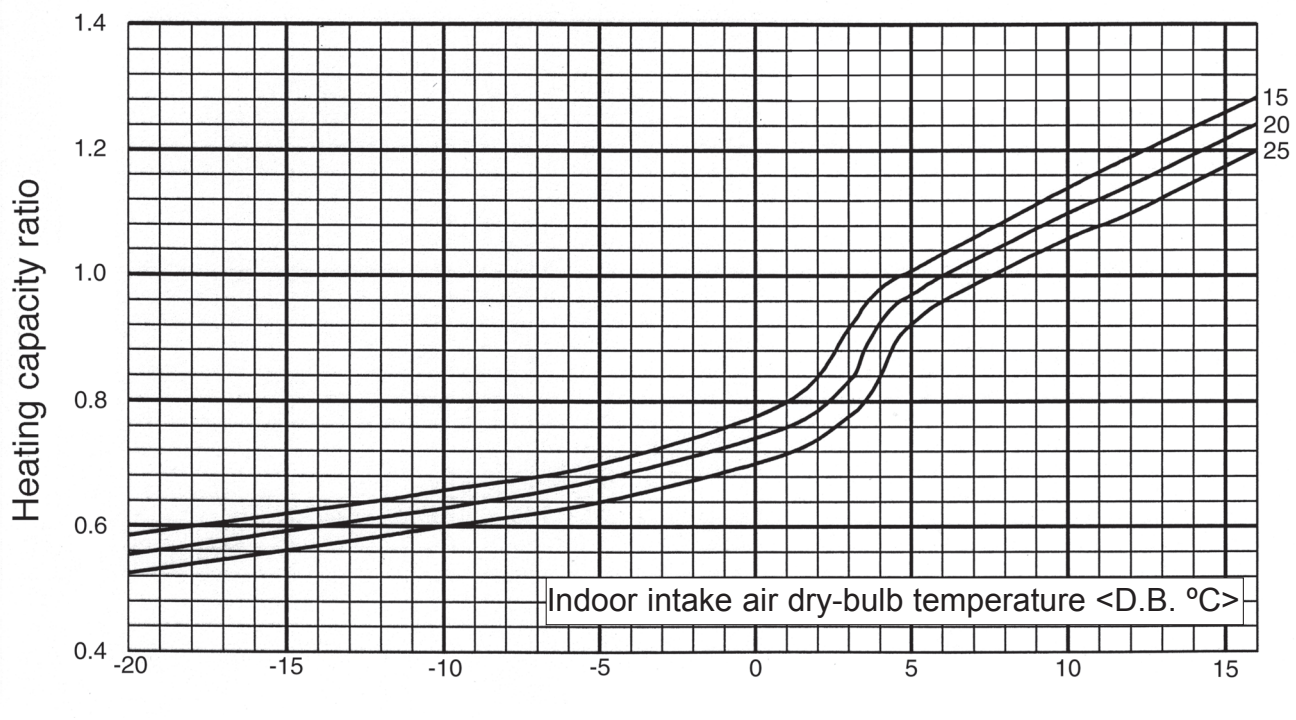
PUZ-ZM200YKA
PUZ-ZM250YKA

PUZ-M100VKA
PUZ-M125VKA
PUZ-M140VKA

PUZ-M100YKA
PUZ-M125YKA
PUZ-M140YKA
PUZ-M200YKA
PUZ-M250YKA

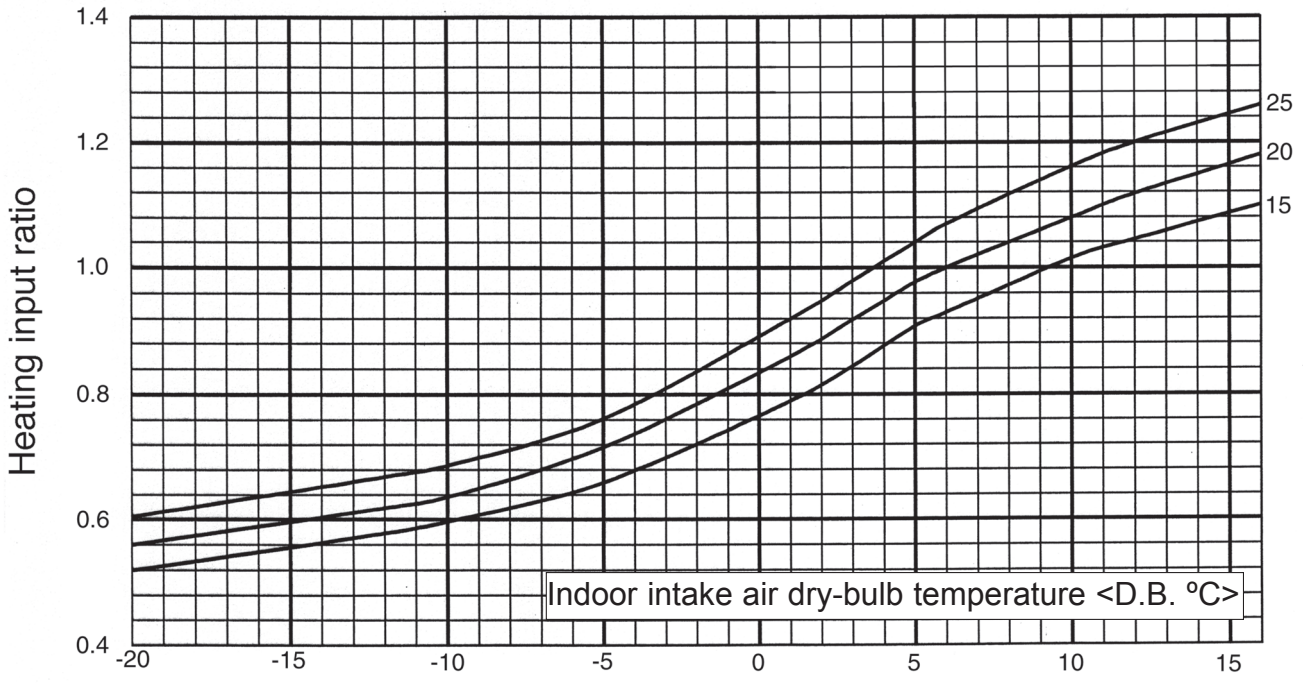
PUZ-SM100VKA
PUZ-SM125VKA
PUZ-SM140VKA
PUZ-SM100YKA
PUZ-SM125YKA
PUZ-SM140YKA

Heating capacity



Outdoor intake air wet-bulb temperature <W.B. ºC>

Heating input

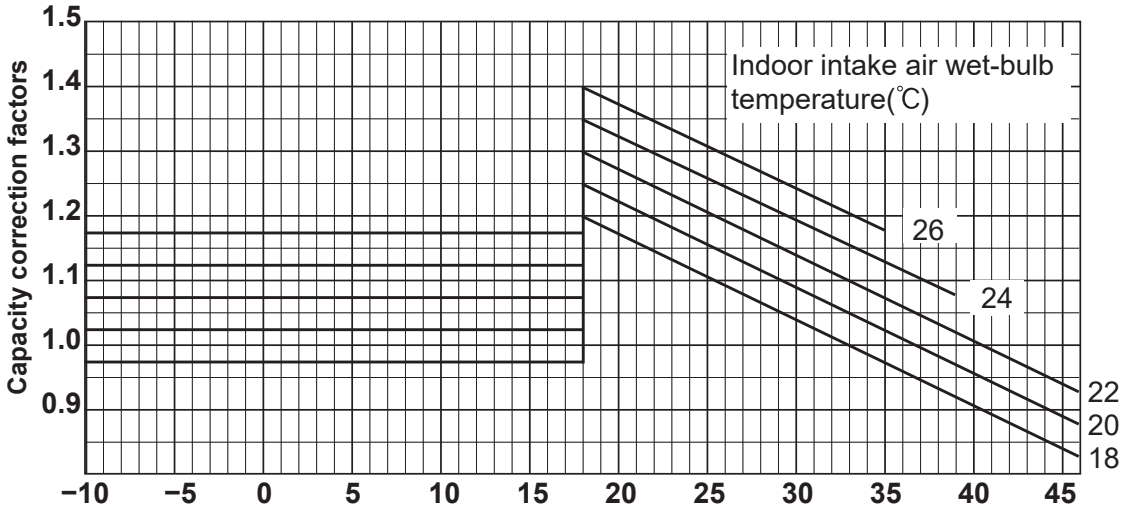


Outdoor intake air wet-bulb temperature <W.B. ºC>

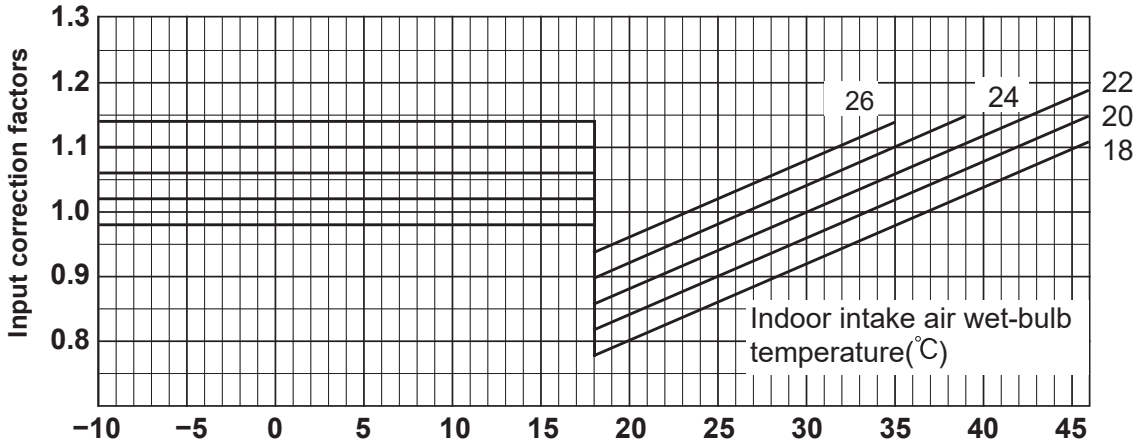
Note : This diagrams show the case where the operation frequency of a compressor is fixed.

FOR THE COMBINATION OF OUTDOOR UNIT SUZ-SM71VA
<COOLING>

Cooling capacity

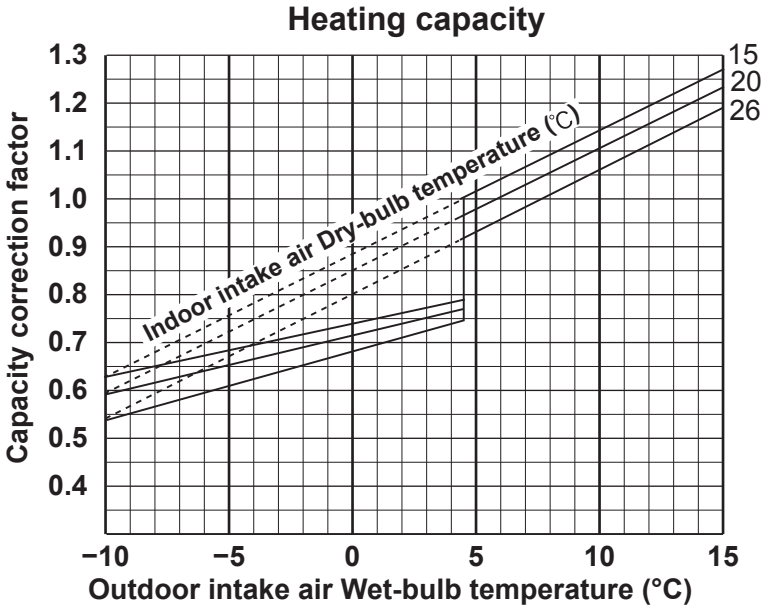


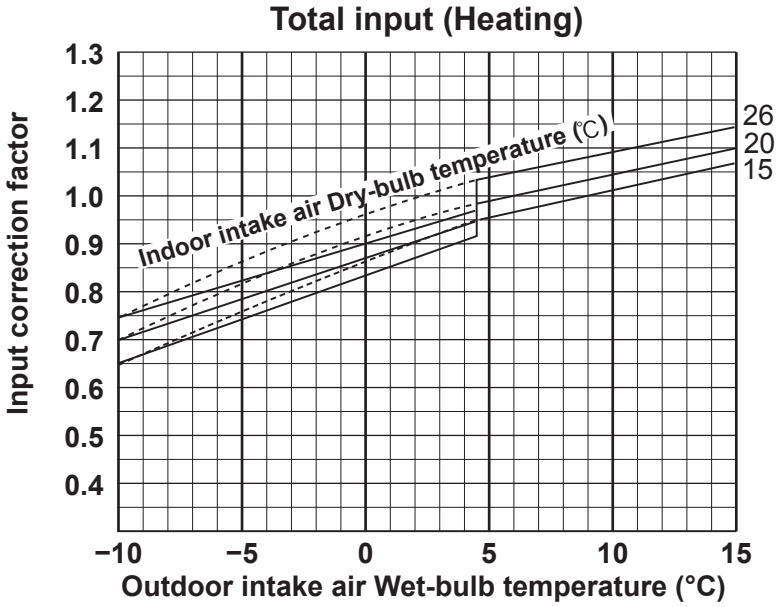
Total input (Cooling)



Lower limit of guaranteed operating range in cooling: −10°C

<HEATING>

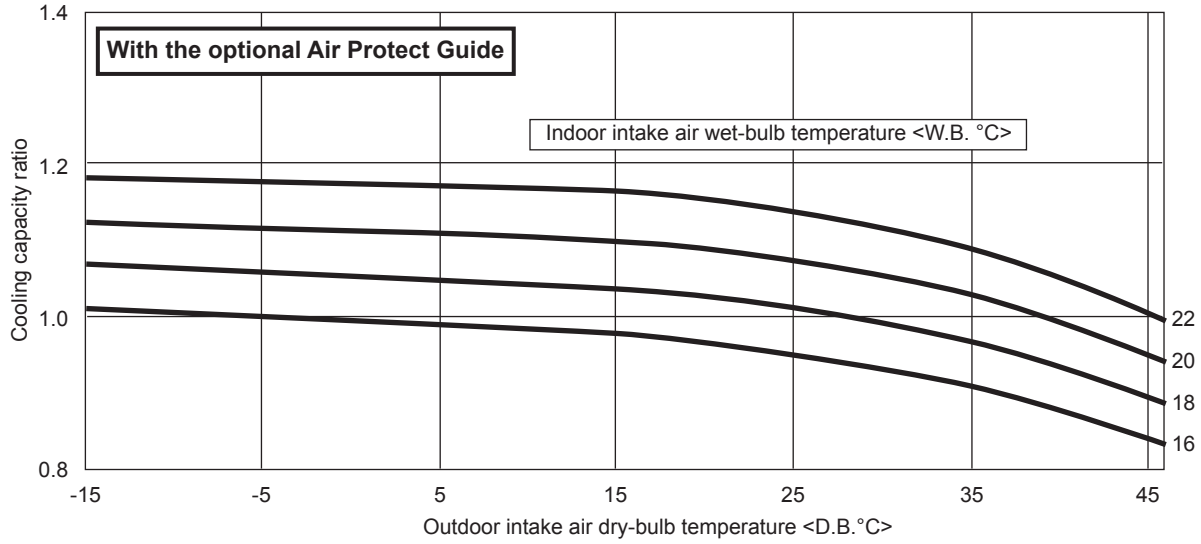

Heating capacity
Capacity correction factor
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
−10
−5
0
5
10
15
Outdoor intake air Wet-bulb temperature (°C)
Indoor intake air Dry-bulb temperature (°C)
15
20
26


Total input (Heating)
Input correction factor
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
−10
−5
0
5
10
15
Outdoor intake air Wet-bulb temperature (°C)
Indoor intake air Dry-bulb temperature (°C)
26
20
15

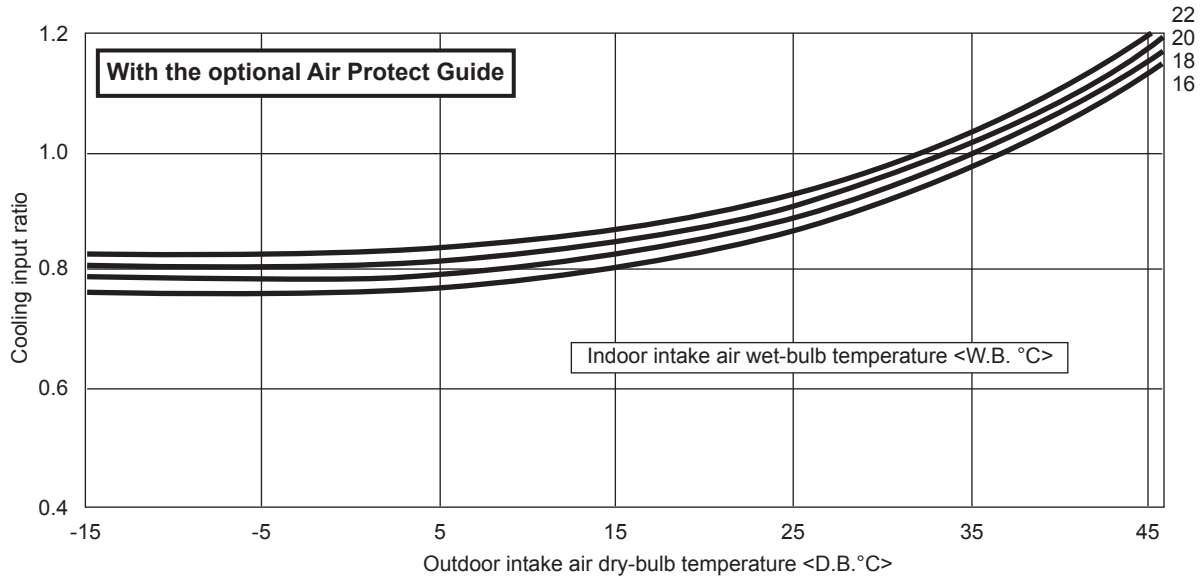
2. INSTALLING AN AIR PROTECT GUIDE

Installing an air protect guide allows the cooling operation in the extended outside air temperature range down to -15°C.

Cooling capacity



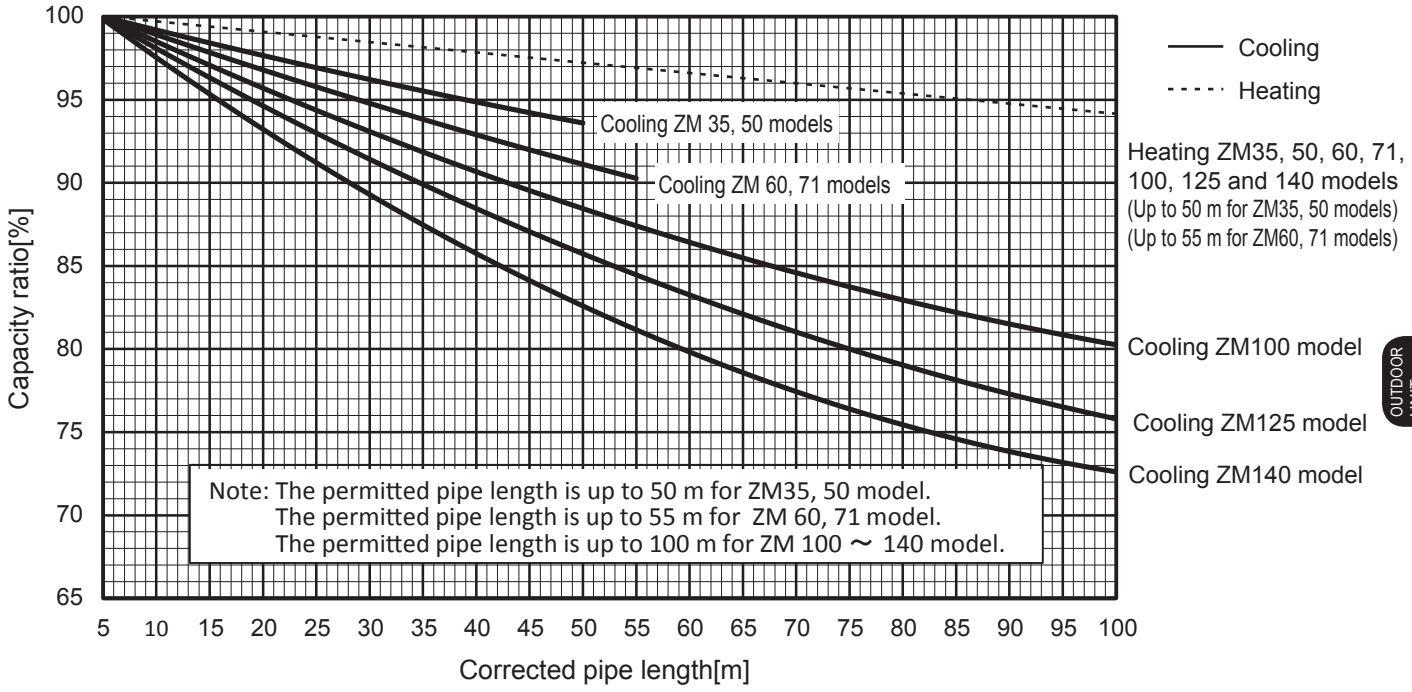
Cooling input



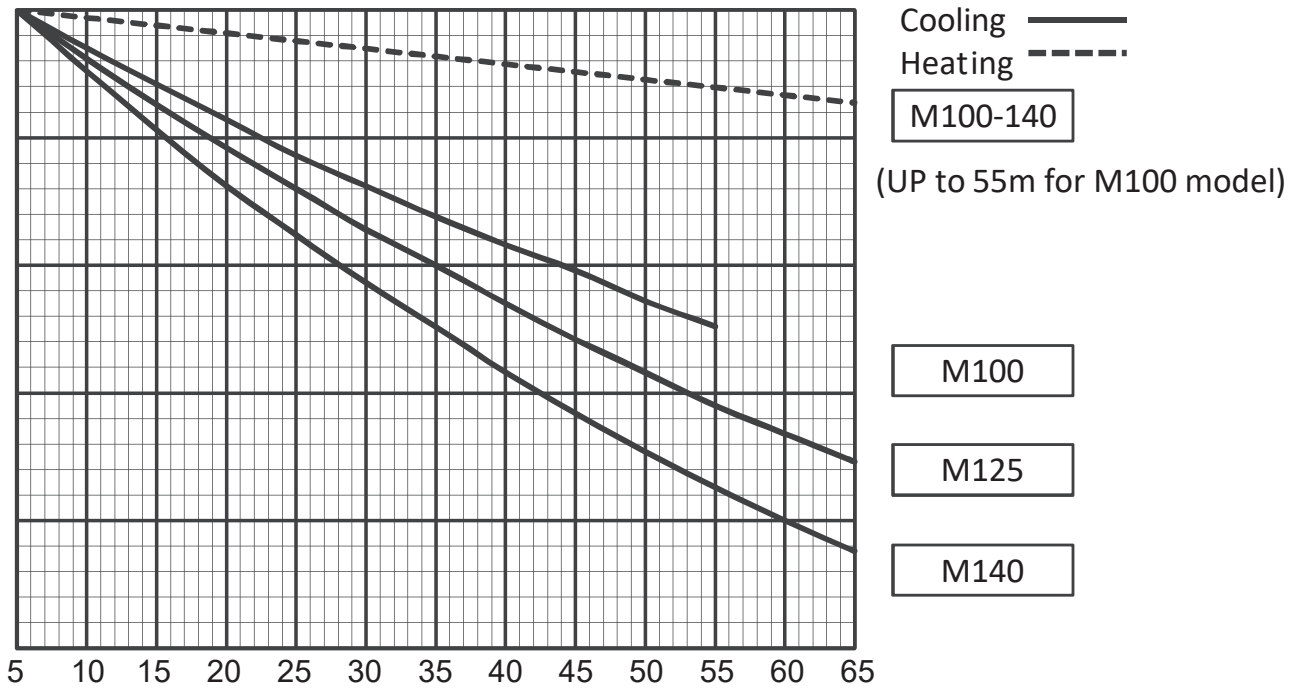
Applicable Models	Optional parts name	Optional parts No.	See page
PUZ-ZM35, 50	Air protect guide (for cooling at -15°C)	PAC-SJ06AG-E	E-262
PUZ-ZM60, 71		PAC-SH63AG-E	E-264
PUZ-ZM100, 125, 140 PUZ-M100, 125, 140 PUZ-SM100, 125, 140		PAC-SH95AG-E	E-267

3. CAPACITY CORRECTION RATIO CURVE PIPNG LENGTH

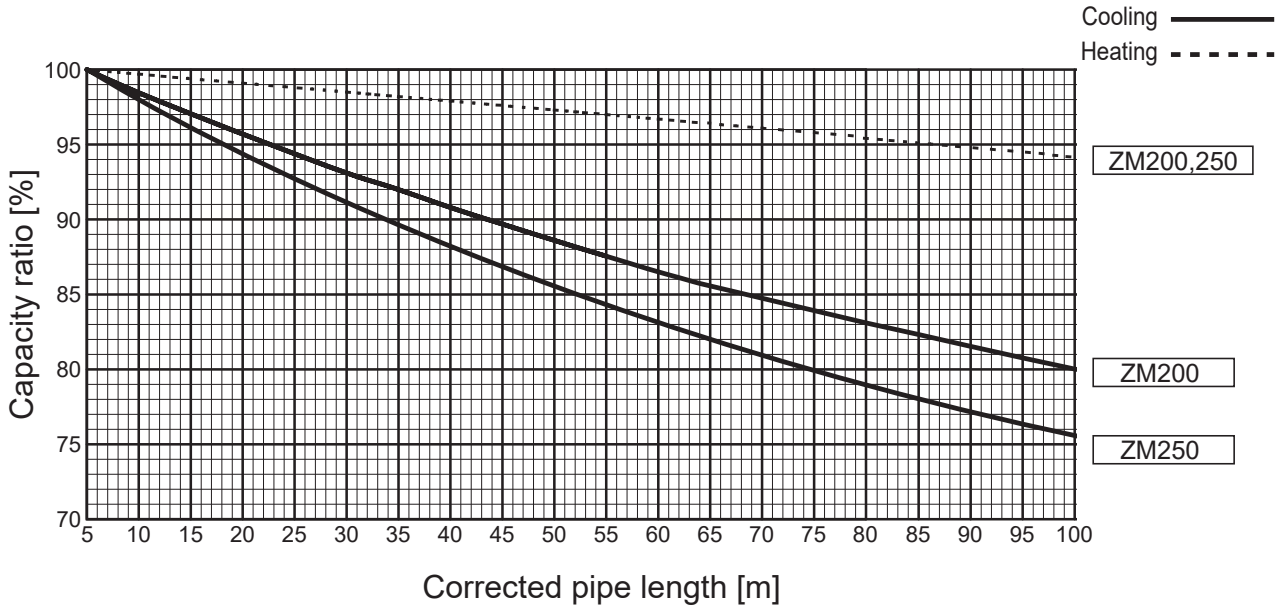
PUZ-ZM35VKA **PUZ-ZM100VKA** **PUZ-ZM140VKA**
PUZ-ZM50VKA **PUZ-ZM100YKA** **PUZ-ZM140YKA**
PUZ-ZM60VHA **PUZ-ZM125VKA**
PUZ-ZM71VHA **PUZ-ZM125YKA**



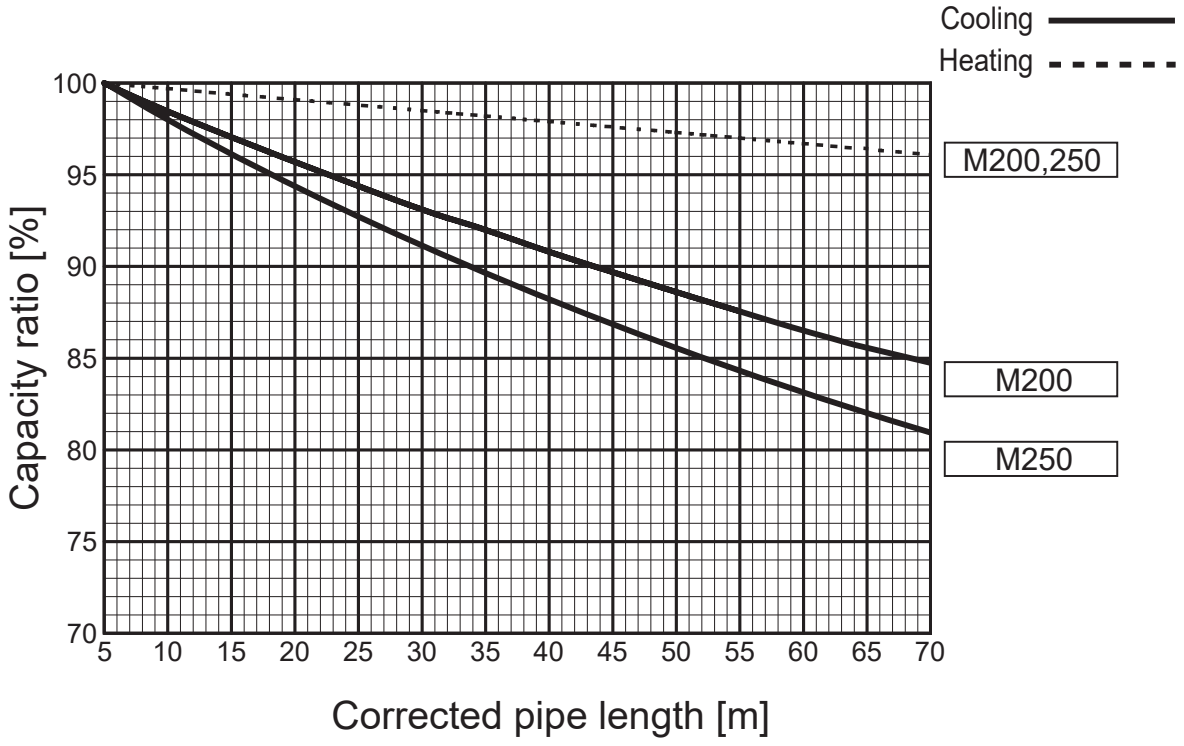
PUZ-M100VKA **PUZ-M140VKA**
PUZ-M100YKA **PUZ-M140YKA**
PUZ-M125VKA
PUZ-M125YKA



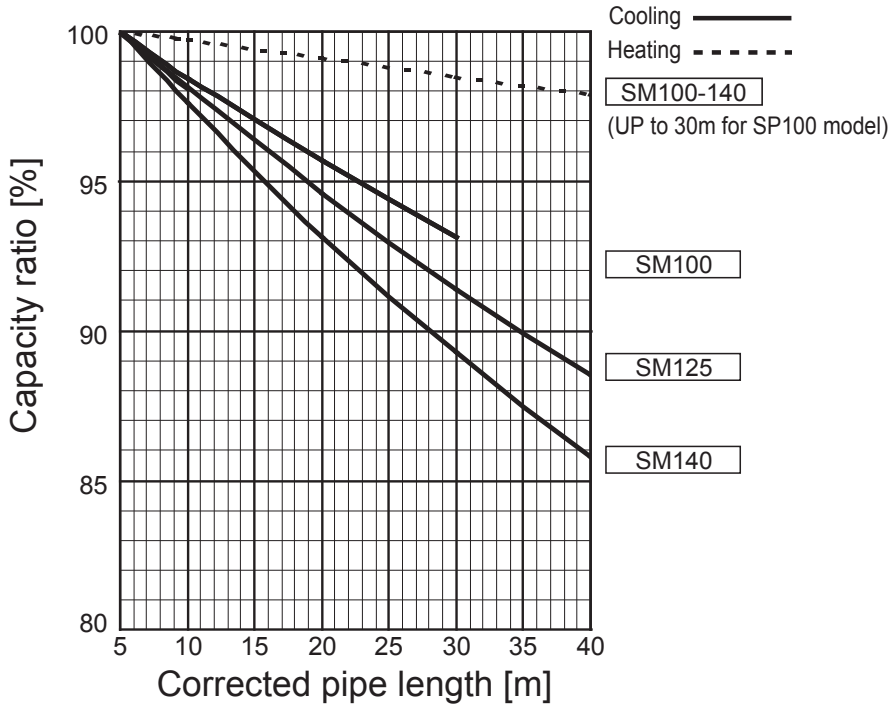
PUZ-ZM200YKA
PUZ-ZM250YKA



PUZ-M200YKA
PUZ-M250YKA

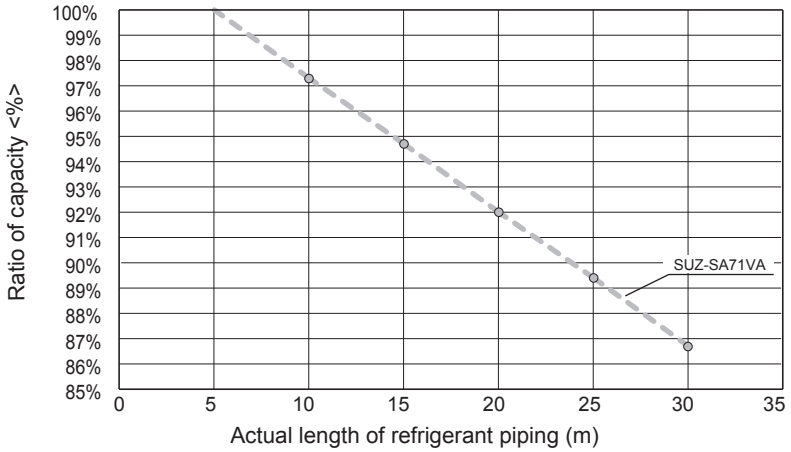


PUZ-SM100VKA
PUZ-SM100YKA
PUZ-SM125VKA
PUZ-SM125YKA
PUZ-SM140VKA
PUZ-SM140YKA

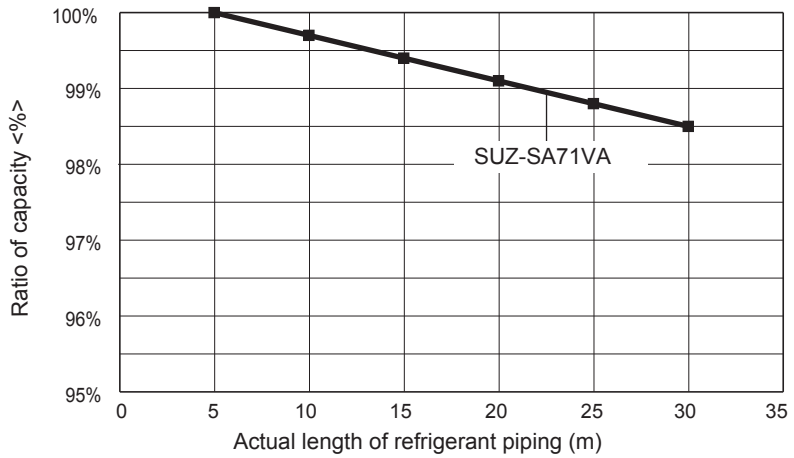


SUZ-SM71VA

Correction ratio of capacity according to the length of piping (cooling)



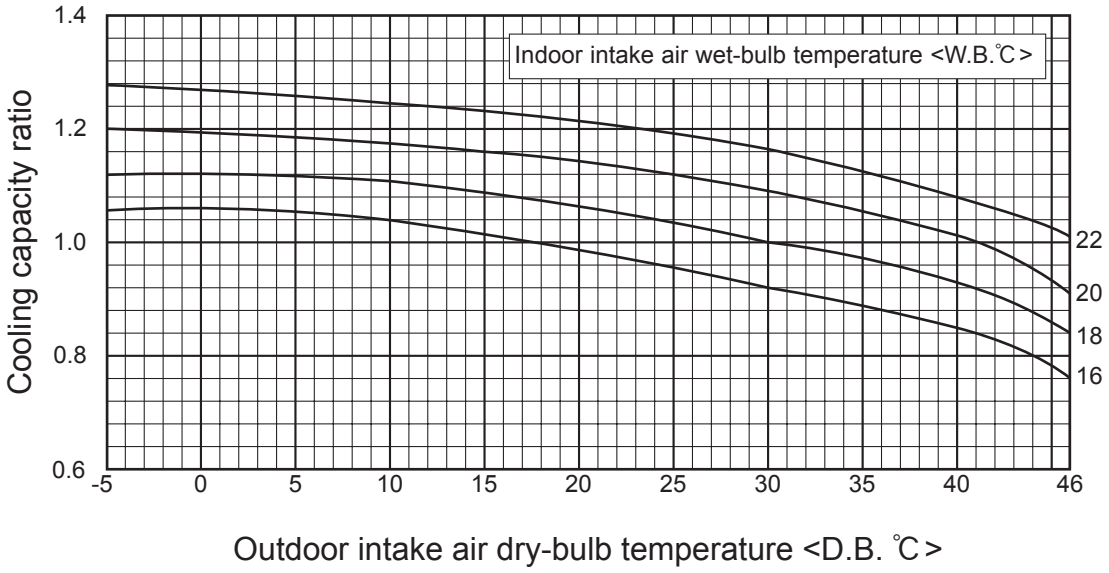
Correction ratio of capacity according to the length of piping (heating)



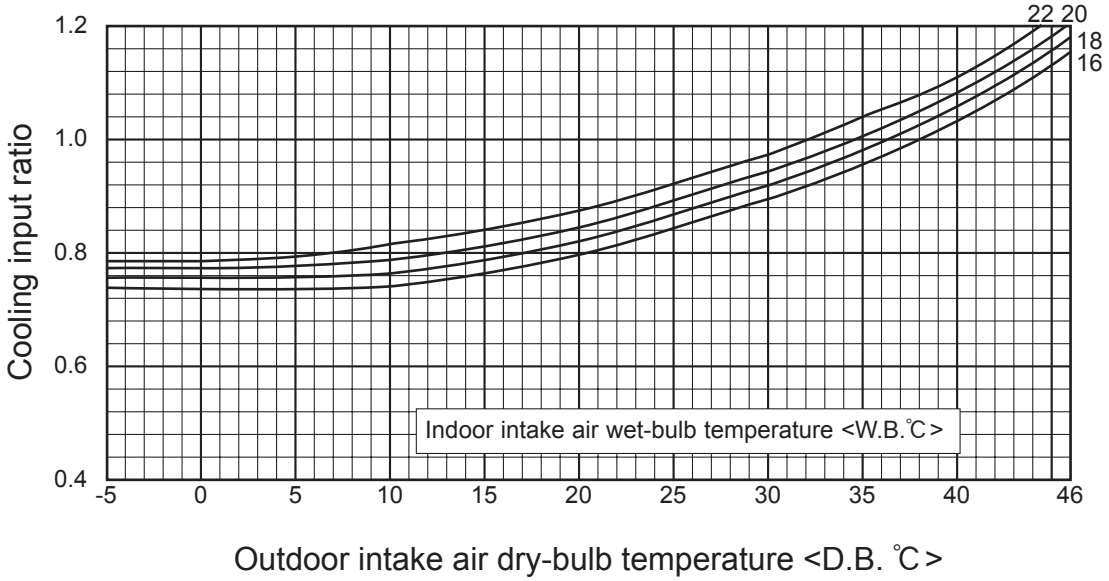
A.8.4.2 R410A type

1. INVERTER MODELS Heat pump type [Without the optional Air protect guide]
FOR THE COMBINATION OF OUTDOOR UNIT PUHZ-SHW•HA(-BS) PUHZ-SHW•KA

Cooling capacity

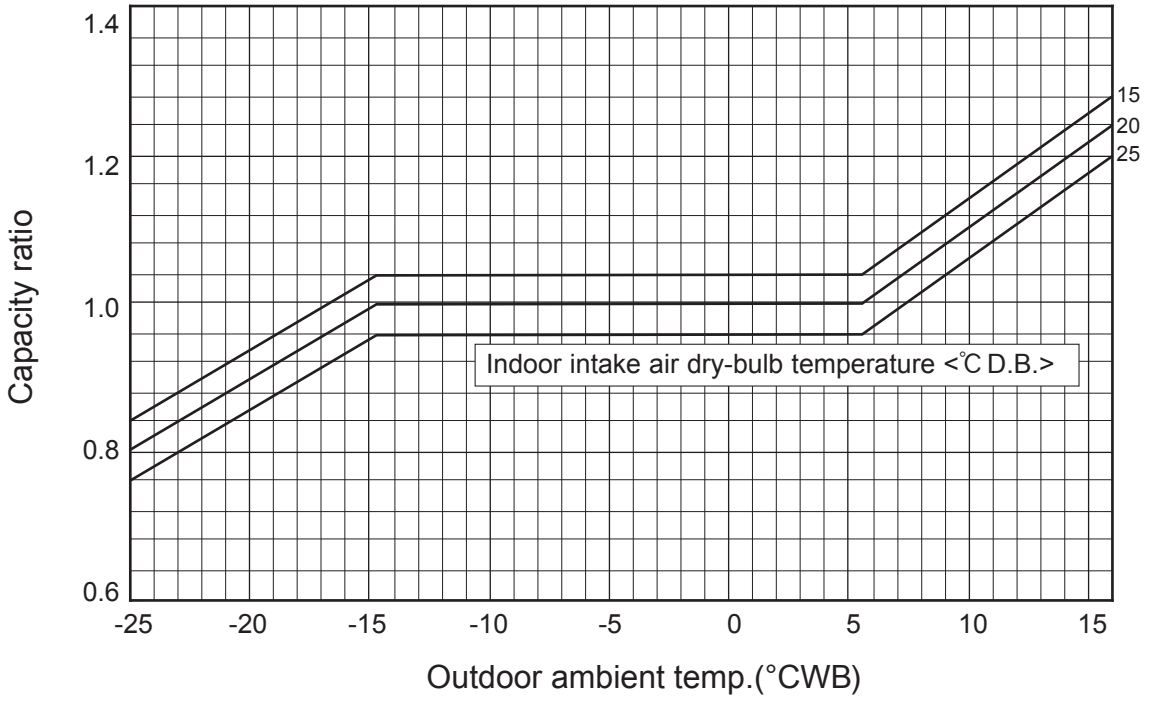


Cooling input

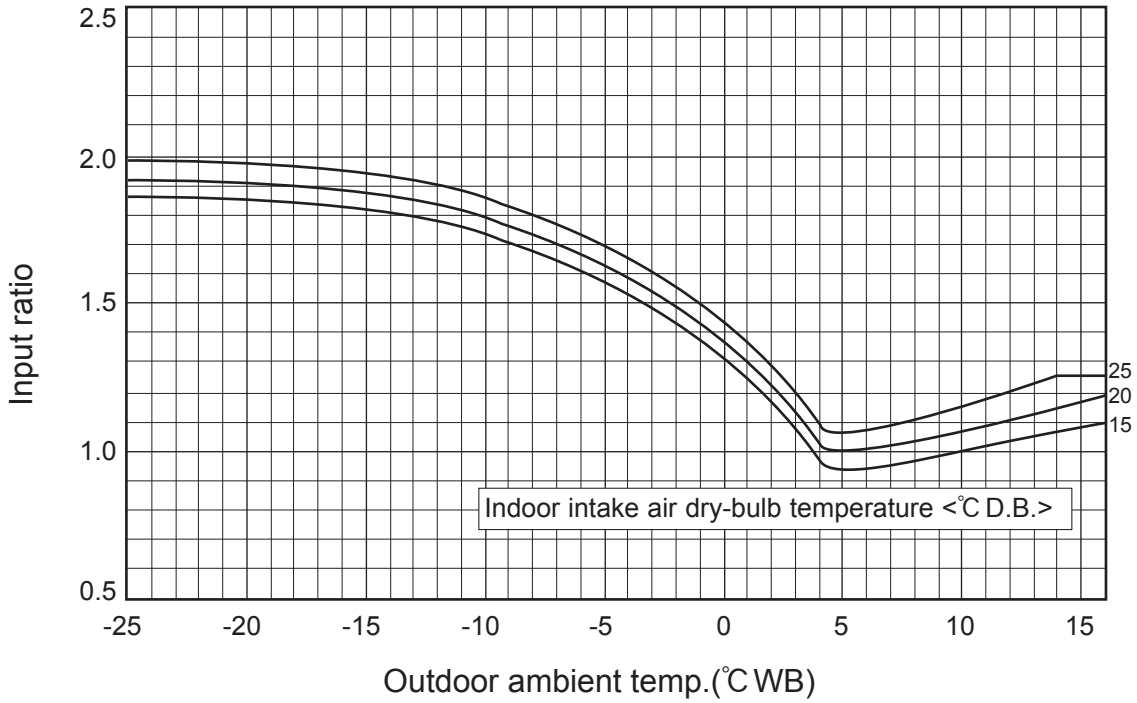


Note : This diagrams show the case where the operation frequency of a compressor is fixed.

Heating capacity



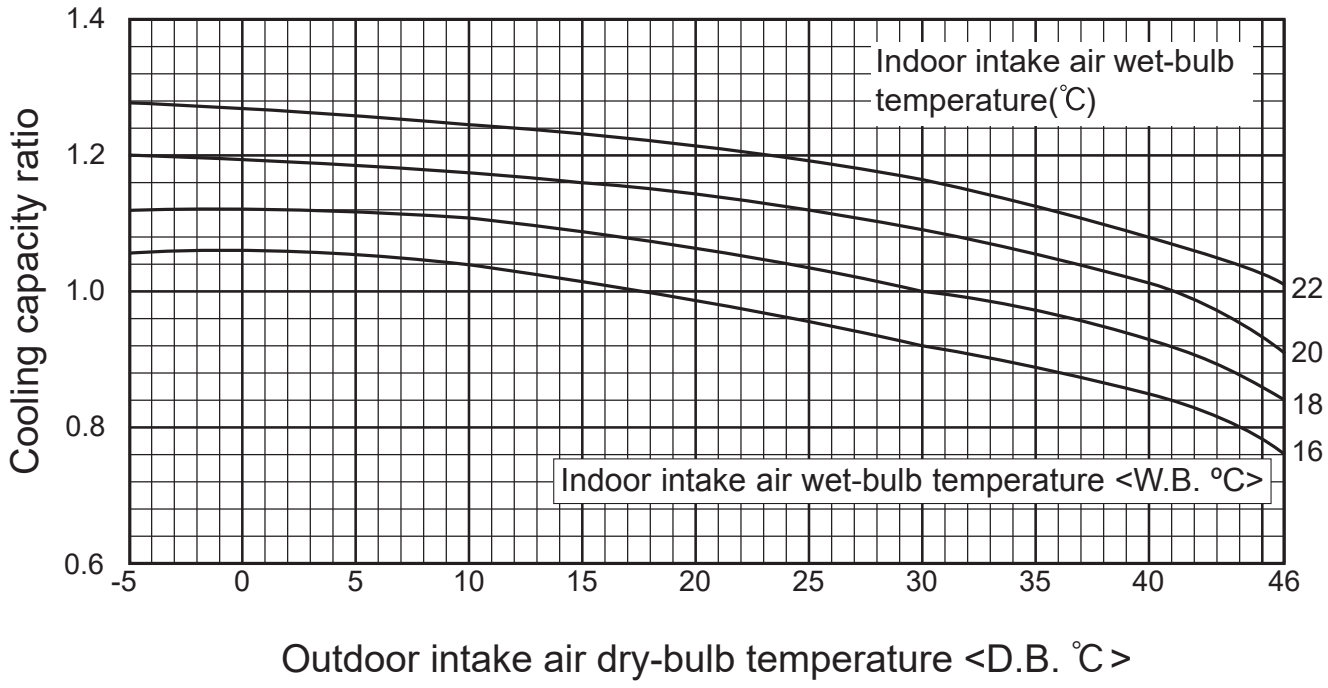
Heating input



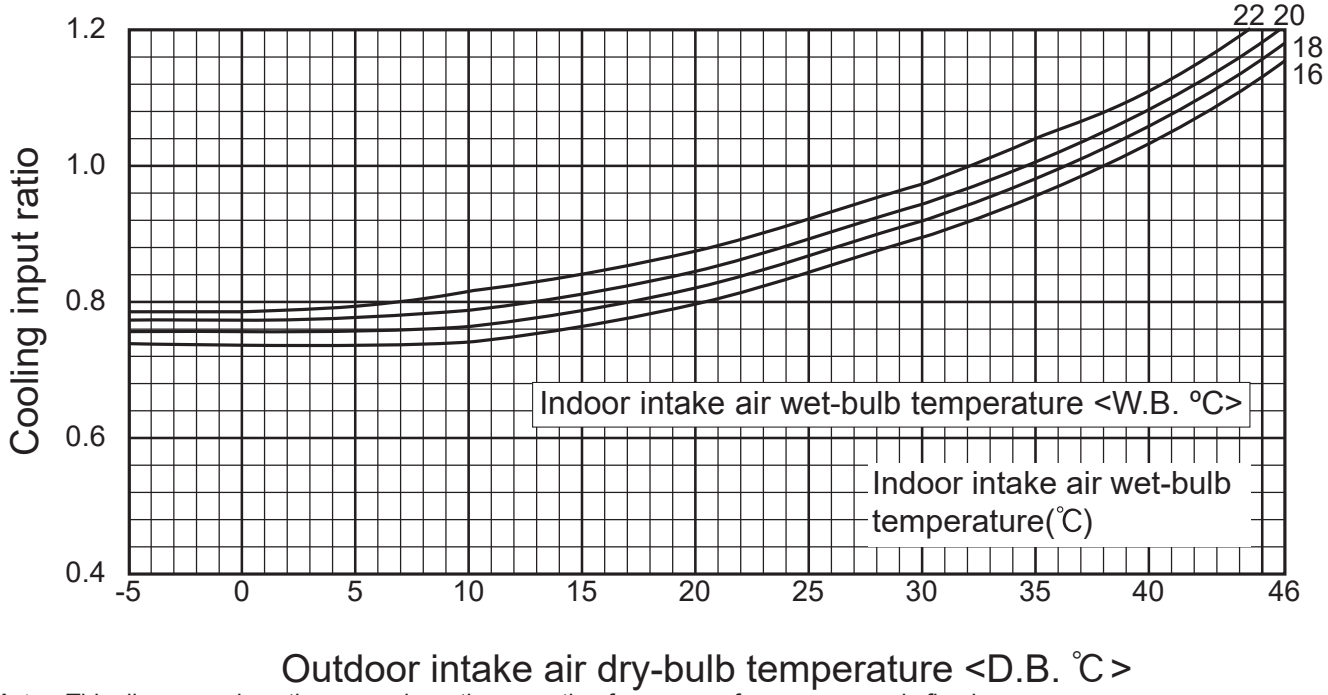
FOR THE COMBINATION OF OUTDOOR UNIT

PUHZ-ZRP35VKA2	**PUHZ-ZRP100VKA3**	**PUHZ-P100VKA**	**PUHZ-SP100YKA**
PUHZ-ZRP50VKA2	**PUHZ-ZRP100YKA3**	**PUHZ-P100YKA**	**PUHZ-SP125VKA**
PUHZ-ZRP60VHA2	**PUHZ-ZRP125VKA3**	**PUHZ-P125VKA**	**PUHZ-SP125YKA**
PUHZ-ZRP71VHA2	**PUHZ-ZRP125YKA3**	**PUHZ-P125YKA**	**PUHZ-SP140VKA**
	PUHZ-ZRP140VKA3	**PUHZ-P140VKA**	**PUHZ-SP140YKA**
	PUHZ-ZRP140YKA3	**PUHZ-P140YKA**	
	PUHZ-ZRP200YKA3	**PUHZ-P200YKA3**	**PUHZ-FRP71VHA2**
	PUHZ-ZRP250YKA3	**PUHZ-P250YKA3**	

Cooling capacity

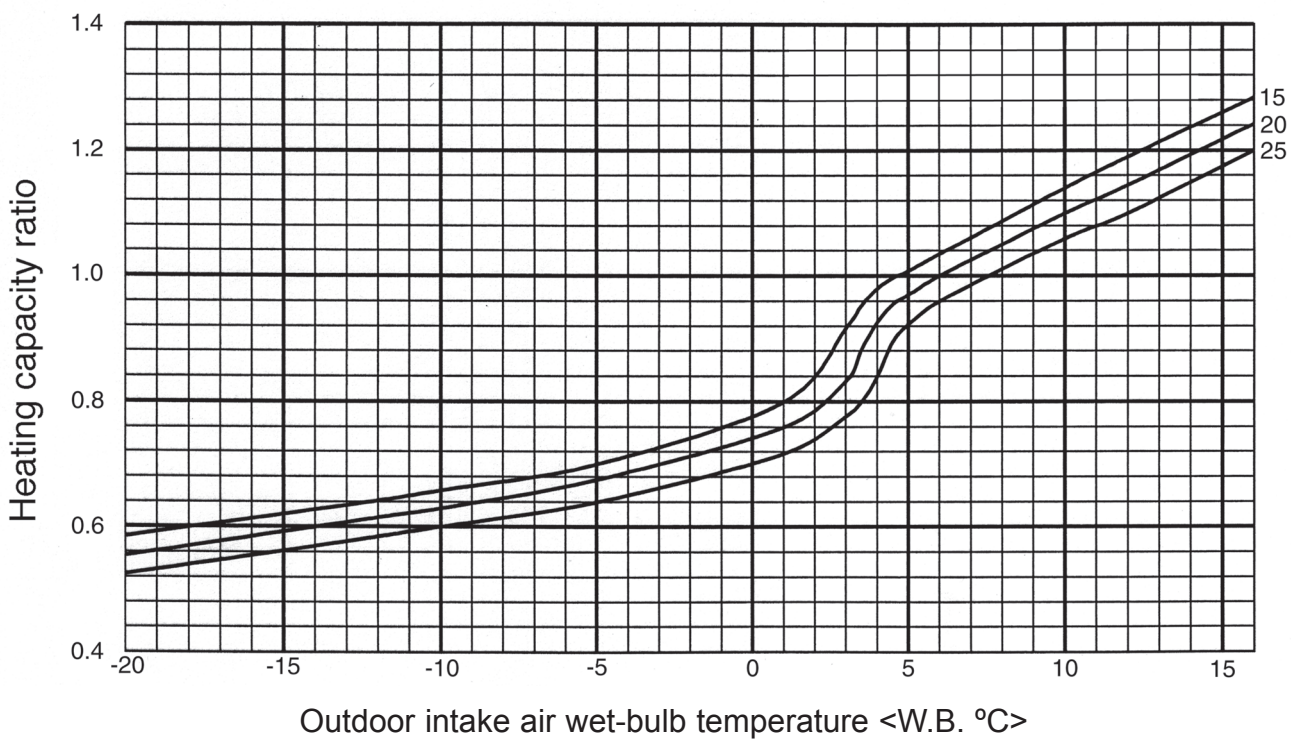


Cooling input

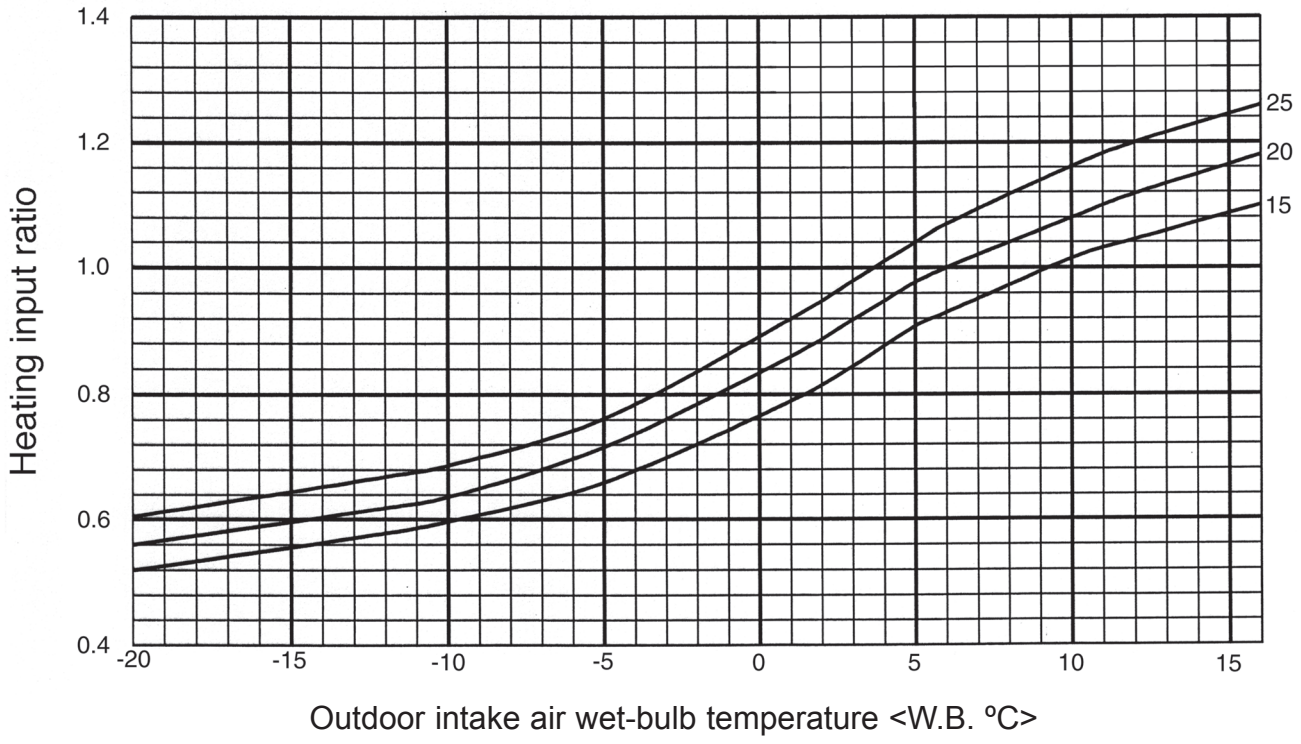


Note : This diagrams show the case where the operation frequency of a compressor is fixed.

Heating capacity



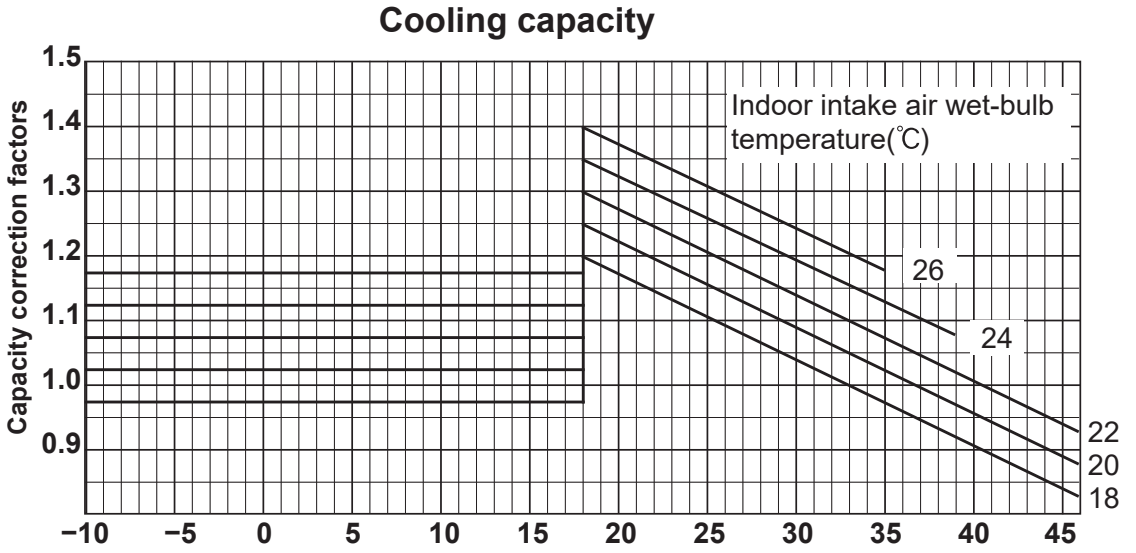
Heating input

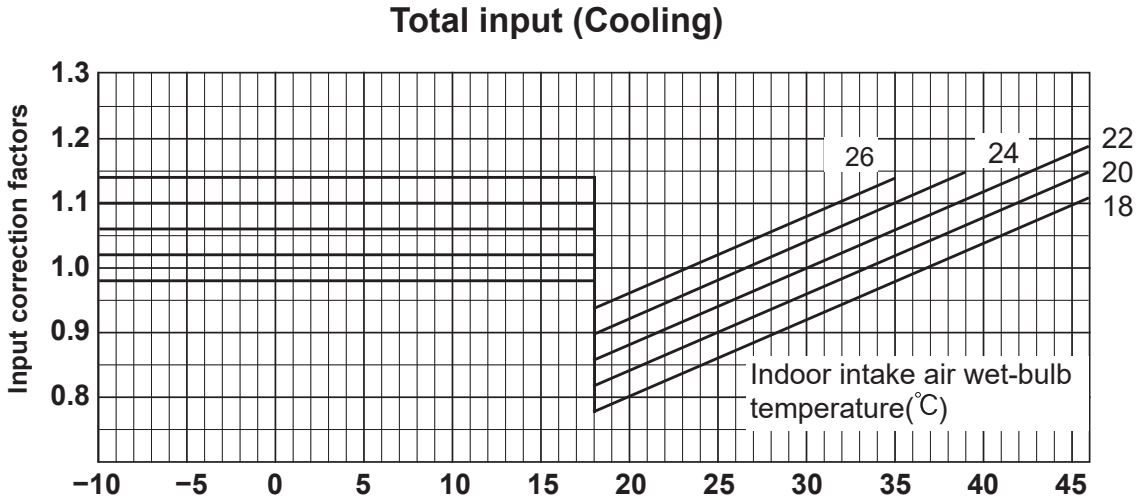


Note : This diagrams show the case where the operation frequency of a compressor is fixed.

FOR THE COMBINATION OF OUTDOOR UNIT SUZ-SA71VA3 SUZ-SA100VA2

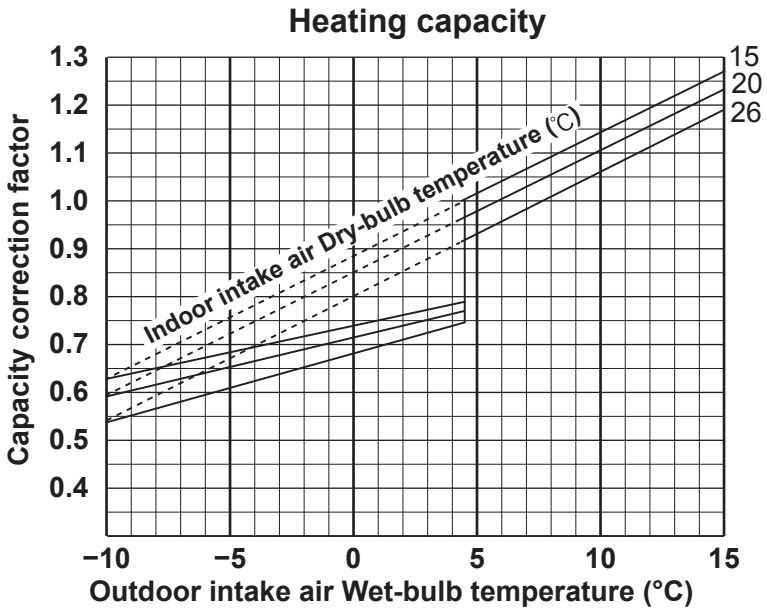
<COOLING>

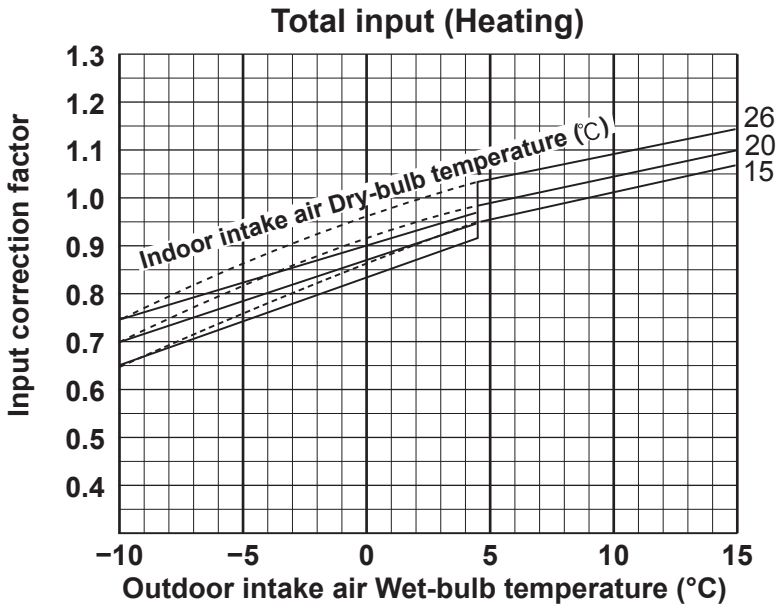




Lower limit of guaranteed operating range in cooling: −10°C

<HEATING>

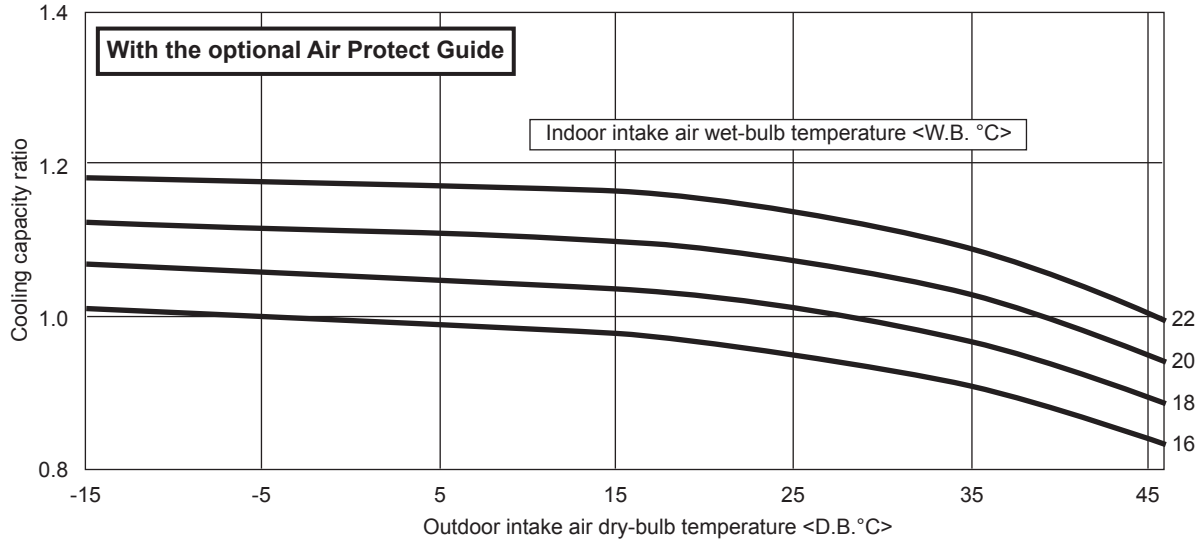

Heating capacity
Capacity correction factor
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
Indoor intake air Dry-bulb temperature (°C)
15
20
26
−10
−5
0
5
10
15
Outdoor intake air Wet-bulb temperature (°C)


Total input (Heating)
Input correction factor
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
Indoor intake air Dry-bulb temperature (°C)
26
20
15
−10
−5
0
5
10
15
Outdoor intake air Wet-bulb temperature (°C)

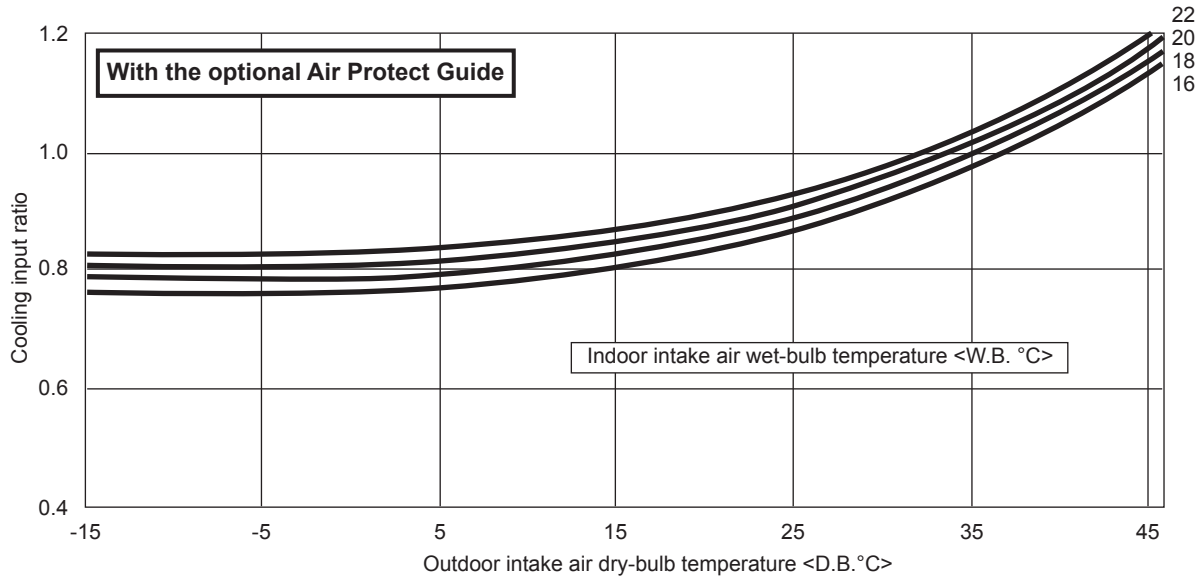
2. INSTALLING AN AIR PROTECT GUIDE

Installing an air protect guide allows the cooling operation in the extended outside air temperature range down to -15°C.

Cooling capacity



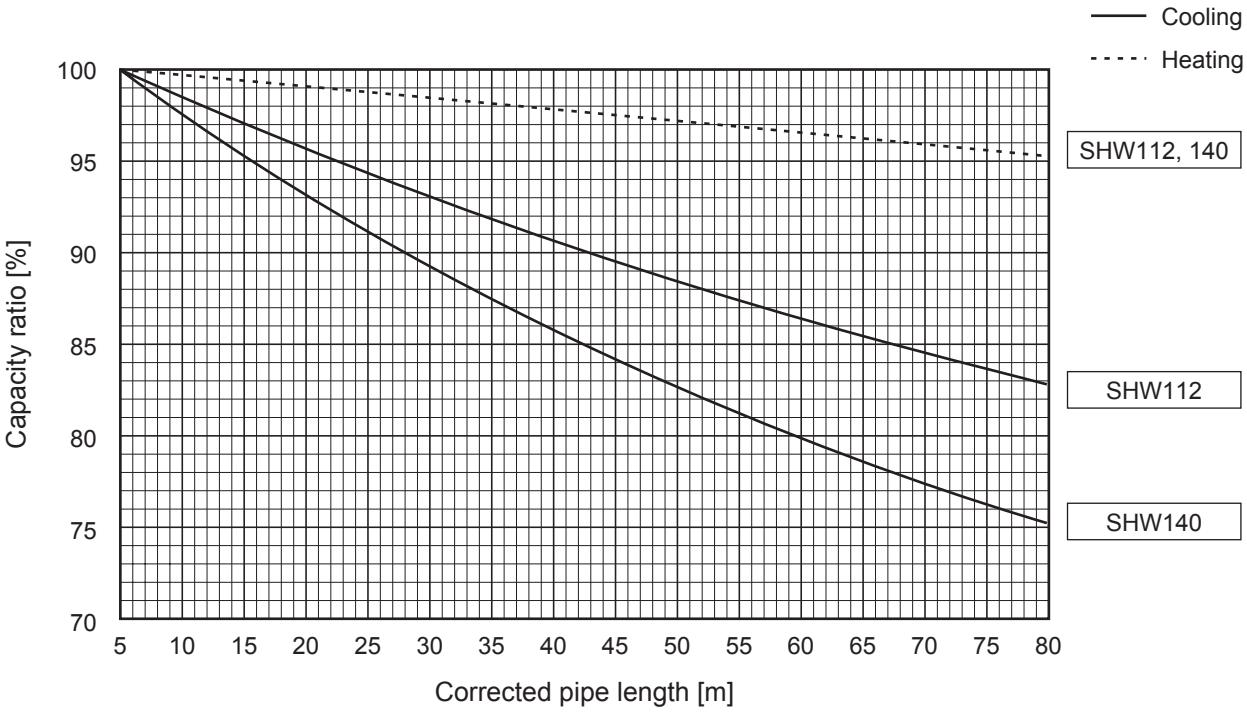
Cooling input



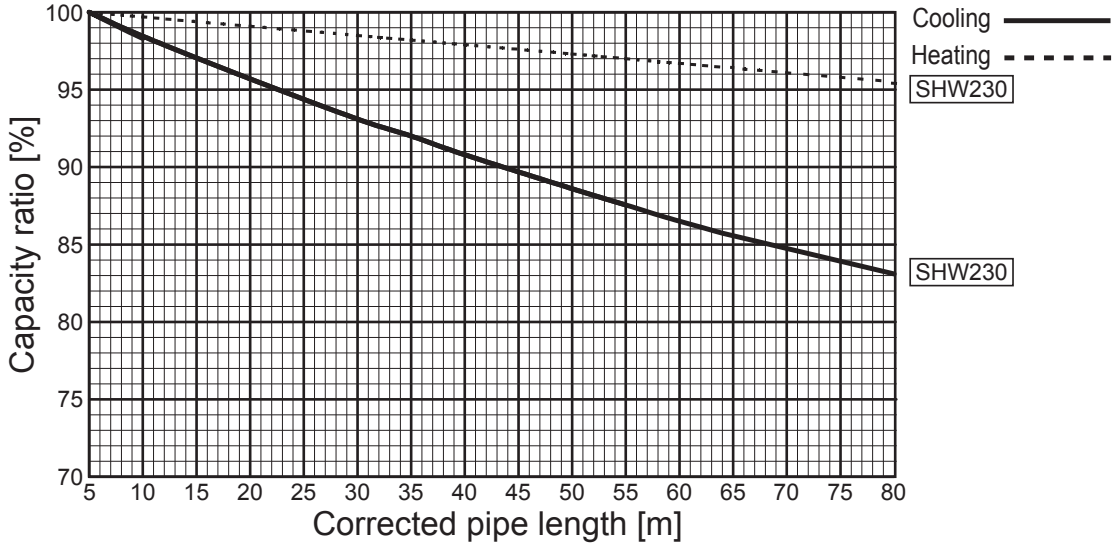
Applicable Models	Optional parts name	Optional parts No.	See page
PUHZ-ZRP35, 50	Air protect guide (for cooling at -15°C)	PAC-SJ06AG-E	E-262
PUHZ-ZRP60, 71 PUHZ-SHW112, 140 PUHZ-FRP71VHA2		PAC-SH63AG-E	E-264
PUHZ-ZRP100, 125, 140 PUHZ-ZRP200, 250 PUHZ-P200, 250 PUHZ-SHW230 PUHZ-P100, 125, 140 PUHZ-SP100, 125, 140		PAC-SH95AG-E	E-267

3. CAPACITY CORRECTION RATIO CURVE PIPNG LENGTH

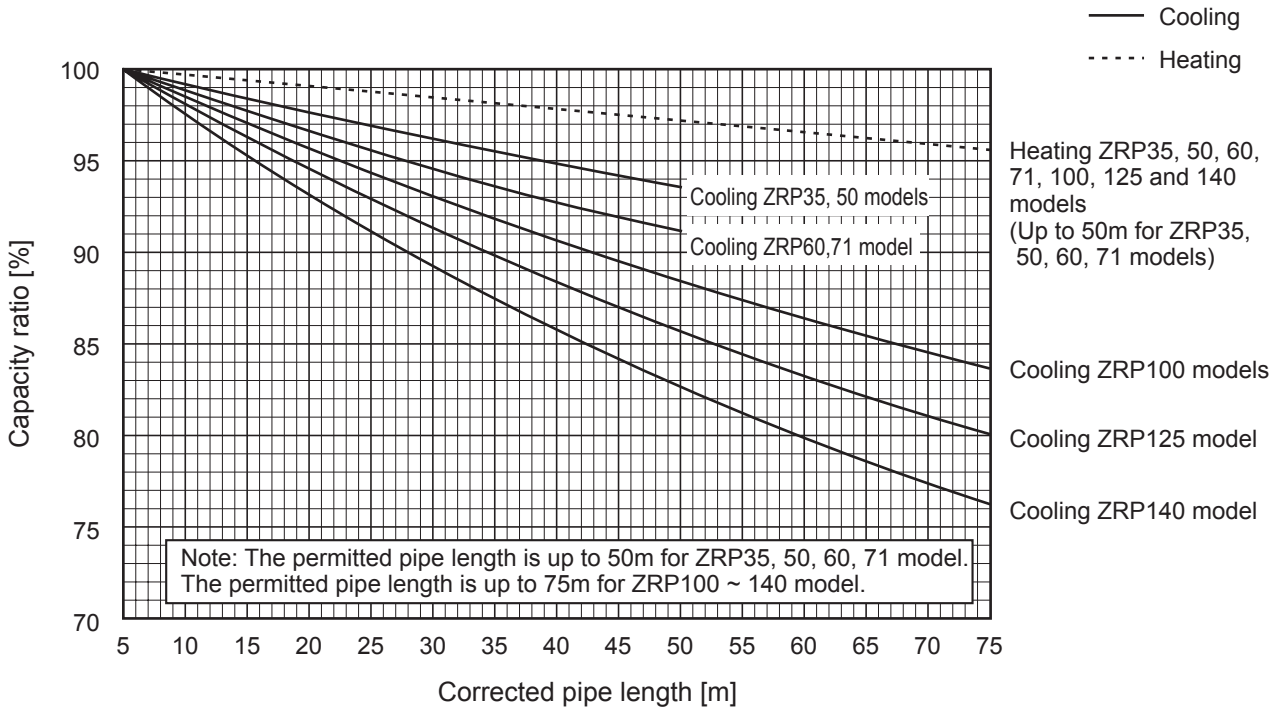
PUHZ-SHW112VHA
PUHZ-SHW112YHA
PUHZ-SHW140YHA



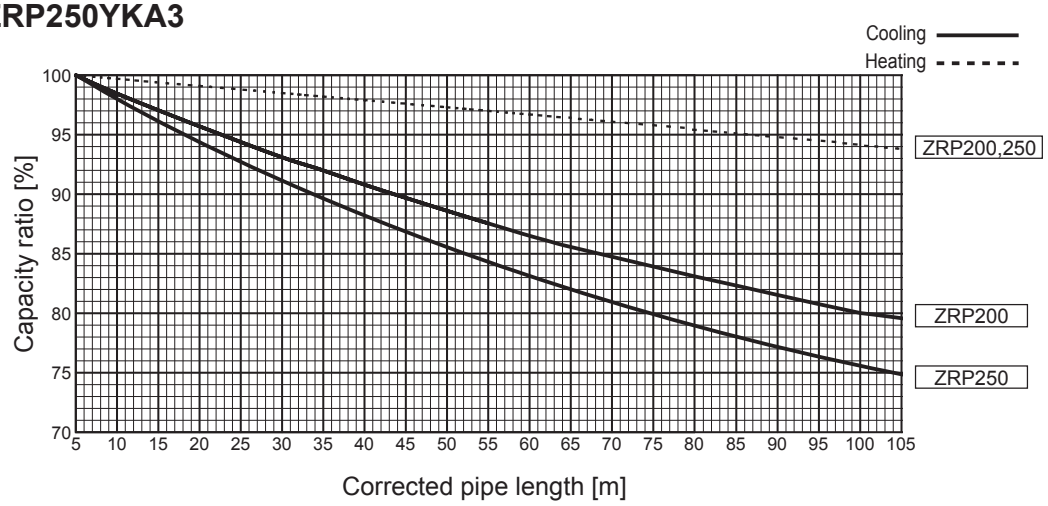
PUHZ-SHW230YKA2



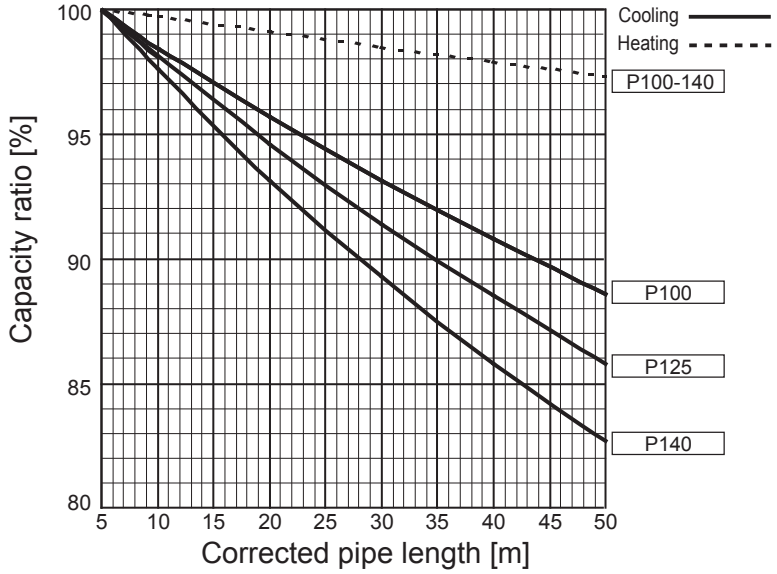
PUHZ-ZRP35VKA2
PUHZ-ZRP50VKA2
PUHZ-ZRP60VHA2
PUHZ-ZRP71VHA2
PUHZ-ZRP100VKA3
PUHZ-ZRP100YKA3
PUHZ-ZRP125VKA3
PUHZ-ZRP125YKA3
PUHZ-ZRP140VKA3
PUHZ-ZRP140YKA3



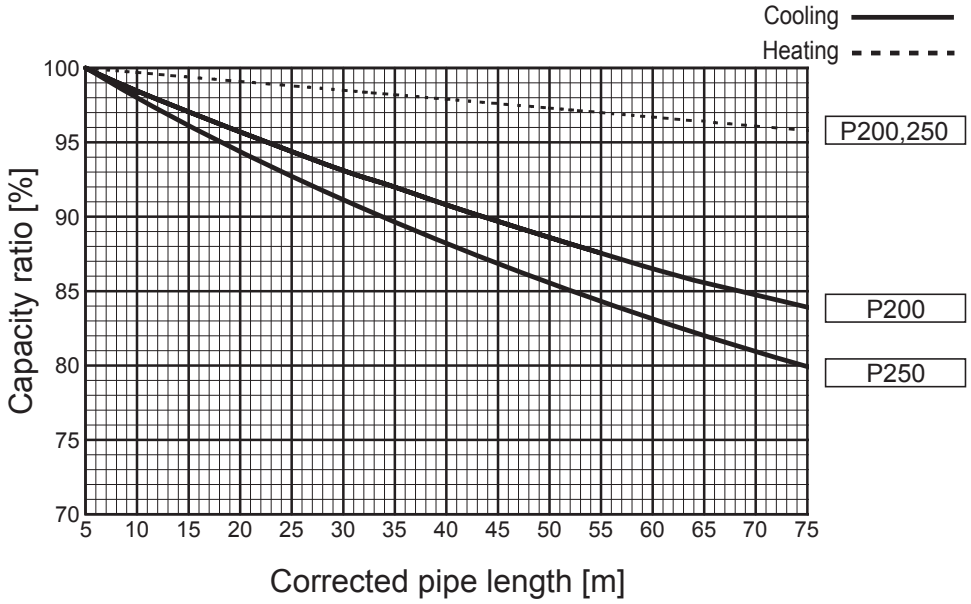
PUHZ-ZRP200YKA3
PUHZ-ZRP250YKA3



PUHZ-P100VKA
PUHZ-P100YKA
PUHZ-P125VKA
PUHZ-P125YKA
PUHZ-P140VKA
PUHZ-P140YKA

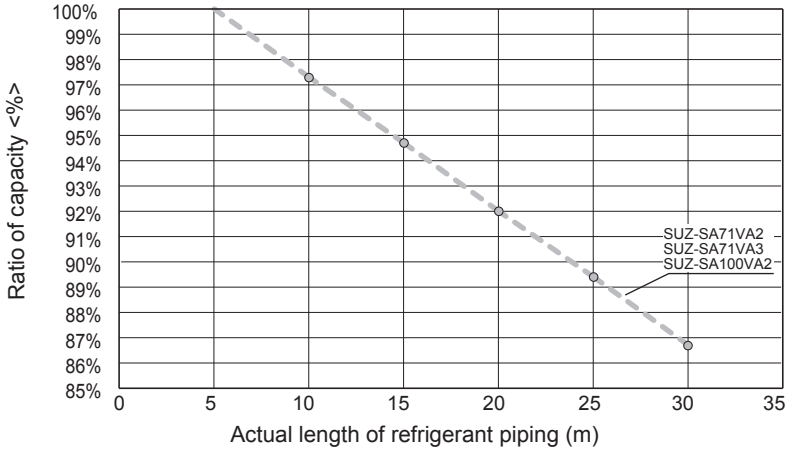


PUHZ-P200YKA3
PUHZ-P250YKA3

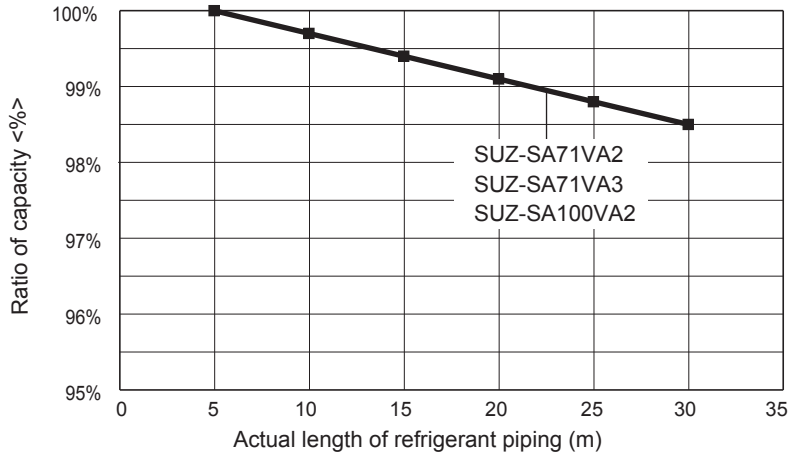


SUZ-SA71VA2
SUZ-SA71VA3
SUZ-SA100VA2

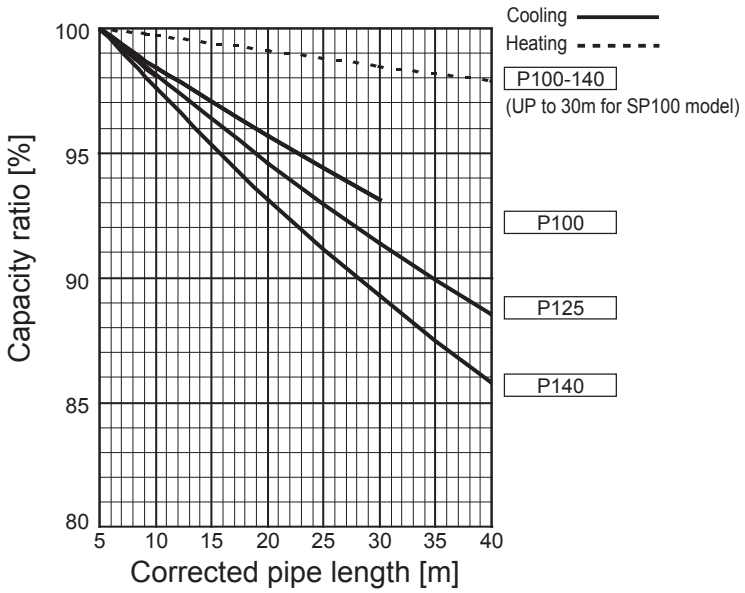
Correction ratio of capacity according to the length of piping (cooling)



Correction ratio of capacity according to the length of piping (heating)

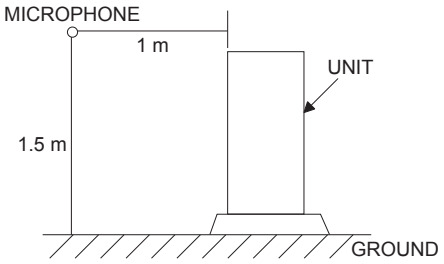


PUHZ-SP100YKA
PUHZ-SP125VKA
PUHZ-SP125YKA
PUHZ-SP140VKA
PUHZ-SP140YKA



A.8.5 NOISE CRITERIA CURVES

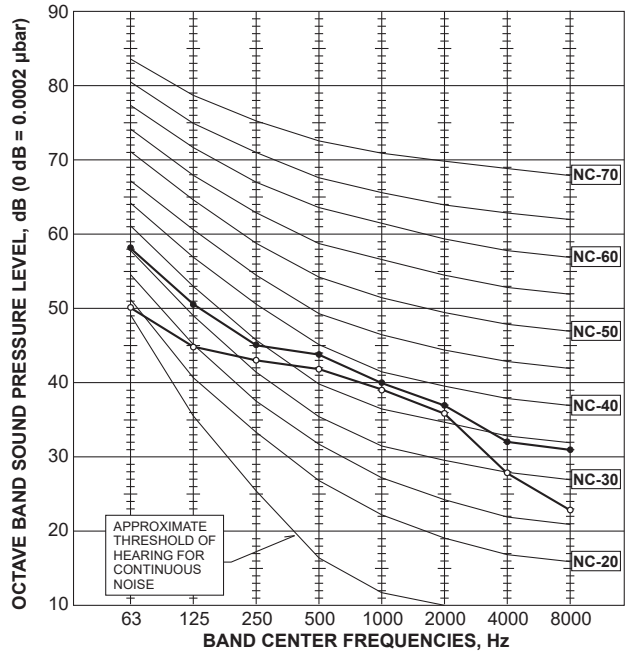
A.8.5.1 R32 type



<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

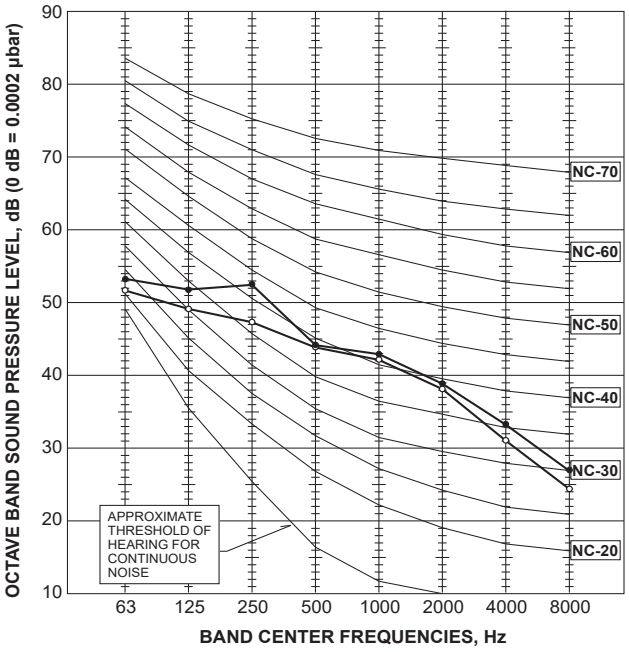
PUZ-ZM35VKA
PUZ-ZM50VKA

MODE	SPL(dB)	LINE
COOLING	44	○—○
HEATING	46	●—●



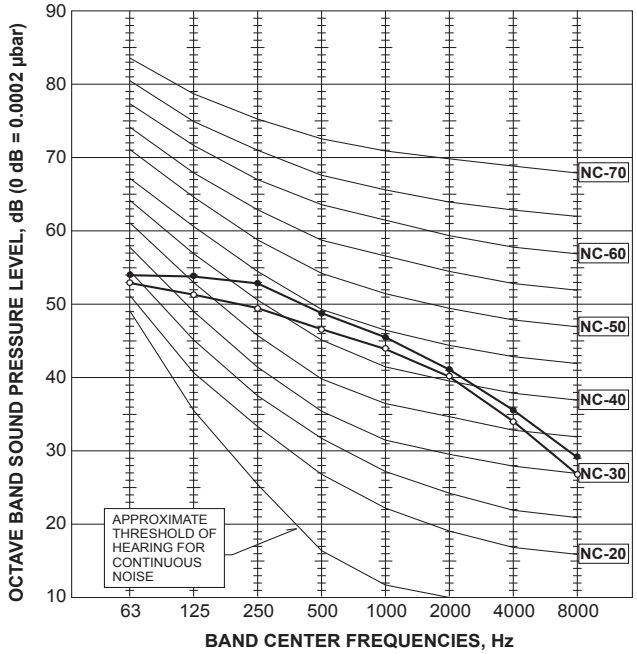
PUZ-ZM60VHA
PUZ-ZM71VHA

MODE	SPL(dB)	LINE
COOLING	47	○—○
HEATING	49	●—●



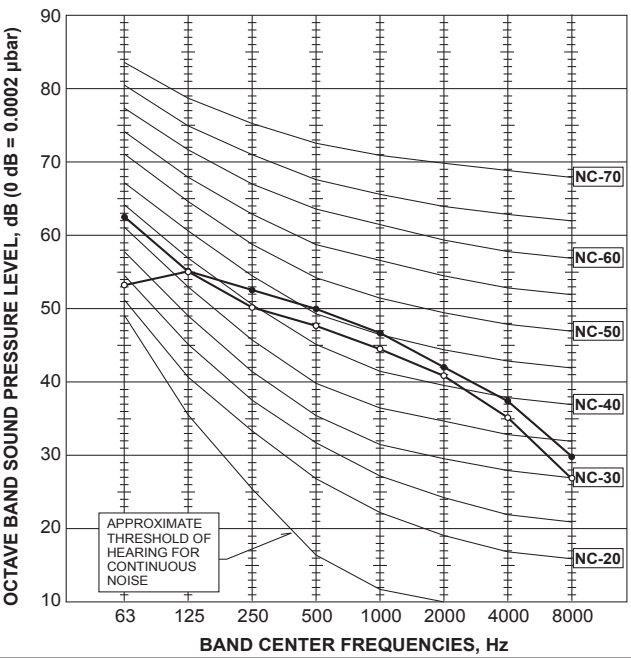
PUZ-ZM100VKA
PUZ-ZM100YKA

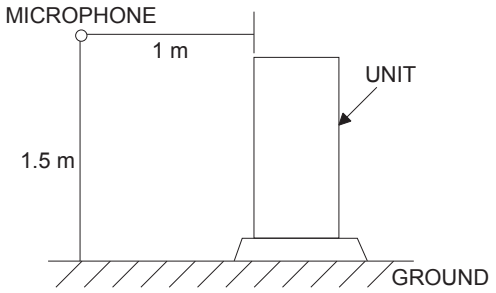
MODE	SPL(dB)	LINE
COOLING	49	○—○
HEATING	51	●—●



PUZ-ZM125VKA
PUZ-ZM125YKA
PUZ-ZM140VKA
PUZ-ZM140YKA

MODE	SPL(dB)	LINE
COOLING	50	○—○
HEATING	52	●—●

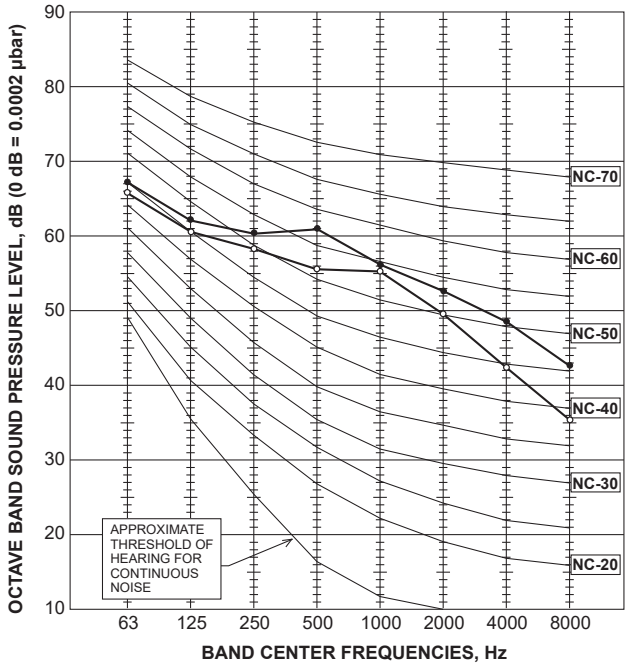




PUZ-ZM200YKA(.UK)

( ):Service Ref.

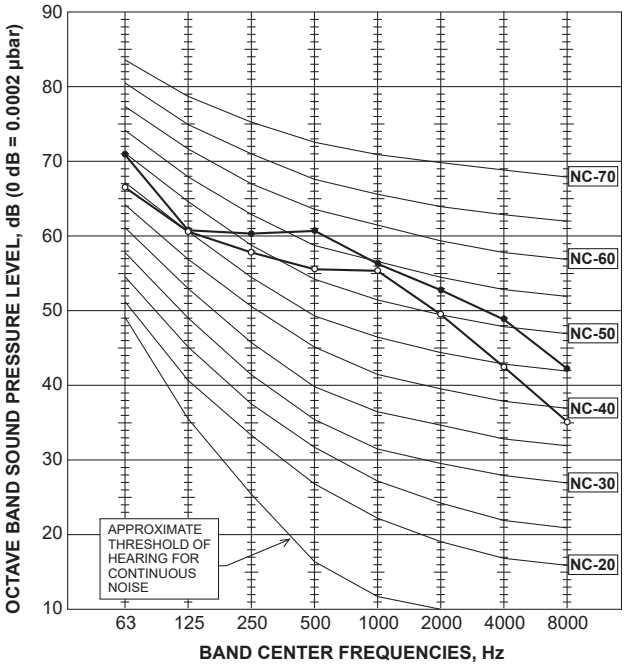
MODE	SPL(dB)	LINE
COOLING	59	
HEATING	62	



PUZ-ZM250YKA(.UK)

( ):Service Ref.

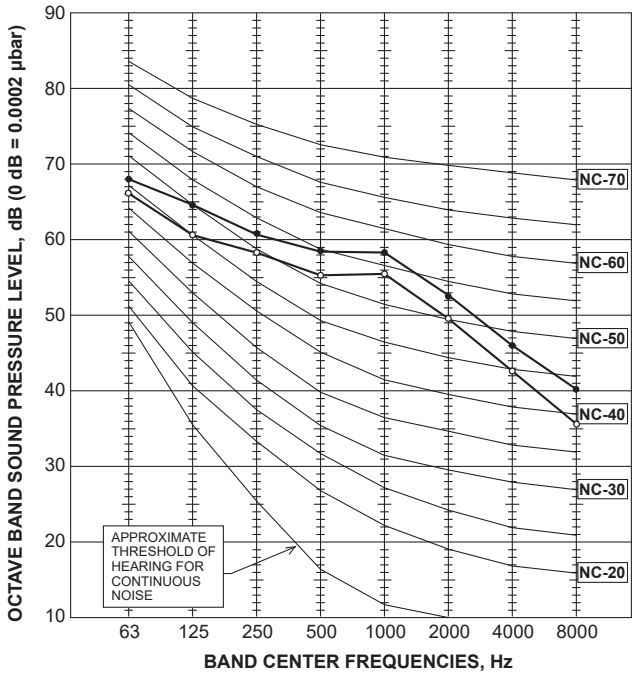
MODE	SPL(dB)	LINE
COOLING	59	
HEATING	62	



PUZ-ZM200YKA(R1)

( ):Service Ref.

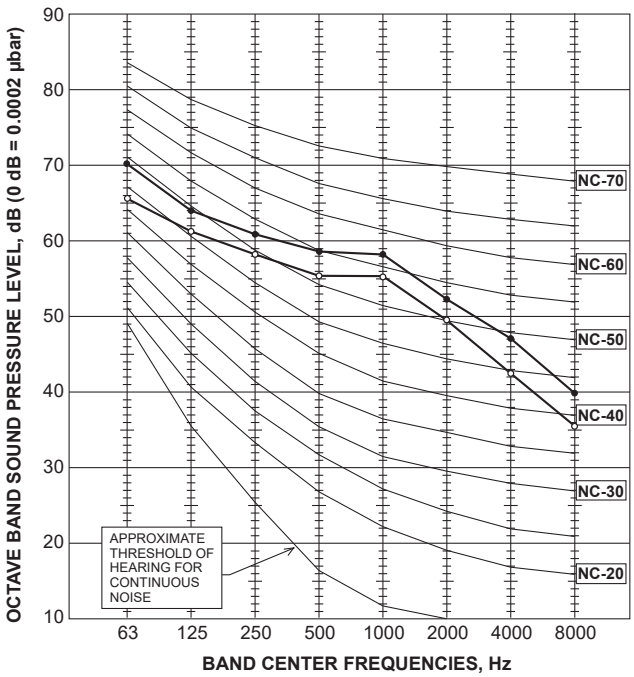
MODE	SPL(dB)	LINE
COOLING	59	
HEATING	62	

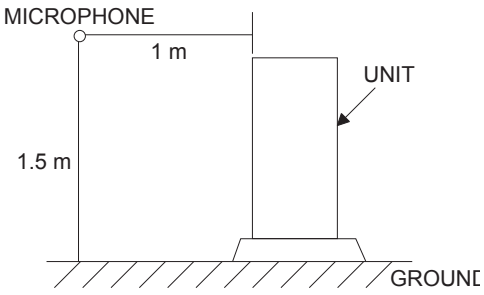


PUZ-ZM250YKA(R1)

( ):Service Ref.

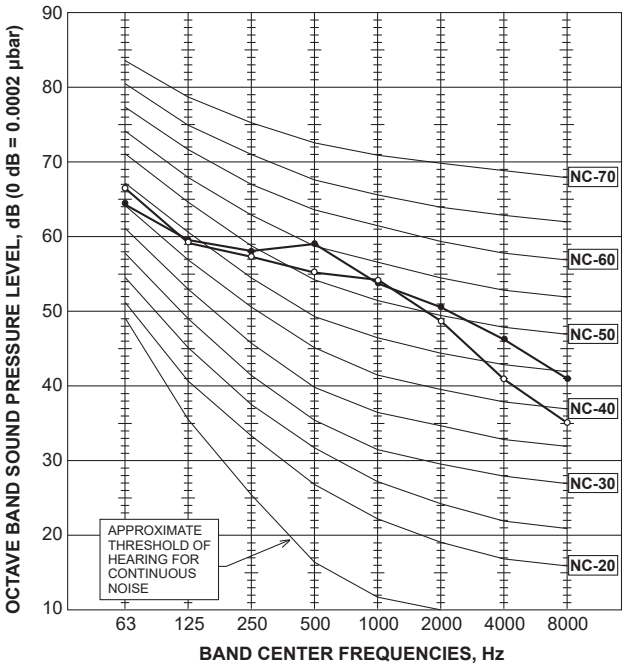
MODE	SPL(dB)	LINE
COOLING	59	
HEATING	62	





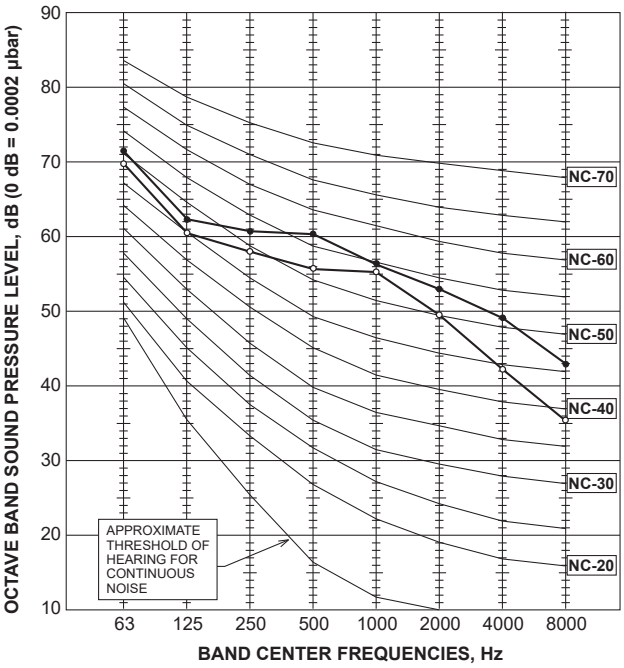
PUZ-M200YKA(.UK)
( ):Service Ref.

MODE	SPL(dB)	LINE
COOLING	58	○——○
HEATING	60	●——●



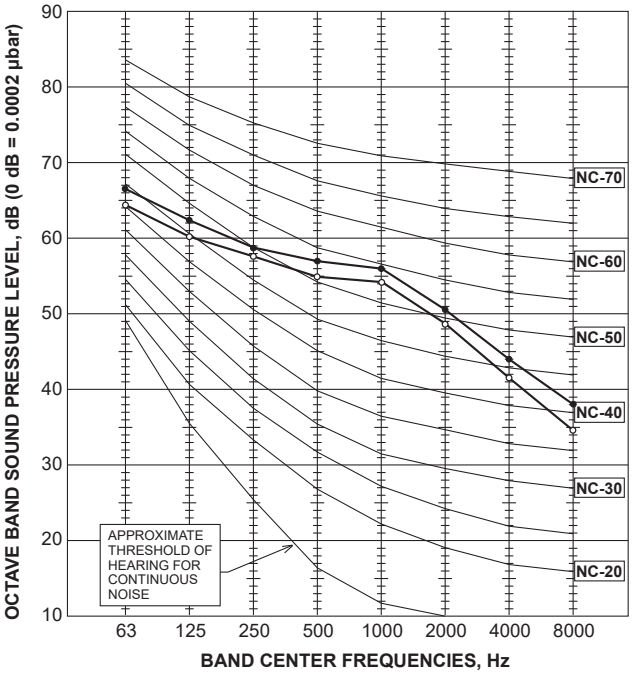
PUZ-M250YKA(.UK)
( ):Service Ref.

MODE	SPL(dB)	LINE
COOLING	59	○——○
HEATING	62	●——●



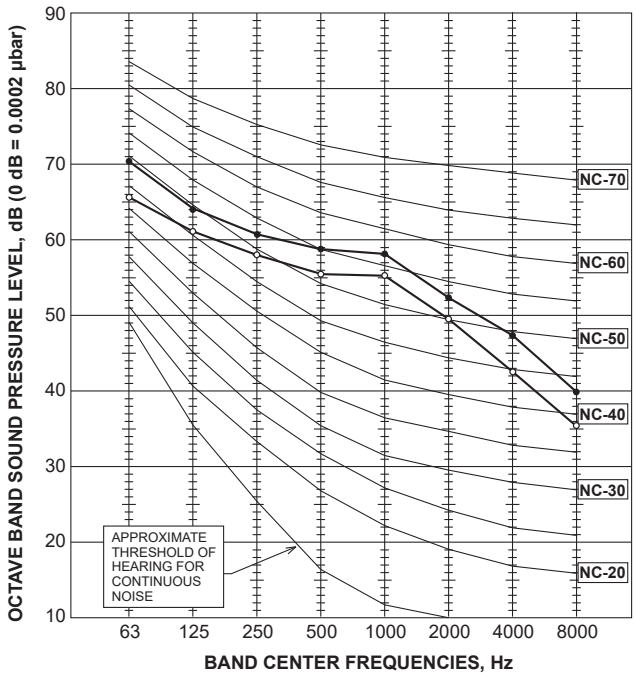
PUZ-M200YKA(R1)
( ):Service Ref.

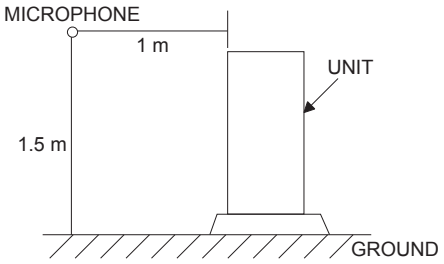
MODE	SPL(dB)	LINE
COOLING	58	○——○
HEATING	60	●——●



PUZ-M250YKA(R1)
( ):Service Ref.

MODE	SPL(dB)	LINE
COOLING	59	○——○
HEATING	62	●——●

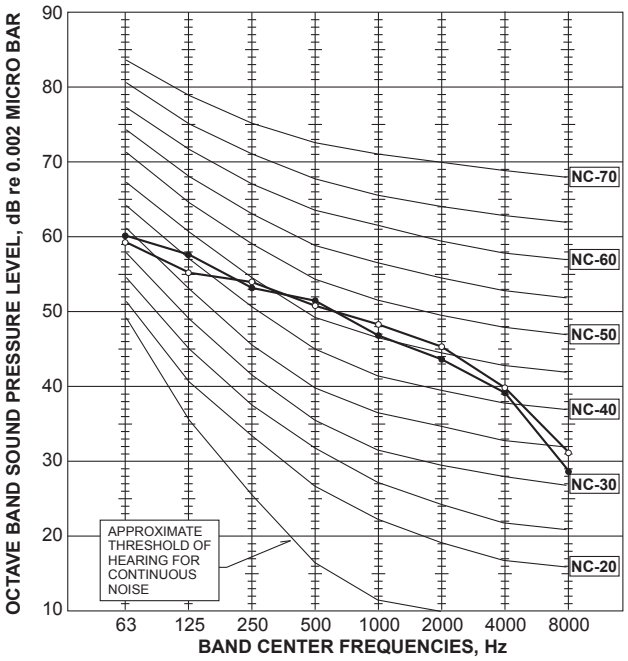




<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

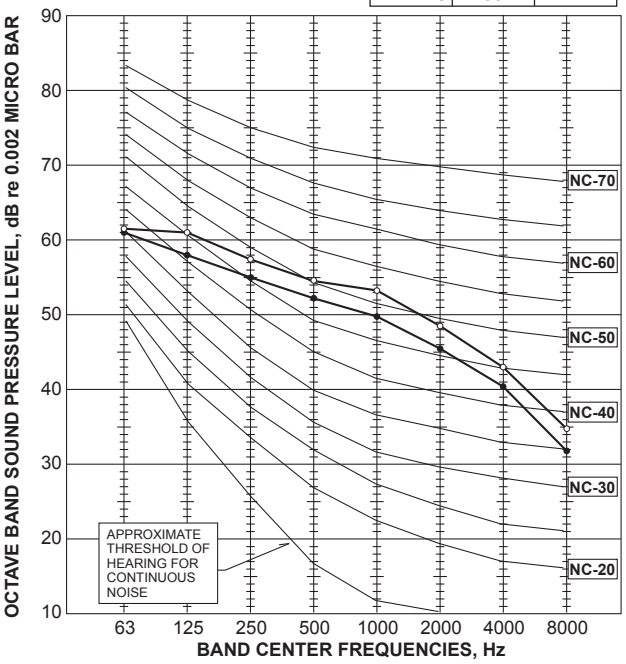
PUZ-M100VKA
PUZ-M100YKA
PUZ-SM100VKA
PUZ-SM100YKA

MODE	SPL(dB)	LINE
COOLING	51	●—●
HEATING	54	○—○



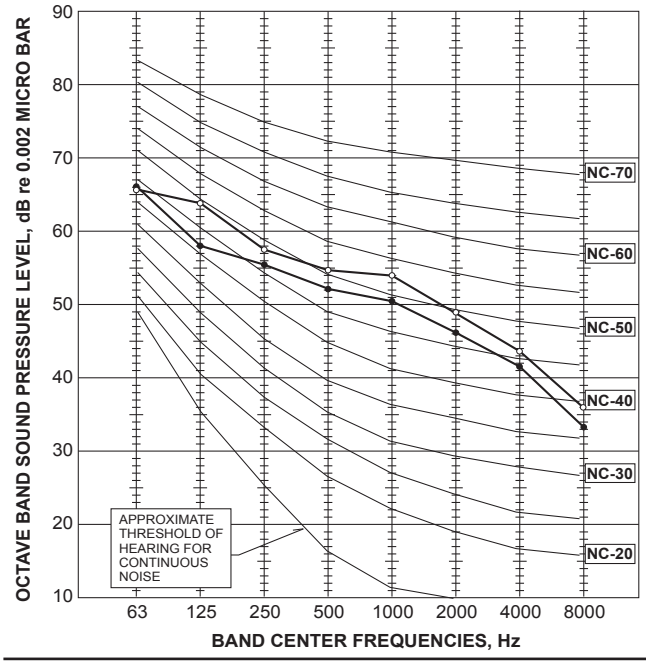
PUZ-M125VKA
PUZ-M125YKA
PUZ-SM125VKA
PUZ-SM125YKA

MODE	SPL(dB)	LINE
COOLING	54	●—●
HEATING	56	○—○



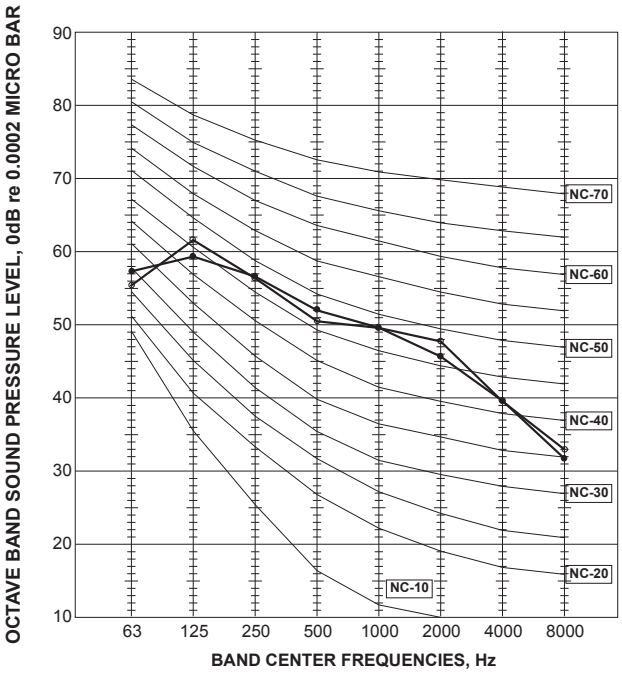
PUZ-M140VKA
PUZ-M140YKA
PUZ-SM140VKA
PUZ-SM140YKA

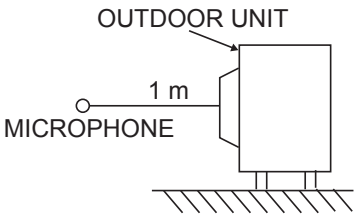
MODE	SPL(dB)	LINE
COOLING	55	●—●
HEATING	57	○—○



SUZ-SM71VA

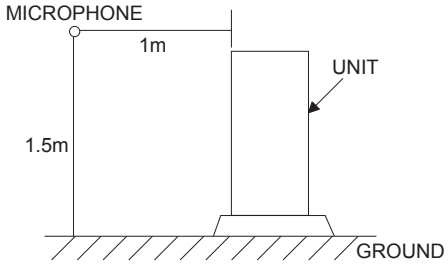
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	49	●—●
	HEATING	51	○—○





Test conditions
Cooling: Dry-bulb temperature 35°C
Heating: Dry-bulb temperature 7°C
Wet-bulb temperature 6°C

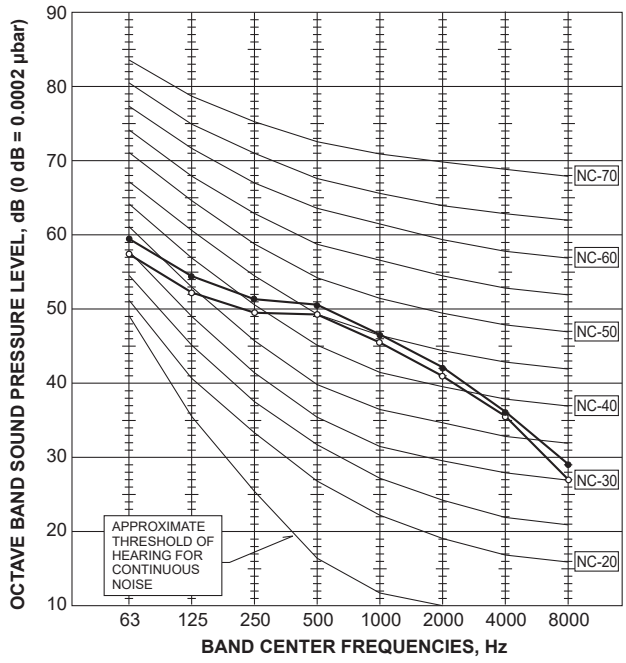
A.8.5.2 R410A type



<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

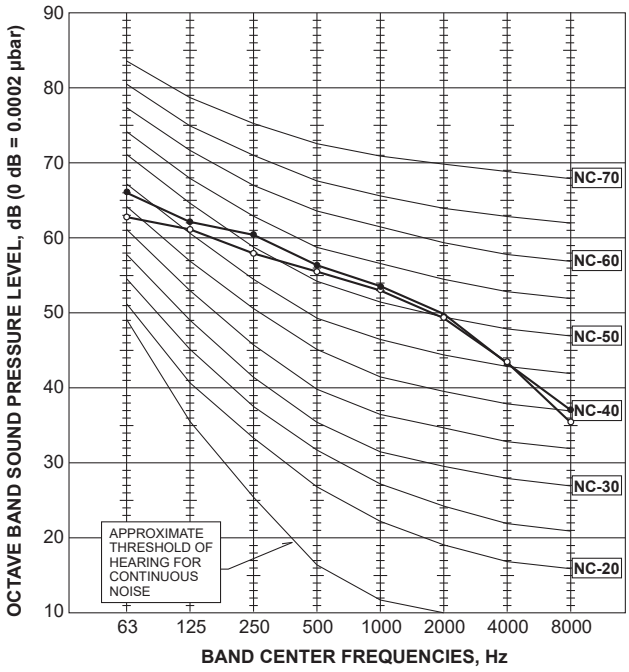
PUHZ-SHW112VHA(-BS)
PUHZ-SHW112YHA(-BS)
PUHZ-SHW140YHA(-BS)

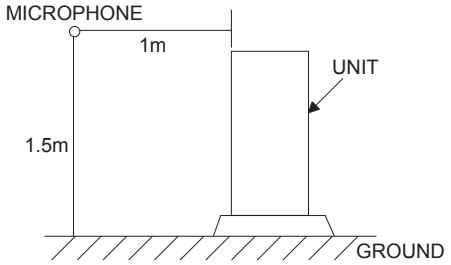
MODE	SPL(dB)	LINE
COOLING	51	○—○
HEATING	52	●—●



PUHZ-SHW230YKA2

MODE	SPL(dB)	LINE
COOLING	58	○—○
HEATING	59	●—●

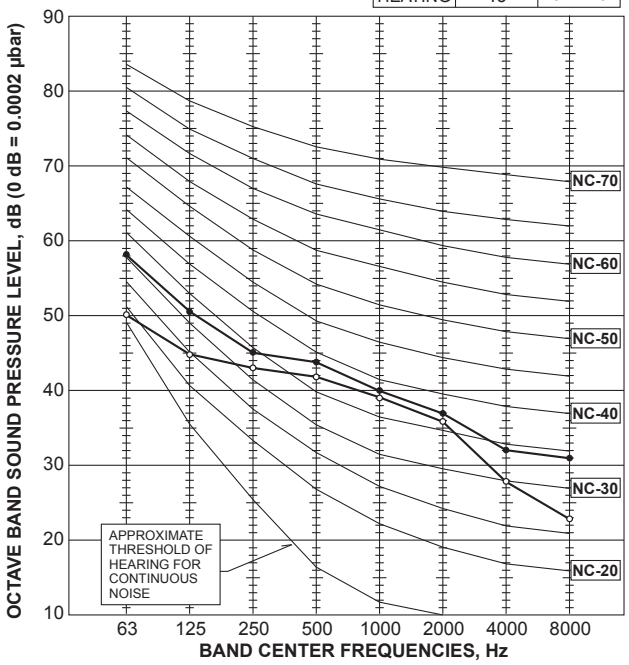




<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

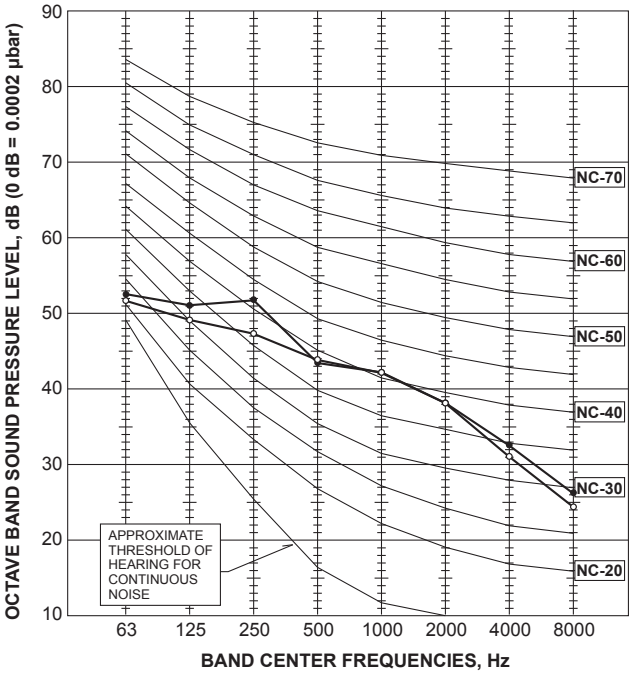
PUHZ-ZRP35VKA2
PUHZ-ZRP50VKA2

MODE	SPL(dB)	LINE
COOLING	44	○—○
HEATING	46	●—●



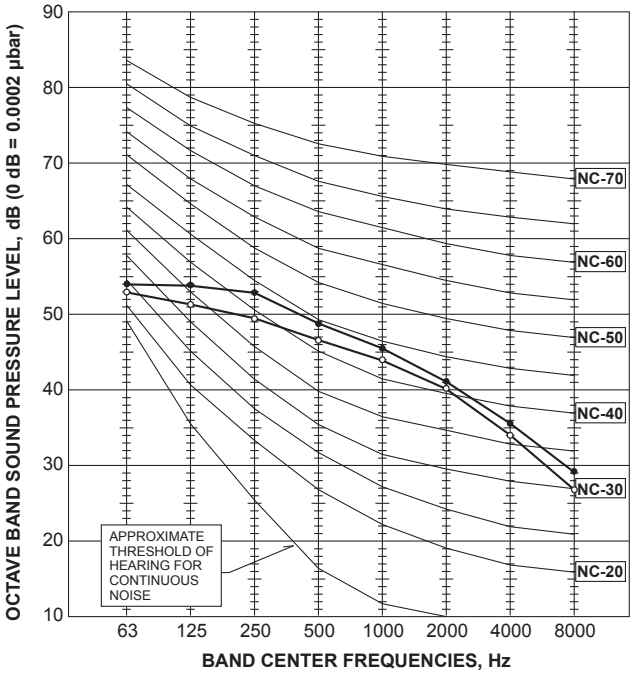
PUHZ-ZRP60VHA2
PUHZ-ZRP71VHA2

MODE	SPL(dB)	LINE
COOLING	47	○—○
HEATING	48	●—●



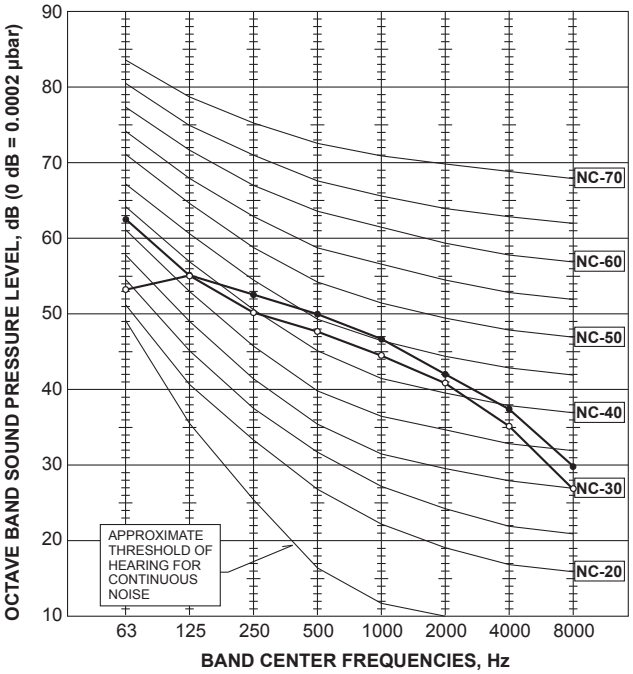
PUHZ-ZRP100VKA3
PUHZ-ZRP100YKA3

MODE	SPL(dB)	LINE
COOLING	49	○—○
HEATING	51	●—●



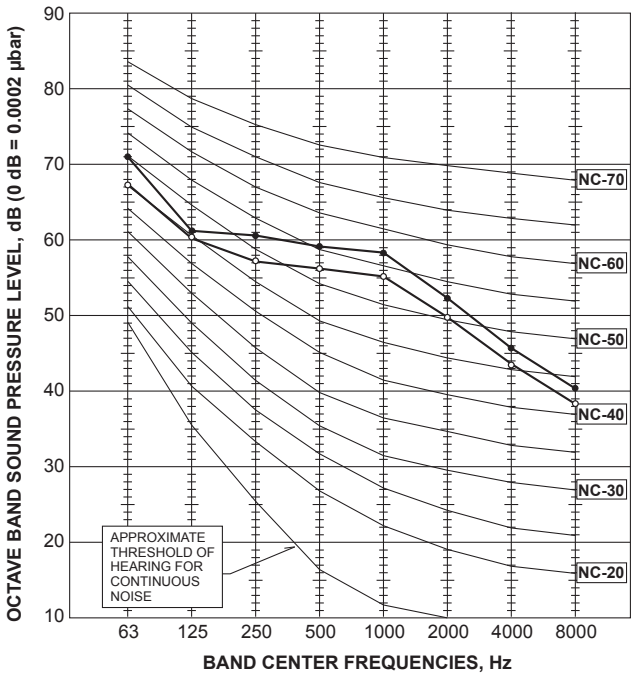
PUHZ-ZRP125VKA3
PUHZ-ZRP125YKA3
PUHZ-ZRP140VKA3
PUHZ-ZRP140YKA3

MODE	SPL(dB)	LINE
COOLING	50	○—○
HEATING	52	●—●



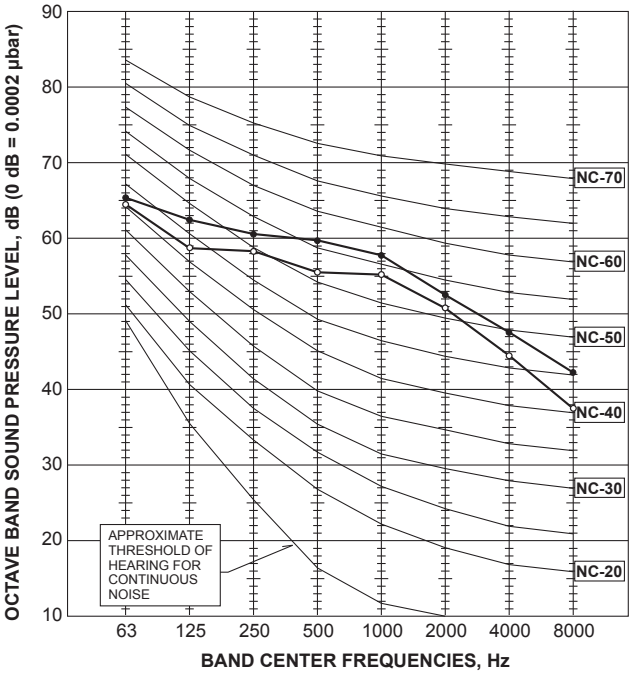
PUHZ-ZRP200YKA3

MODE	SPL(dB)	LINE
COOLING	59	○—○
HEATING	62	●—●

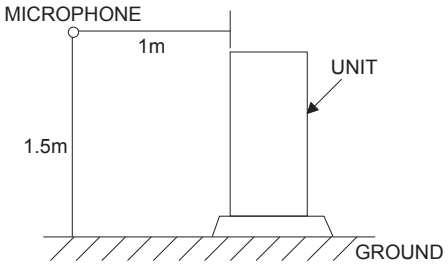


PUHZ-ZRP250YKA3

MODE	SPL(dB)	LINE
COOLING	59	○—○
HEATING	62	●—●



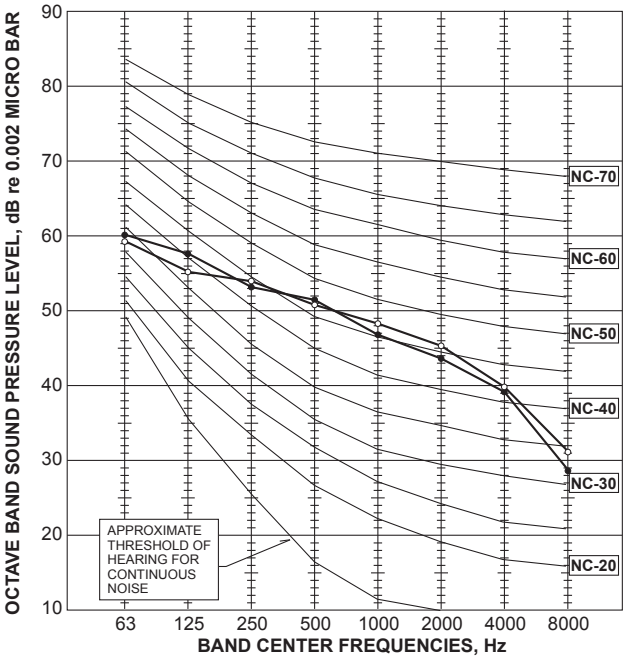
<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.



<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

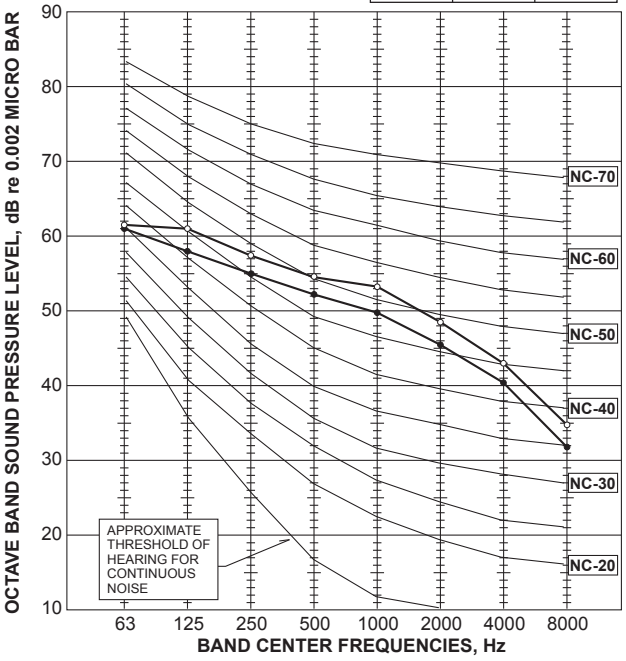
PUHZ-P100VKA
PUHZ-P100YKA

MODE	SPL(dB)	LINE
COOLING	51	●—●
HEATING	54	○—○



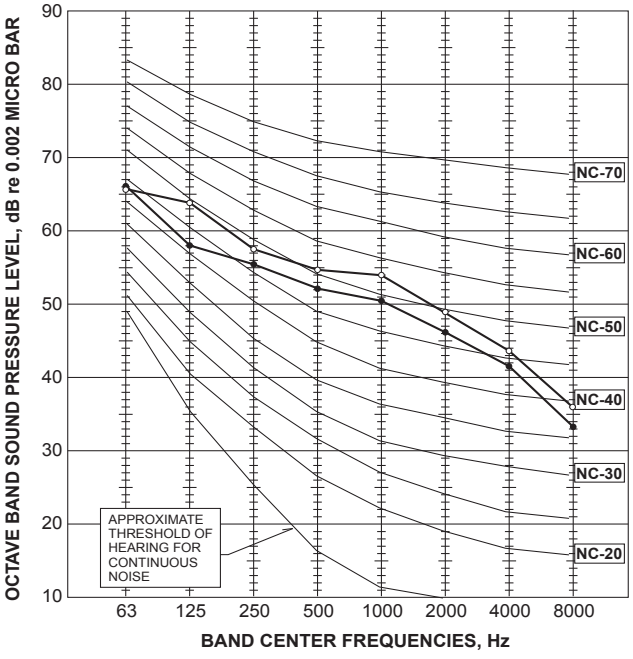
PUHZ-P125VKA
PUHZ-P125YKA

MODE	SPL(dB)	LINE
COOLING	54	●—●
HEATING	56	○—○



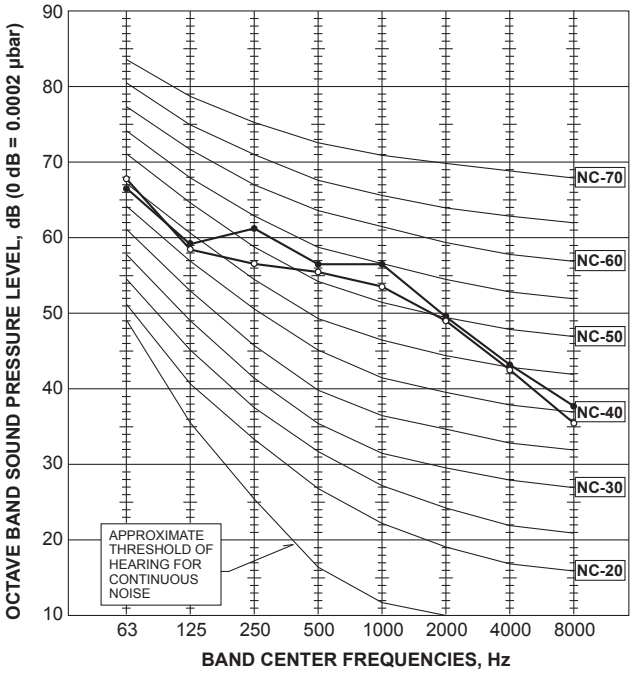
PUHZ-P140VKA
PUHZ-P140YKA

MODE	SPL(dB)	LINE
COOLING	56	●—●
HEATING	57	○—○



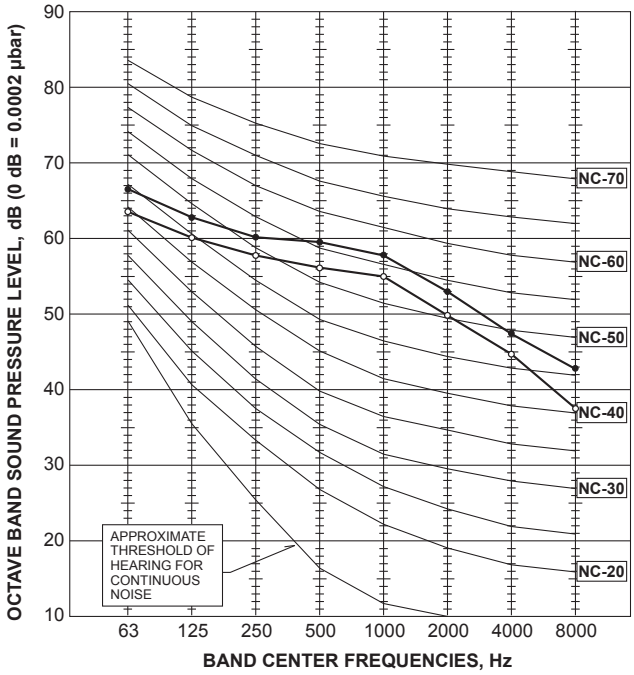
PUHZ-P200YKA3

MODE	SPL(dB)	LINE
COOLING	58	○—○
HEATING	60	●—●



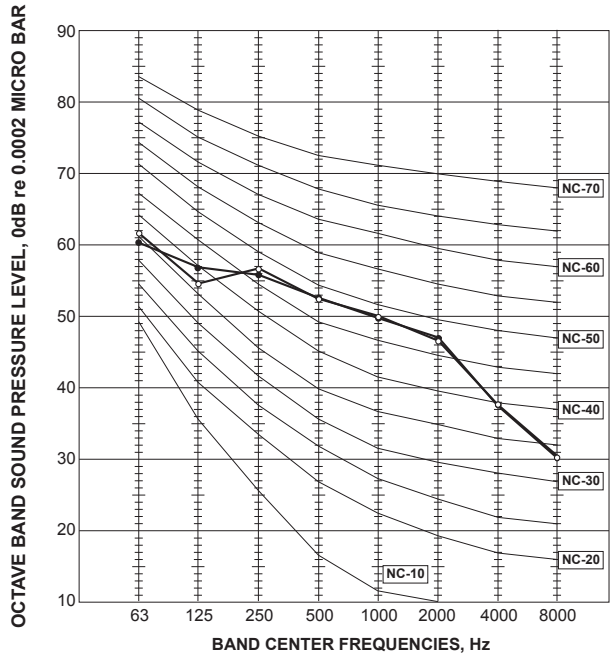
PUHZ-P250YKA3

MODE	SPL(dB)	LINE
COOLING	59	○—○
HEATING	62	●—●



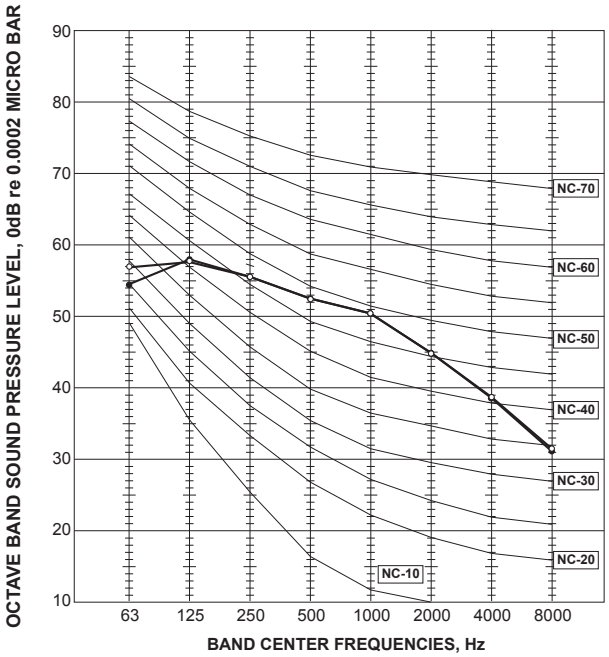
SUZ-SA71VA3

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	55	●—●
	HEATING	55	○—○



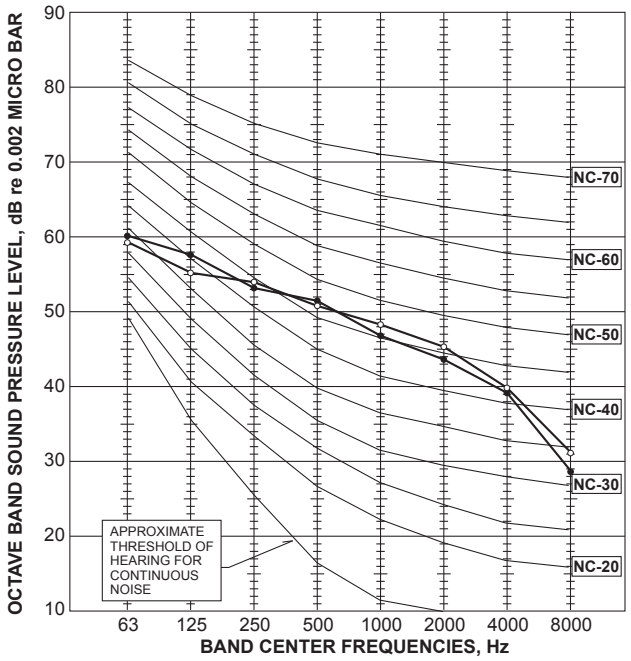
SUZ-SA100VA2

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	55	●—●
	HEATING	55	○—○



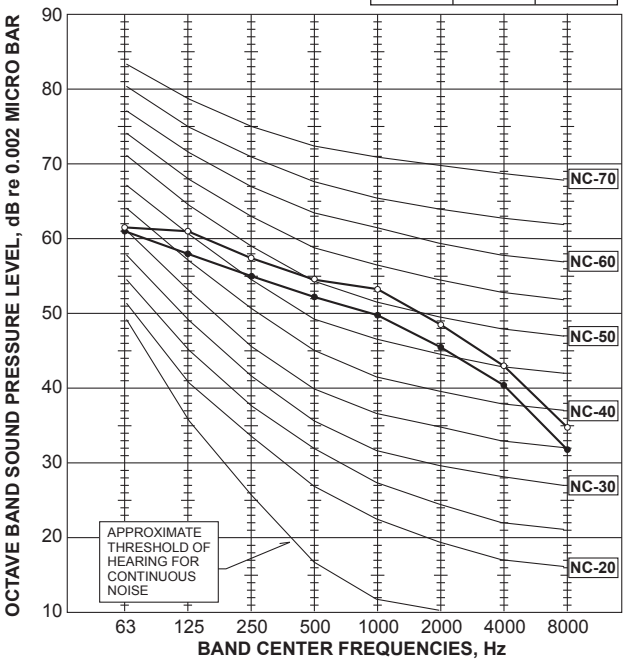
PUHZ-SP100YKA

MODE	SPL(dB)	LINE
COOLING	51	●—●
HEATING	54	○—○



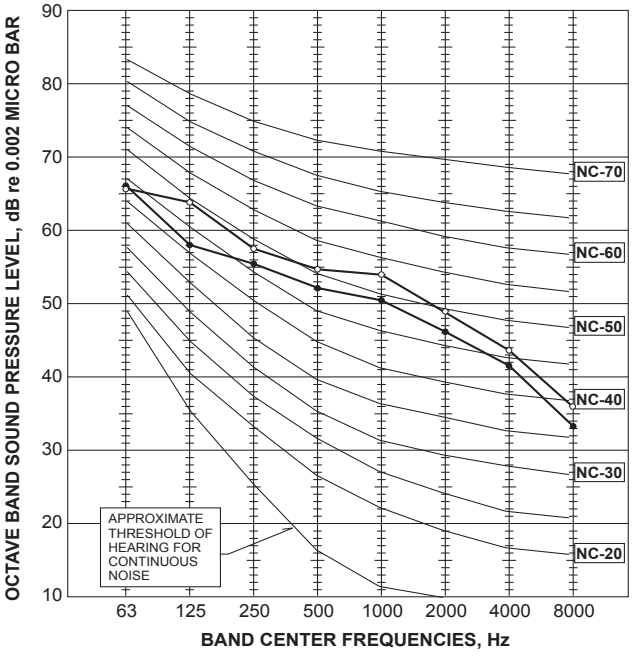
PUHZ-SP125VKA
PUHZ-SP125YKA

MODE	SPL(dB)	LINE
COOLING	54	●—●
HEATING	56	○—○



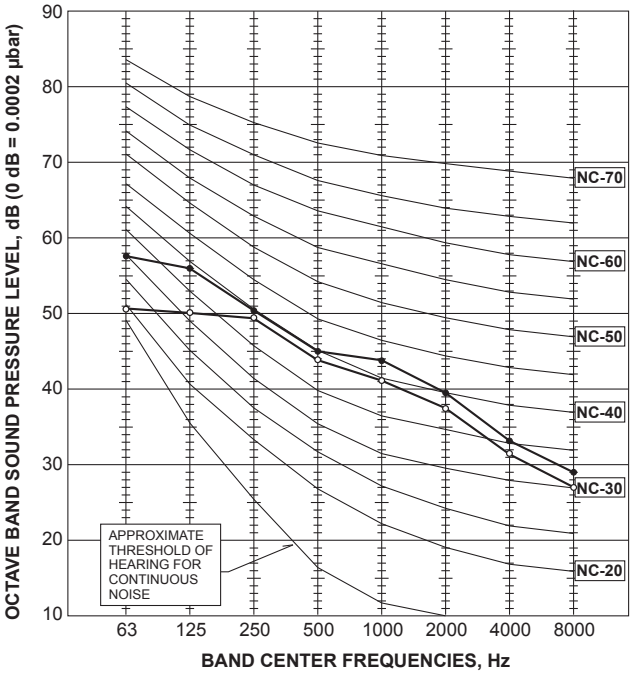
PUHZ-SP140VKA
PUHZ-SP140YKA

MODE	SPL(dB)	LINE
COOLING	56	●—●
HEATING	57	○—○



PUHZ-FRP71VHA2

MODE	SPL(dB)	LINE
ATA Cooling, HR Cooling	47	○—○
ATA Heating, ATW Heating	49	●—●



A.8.6 EARTHQUAKE-PROOF STRENGTH ANALYSIS

A.8.6.1 R32 type

1.Type: Power Inverter Outdoor unit

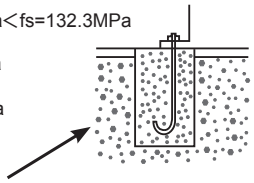
2.Model name: PUZ-ZM35VKA PUZ-ZM50VKA

3.Specification

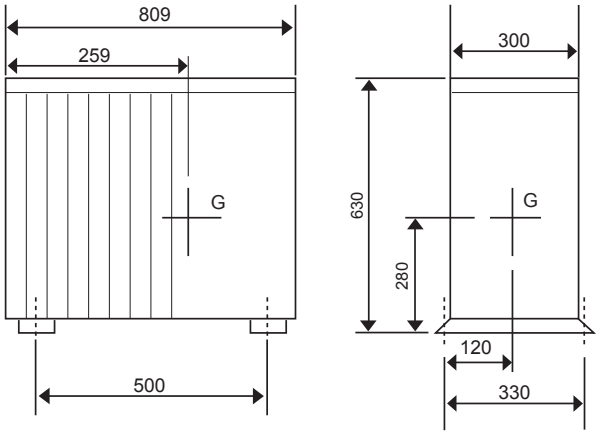
(1) Unit mass	W=	46	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	M="	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	280	mm=	0.280	m	
(4) The bolt-span from the examination angle	L=	330	mm=	0.330	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	120	mm(Lg≦L/2)=	0.12	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	450.8	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	225.4	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	150.3	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	112.7	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	1.9	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	1.4	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	244.7	MPa		
σ= 1.9 MPa	＜ fts=	244.7	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 150	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

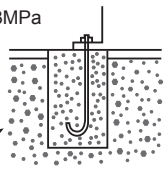
2.Model name: PUZ-ZM60VHA PUZ-ZM71VHA

3.Specification

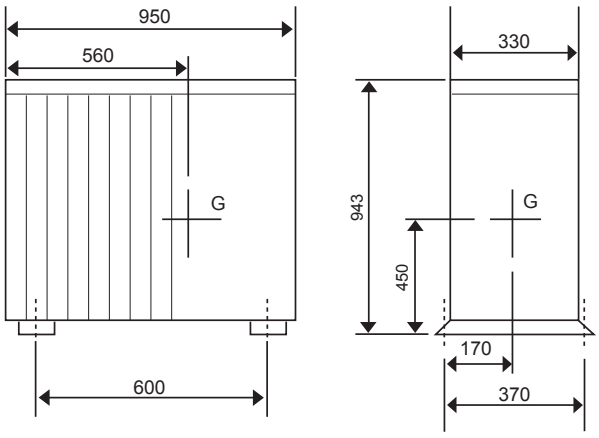
(1) Unit mass	W=	70	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	450	mm=	0.450	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	170	mm(Lg≦L/2)=	0.170	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0				
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5				
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	686.0	N			
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	343.0	N			
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	338.4	N			
(6) The shear forces of the anchor bolt	Q=Fh/N=	171.5	N			
(7) The stress arising to the anchor bolt						
1.The tensile stress.	σ=Rb/A=	4.3	MPa＜ft=176.4MPa			
2.The shearing stress.	τ=Q/A=	2.2	MPa＜fs=132.3MPa			
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	243.4	MPa			
σ= 4.3 MPa	＜ fts=	243.4	MPa			
(8) The construction way of the anchor bolt						
1.The construction way of the anchor bolt.	=	Boxed J type anchor				
2.The thickness of the concrete.	=	120	mm=	0.120	m	
3.The length of buried part of bolt.	=	70	mm=	0.070	m	
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb=	338	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

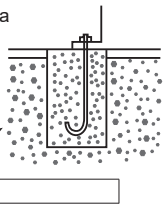
2.Model name: PUZ-ZM100VKA PUZ-ZM125VKA

3.Specification

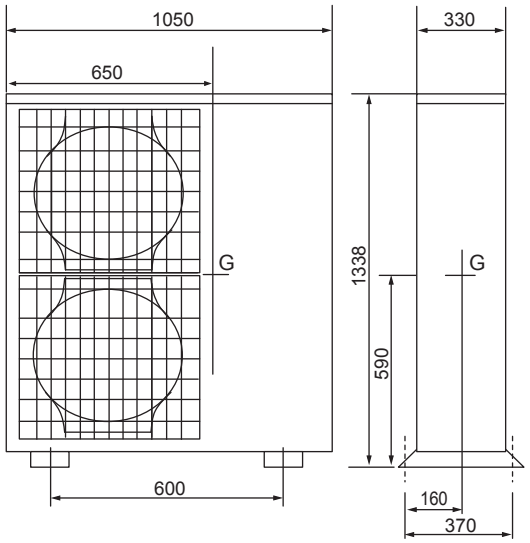
(1) Unit mass	W=	116	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	590	mm=	0.590	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unitL	Lg=	160	mm (Lg≦L/2)=	0.160	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0				
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5				
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1136.8	N			
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	568.4	N			
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	783.5	N			
(6) The shear forces of the anchor bolt	Q=Fh/N=	284.2	N			
(7) The stress arising to the anchor bolt						
1.The tensile stress.	σ=Rb/A=	10.0	MPa＜ft=176.4MPa			
2.The shearing stress.	τ=Q/A=	3.6	MPa＜fs=132.3MPa			
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	241.2	MPa			
σ= 10.0 MPa	＜ fts=	241.2	MPa			
(8) The construction way of the anchor bolt						
1.The construction way of the anchor bolt.	=	Boxed J type anchor				
2.The thickness of the concrete.	=	120	mm=	0.120	m	
3.The length of buried part of bolt.	=	70	mm=	0.070	m	
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb=	783	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

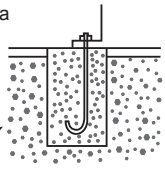
2.Model name: PUZ-ZM140VKA

3.Specification

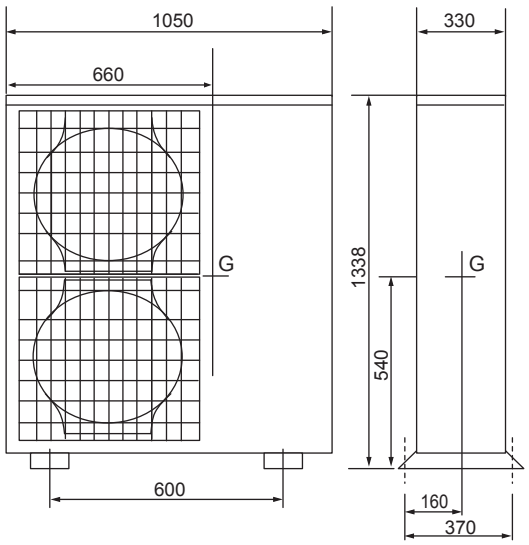
(1) Unit mass	W=	118	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	540	mm=	0.540	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	160	mm(Lg≦L/2)=	0.16	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1156.4	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	578.2	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	718.8	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	289.1	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	9.2	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	3.7	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	241.0	MPa		
σ= 9.2 MPa	＜ fts=	241.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 719	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

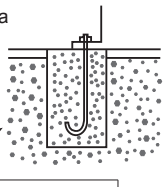
2.Model name: PUZ-ZM100YKA

3.Specification

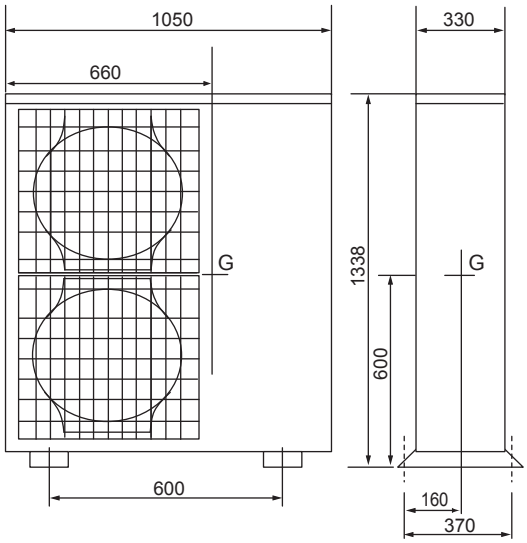
(1) Unit mass	W=	123	kg		
(2) Anchor bolt					
1.The total number of bolts.	N=	4			
2.The size and shape.	"=M	10	type		
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2			
(3) The height between the installing surface and the center of gravity of the unit	Hg=	600	mm=	0.600	m
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	160	mm(Lg≦L/2)=	0.160	m

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0		
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5		
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1205.4	N	
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	602.7	N	
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	847.0	N	
(6) The shear forces of the anchor bolt	Q=Fh/N=	301.4	N	
(7) The stress arising to the anchor bolt				
1.The tensile stress.	σ=Rb/A=	10.9	MPa	＜ft=176.4MPa
2.The shearing stress.	τ=Q/A=	3.9	MPa	＜fs=132.3MPa
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	240.7	MPa	
σ= 10.9 MPa	＜ fts=	240.7	MPa	
(8) The construction way of the anchor bolt				
1.The construction way of the anchor bolt.	=	Boxed J type anchor		
2.The thickness of the concrete.	=	120	mm= 0.120	m
3.The length of buried part of bolt.	=	70	mm= 0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞ Rb= 847	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

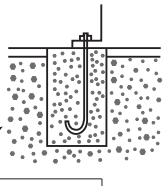
2.Model name: PUZ-ZM125YKA

3.Specification

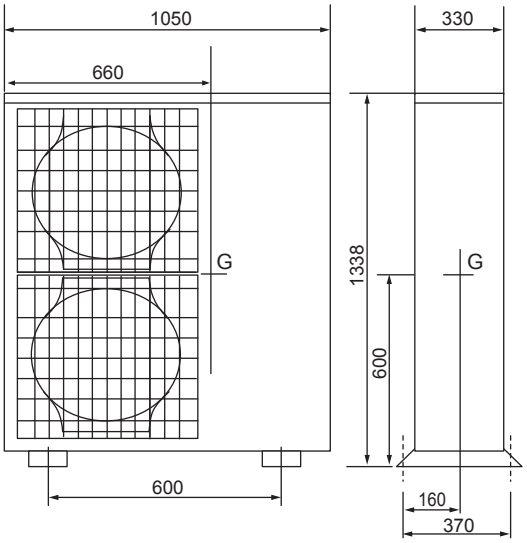
(1) Unit mass	W=	125	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	600	mm=	0.660	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	160	mm(Lg≦L/2)=	0.160	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0				
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5				
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1225.0	N			
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	612.5	N			
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	860.8	N			
(6) The shear forces of the anchor bolt	Q=Fh/N=	306.3	N			
(7) The stress arising to the anchor bolt						
1.The tensile stress.	σ=Rb/A=	11.0	MPa＜ft=176.4MPa			
2.The shearing stress.	τ=Q/A=	3.9	MPa＜fs=132.3MPa			
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	240.7	MPa			
σ= 11.0 MPa	＜ fts=	240.7	MPa			
(8) The construction way of the anchor bolt						
1.The construction way of the anchor bolt.	=	Boxed J type anchor				
2.The thickness of the concrete.	=	120	mm=	0.120	m	
3.The length of buried part of bolt.	=	70	mm=	0.070	m	
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb=	861	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

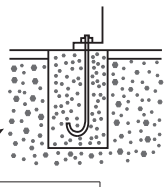
2.Model name: PUHZ-ZM140YKA

3.Specification

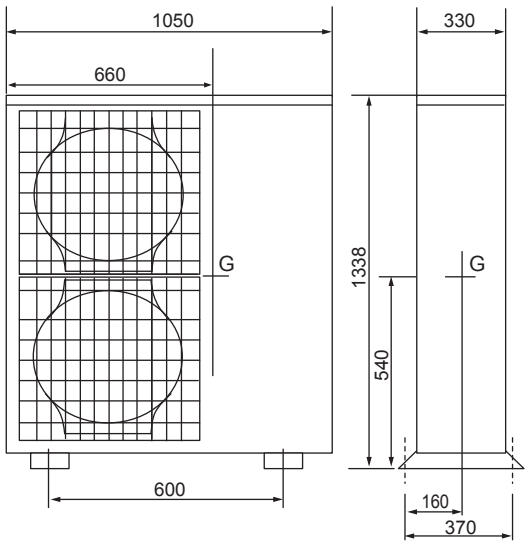
(1) Unit mass	W=	131	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	540	mm=	0.540	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	160	mm(Lg≦L/2)=	0.160	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1283.8	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	641.9	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	798.0	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	321.0	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	10.2	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	4.1	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	240.4	MPa		
σ= 10.2 MPa	＜ fts=	240.4	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 798	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

2.Model name: PUZ-ZM200YKA(.UK)

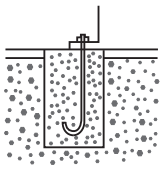
( ):Service Ref.

3.Specification

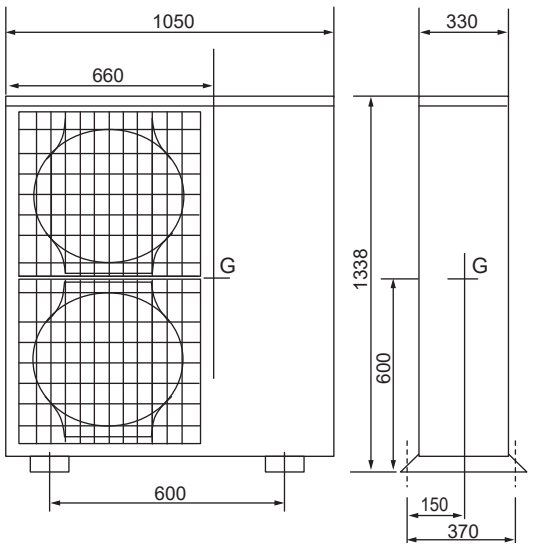
(1) Unit mass	W=	137	kg		
(2) Anchor bolt					
1.The total number of bolts.	N=	4			
2.The size and shape.	"=M	10	type		
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2			
(3) The height between the installing surface and the center of gravity of the unit	Hg=	600	mm=	0.600	m
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	150	mm(Lg≦L/2)=	0.150	m

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0		
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5		
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1342.6	N	
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	671.3	N	
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	952.3	N	
(6) The shear forces of the anchor bolt	Q=Fh/N=	335.7	N	
(7) The stress arising to the anchor bolt				
1.The tensile stress.	σ=Rb/A=	12.2	MPa＜ft=176.4MPa	
2.The shearing stress.	τ=Q/A=	4.3	MPa＜fs=132.3MPa	
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	240.1	MPa	
σ= 12.2 MPa	＜ fts=	240.1	MPa	
(8) The construction way of the anchor bolt				
1.The construction way of the anchor bolt.	=	Boxed J type anchor		
2.The thickness of the concrete.	=	120	mm=	0.120 m
3.The length of buried part of bolt.	=	70	mm=	0.070 m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 953 N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

2.Model name: PUZ-ZM200YKA(R1)

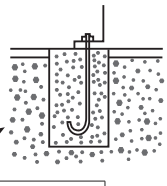
( ):Service Ref.

3.Specification

(1) Unit mass	W=	137	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	590	mm=	0.590	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	165	mm(Lg≦L/2)=	0.165	m	

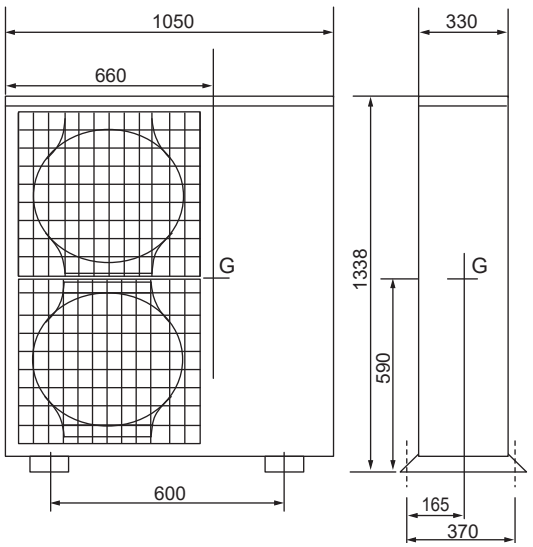
4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1342.6	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	671.3	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	920.8	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	335.7	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	11.8	MPa＜ft=176MPa		
2.The shearing stress.	τ=Q/A=	4.3	MPa＜fs=102MPa		
3.The stress when affected by both the shearing and the tensile at the same time. However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts=1.4ft-1.6τ=	239.5	MPa		
	fts=	176.0	MPa		
σ= 11.8 MPa	＜ fts=	176.0	MPa		



(8) The construction way of the anchor bolt						
1.The construction way of the anchor bolt.	=	Boxed J type anchor				
2.The thickness of the concrete.	=	120	mm=	0.120	m	
3.The length of buried part of bolt.	=	70	mm=	0.070	m	
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb=	920.8	N

Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

2.Model name: PUZ-ZM250YKA(.UK)

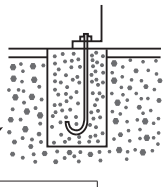
( ):Service Ref.

3.Specification

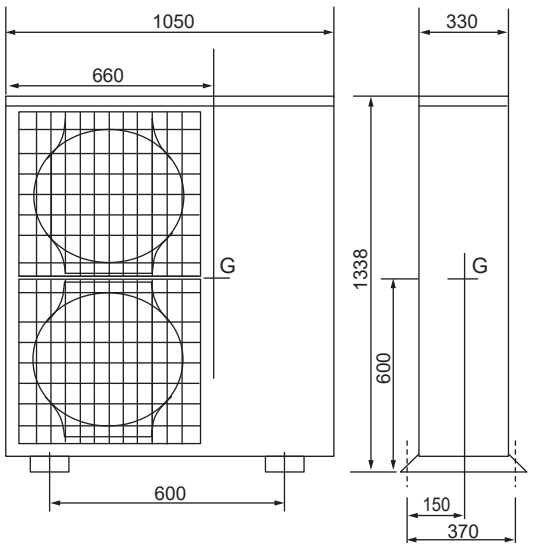
(1) Unit mass	W=	138	kg		
(2) Anchor bolt					
1.The total number of bolts.	N=	4			
2.The size and shape.	"=M	10	type		
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2			
(3) The height between the installing surface and the center of gravity of the unit	Hg=	600	mm=	0.600	m
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	150	mm(Lg≦L/2)=	0.150	m

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0		
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5		
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1352.4	N	
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	676.2	N	
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	959.5	N	
(6) The shear forces of the anchor bolt	Q=Fh/N=	338.1	N	
(7) The stress arising to the anchor bolt				
1.The tensile stress.	σ=Rb/A=	12.3	MPa＜ft=176.4MPa	
2.The shearing stress.	τ=Q/A=	4.3	MPa＜fs=132.3MPa	
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	240.1	MPa	
σ= 12.3 MPa	＜ fts=	240.1	MPa	
(8) The construction way of the anchor bolt				
1.The construction way of the anchor bolt.	=	Boxed J type anchor		
2.The thickness of the concrete.	=	120	mm=	0.120 m
3.The length of buried part of bolt.	=	70	mm=	0.070 m
4.The permissible withdrawal weight.	Ta=	3136 N	＞	Rb= 959 N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

2.Model name: PUZ-ZM250YKA(R1)

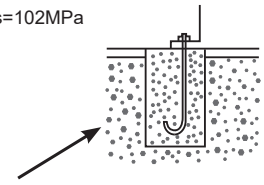
( ):Service Ref.

3.Specification

(1) Unit mass	W=	138	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	590	mm=	0.590	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	165	mm(Lg≦L/2)=	0.165	m	

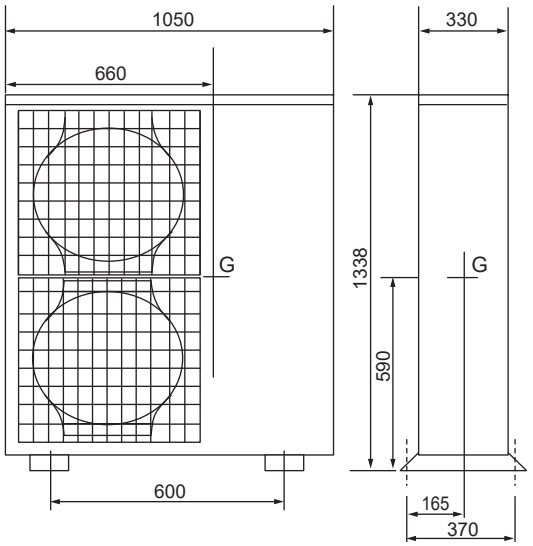
4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1352.4	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	676.2	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	927.5	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	338.1	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	11.9	MPa＜ft=176MPa		
2.The shearing stress.	τ=Q/A=	4.3	MPa＜fs=102MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	239.5	MPa		
However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts=	176.0	MPa		
σ= 11.9 MPa	＜ fts=	176.0	MPa		



(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 927.5	N

Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

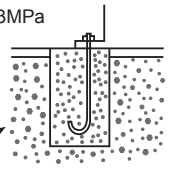
2.Model name: PUZ-M100VKA PUZ-SM100VKA

3.Specification

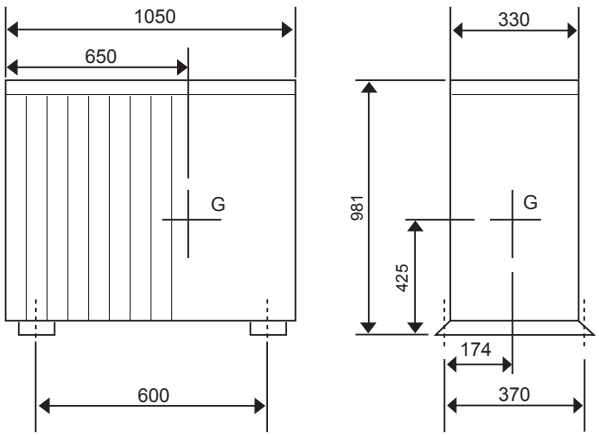
(1) Unit mass	W=	76	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	M="	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	425	mm=	0.425	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	174	mm(Lg≦L/2)=	0.174	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	744.8	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	372.4	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	340.2	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	186.2	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	4.4	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	2.4	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	243.1	MPa		
σ= 4.4 MPa	＜ fts=	243.1	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 340	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

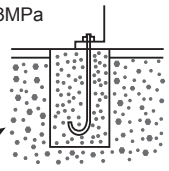
2.Model name: PUZ-M125VKA PUZ-M140VKA PUZ-SM125VKA PUZ-SM140VKA

3.Specification

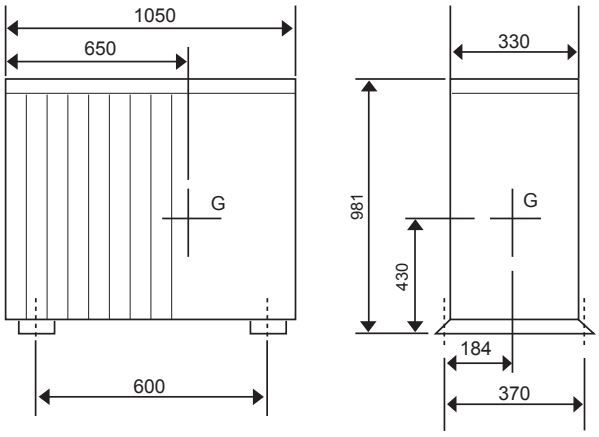
(1) Unit mass	W=	84	kg		
(2) Anchor bolt					
1.The total number of bolts.	N=	4			
2.The size and shape.	"=M	10	type		
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2			
(3) The height between the installing surface and the center of gravity of the unit	Hg=	430	mm=	0.430	m
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	184	mm(Lg≦L/2)=	0.184	m

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0		
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5		
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	823.2	N	
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	411.6	N	
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh \cdot Hg-(W \cdot 9.8-Fv) \cdot Lg}{L \cdot Nt}$	=	375.0	N	
(6) The shear forces of the anchor bolt	Q=Fh/N=	205.8	N	
(7) The stress arising to the anchor bolt				
1.The tensile stress.	σ=Rb/A=	4.8	MPa＜ft=176.4MPa	
2.The shearing stress.	τ=Q/A=	2.6	MPa＜fs=132.3MPa	
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	242.8	MPa	
σ= 4.8 MPa	＜ fts=	242.8	MPa	
(8) The construction way of the anchor bolt				
1.The construction way of the anchor bolt.	=	Boxed J type anchor		
2.The thickness of the concrete.	=	120	mm= 0.120	m
3.The length of buried part of bolt.	=	70	mm= 0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞ Rb= 376	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

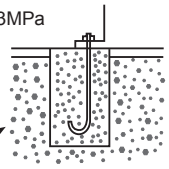
2.Model name: PUZ-M100YKA PUZ-SM100YKA

3.Specification

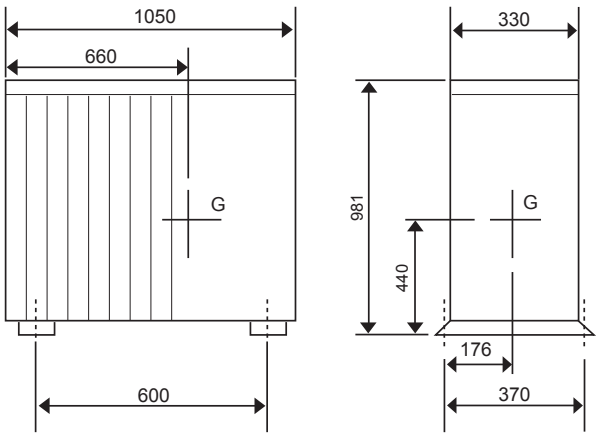
(1) Unit mass	W=	78	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	M="	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	440	mm=	0.440	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	176	mm(Lg≦L/2)=	0.176	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	764.4	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	382.2	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	363.6	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	191.1	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	4.7	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	2.5	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	243.0	MPa		
σ= 4.7 MPa	＜ fts=	243.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 364	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

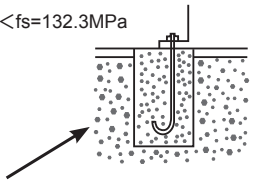
2.Model name: PUZ-M125YKA PUZ-M140YKA PUZ-SM125YKA PUZ-SM140YKA

3.Specification

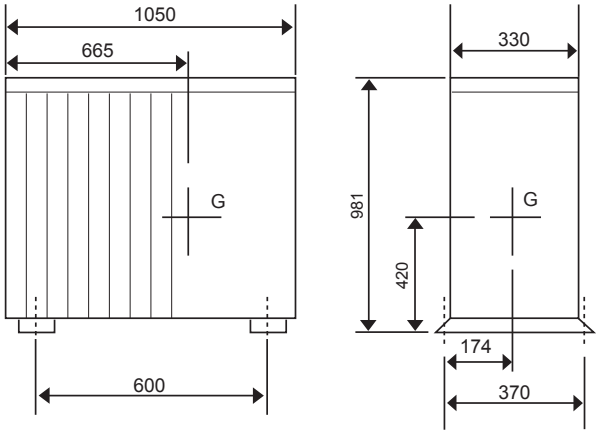
(1) Unit mass	W=	85	kg		
(2) Anchor bolt					
1.The total number of bolts.	N=	4			
2.The size and shape.	"=M	10	type		
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2			
(3) The height between the installing surface and the center of gravity of the unit	Hg=	420	mm=	0.420	m
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	174	mm(Lg≦L/2)=	0.174	m

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0		
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5		
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	833.0	N	
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	416.5	N	
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh \cdot Hg-(W \cdot 9.8-Fv) \cdot Lg}{L \cdot Nt}$	=	374.9	N	
(6) The shear forces of the anchor bolt	Q=Fh/N=	208.3	N	
(7) The stress arising to the anchor bolt				
1.The tensile stress.	σ=Rb/A=	4.8	MPa＜ft=176.4MPa	
2.The shearing stress.	τ=Q/A=	2.7	MPa＜fs=132.3MPa	
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	242.6	MPa	
σ= 4.8 MPa	＜ fts=	242.6	MPa	
(8) The construction way of the anchor bolt				
1.The construction way of the anchor bolt.	=	Boxed J type anchor		
2.The thickness of the concrete.	=	120	mm= 0.120	m
3.The length of buried part of bolt.	=	70	mm= 0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞ Rb= 375	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Standard Inverter Outdoor unit

2.Model name: PUZ-M200YKA(.UK)

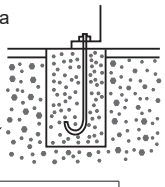
( ):Service Ref.

3.Specification

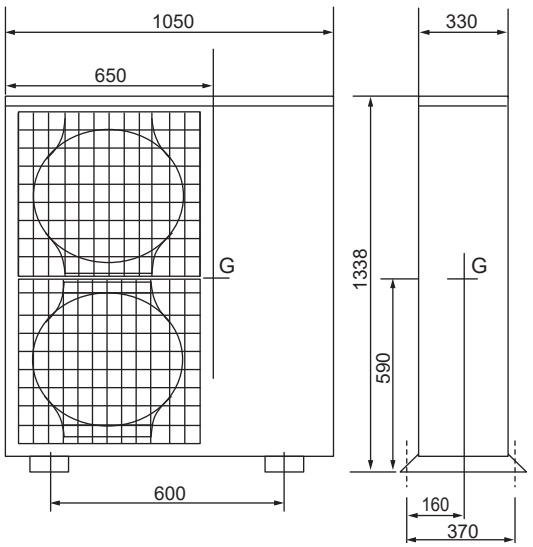
(1) Unit mass	W=	129	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	590	mm=	0.590	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	160	mm(Lg≦L/2)=	0.160	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1264.2	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	632.1	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh \cdot Hg-(W \cdot 9.8-Fv) \cdot Lg}{L \cdot Nt}$	=	871.3	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	316.1	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	11.2	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	4.1	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	240.4	MPa		
σ= 11.2 MPa	＜ fts=	176.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 871	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Standard Inverter Outdoor unit

2.Model name: PUZ-M200YKA(R1)

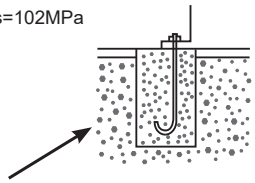
( ):Service Ref.

3.Specification

(1) Unit mass	W=	129	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	566	mm=	0.566	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	165	mm(Lg≦L/2)=	0.165	m	

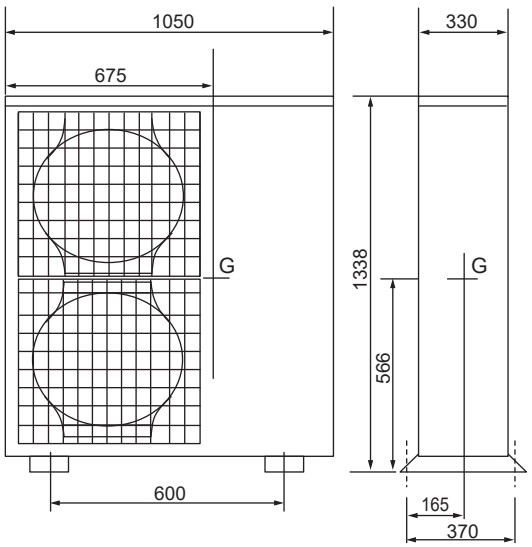
4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1264.2	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	632.1	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh \cdot Hg-(W \cdot 9.8-Fv) \cdot Lg}{L \cdot Nt}$	=	826.0	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	316.1	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	10.6	MPa＜ft=176MPa		
2.The shearing stress.	τ=Q/A=	4.1	MPa＜fs=102MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	239.8	MPa		
However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts=	176.0	MPa		
σ= 10.6 MPa	＜ fts=	176.0	MPa		



(8) The construction way of the anchor bolt						
1.The construction way of the anchor bolt.	=	Boxed J type anchor				
2.The thickness of the concrete.	=	120	mm=	0.120	m	
3.The length of buried part of bolt.	=	70	mm=	0.070	m	
4.The permissible withdrawal weight.	Ta=	3136	N	＞	Rb=	826.0 N

Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Standard Inverter Outdoor unit

2.Model name: PUZ-M250YKA(.UK)

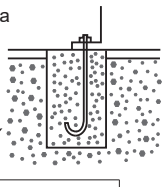
( ):Service Ref.

3.Specification

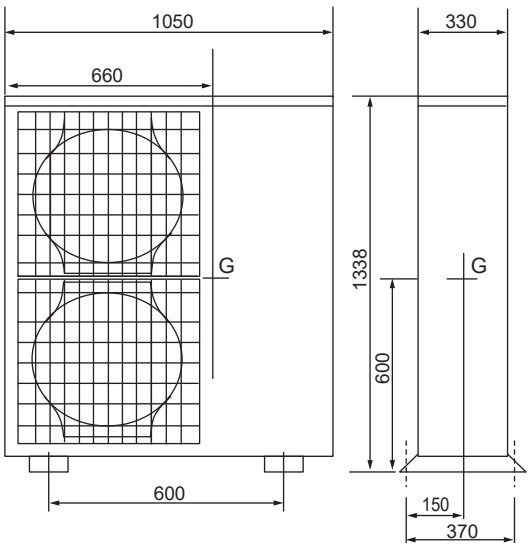
(1) Unit mass	W=	138	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	600	mm=	0.600	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	150	mm(Lg≦L/2)=	0.150	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0				
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5				
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1352.4	N			
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	676.2	N			
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	959.5	N			
(6) The shear forces of the anchor bolt	Q=Fh/N=	338.1	N			
(7) The stress arising to the anchor bolt						
1.The tensile stress.	σ=Rb/A=	12.3	MPa＜ft=176.4MPa			
2.The shearing stress.	τ=Q/A=	4.3	MPa＜fs=132.3MPa			
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	240.1	MPa			
σ= 12.3 MPa	＜ fts=	176.0	MPa			
(8) The construction way of the anchor bolt						
1.The construction way of the anchor bolt.	=	Boxed J type anchor				
2.The thickness of the concrete.	=	120	mm=	0.120	m	
3.The length of buried part of bolt.	=	70	mm=	0.070	m	
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb=	959	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Standard Inverter Outdoor unit

2.Model name: PUZ-M250YKA(R1)

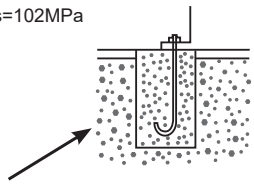
( ):Service Ref.

3.Specification

(1) Unit mass	W=	138	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	590	mm=	0.590	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	165	mm(Lg≦L/2)=	0.165	m	

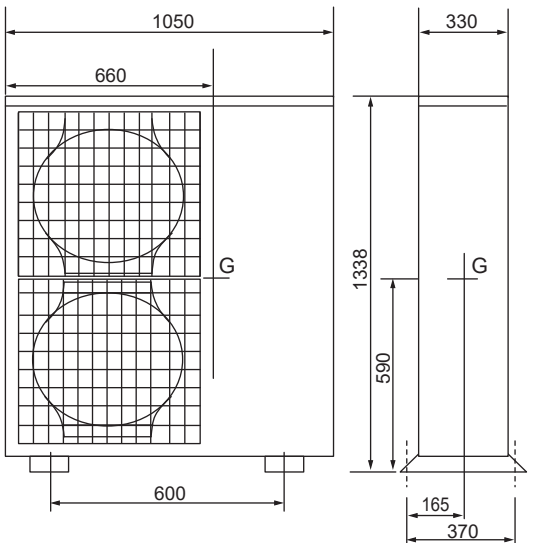
4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1352.4	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	676.2	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	927.5	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	338.1	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	11.9	MPa＜ft=176MPa		
2.The shearing stress.	τ=Q/A=	4.3	MPa＜fs=102MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	239.5	MPa		
However fts equals fts' when fts' less than or equal to ft, and fts equal ft when fts' is greater ft.	fts=	176.0	MPa		
σ= 11.9 MPa	＜ fts=	176.0	MPa		



(8) The construction way of the anchor bolt						
1.The construction way of the anchor bolt.	=	Boxed J type anchor				
2.The thickness of the concrete.	=	120	mm=	0.120	m	
3.The length of buried part of bolt.	=	70	mm=	0.070	m	
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb=	927.5	N

Since the results from the examination above, the anchor bolt has enough strength.



Earthquake-proof strength analysis <Anchor bolt>

1.Type: Economy Inverter Outdoor unit

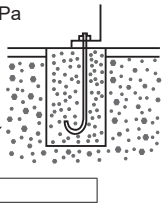
2.Model name: SUZ-SM71VA

3.Specification

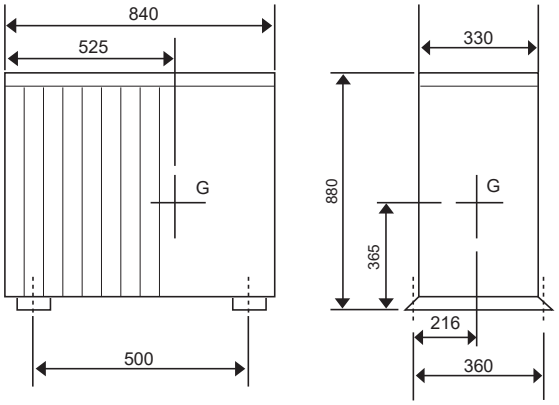
(1) Unit mass	W=	55	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	365	mm=	0.365	m	
(4) The bolt-span from the examination angle	L=	360	mm=	0.360	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	216	mm(Lg≦L/2)=	0.216	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh･W･9.8=	539.0	N		
(4) The vertical earthquake forces for designing	Fv=Kv･W･9.8=	269.5	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	192.4	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	134.8	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	2.5	MPa	＜ft=176.4MPa	
2.The shearing stress.	τ=Q/A=	1.7	MPa	＜fs=132.3MPa	
3.The stress when affected by both the shearing and the tensile at the same time. fts=1.4ft-1.6τ=		244.2	MPa		
σ= 2.5 MPa	＜ fts=	244.2	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb 192	N



Since the results from the examination above, the anchor bolt has enough strength



A.8.6.2 R410A type

1.Type: ZUBADAN Outdoor unit

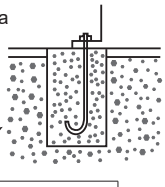
2.Model name: PUHZ-SHW112VHA(-BS)

3.Specification

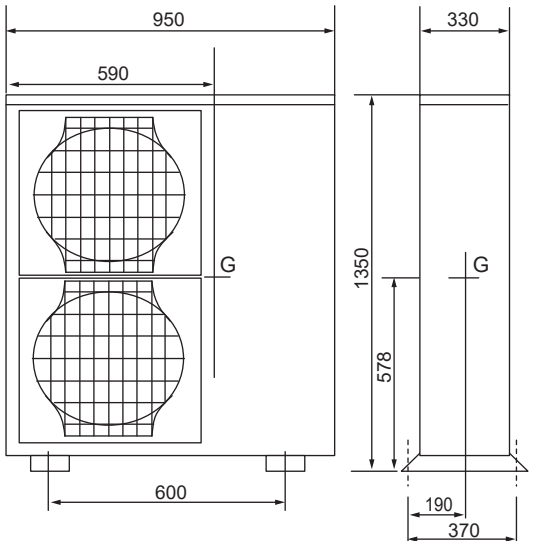
(1) Unit mass	W=	120	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	578	mm=	0.578	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	190	mm(Lg≦L/2)=	0.190	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0				
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5				
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1176.0	N			
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	588.0	N			
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	767.6	N			
(6) The shear forces of the anchor bolt	Q=Fh/N=	294.0	N			
(7) The stress arising to the anchor bolt						
1.The tensile stress.	σ=Rb/A=	9.8	MPa＜ft=176.4MPa			
2.The shearing stress.	τ=Q/A=	3.8	MPa＜fs=132.3MPa			
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	240.9	MPa			
σ= 9.8 MPa	＜ fts=	240.9	MPa			
(8) The construction way of the anchor bolt						
1.The construction way of the anchor bolt.	=	Boxed J type anchor				
2.The thickness of the concrete.	=	120	mm=	0.120	m	
3.The length of buried part of bolt.	=	70	mm=	0.070	m	
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb=	768	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: ZUBADAN Outdoor unit

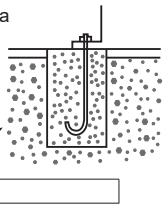
2.Model name: PUHZ-SHW112YHA(-BS) PUHZ-SHW140YHA(-BS)

3.Specification

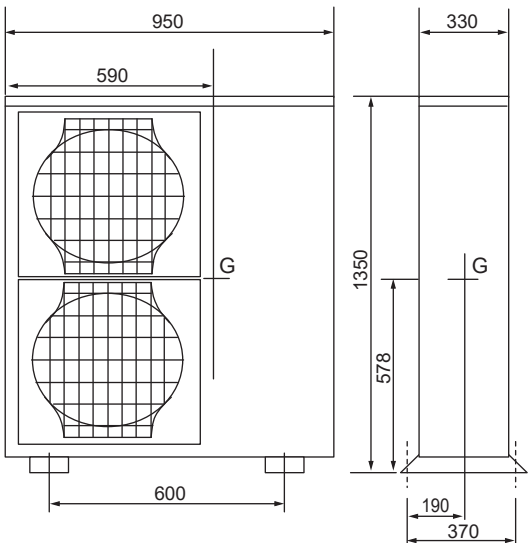
(1) Unit mass	W=	134	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	578	mm=	0.578	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	190	mm(Lg≦L/2)=	0.190	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1313.2	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	656.6	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh \cdot Hg-(W \cdot 9.8-Fv) \cdot Lg}{L \cdot Nt}$	=	853.6	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	328.3	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	10.9	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	4.2	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	240.2	MPa		
σ= 10.9 MPa	＜ fts=	240.2	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 854	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: ZUBADAN Outdoor unit

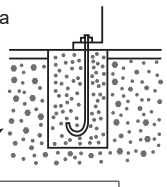
2.Model name: PUHZ-SHW230YKA2

3.Specification

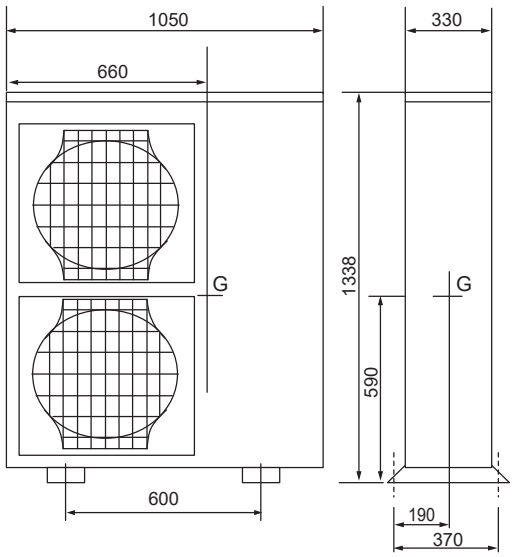
(1) Unit mass	W=	149	kg			
(2) Anchor bolt						
1.The total number of bolts	N=	4				
2.The size and shape	"=M	10	type			
3.The axis section area per one bolt	A=	78	mm^2=	78 ×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	590	mm=	0.590	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	190	mm(Lg≦L/2)=	0.190	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0				
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5				
(3) The horizontal earthquake forces for designing	Fh=Kh･W･9.8=	1460.2	N			
(4) The vertical earthquake forces for designing	Fv=Kv･W･9.8=	730.1	N			
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh･Hg-(W･9.8-Fv)･Lg}{L･Nt}$	=	976.8	N			
(6) The shear forces of the anchor bolt	Q=Fh/N=	365.1	N			
(7) The stress arising to the anchor bolt						
1.The tensile stress	σ=Rb/A=	12.5	MPa＜ft=176.4MPa			
2.The shearing stress	τ=Q/A=	4.7	MPa＜fs=132.3MPa			
3.The stress when affected by both the shearing and the tensile at the same time	fts=1.4ft-1.6τ=	239.4	MPa			
σ= 12.5 MPa	＜ fts=	239.4	MPa			
(8) The construction way of the anchor bolt						
1.The construction way of the anchor bolt	=	Boxed J type anchor				
2.The thickness of the concrete	=	120	mm=	0.120	m	
3.The length of buried part of bolt	=	70	mm=	0.070	m	
4.The permissible withdrawal weight	Ta=	3136	N	＞	Rb=	977 N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

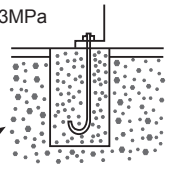
2.Model name: PUHZ-ZRP35VKA2

3.Specification

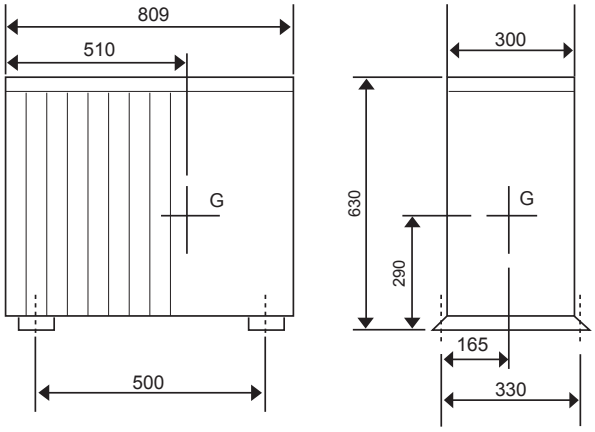
(1) Unit mass	W=	43	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	290	mm=	0.290	m	
(4) The bolt-span from the examination angle	L=	330	mm=	0.330	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	165	mm(Lg≦L/2)=	0.165	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0				
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5				
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	421.4	N			
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	210.7	N			
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	132.5	N			
(6) The shear forces of the anchor bolt	Q=Fh/N=	105.4	N			
(7) The stress arising to the anchor bolt						
1.The tensile stress.	σ=Rb/A=	1.7	MPa＜ft=176.4MPa			
2.The shearing stress.	τ=Q/A=	1.4	MPa＜fs=132.3MPa			
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	244.7	MPa			
σ= 1.7 MPa	＜ fts=	244.7	MPa			
(8) The construction way of the anchor bolt						
1.The construction way of the anchor bolt.	=	Boxed J type anchor				
2.The thickness of the concrete.	=	120	mm=	0.120	m	
3.The length of buried part of bolt.	=	70	mm=	0.070	m	
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb=	132	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

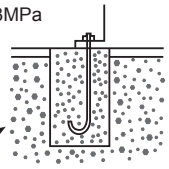
2.Model name: PUHZ-ZRP50VKA2

3.Specification

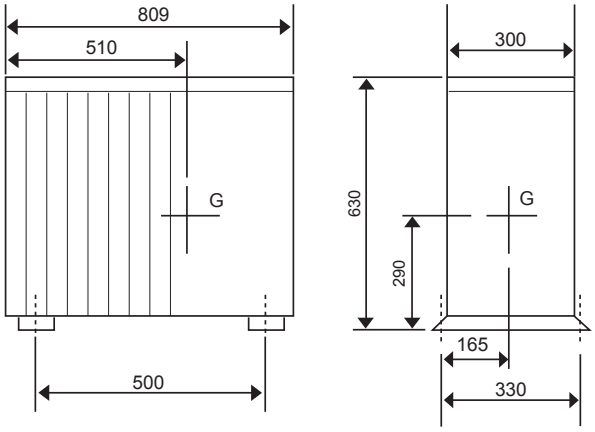
(1) Unit mass	W=	46	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	290	mm=	0.290	m	
(4) The bolt-span from the examination angle	L=	330	mm=	0.330	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	165	mm(Lg≦L/2)=	0.165	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	450.8	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	225.4	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh \cdot Hg-(W \cdot 9.8-Fv) \cdot Lg}{L \cdot Nt}$	=	141.7	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	112.7	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	1.8	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	1.4	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	244.7	MPa		
σ= 1.8 MPa	＜ fts=	244.7	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 142	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

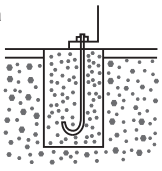
2.Model name: PUHZ-ZRP60VHA2 PUHZ-ZRP71VHA2

3.Specification

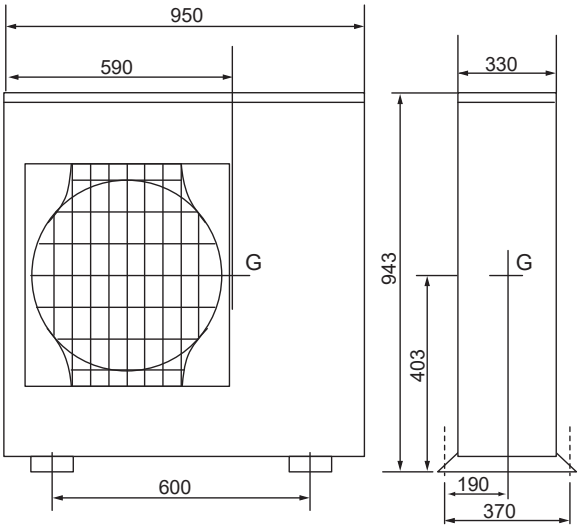
(1) Unit mass	W=	70	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	403	mm=	0.403	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	190	mm(Lg≦L/2)=	0.190	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	686.0	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	343.0	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh \cdot Hg-(W \cdot 9.8-Fv) \cdot Lg}{L \cdot Nt}$	=	285.5	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	171.5	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	3.7	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	2.2	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	243.4	MPa		
σ= 3.7 MPa	＜ fts=	243.4	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 286	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

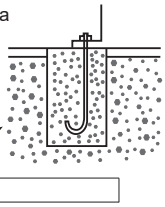
2.Model name: PUHZ-ZRP100VKA3 PUHZ-ZRP125VKA3

3.Specification

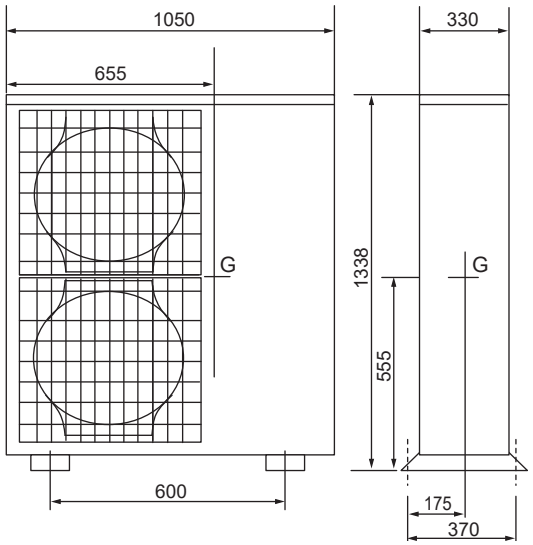
(1) Unit mass	W=	116	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	555	mm=	0.555	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	175	mm(Lg≦L/2)=	0.175	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0				
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5				
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1136.8	N			
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	568.4	N			
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	718.2	N			
(6) The shear forces of the anchor bolt	Q=Fh/N=	284.2	N			
(7) The stress arising to the anchor bolt						
1.The tensile stress.	σ=Rb/A=	9.2	MPa＜ft=176.4MPa			
2.The shearing stress.	τ=Q/A=	3.6	MPa＜fs=132.3MPa			
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	241.2	MPa			
σ= 9.2 MPa	＜ fts=	241.2	MPa			
(8) The construction way of the anchor bolt						
1.The construction way of the anchor bolt.	=	Boxed J type anchor				
2.The thickness of the concrete.	=	120	mm=	0.120	m	
3.The length of buried part of bolt.	=	70	mm=	0.070	m	
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb=	703	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

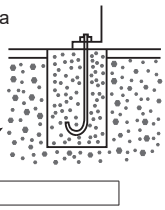
2.Model name: PUHZ-ZRP140VKA3

3.Specification

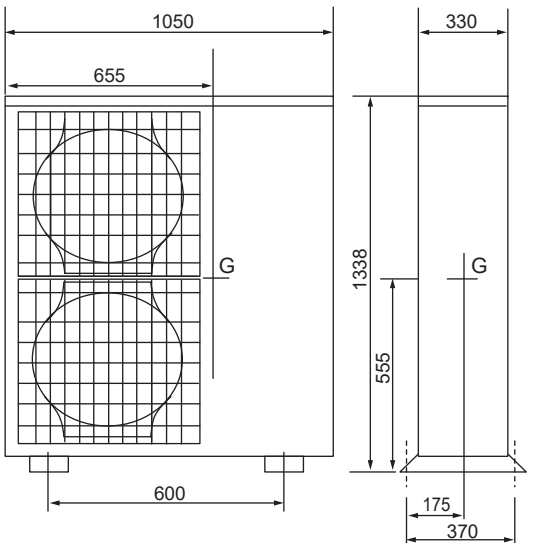
(1) Unit mass	W=	118	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	555	mm=	0.555	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	175	mm(Lg≦L/2)=	0.175	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1156.4	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	578.2	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	730.6	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	289.1	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	9.4	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	3.7	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	241.0	MPa		
σ= 9.4 MPa	＜ fts=	241.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 731	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

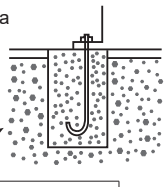
2.Model name: PUHZ-ZRP100YKA3

3.Specification

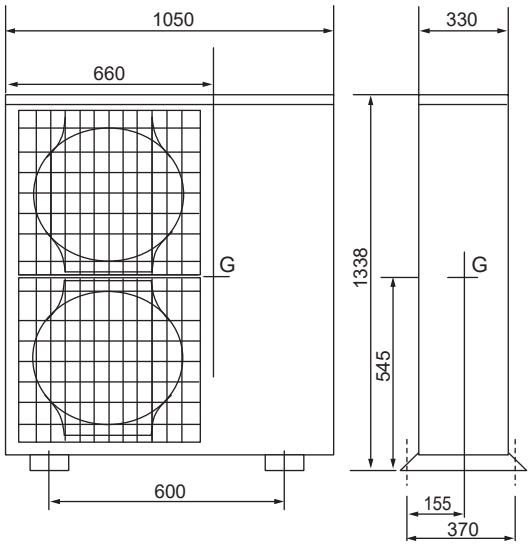
(1) Unit mass	W=	123	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	545	mm=	0.545	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	155	mm(Lg≦L/2)=	0.155	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1205.4	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	602.7	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	761.5	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	301.4	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	9.8	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	3.9	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	240.7	MPa		
σ= 9.8 MPa	＜ fts=	240.7	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 762	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

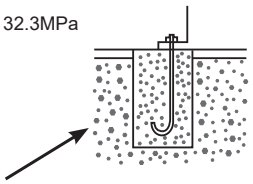
2.Model name: PUHZ-ZRP125YKA3

3.Specification

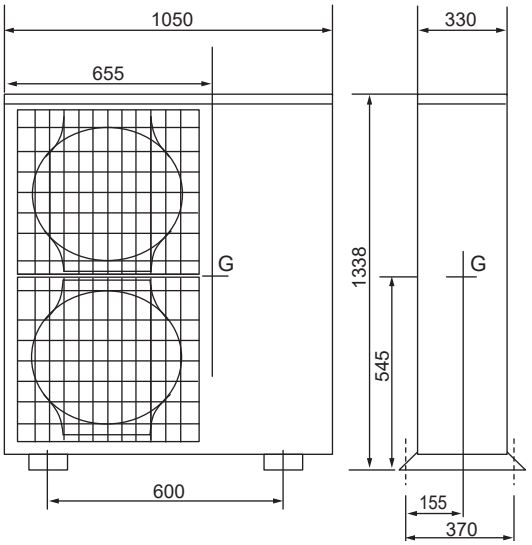
(1) Unit mass	W=	125	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	545	mm=	0.545	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	155	mm(Lg≦L/2)=	0.155	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1225.0	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	612.5	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	773.9	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	306.3	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	9.9	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	3.9	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	240.7	MPa		
σ= 9.9 MPa	＜ fts=	240.7	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 774	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

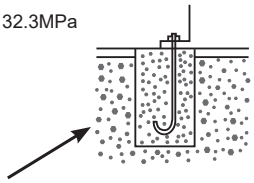
2.Model name: PUHZ-ZRP140YKA3

3.Specification

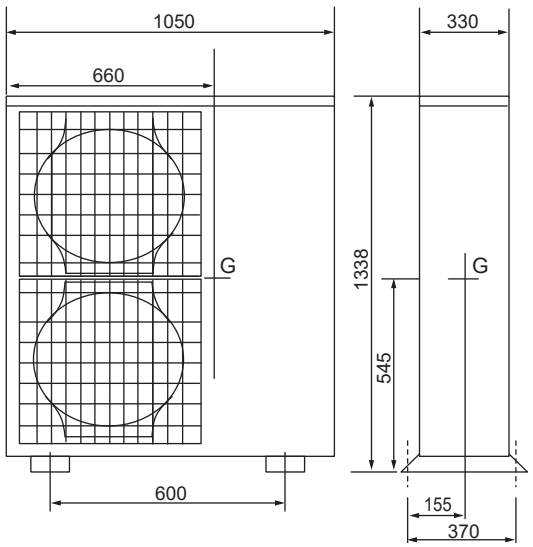
(1) Unit mass	W=	131	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	545	mm=	0.545	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	155	mm(Lg≦L/2)=	0.155	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1283.8	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	641.9	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	811.0	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	321.0	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	10.4	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	4.1	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	240.4	MPa		
σ= 10.4 MPa	＜ fts=	240.4	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 811	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Power Inverter Outdoor unit

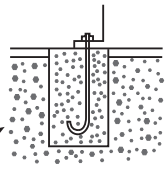
2.Model name: PUHZ-ZRP200YKA3 PUHZ-ZRP250YKA3

3.Specification

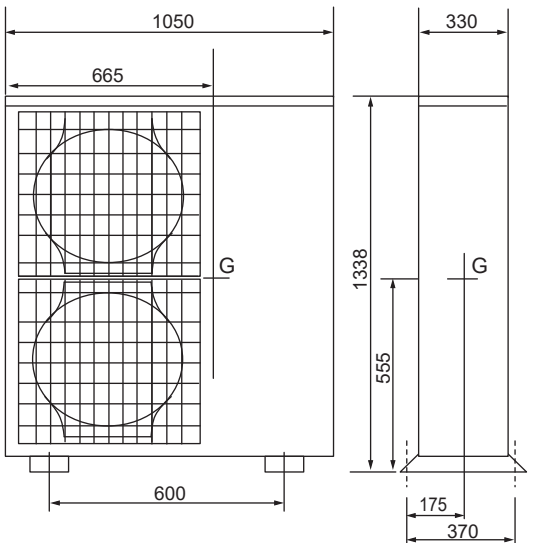
(1) Unit mass	W=	135	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	555	mm=	0.555	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	175	mm(Lg≦L/2)=	0.175	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1323.0	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	661.5	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	838.5	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	330.8	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	10.7	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	4.2	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	240.2	MPa		
σ= 10.7 MPa	＜ fts=	240.2	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 838	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Standard Inverter Outdoor unit

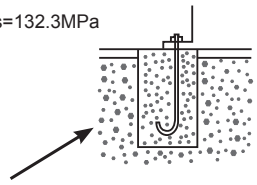
2.Model name: PUHZ-P100VKA

3.Specification

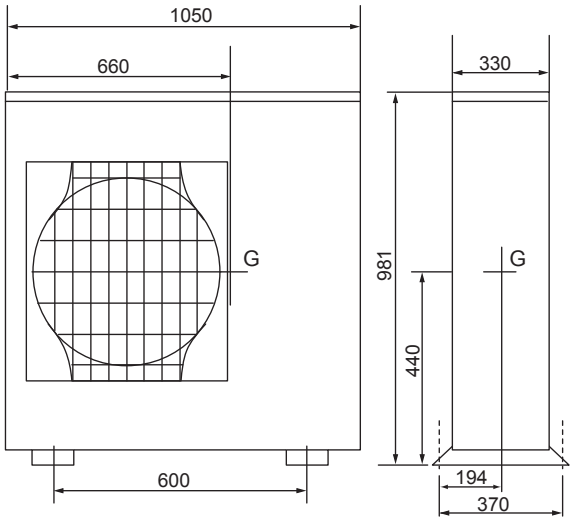
(1) Unit mass	W=	76	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	440	mm=	0.440	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	194	mm(Lg≦L/2)=	0.194	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	744.8	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	372.4	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	345.2	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	186.2	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	4.4	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	2.4	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	243.1	MPa		
σ= 4.4 MPa	＜ fts=	243.1	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 345.2	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Standard Inverter Outdoor unit

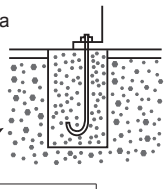
2.Model name: PUHZ-P125VKA PUHZ-P140VKA

3.Specification

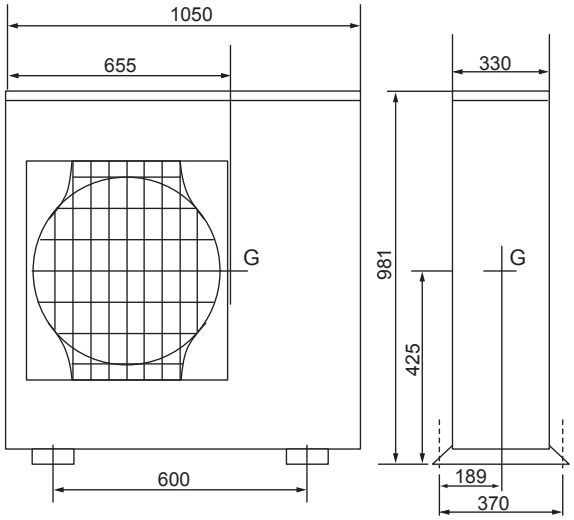
(1) Unit mass	W=	84	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	425	mm=	0.425	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0 370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	189	mm(Lg≦L/2)=	0.189	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	823.2	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	411.6	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	367.7	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	205.8	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	4.7	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	2.6	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time. fts=1.4ft-1.6τ=		242.8	MPa		
σ= 4.7 MPa	＜ fts=	242.8	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 367.7	N



Since the results from the examination above, the anchor bolt has enough strength



1.Type: Standard Inverter Outdoor unit

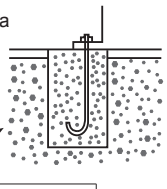
2.Model name: PUHZ-P100YKA

3.Specification

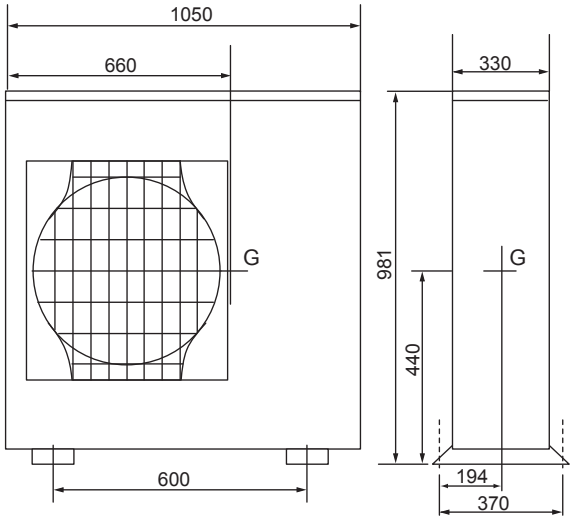
(1) Unit mass	W=	78	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	440	mm=	0.440	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0 370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	194	mm(Lg≦L/2)=	0.194	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	764.4	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	382.2	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	354.3	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	191.1	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	4.5	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	2.5	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time. fts=1.4ft-1.6τ=		243.0	MPa		
σ= 4.5 MPa	＜ fts=	243.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 354.3	N



Since the results from the examination above, the anchor bolt has enough strength



1.Type: Standard Inverter Outdoor unit

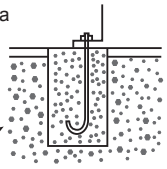
2.Model name: PUHZ-P125YKA PUHZ-P140YKA

3.Specification

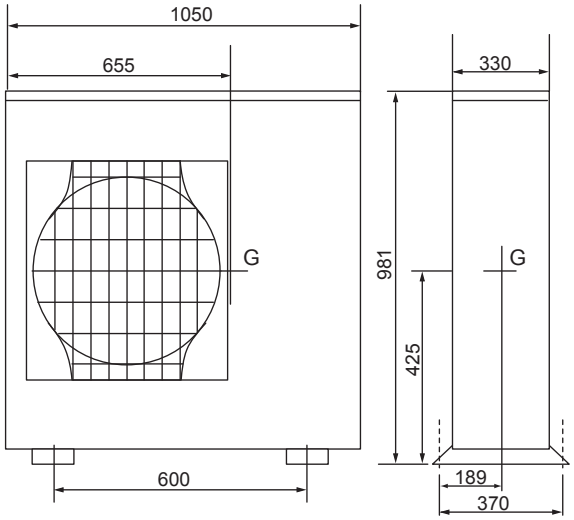
(1) Unit mass	W=	85	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	425	mm=	0.425	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0 370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	189	mm(Lg≦L/2)=	0.189	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	833.0	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	416.5	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	372.0	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	208.3	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	4.8	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	2.7	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time. fts=1.4ft-1.6τ=		242.6	MPa		
σ= 4.8 MPa	＜ fts=	242.6	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 372.0	N



Since the results from the examination above, the anchor bolt has enough strength



1.Type: Standard Inverter Outdoor unit

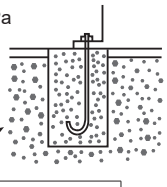
2.Model name: PUHZ-P200YKA3

3.Specification

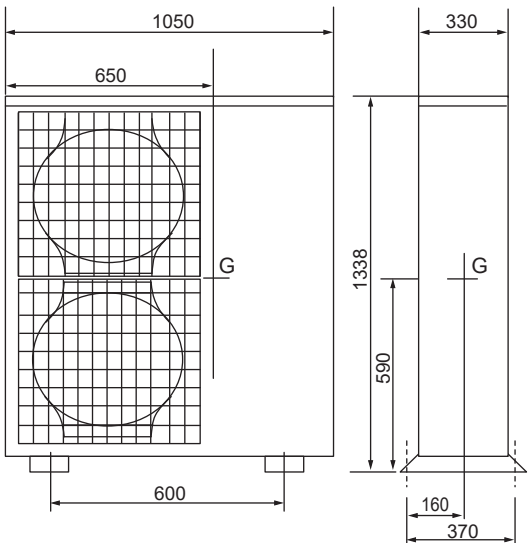
(1) Unit mass	W=	127	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	590	mm=	0.590	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	160	mm(Lg≦L/2)=	0.16	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1244.6	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	622.3	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh \cdot Hg-(W \cdot 9.8-Fv) \cdot Lg}{L \cdot Nt}$	=	857.8	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	311.2	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	11.0	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	4.0	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	240.6	MPa		
σ= 11.0 MPa	＜ fts=	240.6	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 658	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Standard Inverter Outdoor unit

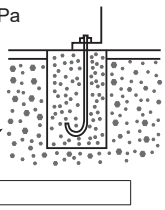
2.Model name: PUHZ-P250YKA3

3.Specification

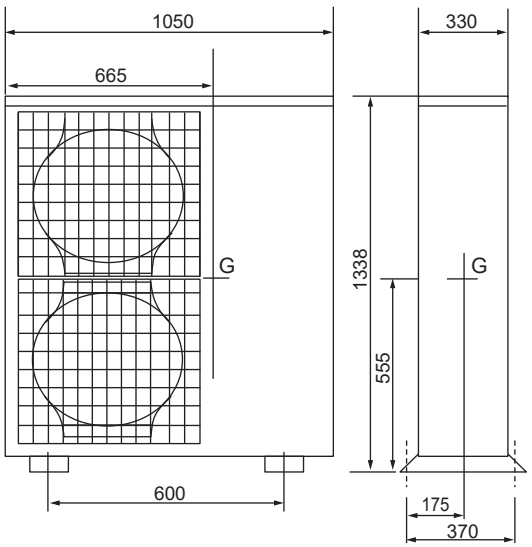
(1) Unit mass	W=	135	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	555	mm=	0.555	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	175	mm(Lg≦L/2)=	0.175	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	1323.0	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	661.5	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh \cdot Hg-(W \cdot 9.8-Fv) \cdot Lg}{L \cdot Nt}$	=	835.8	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	330.8	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	10.7	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	4.2	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	240.2	MPa		
σ= 10.7 MPa	＜ fts=	240.2	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 836	N



Since the results from the examination above, the anchor bolt has enough strength.



Earthquake-proof strength analysis <Anchor bolt>

1.Type: Economy Inverter Outdoor unit

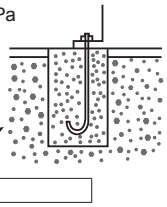
2.Model name: SUZ-SA71VA3

3.Specification

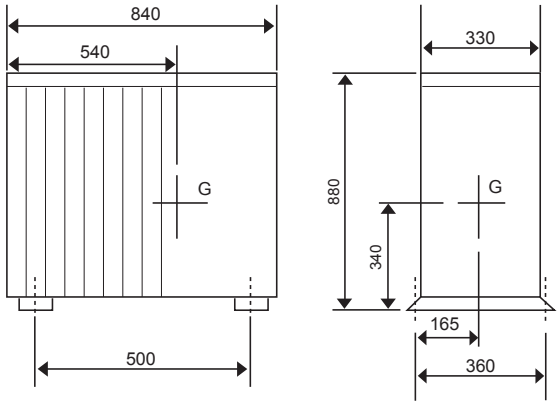
(1) Unit mass	W=	52	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	340	mm=	0.340	m	
(4) The bolt-span from the examination angle	L=	360	mm=	0.360	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	165	mm(Lg≦L/2)=	0.165	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh･W･9.8=	509.6	N		
(4) The vertical earthquake forces for designing	Fv=Kv･W･9.8=	254.8	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	182.3	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	127.4	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	2.3	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	1.6	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time. fts=1.4ft-1.6τ=		244.4	MPa		
σ= 2.3 MPa	＜ fts=	244.4	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞ Rb	182	N



Since the results from the examination above, the anchor bolt has enough strength



Earthquake-proof strength analysis <Anchor bolt>

1.Type: Economy Inverter Outdoor unit

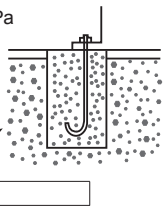
2.Model name: SUZ-SA100VA2

3.Specification

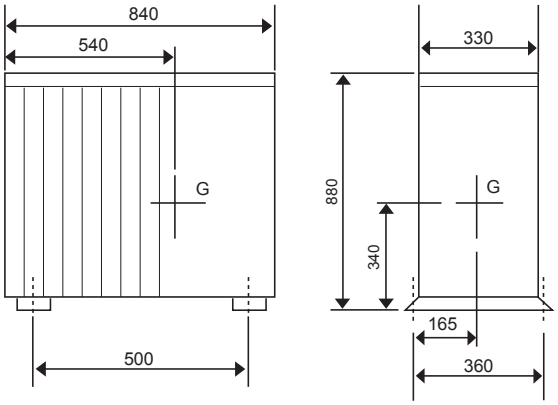
(1) Unit mass	W=	56	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	340	mm=	0.340	m	
(4) The bolt-span from the examination angle	L=	360	mm=	0.360	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	165	mm(Lg≦L/2)=	0.165	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh･W･9.8=	548.8	N		
(4) The vertical earthquake forces for designing	Fv=Kv･W･9.8=	274.4	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	196.3	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	137.2	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	2.5	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	1.8	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time. fts=1.4ft-1.6τ=		244.1	MPa		
σ= 2.5 MPa	＜ fts=	244.1	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞ Rb	196	N



Since the results from the examination above, the anchor bolt has enough strength



1.Type: Economy Inverter Outdoor unit

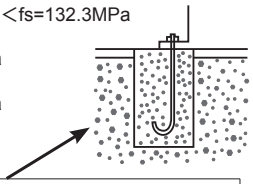
2.Model name: PUHZ-SP125VKA PUHZ-SP140VKA

3.Specification

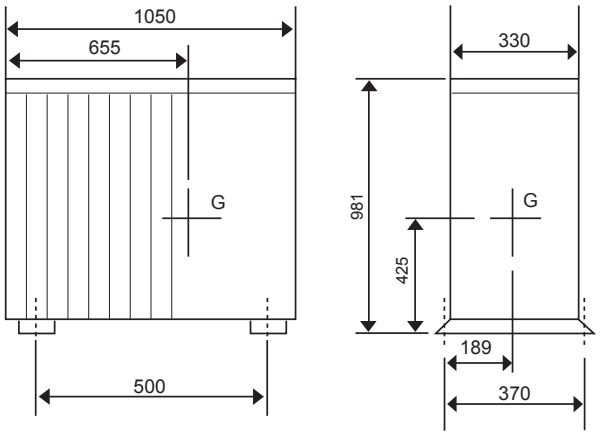
(1) Unit mass	W=	84	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	425	mm=	0.425	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	189	mm(Lg≦L/2)=	0.189	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	823.2	N		
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	411.6	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	367.7	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	205.8	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	4.7	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	2.6	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	242.2	MPa		
σ= 4.7 MPa	＜ fts=	242.2	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb= 367.7	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Economy Inverter Outdoor unit

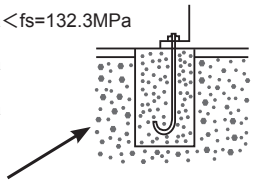
2.Model name: PUHZ-SP100YKA

3.Specification

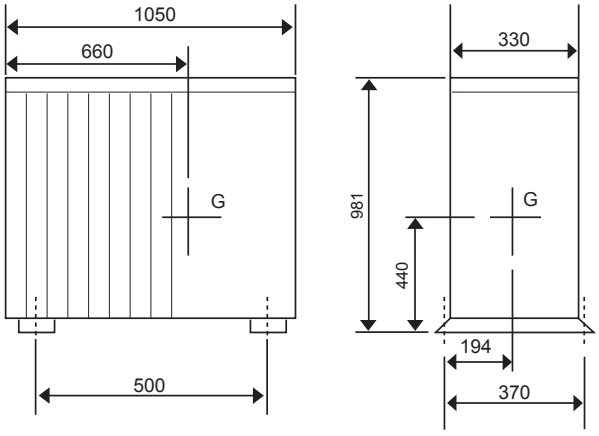
(1) Unit mass	W=	78	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	440	mm=	0.440	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	194	mm(Lg≦L/2)=	0.194	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0				
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5				
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	764.4	N			
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	382.2	N			
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	354.3	N			
(6) The shear forces of the anchor bolt	Q=Fh/N=	191.1	N			
(7) The stress arising to the anchor bolt						
1.The tensile stress.	σ=Rb/A=	4.5	MPa＜ft=176.4MPa			
2.The shearing stress.	τ=Q/A=	2.5	MPa＜fs=132.3MPa			
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	243.0	MPa			
σ= 4.5 MPa	＜ fts=	243.0	MPa			
(8) The construction way of the anchor bolt						
1.The construction way of the anchor bolt.	=	Boxed J type anchor				
2.The thickness of the concrete.	=	120	mm=	0.120	m	
3.The length of buried part of bolt.	=	70	mm=	0.070	m	
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb=	354.3	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Economy Inverter Outdoor unit

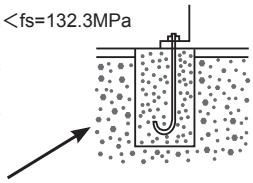
2.Model name: PUHZ-SP125YKA PUHZ-SP140YKA

3.Specification

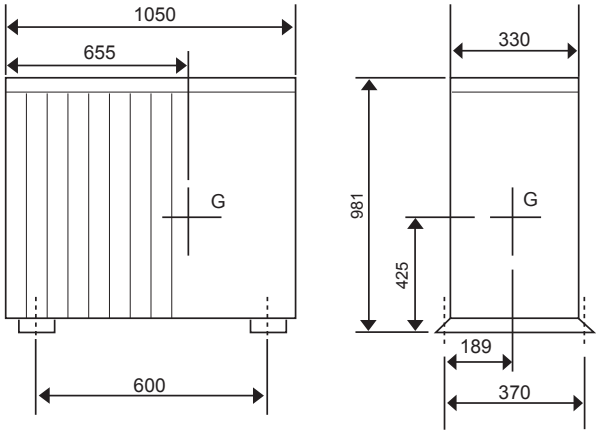
(1) Unit mass	W=	85	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	425	mm=	0.425	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	189	mm(Lg≦L/2)=	0.189	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0				
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5				
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	833.0	N			
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	416.5	N			
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	372.0	N			
(6) The shear forces of the anchor bolt	Q=Fh/N=	208.3	N			
(7) The stress arising to the anchor bolt						
1.The tensile stress.	σ=Rb/A=	4.8	MPa＜ft=176.4MPa			
2.The shearing stress.	τ=Q/A=	2.7	MPa＜fs=132.3MPa			
3.The stress when affected by both the shearing and the tensile at the same time.	fts=1.4ft-1.6τ=	242.6	MPa			
σ= 4.8 MPa	＜ fts=	242.6	MPa			
(8) The construction way of the anchor bolt						
1.The construction way of the anchor bolt.	=	Boxed J type anchor				
2.The thickness of the concrete.	=	120	mm=	0.120	m	
3.The length of buried part of bolt.	=	70	mm=	0.070	m	
4.The permissible withdrawal weight.	Ta=	3136	N ＞	Rb=	372.0	N



Since the results from the examination above, the anchor bolt has enough strength.



1.Type: Mr.Slim+

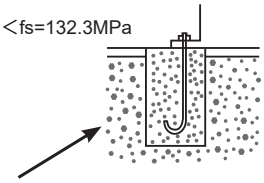
2.Model name: PUHZ-FRP71VHA2

3.Specification

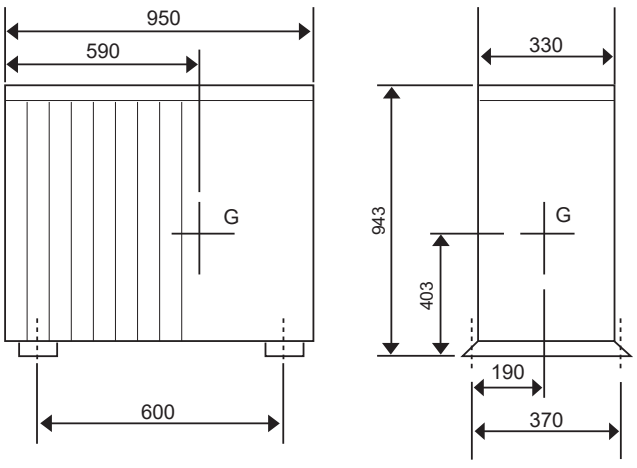
(1) Unit mass	W=	73	kg			
(2) Anchor bolt						
1.The total number of bolts	N=	4				
2.The size and shape	"=M	10	type			
3.The axis section area per one bolt	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	403	mm=	0.403	m	
(4) The bolt-span from the examination angle	L=	370	mm=	0.370	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	190	mm(Lg≦L/2)=	0.190	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0				
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5				
(3) The horizontal earthquake forces for designing	Fh=Kh･W･9.8=	715.4	N			
(4) The vertical earthquake forces for designing	Fv=Kv･W･9.8=	357.7	N			
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	297.8	N			
(6) The shear forces of the anchor bolt	Q=Fh/N=	178.9	N			
(7) The stress arising to the anchor bolt						
1.The tensile stress	σ=Rb/A=	3.8	MPa＜ft=176.4MPa			
2.The shearing stress	τ=Q/A=	2.3	MPa＜fs=132.3MPa			
3.The stress when affected by both the shearing and the tensile at the same time	fts=1.4ft-1.6τ=	243.3	MPa			
σ= 3.8 MPa	＜ fts=	243.3	MPa			
(8) The construction way of the anchor bolt						
1.The construction way of the anchor bolt	=	Boxed J type anchor				
2.The thickness of the concrete	=	120	mm=	0.120	m	
3.The length of buried part of bolt	=	70	mm=	0.070	m	
4.The permissible withdrawal weight	Ta=	3136	N ＞	Rb=	298	N



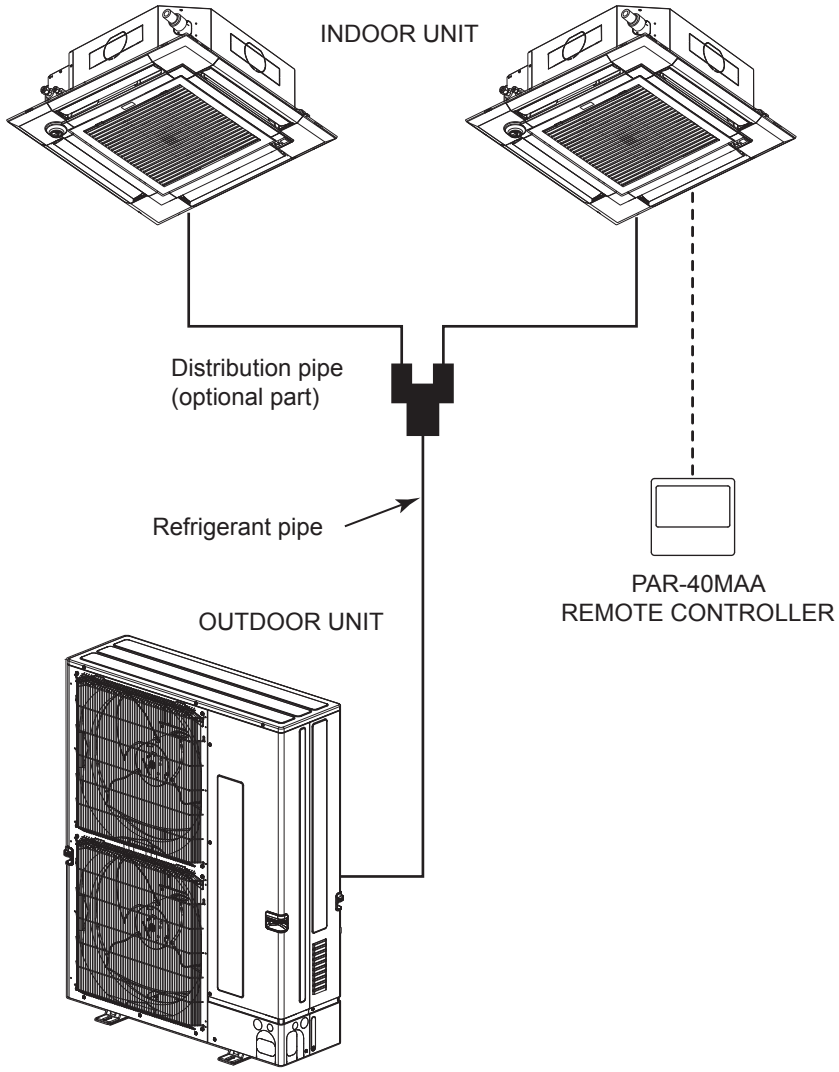
Since the results from the examination above, the anchor bolt has enough strength.



A.9 MULTI SYSTEM

A.9.1 2,3 & 4-WAY MULTI SYSTEM

A single outdoor unit has sufficient power to serve up to 4 indoor units, and 1 remote controller can be used to manage all unit. If 2 remote controllers are available, they can be used as main and sub control terminals. Multi-Distributor piping for greater system installation flexibility is also available.



Advantage of Mr.Slim Multi System

1) Equally comfortable air conditioning for big space with multiple indoor units.
2) Various indoor unit combinations available.
3) Reduction of installation space of outdoor unit.
4) Automatic address setting for easy installation.

Procedure of selection

Selection of outdoor unit ⇒ Selection of indoor unit ⇒ Selection of distribution pipe

A.9.2 MULTI SYSTEM COMBINATION CHART

A.9.2.1. Combination chart

1.1. R32 type

PUZ-ZM·VHA PUZ-ZM·VKA PUZ-ZM·YKA

Outdoor unit	Indoor unit			
	Twin		Triple	Quadruple
ZM71	35×2	—	—	—
ZM100	50×2	—	35×3	—
ZM125	60×2	—	50×3	35×4
ZM140	71×2	—	50×3	35×4
ZM200	—	100×2	60×3	50×4
ZM250	—	125×2	71×3	60×4
Distribution pipe	MSDD-50TR2-E	MSDD-50WR2-E	MSDT-111R3-E	MSDF-1111R2-E

PUZ-M·VKA PUZ-M·YKA

Outdoor unit	Indoor unit			
	Twin		Triple	Quadruple
M100	50×2	—	—	—
M125	60×2	—	—	—
M140	71×2	—	50×3	—
M200	—	100×2	60×3	50×4
M250	—	125×2	71×3	60×4
Distribution pipe	MSDD-50TR2-E	MSDD-50WR2-E	MSDT-111R3-E	MSDT-111R2-E

PUZ-SM·VKA PUZ-SM·YKA

Outdoor unit	Indoor unit	
	Twin	Triple
SM100	—	—
SM125	—	—
SM140	71×2	—
Distribution pipe	MSDD-50TR2-E	—

1.2. R410A type

PUHZ-SHW·V(Y)(2)(-BS)
PUHZ-ZRP·VHA2 PUHZ-ZRP·VKA2(3) PUHZ-ZRP·YKA3
PUHZ-P·VKA PUHZ-P·YKA(3)

Outdoor unit	Indoor unit			
	Twin		Triple	Quadruple
ZRP71	35×2	—	—	—
ZRP100,SHW112,P100	50×2	—	35×3 (ZRP100)	—
ZRP125,SHW140,P125	60×2	—	50×3 (ZRP125)	35×4 (ZRP125)
ZRP140,P140	71×2	—	50×3	35×4 (ZRP140)
ZRP200,P200	—	100×2	60×3	50×4
ZRP250,P250	—	125×2	71×3	60×4
Distribution pipe	MSDD-50TR-E	MSDD-50WR-E	MSDT-111R-E	MSDF-1111R-E

A.9.3 REFRIGERANT PIPING

A.9.3.1 R32 type

■PUZ-ZM71VHA PUZ-ZM100VKA PUZ-ZM125VKA PUZ-ZM140VKA PUZ-ZM100YKA PUZ-ZM125YKA PUZ-ZM140YKA

1. PIPE LENGTH

(1) 1:1 SYSTEM

Pipe length

<Table 1> Maximum pipe length

Liquid pipe (mm)	OD	ϕ6.35			ϕ9.52			ϕ12.7	
	Thickness	t0.8			t0.8			t0.8	
Gas pipe (mm)	OD	ϕ9.52	ϕ12.7	ϕ15.88	ϕ12.7	ϕ15.88	ϕ19.05	ϕ15.88	ϕ19.05
	Thickness	t0.8	t0.8	t1.0	t0.8	t1.0	t1.0	t1.0	t1.0
ZM35,50		□ 30m ※1 [30m]	Standard size 50m [30m]	○※2 30m [30m]	△ 30m [20m]	△※2 30m [20m]			
ZM60,71			□ 10m [10m]	○ 10m [10m]	□ 30m [30m]	Standard size 55m [30m]		△ 30m [20m]	
ZM100,125,140						Standard size 100m※3 [30m]	○ 50m [30m]	△ 50m [20m]	△ 50m [20m]

<Marks in the table>

○ : It can be used.
□ : Cooling capacity is lowered.
△ : Additional refrigerant charge is required when the pipe length exceeds 10m.

50m [30m] — The maximum pipe length / Charge-less pipe length

※1. ZRP50 : maximum pipe length is 10m.
※2. Change the SW8-1 on the outdoor controller circuit board from OFF to ON.
※3. The maximum length is 100m in case of new pipes.

(2) TWIN, TRIPLE AND QUADRUPLE SYSTEM

(a) TWIN SYSTEM

<Table 2> Maximum pipe length

Main pipe (mm) [A]			ZM71(35×2)		ZM100(50×2)			ZM125(60×2) • ZM140(71×2)		
	Liquid pipe		ϕ6.35	ϕ9.52	ϕ9.52	ϕ9.52	ϕ12.7	ϕ9.52	ϕ9.52	ϕ12.7
	Gas pipe		ϕ12.7	ϕ15.88	ϕ15.88	ϕ19.05	ϕ19.05	ϕ15.88	ϕ19.05	ϕ19.05
Branch pipe (mm) [B, C]	Liquid pipe	ϕ6.35		Standard size 55m [30m]	Standard size 100m※ [30m]	○ 50m [30m]	△ 50m [20m]			
	Gas pipe	ϕ12.7								
	Liquid pipe	ϕ9.52		○ 50m [30m]	○ 50m [30m]	○ 50m [30m]	△ 50m [20m]	Standard size 100m※ [30m]	○ 50m [30m]	△ 50m [20m]
	Gas pipe	ϕ15.88								
	Liquid pipe	ϕ12.7								
	Gas pipe	ϕ19.05								

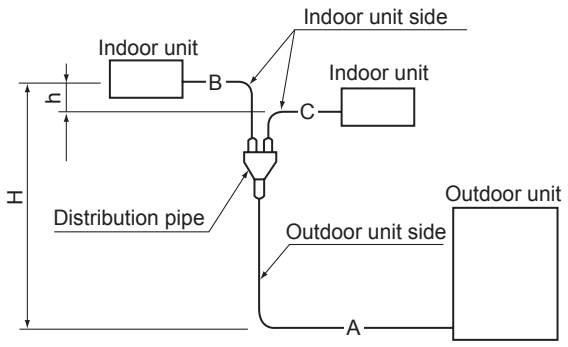
※ The maximum length is 100 m in case of new pipes.

(b) TRIPLE SYSTEM

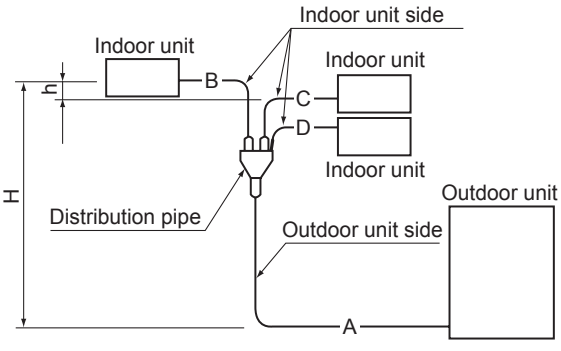
<Table 3> Maximum pipe length

Main pipe (mm) [A]			ZM140(50×3)		
	Liquid pipe		ø9.52	ø9.52	ø12.7
	Gas pipe		ø15.88	ø19.05	ø19.05
Branch pipe (mm) [B, C, D]	Liquid pipe	ø6.35	Standard size 100m※ [30m]	○ 50m [30m]	△ 50m [20m]
	Gas pipe	ø12.7			
	Liquid pipe	ø9.52	○ 50m [30m]	○ 50m [30m]	△ 50m [20m]
	Gas pipe	ø15.88			
	Liquid pipe	ø12.7			
	Gas pipe	ø19.05			

※ The maximum length is 100 m in case of new pipes



<TWIN SYSTEM>
Total length A + B + C
ZM71 : 55 m
ZM100,125,140: 100 m



<TRIPLE SYSTEM>
Total length A + B + C + D
ZM140: 100 m

■PUZ-M100VKA PUZ-M125VKA PUZ-M140VKA
PUZ-M100YKA PUZ-M125YKA PUZ-M140YKA

1. PIPE LENGTH
(1) 1:1 SYSTEM
Pipe length

<Table 1> Maximum pipe length(M100,M125,M140)

Liquid pipe (mm)	OD	ø9.52			ø12.7	
	Thickness	t0.8			t0.8	
Gas pipe (mm)	OD	ø12.7	ø15.88	ø19.05	ø15.88	ø19.05
	Thickness	t0.8	t1.0	t1.0	t1.0	t1.0
M100			Standard size 55m [30m]	○ 50m [30m]	△ 25m [15m]	△ 25m [15m]
M125,M140			Standard size 65m [30m]	○ 50m [30m]	△ 30m [15m]	△ 30m [15m]

<Marks in the table>

○ : It can be used.
□ : Cooling capacity is lowered.
△ : Additional refrigerant charge is required when the pipe length exceeds 10m.

50m [30m] — The maximum pipe length / Charge-less pipe length

(2) TWIN, TRIPLE AND QUADRUPLE SYSTEM
(a) TWIN SYSTEM

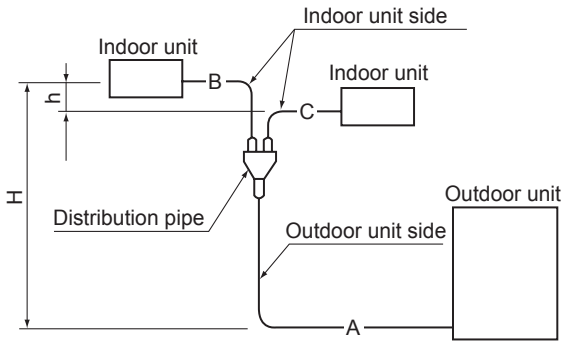
<Table 2> Maximum pipe length(M100,M125,M140)

			M100(50×2)			M125(60×2)·M140(71×2)		
Main pipe (mm) [A]	Liquid pipe		ø9.52	ø9.52	ø12.7	ø9.52	ø9.52	ø12.7
	Gas pipe		ø15.88	ø19.05	ø19.05	ø15.88	ø19.05	ø19.05
Branch pipe (mm) [B, C]	Liquid pipe	ø6.35	Standard size 55m [30m]	○ 50m [30m]	△ 30m [10m]			
	Gas pipe	ø12.7						
	Liquid pipe	ø9.52	○ 50m [30m]	○ 50m [30m]	△ 50m [30m]	Standard size 65m [30m]	○ 50m [30m]	△ 30m [15m]
	Gas pipe	ø15.88						

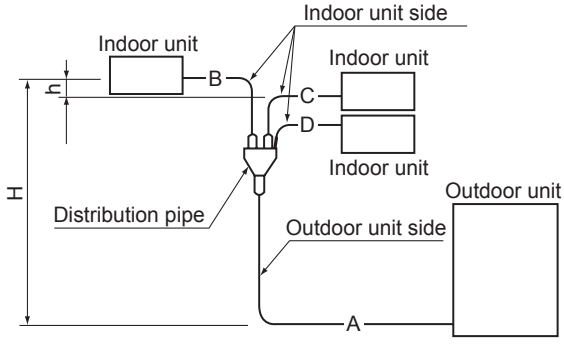
(b) TRIPLE SYSTEM

<Table 3> Maximum pipe length(M140)

			M140(50×3)		
Main pipe (mm) [A]	Liquid pipe		ø9.52	ø9.52	ø12.7
	Gas pipe		ø15.88	ø19.05	ø19.05
Branch pipe (mm) [B, C, D]	Liquid pipe	ø6.35	Standard size 65m [30m]	○ 50m [30m]	△ 30m [15m]
	Gas pipe	ø12.7			
	Liquid pipe	ø9.52	○ 50m [30m]	○ 50m [30m]	△ 30m [15m]
	Gas pipe	ø15.88			



<TWIN SYSTEM>
Total length A + B + C
M125,M140≦ 65 m



<TRIPLE SYSTEM>
Total length A + B + C + D
M140≦ 65 m

■PUZ-SM100VKA PUZ-SM125VKA PUZ-SM140VKA PUZ-SM100YKA PUZ-SM125YKA PUZ-SM140YKA

1.PIPE LENGTH

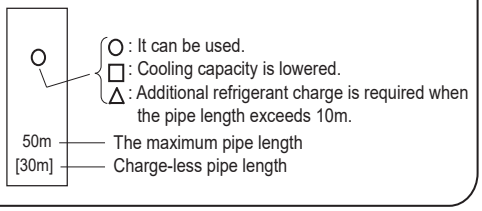
(1) 1:1 SYSTEM

Pipe length

<Table 1> Maximum pipe length

Liquid pipe (mm)	OD	ø9.52			ø12.7	
	Thickness	t0.8			t0.8	
Gas pipe (mm)	OD	ø12.7	ø15.88	ø19.05	ø15.88	ø19.05
	Thickness	t0.8	t1.0	t1.0	t1.0	t1.0
SM100			Standard size 30m [30m]	○ 30m [30m]	△ 25m [15m]	△ 25m [15m]
SM125,140			Standard size 40m [30m]	○ 40m [30m]	△ 30m [15m]	△ 30m [15m]

<Marks in the table>

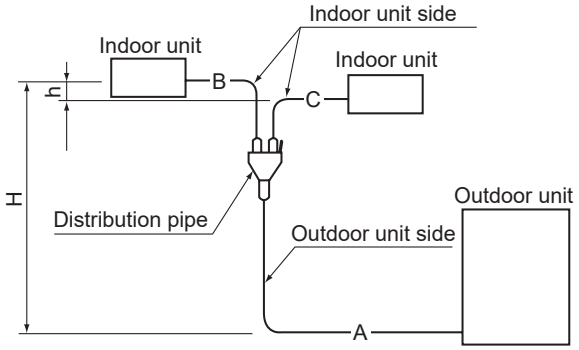


(2) TWIN

(a) TWIN SYSTEM

<Table 2> Maximum pipe length

			SM140(71×2)		
Main pipe (mm) [A]	Liquid pipe		ø9.52	ø9.52	ø12.7
	Gas pipe		ø15.88	ø19.05	ø19.05
Branch pipe (mm) [B, C, D]	Liquid pipe	ø6.35	Standard size 40m [30m]	○ 40m [30m]	△ 30m [15m]
	Gas pipe	ø12.7			
	Liquid pipe	ø9.52	○ 40m [30m]	○ 40m [30m]	△ 30m [15m]
	Gas pipe	ø15.88			



<TRIPLE SYSTEM>
Total length A + B + C
SM140≦ 40 m

2. ADJUSTING THE AMOUNT OF REFRIGERANT

• Check additional refrigerant charging amount referring to table 3, 4 when liquid pipe is 1 size larger than standard diameter.

■PUZ-ZM71VHA
PUZ-ZM100VKA
PUZ-ZM100YKA
PUZ-ZM125VKA
PUZ-ZM125YKA
PUZ-ZM140VKA
PUZ-ZM140YKA

<Table 3> Required additional charge when the pipe size is 1 size larger than the standard diameter (1:1 SYSTEM)

Outdoor unit	Liquid pipe O.D.	Refrigerant amount to be added
PUZ-ZM35,50	ϕ9.52	40 g per 1 m
PUZ-ZM60,71	ϕ12.7	80 g per 1 m
PUZ-ZM100,125,140	ϕ12.7	80 g per 1 m

<Table 4> Required additional charge when the pipe size is 1 size larger than the standard diameter (TWIN/TRIPLE SYSTEM)

Outdoor unit	When the extension pipe length (main piping + branch piping) exceeds 20 m
PUZ-ZM71,100,125140	Additional refrigerant amount $\triangle$W(g) = (80× L1) + (40 × L2) + (15 × L3) - 1600

If the calculation produces a negative number ($\triangle W \leqq 0$), additional charging is not necessary.
L1: ϕ12.7 liquid pipe length (m)
L2: ϕ9.52 liquid pipe length (m)
L3: ϕ6.35 liquid pipe length (m)

<Table 5> Additional refrigerant charging amount for pipe of standard diameter

Type	Outdoor unit	Permitted pipe length	Amount of unit filling refrigerant (kg)	Additional refrigerant charging amount for pipe length exceeding 30 m (kg)				
				31 – 40m	41 – 50m	51 – 55m	55 – 75m	75 – 100m
1 : 1 system	PUZ-ZM35	50m or less	2.0kg	0.15kg	0.3kg			
	PUZ-ZM50		2.0kg	0.15kg	0.3kg			
	PUZ-ZM71	55m or less	2.8kg	0.4kg	0.8kg	1.8kg		
	PUZ-ZM100,125,140	100m or less	4.0kg	0.4kg	0.8kg	1.2kg	1.8kg	2.8kg

Type	Outdoor unit	Permitted pipe length	Amount of unit filling refrigerant (kg)	Additional refrigerant charging amount for pipe length exceeding 30 m (kg)				
				31 – 40m	41 – 50m	51 – 55m	55– 75m	75 – 100m
Twin Triple system	PUZ-ZM71	55m or less	2.8kg	0.4kg	0.8kg	0.8kg		
	PUZ-ZM100,125,140	100m or less	4.0kg	0.4kg	0.8kg	1.2kg	1.8kg	2.8kg

• Check additional refrigerant charging amount referring to table 6, 7 when liquid pipe is 1 size larger than standard diameter.

■PUZ-M100VKA PUZ-M125VKA PUZ-M140VKA
PUZ-M100YKA PUZ-M125YKA PUZ-M140YKA

<Table 6> Required additional charge when the pipe size is 1 size larger than the standard diameter (1:1 SYSTEM)

Outdoor unit	Liquid pipe O.D.	Refrigerant amount to be added
PUZ-M100,125,140	ϕ12.7	80 g per 1 m

<Table 7> Required additional charge when the pipe size is 1 size larger than the standard diameter (TWIN/TRIPLE SYSTEM)

Outdoor unit	When the extension pipe length (main piping + branch piping) exceeds 15 m
PUZ-M100,125,140	Additional refrigerant amount △W(g) = (80 × L1) + (40 × L2) + (15 × L3) - 1200

If the calculation produces a negative number (△W ≦ 0), additional charging is not necessary.
L1: ϕ12.7 liquid pipe length (m)
L2: ϕ9.52 liquid pipe length (m)
L3: ϕ6.35 liquid pipe length (m)

<Table 8> Additional refrigerant charging amount for pipe of standard diameter

Type	Outdoor unit	Permitted pipe length	Amount of unit filling refrigerant (kg)	Additional refrigerant charging amount for pipe length exceeding 30 m (kg)				
				31 – 40m	41 – 50m	51 – 55m	56 – 60m	61 – 65m
1 : 1 system	PUZ-M100	55m or less	3.1kg	0.4kg	0.8kg	1.0kg		
	PUZ-M125,140	65m or less	3.6kg	0.4kg	0.8kg	1.0kg	1.2kg	1.4kg

Type	Outdoor unit	Permitted pipe length	Amount of unit filling refrigerant (kg)	Additional refrigerant charging amount for pipe length exceeding 30 m (kg)				
				31 – 40m	41 – 50m	51 – 55m	56 – 60m	61 – 65m
Twin Triple system	PUZ-M100	55m or less	3.1kg	0.4kg	0.8kg	1.0kg		
	PUZ-M125,140	65m or less	3.6kg	0.4kg	0.8kg	1.0kg	1.2kg	1.4kg

• Check additional refrigerant charging amount referring to table 9, 10 when liquid pipe is 1 size larger than standard diameter

■PUZ-SM100VKA PUZ-SM125VKA PUZ-SM140VKA
PUZ-SM100YKA PUZ-SM125YKA PUZ-SM140YKA

<Table 9> Required additional charge when the pipe size is 1 size larger than the standard diameter (1:1 SYSTEM)

Outdoor unit	Liquid pipe O.D.	Refrigerant amount to be added
PUZ-SM100,125,140	ϕ12.7	80 g per 1 m

<Table 10> Required additional charge when the pipe size is 1 size larger than the standard diameter (TRIPLE SYSTEM)

Outdoor unit	When the extension pipe length (main piping + branch piping) exceeds 15 m
PUZ-SM100,125,140	Additional refrigerant amount △W(g) = (80 × L1) + (40 × L2) + (15 × L3) - 1200

If the calculation produces a negative number (△W ≦ 0), additional charging is not necessary.
L1: ϕ12.7 liquid pipe length (m)
L2: ϕ9.52 liquid pipe length (m)
L3: ϕ6.35 liquid pipe length (m)

<Table 11> Additional refrigerant charging amount for pipe of standard diameter

Type	Outdoor unit	Permitted pipe length	Amount of unit filling refrigerant (kg)	Additional refrigerant charging amount for pipe length exceeding 30 m (kg)
				31 – 40m
1 : 1 system	PUZ-SM100	30m or less	3.1kg	
	PUZ-SM125,140	40m or less	3.6kg	0.4kg

Type	Outdoor unit	Permitted pipe length	Amount of unit filling refrigerant (kg)	Additional refrigerant charging amount for pipe length exceeding 30 m (kg)
				31 – 40m
Triple system	PUZ-SM100	30m or less	3.1kg	
	PUZ-SM125,140	40m or less	3.6kg	0.4kg

■PUZ-ZM200YKA
PUZ-ZM250YKA

1. TWIN, TRIPLE AND QUADRUPLE SYSTEM

(1) Twin

<Table 1> Maximum pipe length (Main pipe[A]+Branch pipe diameter [B and C])

			ZM200 twin (100×2)												ZM250 twin (125×2)											
Main pipe	Liquid pipe		ϕ9.52				ϕ12.7				ϕ15.88				ϕ9.52				ϕ12.7				ϕ15.88			
(mm)[A]	Gas pipe		ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
Branch pipe [mm] [B, C]	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	Standard size ○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	Standard size ○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ15.88																								
	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								
	Liquid pipe	ϕ12.7	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								

• Be sure to use hard (tempered) one for pipe over ϕ22.2.

(2) Triple

<Table 2> Maximum pipe length (Main pipe [A] + Branch pipe [B, C and D])

			ZM200 triple (60×3)												ZM250 triple (71×3)											
Main pipe	Liquid pipe		ϕ9.52				ϕ12.7				ϕ15.88				ϕ9.52				ϕ12.7				ϕ15.88			
(mm)[A]	Gas pipe		ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
Branch pipe [mm] [B, C, D]	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	Standard size ○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	Standard size ○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ15.88																								
	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								
	Liquid pipe	ϕ12.7	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								

• Be sure to use hard (tempered) one for pipe over ϕ22.2.

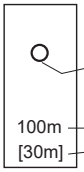
(3) Quadruple

<Table 3> Maximum pipe length (Main pipe[A]+Branch pipe [B, C, D and E])

			ZM200 quadruple (50×4)												ZM250 quadruple (60×4)											
Main pipe	Liquid pipe		ϕ9.52				ϕ12.7				ϕ15.88				ϕ9.52				ϕ12.7				ϕ15.88			
(mm)[A]	Gas pipe		ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
Branch pipe [mm] [B, C, D, E]	Liquid pipe	ϕ6.35	□ 20m [20m]	□ 50m [30m]	Standard size ○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]												
	Gas pipe	ϕ12.7																								
	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	Standard size ○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ15.88																								
	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								
	Liquid pipe	ϕ12.7													□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								

• Be sure to use hard (tempered) one for pipe over ϕ22.2.

<Marks in the table above>



○ : It can be used.
□ : Cooling capacity is lowered.→Refer to <Table6>.
△ : Additional refrigerant charge is required when the pipe length exceeds 20m.→Refer to <Table7>.

100m — The maximum pipe length
[30m] — Charge-less pipe length

Outdoor unit	A+B+C+D						◎Maximum amount of refrigerant
	Amount of additional refrigerant charge (kg)						
	30 m and less	31 - 40 m	41 - 50 m	51 - 60 m	61 - 70 m	71 - 100 m	
ZM200	No additional charge necessary	0.4 kg	0.8 kg	1.2 kg	1.6 kg	Calculate the amount of additional refrigerant charge using formula provided next page	9.2 kg
ZM250		0.6 kg	1.2 kg	1.8 kg	2.4 kg		9.2 kg

When length exceeds 70 m

When the total length of the piping exceeds 70 m, calculate the amount of additional charge based on the following requirements.
Note: If the calculation produces a negative number (i.e. a "minus" charge), of if calculation results in an amount that is less than the "Additional charge amount for 70 m", perform the additional charge using the amount shown in "Additional charge amount for 70 m".

Amount of additional charge	=	Main piping: Liquid line size ø12.7 overall length × 0.06	+	Main piping: Liquid line size ø9.52 overall length × 0.04 (Gas line: ø25.4)	+	Branch piping: Liquid line size ø9.52 overall length × 0.03 (Gas line: ø15.88)	+	Branch piping: Liquid line size ø6.35 overall length × 0.01	-	ZM200	1.2 (kg)
(kg)		(m) × 0.06 (kg/m)		(m) × 0.04 (kg/m)		(m) × 0.03 (kg/m)		(m) × 0.01 (kg/m)		ZM250	1.8 (kg)

Maximum additional charge	ZM200	2.9 kg
	ZM250	2.4 kg

Additional charge amount for 70 meters	ZM200	1.6 kg
	ZM250	2.4 kg

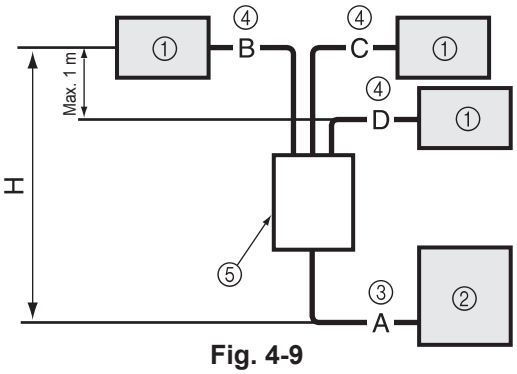


Fig. 4-9

① Indoor unit
② Outdoor unit
③ Main piping
④ Branch piping
⑤ Multi distribution pipe (option)

Outdoor unit : ZM250 A: ø12.7.....65 m
Indoor unit 1 : ZM71 B: ø9.52.....5 m
Indoor unit 2 : ZM71 C: ø9.52.....5 m
Indoor unit 3 : ZM71 D: ø9.52.....5 m
Main piping ø12.7 is A = 65 m
Branch piping ø9.52 is B + C + D = 15 m
Therefore, the amount of additional charge is: 65 × 0.06 + 15 × 0.04 - 1.8 = 2.7(kg)
(Fractions are rounded up)

Maximum pipe length (ZM200·250)

Liquid pipe (mm)	O.D.	ø9.52				ø12.7				ø15.88			
	Thickness	t0.8				t0.8				t1.0			
Gas pipe (mm)	O.D.	ø19.05	ø22.2	ø25.4	ø28.58	ø19.05	ø22.2	ø25.4	ø28.58	ø22.2	ø25.4	ø28.58	ø31.75
	Thickness	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.1
ZM200		□ 20m [20m]	□ 50m [30m]	Standard size 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
ZM250		□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	Standard size 100m [30m]	□ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]

Note : Be sure to use hard (tempered) one for pipe over ø19.05.

<Marks in the table above>

○ : It can be used.
□ : Cooling capacity is lowered.
△ : Additional refrigerant charge is required when the pipe length exceeds 20m.
100m [30m] — The maximum pipe length / Charge-less pipe length

Outdoor unit	Permissible total piping length A+B+C+D+E	A+B or A+C or A+D or A+E	Charge-less piping length A+B+C+D+E
ZM200 ZM250	100 m and less	100 m and less	30 m and less

Outdoor unit	| B-C | or | B-D | or | B-E | or | C-D | or | C-E | or | D-E |	No. of bends
ZM200, 250	8 m and less	Within 15

■ ZM200, 250

Additional refrigerant amount when the liquid pipe of the larger diameter is used.

1:1 system

Liquid pipe	When the pipe length exceeds 20 m
ø15.88	Additional refrigerant amount △w (g) = 180 × Pipe length (m) - 3000

* △w (g) ≦ 0 : Additional charge is not necessary.

Simultaneous twin/triple/quadruple system

When the pipe length (main piping and branch piping) exceeds 20 m
Additional refrigerant amount △w (g) = (180 × L1) + (120 × L2) + (90 × L3) + (30 × L4) - 3000

L1 : ø15.88 liquid pipe length (m) L2 : ø12.7 liquid pipe length (m)
L3 : ø9.52 liquid pipe length (m) L4 : ø6.35 liquid pipe length (m)

* △w (g) ≦ 0 : Additional charge is not necessary.

■ PUZ-M200YKA
PUZ-M250YKA

1. PIPE LENGTH

1-1. TWIN TRIPLE AND QUADRUPLE SYSTEM

(1) TWIN SYSTEM

<Table 1> Maximum pipe length(M200, M250)

			M200(100x2)										M250(125x2)									
Main pipe (mm) [A]	Liquid pipe	O.D.	ϕ9.52			ϕ12.7			ϕ15.88				ϕ9.52			ϕ12.7			ϕ15.88			
		Thickness	t0.8			t0.8			t1.0				t0.8			t0.8			t1.0			
	Gas pipe	O.D.	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
		Thickness	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.1	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.1
Branch pipe (mm) [B,C]	Liquid pipe	ϕ9.52	□	Standard size	○	□△	△	△	□△	△	△	△	□	○	○	□	Standard size	○	□△	△	△	△
	Gas pipe	ϕ15.88	50m [30m]	70m [30m]	70m [30m]	50m [20m]	50m [20m]	50m [20m]	40m [20m]	40m [20m]	40m [20m]	40m [20m]	50m [30m]	70m [30m]	70m [30m]	50m [30m]	70m [30m]	70m [30m]	45m [20m]	45m [20m]	45m [20m]	45m [20m]

(2) TRIPLE SYSTEM

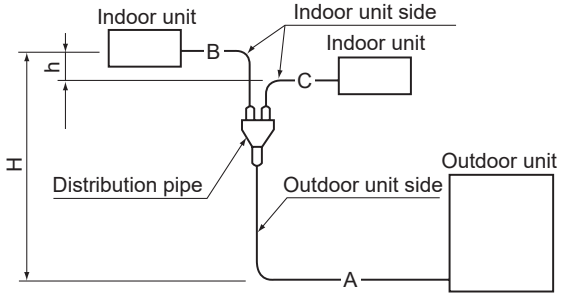
<Table 2> Maximum pipe length(M200, M250)

			M200(60x3)										M250(71x3)									
Main pipe (mm) [A]	Liquid pipe	O.D.	ϕ9.52			ϕ12.7			ϕ15.88				ϕ9.52			ϕ12.7			ϕ15.88			
		Thickness	t0.8			t0.8			t1.0				t0.8			t0.8			t1.0			
	Gas pipe	O.D.	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
		Thickness	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.1	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.1
Branch pipe (mm) [B,C]	Liquid pipe	ϕ9.52	□	Standard size	○	□△	△	△	□△	△	△	△	□	○	○	□	Standard size	○	□△	△	△	△
	Gas pipe	ϕ15.88	50m [30m]	70m [30m]	70m [30m]	50m [20m]	50m [20m]	50m [20m]	40m [20m]	40m [20m]	40m [20m]	40m [20m]	50m [30m]	70m [30m]	70m [30m]	50m [30m]	70m [30m]	70m [30m]	45m [20m]	45m [20m]	45m [20m]	45m [20m]

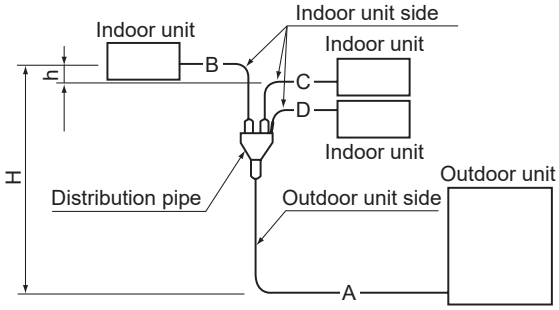
(3) QUADRUPLE SYSTEM

<Table 3> Maximum pipe length(M200,M250)

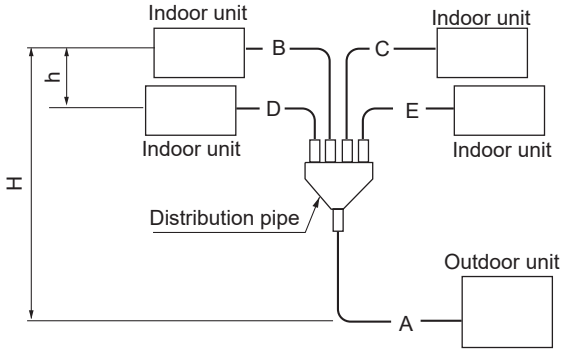
			M200(50x4)										M250(60x4)									
Main pipe (mm) [A]	Liquid pipe	O.D.	ϕ9.52			ϕ12.7			ϕ15.88				ϕ9.52			ϕ12.7			ϕ15.88			
		Thickness	t0.8			t0.8			t1.0				t0.8			t0.8			t1.0			
	Gas pipe	O.D.	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
		Thickness	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.1	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.1
Branch pipe (mm) [B,C]	Liquid pipe	ϕ6.35	□	Standard size	○	□△	△	△	□△	△	△	△										
	Gas pipe	ϕ12.7	50m [30m]	70m [30m]	70m [30m]	50m [20m]	50m [20m]	50m [20m]	40m [20m]	40m [20m]	40m [20m]	40m [20m]										
	Liquid pipe	ϕ9.52	□	○	○	□△	△	△	□△	△	△	△	□	○	○	□	Standard size	○	□△	△	△	△
	Gas pipe	ϕ15.88	50m [30m]	70m [30m]	70m [30m]	50m [20m]	50m [20m]	50m [20m]	40m [20m]	40m [20m]	40m [20m]	40m [20m]	50m [30m]	70m [30m]	70m [30m]	50m [30m]	70m [30m]	70m [30m]	45m [20m]	45m [20m]	45m [20m]	45m [20m]



<TWIN SYSTEM>
Total length A + B + C
M200, 250: 70 m



<TRIPLE SYSTEM>
Total length A + B + C + D
M200, 250: 70 m



<QUADRUPLE SYSTEM>
Total length A + B + C + D + E
M200, 250 : 70 m

	Outdoor unit	Pipe size (mm)<inch>				Actual piping length <m>			Height def fence <m>		(Note 1) No. of bend
		Gas side		Liquid side		Total length A+B+C+D+E	Indoor ~ Indoor	Branch pipe B, C, D	Indoor ~ Outdoor	Indoor ~ Indoor	
		Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side						
TWIN	200, 250	ϕ25.4 <1>	60,71, 100, 125 ϕ15.88<5/8>	ϕ9.52<3/8> (200) ϕ12.7<1/2> (250)	60,71, 100, 125 ϕ9.52<3/8>	70m	|B-C| 8m	30m	H30m	h 1m	15
TRIPLE							|B-C| |C-D| |B-D| 8m				
QUADRUPLE			50 ϕ12.7 <1/2> 60 ϕ15.88<5/8>		50 ϕ6.35 <1/4> 60 ϕ9.52<3/8>		|B-C| |B-D| |B-E| |C-D| |C-D| |C-E| 8m				

Note1. The number of bends in the refrigerant pipe is respectively 8 or less in the range of <A+B> <A+C> <A+D>.
2. PUZ-M250: 30 m chargeless

A.9.3.2 R410A type

■PUHZ-SHW112VHA(-BS)
PUHZ-SHW112YHA(-BS)
PUHZ-SHW140VHA(-BS)
PUHZ-SHW140YHA(-BS)

PUHZ-ZRP71VHA2
PUHZ-ZRP100VKA3
PUHZ-ZRP100YKA3

PUHZ-ZRP125VKA3
PUHZ-ZRP125YKA3
PUHZ-ZRP140VKA3
PUHZ-ZRP140YKA3

1. PIPE LENGTH
(1) 1:1 SYSTEM
Pipe length

<Table 1> Maximum pipe length

Liquid pipe (mm)	OD	ϕ6.35			ϕ9.52			ϕ12.7	
	Thickness	t0.8			t0.8			t0.8	
Gas pipe (mm)	OD	ϕ9.52	ϕ12.7	ϕ15.88	ϕ12.7	ϕ15.88	ϕ19.05	ϕ15.88	ϕ19.05
	Thickness	t0.8	t0.8	t1.0	t0.8	t1.0	t1.0	t1.0	t1.0
ZRP35,50		□ 30m ※1 [30m]	Standard size 50m [30m]	○※2 30m [30m]	△ 30m [20m]	△※2 30m [20m]			
ZRP60,71			□ 10m [10m]	○ 10m [10m]	□ 30m [30m]	Standard size 50m [30m]		△ 30m [20m]	
SHW112 ZRP100,125,140						Standard size 50m ※3 [30m]	○ 50m [30m]	△ 50m [20m]	△ 50m [20m]

<Marks in the table>
○ : It can be used.
□ : Cooling capacity is lowered.
△ : Additional refrigerant charge is required when the pipe length exceeds 10m.
50m [30m] — The maximum pipe length / Charge-less pipe length

※1. ZRP50 : maximum pipe length is 10m.
※2. Change the SW8-1 on the outdoor controller circuit board from OFF to ON.
※3. The maximum length is 75m in case of new pipes.

(2) TWIN AND TRIPLE SYSTEM
(a) TWIN SYSTEM

<Table 2> Maximum pipe length

Main pipe (mm) [A]			SHW112(50×2), ZRP100(50×2)			SHW140(60×2), ZRP125(60×2) , ZRP140(71×2)			ZRP71(35×2)	
	Liquid pipe		ϕ9.52	ϕ9.52	ϕ12.7	ϕ9.52	ϕ9.52	ϕ12.7	ϕ6.35	ϕ9.52
	Gas pipe		ϕ15.88	ϕ19.05	ϕ19.05	ϕ15.88	ϕ19.05	ϕ19.05	ϕ12.7	ϕ15.88
Branch pipe (mm) [B, C]	Liquid pipe	ϕ6.35	Standard size 50m ※ [30m]	○ 50m [30m]	△ 50m [20m]					Standard size 50m [30m]
	Gas pipe	ϕ12.7								
	Liquid pipe	ϕ9.52	○ 50m [30m]	○ 50m [30m]	△ 50m [20m]	Standard size 50m ※ [30m]	○ 50m [30m]	△ 50m [20m]		○ 50m [30m]
	Gas pipe	ϕ15.88								
	Liquid pipe	ϕ12.7								
	Gas pipe	ϕ19.05								

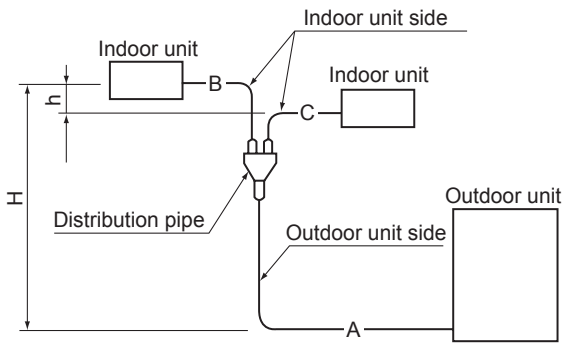
※ The maximum length is 75m in case of new pipes.

(b) TRIPLE SYSTEM

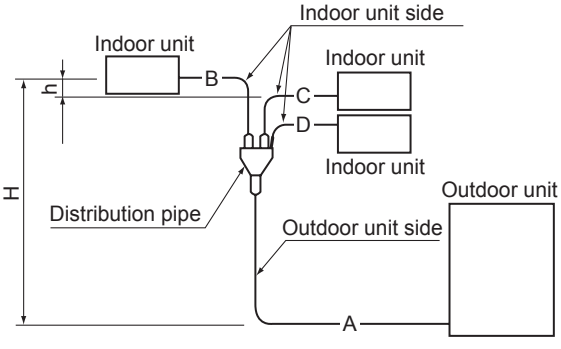
<Table 3> Maximum pipe length

Main pipe (mm) [A]			ZRP100(35×3), ZRP125(50×3), ZRP140(50×3)		
	Liquid pipe		ø9.52	ø9.52	ø12.7
	Gas pipe		ø15.88	ø19.05	ø19.05
Branch pipe (mm) [B, C, D]	Liquid pipe	ø6.35	Standard size 50m ※ [30m]	○ 50m [30m]	△ 50m [20m]
	Gas pipe	ø12.7			
	Liquid pipe	ø9.52	○ 50m [30m]	○ 50m [30m]	△ 50m [20m]
	Gas pipe	ø15.88			
	Liquid pipe	ø12.7			
	Gas pipe	ø19.05			

※ The maximum length is 75m in case of new pipes.



<TWIN SYSTEM>
Total length A + B + C
SHW112,140: 75 m
ZRP71 : 50 m
ZRP100,125,140: 75 m



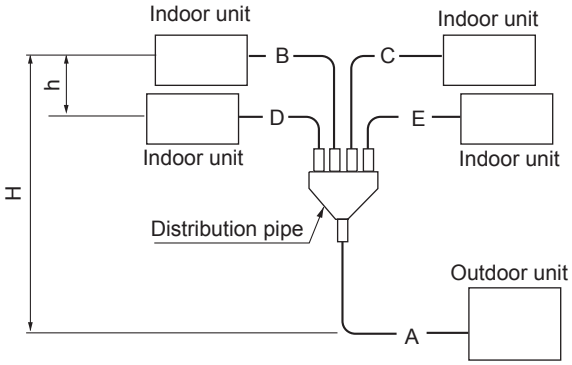
<TRIPLE SYSTEM>
Total length A + B + C + D
ZRP100,125,140: 75 m

(C) QUADRUPLE SYSTEM

<Table 4> Maximum pipe length

			ZRP125, 140 (35×4)		
Main pipe (mm) [A]	Liquid pipe		ø9.52	ø9.52	ø12.7
	Gas pipe		ø15.88	ø19.05	ø19.05
Branch pipe (mm) [B, C, D, E]	Liquid pipe	ø6.35	Standard size 50m※ [30m]	○ 50m [30m]	△ 50m [20m]
	Gas pipe	ø12.7			
	Liquid pipe	ø9.52	○ 50m [30m]	○ 50m [30m]	△ 50m [20m]
	Gas pipe	ø15.88			
	Liquid pipe	ø12.7			
	Gas pipe	ø19.05			

※ The maximum length is 75 m in case of new pipes.



<QUADRUPLE SYSTEM>
Total length A + B + C + D + E
ZRP125,140 : 75 m

2. ADJUSTING THE AMOUNT OF REFRIGERANT

• Check additional refrigerant charging amount referring to table 5, 6 when liquid pipe is 1 size larger than standard diameter.

<Table 5> Required additional charge when the pipe size is 1 size larger than the standard diameter (1:1 SYSTEM)

Outdoor unit	Liquid pipe O.D.	Refrigerant amount to be added
PUHZ-ZRP35,50	ϕ9.52	60 g per 1 m
PUHZ-ZRP60,71	ϕ12.7	100 g per 1 m
PUHZ-SHW112,140 PUHZ-ZRP100,125,140	ϕ12.7	100 g per 1 m

<Table 6> Required additional charge when the pipe size is 1 size larger than the standard diameter (TWIN/TRIPLE SYSTEM)

Outdoor unit	When the extension pipe length (main piping + branch piping) exceeds 20 m
PUHZ-SHW112,140 PUHZ-ZRP71,100,125140	Additional refrigerant amount △W(g) = (100 × L1) + (60 × L2) + (30 × L3) - 2000

If the calculation produces a negative number (△W ≦ 0), additional charging is not necessary.
L1: ϕ12.7 liquid pipe length (m)
L2: ϕ9.52 liquid pipe length (m)
L3: ϕ6.35 liquid pipe length (m)

<Table 7> Additional refrigerant charging amount for pipe of standard diameter

Type	Outdoor unit	Permitted pipe length	Amount of unit filling refrigerant (kg)	Additional refrigerant charging amount for pipe length exceeding 30 m (kg)				
				31 – 40m	41 – 50m	51 – 60m	61 – 70m	71 – 75m
1 : 1 system	PUHZ-ZRP35	50m or less	2.2kg	0.2kg	0.4kg			
	PUHZ-ZRP50		2.4kg	0.2kg	0.4kg			
	PUHZ-ZRP71		3.5kg	0.6kg	1.2kg			
	PUHZ-SHW112,140	75m or less	5.5kg	0.6kg	1.2kg	1.8kg	2.4kg	
	PUHZ-ZRP100,125,140	75m or less	5.0kg	0.6kg	1.2kg	1.8kg	2.4kg	

Type	Outdoor unit	Permitted pipe length	Amount of unit filling refrigerant (kg)	Additional refrigerant charging amount for pipe length exceeding 30 m (kg)				
				31 – 40m	41 – 50m	51 – 60m	61– 70m	71 – 75m
Twin Triple system	PUHZ-ZRP71	50m or less	3.5kg	0.6kg	1.2kg			
	PUHZ-SHW112,140	75m or less	5.5kg	0.6kg	1.2kg	1.8kg	2.4kg	
	PUHZ-ZRP100,125,140	75m or less	5.0kg	0.6kg	1.2kg	1.8kg	2.4kg	

■ PUHZ-ZRP200YKA3
PUHZ-ZRP250YKA3

1. 1:1 SYSTEM
(1) Pipe length

<Table 1> Maximum pipe length (ZRP200, ZRP250)

Liquid pipe (mm)	O.D.	ϕ9.52				ϕ12.7				ϕ15.88			
	Thick-ness	t0.8				t0.8				t1.0			
Gas pipe (mm)	O.D.	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
	Thick-ness	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.1
ZRP200		□ 20m [20m]	□ 50m [30m]	Standard size ○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
ZRP250		□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	Standard size ○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]

Note : Be sure to use hard (tempered) one for pipe over ϕ22.2.

<Marks in the table above>

○ : It can be used.
□ : Cooling capacity is lowered.
△ : Additional refrigerant charge is required when the pipe length exceeds 20m.

100m — The maximum pipe length
[30m] — Charge-less pipe length

(2) Adjusting the amount of refrigerant

Check additional refrigerant charging amount referring to table 7 when the liquid pipe diameter is 1 size larger than the standard size, and table 2 when the pipe of the standard diameter is used.

<Table 2>

Outdoor unit	permitted pipe length	Initial charge (kg)	Amount of additional refrigerant charge (kg)					
			30 m and less	31-40 m and less	41-50 m and less	51-60 m and less	61-70 m and less	71-100 m and less
ZRP200	100m or less	7.1	No additional charge necessary	0.9 kg	1.8 kg	2.7 kg	3.6 kg	The additional charge amount is obtained by the following formula.
ZRP250		7.7		1.2 kg	2.4 kg	3.6 kg	4.8 kg	

When length exceeds 70 m

When the total length of the piping exceeds 70 m, calculate the amount of additional charge based on the following requirements.
Note: If the calculation produces a negative number (i.e. a “minus” charge), of if calculation results in an amount that is less than the “Additional charage amount for 70 m”, perform the additional charge using the amount shown in “Additional charge amount for 70 m”.

Amount of additional charge	=	Main piping: Liquid line size ø12.7 overall length × 0.11	+	Main piping: Liquid line size ø9.52 overall length × 0.09 (Gas line: ø25.4)	+	Branch piping: Liquid line size ø9.52 overall length × 0.06 (Gas line: ø15.88)	+	Branch piping: Liquid line size ø6.35 overall length × 0.02	–	3.6 (kg)
(kg)		(m) × 0.11 (kg/m)		(m) × 0.09 (kg/m)		(m) × 0.06 (kg/m)		(m) × 0.02 (kg/m)		

Additional charge amount for 70 meters	ZRP200	3.6 kg
	ZRP250	4.8 kg

•If the wiring connecting the indoor and outdoor units is longer than 80m, use separate indoor /outdoor unit power supplies.

2. TWIN, TRIPLE AND QUADRUPLE SYSTEM

(1) Twin

<Table 3> Maximum pipe length (Main pipe[A]+Branch pipe diameter [B and C])

			ZRP200 twin (100×2)												ZRP250 twin (125×2)											
Main pipe	Liquid pipe		ϕ9.52				ϕ12.7				ϕ15.88				ϕ9.52				ϕ12.7				ϕ15.88			
(mm)[A]	Gas pipe		ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
Branch pipe [mm] [B, C]	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	Standard size ○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	Standard size ○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ15.88																								
	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								
	Liquid pipe	ϕ12.7	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								

• Be sure to use hard (tempered) one for pipe over ϕ22.2.

(2) Triple

<Table 4> Maximum pipe length (Main pipe [A] + Branch pipe [B, C and D])

			ZRP200 triple (60×3)												ZRP250 triple (71×3)											
Main pipe	Liquid pipe		ϕ9.52				ϕ12.7				ϕ15.88				ϕ9.52				ϕ12.7				ϕ15.88			
(mm)[A]	Gas pipe		ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
Branch pipe [mm] [B, C, D]	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	Standard size ○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	Standard size ○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ15.88																								
	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								
	Liquid pipe	ϕ12.7	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								

• Be sure to use hard (tempered) one for pipe over ϕ22.2.

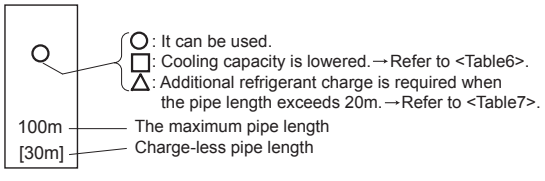
(3) Quadruple

<Table 5> Maximum pipe length (Main pipe[A]+Branch pipe [B, C, D and E])

			ZRP200 quadruple (50×4)												ZRP250 quadruple (60×4)											
Main pipe	Liquid pipe		ϕ9.52				ϕ12.7				ϕ15.88				ϕ9.52				ϕ12.7				ϕ15.88			
(mm)[A]	Gas pipe		ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
Branch pipe [mm] [B, C, D, E]	Liquid pipe	ϕ6.35	□ 20m [20m]	□ 50m [30m]	Standard size ○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]												
	Gas pipe	ϕ12.7																								
	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	Standard size ○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ15.88																								
	Liquid pipe	ϕ9.52	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]	□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								
	Liquid pipe	ϕ12.7													□ 20m [20m]	□ 50m [30m]	○ 120m [30m]	○ 120m [30m]	□ 20m [20m]	□ 50m [30m]	○ 100m [30m]	○ 100m [30m]	△□ 50m [20m]	△ 50m [20m]	△ 50m [20m]	△ 50m [20m]
	Gas pipe	ϕ19.05																								

• Be sure to use hard (tempered) one for pipe over ϕ22.2.

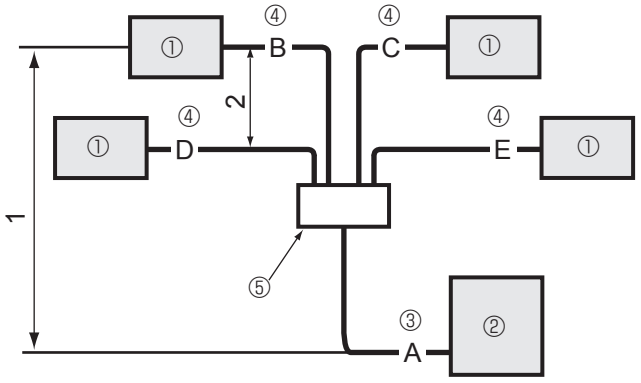
<Marks in the table above>



Pipe diameter and thickness

OD (mm)	ϕ6.35	ϕ9.52	ϕ12.7	ϕ15.88	ϕ19.05	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
Thickness (mm)	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.1

Be sure to use hard (tempered) one for pipe over ϕ 22.2.



① Indoor unit
② Outdoor unit
③ Main piping
④ Branch piping
⑤ Multi distribution pipe (option)

1 Height difference (Indoor unit-Outdoor unit) Max. 30 m

2 Height difference (Indoor unit-Indoor unit) Max. 1 m

3 Distance between indoor and indoor units pipe length. Max. 8m

|B—C||B—D||B—E|
|C—D||C—E||D—E|

4 Number of pipe bends
Within 15 points
8 points between main pipe A and each branch pipe (B, C, D, E).

<Table 6> Lowered cooling capacity by the smaller gas pipe diameter

Pipe length	Cooling capacity ratio	
	gas pipe ϕ22.2	gas pipe ϕ19.05
5m and less	100%	100%
6-10m	100-95%	100-88%
11-20m	95-88%	88-77%
21-30m	88-83%	—
31-40m	83-79%	—
41-50m	79-75%	—

<Table 7> Additional refrigerant amount when the liquid pipe of the larger diameter is used.
(Single /Simultaneous Twin / Simultaneous Triple / Simultaneous Quadruple)

Capacity	When the extension pipe length (main piping + branch piping) exceeds 20m
ZRP200, ZRP250	Additional refrigerant amount $\triangle W(g)=(180\times L_1)+(120\times L_2)$ $(90\times L_3)+(30\times L_4)-3000$

L_1 : ϕ15.88 liquid pipe (m) L_2 : ϕ12.7 liquid pipe (m)
L_3 : ϕ9.52 liquid pipe (m) L_4 : ϕ6.35 liquid pipe (m)

If the calculation produces a negative number (i.e. a "minus" charge), additional charging is not necessary.
($\triangle W \leqq 0$)

<Table 8>

Outdoor unit	Permissible total piping length A+B+C+D+E	A+B or A+C or A+D or A+E	Charge-less piping length A+B+C+D+E
ZRP200 ZRP250	100 m and less	100 m and less	30 m and less

<Table 9>

Outdoor unit	|B-C| or |B-D| or |B-E| or |C-D| or |C-E| or |D-E|	Number of pipe bends
ZRP200 ZRP250	8 m and less	Within 15

<Table 10>

Outdoor unit	permitted pipe length	At time of shipping (kg)	A+B+C+D Amount of additional refrigerant charge (kg)					
			30 m and less	31-40 m and less	41-50 m and less	51-60 m and less	61-70 m and less	71-120 m and less
ZRP200	100m or less	7.1	No additional charge necessary	0.9 kg	1.8 kg	2.7 kg	3.6 kg	The additional charge amount is obtained by the following formula.
ZRP250		7.7		1.2 kg	2.4 kg	3.6 kg	4.8 kg	

When length exceeds 70 m

When the total length of the piping exceeds 70 m, calculate the amount of additional charge based on the following requirements.
Note: If the calculation produces a negative number (i.e. a "minus" charge), or if calculation results in an amount that is less than the "Additional charge amount for 70 m,"perform the additional charge using the amount shown in "Additional charge amount for 70 m."

Amount of additional charge	=	Main piping: Liquid line size ϕ12.7 overall length 0.11	+	Main piping: Liquid line size ϕ9.52 overall length 0.09 (Gas line:ϕ28.58)	+	Branch piping: Liquid line size ϕ9.52 overall length 0.06 (Gas line: ϕ15.88)	+	Branch piping: Liquid line size ϕ6.35 overall length 0.02 (Gas line: ϕ15.88)	−	3.6 (kg)

Additional charge amount for 70 m	ZRP200	3.6 kg
	ZRP250	4.8 kg

1. Perform refrigerant piping connections for the indoor / outdoor unit while the outdoor unit's stop valve is completely closed (Initial setting), and then vacuumize the refrigerant lines through the service port of the outdoor unit.
2. Open the stop valves of the outdoor unit completely.
   This will completely connects the refrigerant circuits of the indoor and outdoor units.
   Stop valve opening method is shown on the outdoor unit's installation manual.

Note :

- Apply refrigerating machine oil over the flare seat surface. Do not apply to the threaded portion. (It will cause the flare nut to loosen.)
- Use 2 wrenches to tighten piping connection.
- Use leak detector or soapy water to check for gas leaks after connections are completed.
- For the insulation of the connection at the indoor side, make sure to use the attached insulation materials and thoroughly follow the instruction shown in the manual.
- Always use a non-oxidizing brazing material when brazing the pipes.

Adjusting the amount of refrigerant

Check additional refrigerant charging amount referring to the procedure ② below when the liquid pipe diameter of the main piping A is larger than the standard size.

① When the standard diameter pipe is used for the main piping A, calculate the additional refrigerant amount by referring to <Table 2> as well as the 1:1 system.

② When the liquid pipe diameter of the main piping A is one size larger than the standard size:

- When the extension pipe length (main piping + branch piping) does not exceed 20m, adjustment of the refrigerant is not necessary (charge-less).
- When the extension pipe length (main piping + branch piping) exceeds 20m, charge the amount of refrigerant that is obtained by the formula shown in <Table 7>.

If the calculation produces a negative number (i.e. a "minus" charge), additional charging is not necessary.
Note: Apply 0 to L_1, L_2, L_3 and L_4 which correspond to the liquid pipe size that are not used.

Correcting the capacity value

When calculating the lowered capacity by the extension pipe length, use the longest length between the indoor and the outdoor units.

■ PUHZ-P100VKA PUHZ-P125VKA PUHZ-P140VKA PUHZ-P200YKA3
PUHZ-P100YKA PUHZ-P125YKA PUHZ-P140YKA PUHZ-P250YKA3

1. PIPE LENGTH

1-1. 1:1 SYSTEM and 1:2(1 indoor / 2 outdoor) SYSTEM

<Table 1-1> Maximum pipe length (P100,P125,P140)

Liquid pipe (mm)	OD	ø9.52			ø12.7	
	Thickness	t0.8			t0.8	
Gas pipe (mm)	OD	ø12.7	ø15.88	ø19.05	ø15.88	ø19.05
	Thickness	t0.8	t1.0	t1.0	t1.0	t1.0
P100			Standard size 50m [30m]	○ 50m [30m]	△ 25m [10m]	△ 25m [10m]
P125,P140			Standard size 50m [30m]	○ 50m [30m]	△ 30m [10m]	△ 30m [10m]

<Marks in the table>

○: It can be used.
□: Cooling capacity is lowered.
△: Additional refrigerant charge is required when the pipe length exceeds 10m(P100-140)/20m(P200, 250).

50m [20m] — The maximum pipe length / Charge-less pipe length

<Table 1-2> Maximum pipe length (P200, P250)

Liquid pipe (mm)	OD	ϕ9.52			ϕ12.7			ϕ15.88			
	Thickness	t0.8			t0.8			t1.0			
Gas pipe (mm)	OD	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
	Thickness	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0
P200		□ 50m [30m]	Standard size 70m [30m]	○ 70m [30m]	□△ 50m [20m]	○ 50m [20m]	○ 50m [20m]	□△ 40m [20m]	△ 40m [20m]	△ 40m [20m]	△ 40m [20m]
P250		□ 50m [30m]	○ 70m [30m]	○ 70m [30m]	□ 50m [30m]	Standard size 70m [30m]	○ 70m [30m]	□△ 45m [20m]	△ 45m [20m]	△ 45m [20m]	△ 45m [20m]

Note : Be sure to use hard (tempered) one for pipe over ϕ22.2.(Do not use soft (annealed) one.)

1-2. TWIN TRIPLE AND QUADRUPLE SYSTEM

(1) TWIN SYSTEM

<Table 2-1> Maximum pipe length(P100,P125,P140)

			P100(50×2)			P125(60×2)·P140(71×2)		
Main pipe (mm) [A]	Liquid pipe		ø9.52	ø9.52	ø12.7	ø9.52	ø9.52	ø12.7
	Gas pipe		ø15.88	ø19.05	ø19.05	ø15.88	ø19.05	ø19.05
Branch pipe (mm) [B, C]	Liquid pipe	ø6.35	Standard size 50m [30m]	○ 50m [30m]	△ 25m [10m]			
	Gas pipe	ø12.7						
	Liquid pipe	ø9.52	○ 50m [20m]	○ 50m [20m]	△ 25m [10m]	Standard size 50m [30m]	○ 50m [30m]	△ 30m [10m]
	Gas pipe	ø15.88						

<Table 2-2> Maximum pipe length(P200, P250)

			P200(100x2)										P250(125x2)									
Main pipe (mm) [A]	Liquid pipe	O.D.	ϕ9.52			ϕ12.7			ϕ15.88				ϕ9.52			ϕ12.7			ϕ15.88			
		Thickness	t0.8			t0.8			t1.0				t0.8			t0.8			t1.0			
	Gas pipe	O.D.	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
		Thickness	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.1	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.1
Branch pipe (mm) [B,C]	Liquid pipe	ϕ9.52	□	Standard size	○	□△	△	△	□△	△	△	△	□	○	○	□	Standard size	○	□△	△	△	△
	Gas pipe	ϕ15.88	50m [30m]	70m [30m]	70m [30m]	50m [20m]	50m [20m]	50m [20m]	40m [20m]	40m [20m]	40m [20m]	40m [20m]	50m [30m]	70m [30m]	70m [30m]	50m [30m]	70m [30m]	70m [30m]	45m [20m]	45m [20m]	45m [20m]	45m [20m]

(2) TRIPLE SYSTEM

<Table 3-1> Maximum pipe length(P140)

			P140(50×3)		
Main pipe (mm) [A]	Liquid pipe		ø9.52	ø9.52	ø12.7
	Gas pipe		ø15.88	ø19.05	ø19.05
Branch pipe (mm) [B, C, D]	Liquid pipe	ø6.35	Standard size 50m [30m]	○ 50m [30m]	△ 30m [10m]
	Gas pipe	ø12.7			
	Liquid pipe	ø9.52	○ 50m [30m]	○ 50m [30m]	△ 30m [10m]
	Gas pipe	ø15.88			

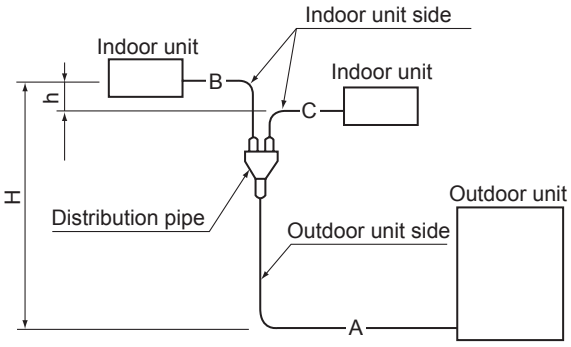
<Table 3-2> Maximum pipe length(P200, P250)

			P200(60x3)										P250(71x3)									
Main pipe (mm) [A]	Liquid pipe	O.D.	ϕ9.52			ϕ12.7			ϕ15.88				ϕ9.52			ϕ12.7			ϕ15.88			
		Thickness	t0.8			t0.8			t1.0				t0.8			t0.8			t1.0			
	Gas pipe	O.D.	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
		Thickness	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.1	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.1
Branch pipe (mm) [B,C]	Liquid pipe	ϕ9.52	□	Standard size	○	□△	△	△	□△	△	△	△	□	○	○	□	Standard size	○	□△	△	△	△
	Gas pipe	ϕ15.88	50m [30m]	70m [30m]	70m [30m]	50m [20m]	50m [20m]	50m [20m]	40m [20m]	40m [20m]	40m [20m]	40m [20m]	50m [30m]	70m [30m]	70m [30m]	50m [30m]	70m [30m]	70m [30m]	45m [20m]	45m [20m]	45m [20m]	45m [20m]

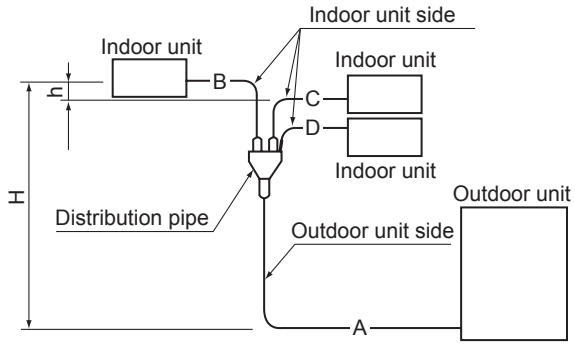
(3) QUADRUPLE SYSTEM

<Table 4> Maximum pipe length(P200,P250)

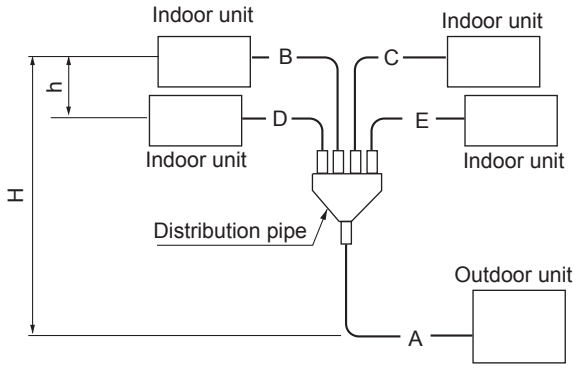
Main pipe (mm) [A]			P200(50x4)										P250(60x4)									
	Liquid pipe	O.D.	ϕ9.52			ϕ12.7			ϕ15.88				ϕ9.52			ϕ12.7			ϕ15.88			
		Thickness	t0.8			t0.8			t1.0				t0.8			t0.8			t1.0			
	Gas pipe	O.D.	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ22.2	ϕ25.4	ϕ28.58	ϕ31.75
		Thickness	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.1	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.0	t1.1
Branch pipe (mm) [B,C]	Liquid pipe	ϕ6.35	□	Standard size	○	□△	△	△	□△	△	△	△										
	Gas pipe	ϕ12.7	50m [30m]	70m [30m]	70m [30m]	50m [20m]	50m [20m]	50m [20m]	40m [20m]	40m [20m]	40m [20m]	40m [20m]										
	Liquid pipe	ϕ9.52	□	○	○	□△	△	△	□△	△	△	△	□	○	○	□	Standard size	○	□△	△	△	△
	Gas pipe	ϕ15.88	50m [30m]	70m [30m]	70m [30m]	50m [20m]	50m [20m]	50m [20m]	40m [20m]	40m [20m]	40m [20m]	40m [20m]	50m [30m]	70m [30m]	70m [30m]	50m [30m]	70m [30m]	70m [30m]	45m [20m]	45m [20m]	45m [20m]	45m [20m]



<TWIN SYSTEM>
Total length A + B + C
P100,125,140: 50 m
P200, 250: 70 m



<TRIPLE SYSTEM>
Total length A + B + C + D
P140: 50 m
P200, 250: 70 m



<QUADRUPLE SYSTEM>
Total length A + B + C + D + E
P200, 250 : 70 m

(4) Pipe size and refrigerant pipe limits

	Outdoor unit	Pipe size (mm)<inch>				Actual piping length <m>			Height deffence <m>		(Note 1) No. of bend
		Gas side		Liquid side		Total length	Indoor ~ Indoor	Branch pipe B, C, D	Indoor ~ Outdoor	Indoor ~ Indoor	
		Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side	A+B+C+D+E					
TWIN	100,125,140	ϕ15.88 <5/8>	50 ϕ12.7<1/2> 60,71 ϕ15.88<5/8>	ϕ9.52<3/8>	50 ϕ6.35<1/4> 60,71 ϕ9.52<3/8>	50m	|B-C| 8m	20m	H30m	h 1m	15
TRIPLE	140						|B-C||C-D||B-D| 8m				
TWIN	200, 250	ϕ25.4 <1>	60,71 100, 125 ϕ15.88<5/8>	ϕ9.52<3/8> (P200) ϕ12.7<1/2> (P250)	60,71 100, 125 ϕ9.52<3/8>	70m	|B-C| 8m	30m			
TRIPLE							|B-C||C-D||B-D| 8m				
QUADRUPLE			50 ϕ12.7<1/2> 60 ϕ15.88<5/8>		50 ϕ6.35<1/4> 60 ϕ9.52<3/8>		|B-C||B-D||B-E| |C-D||C-D||C-E| 8m				

Note1. The number of bends in the refrigerant pipe is respectively 8 or less in the range of <A+B> <A+C> <A+D>.
2. PUHZ-P100: 20 m chargeless PUHZ-P125-250: 30 m chargeless

■PUHZ-SP100YKA
PUHZ-SP125VKA
PUHZ-SP125YKA
PUHZ-SP140VKA
PUHZ-SP140YKA

1. PIPE LENGTH
1:1 SYSTEM

<Table 1> Maximum pipe length

Liquid pipe (mm)	OD	ø9.52			ø12.7	
	Thickness	t0.8			t0.8	
Gas pipe (mm)	OD	ø12.7	ø15.88	ø19.05	ø15.88	ø19.05
	Thickness	t0.8	t1.0	t1.0	t1.0	t1.0
SP100			Standard size 30 m [30 m]	○ 30 m [30 m]	△ 25 m [10 m]	△ 25 m [10 m]
SP125, 140			Standard size 40 m [30 m]	○ 40 m [30 m]	△ 30 m [10 m]	△ 30 m [10 m]

<Marks in the table>

○: It can be used.
□: Cooling capacity is lowered.
△: Additional refrigerant charge is required when the pipe length exceeds 10 m(SP100–140).

30 m — The maximum pipe length
[20 m] — Charge-less pipe length

2. ADJUSTING THE AMOUNT OF REFRIGERANT

• Check additional refrigerant charging amount referring to table 2, 3 when liquid pipe is one size larger than standard diameter.

<Table 2> Required additional charge when the liquid pipe is one size larger than the standard diameter (1:1 SYSTEM)

	Liquid pipe dia.	Chargeless	Max. pipe length	Refrigerant amount to be added
SP100	ϕ12.7	10 m	25 m	100 g per 1 m longer than 10 m
SP125,SP140	ϕ12.7	10 m	30 m	100 g per 1 m longer than 10 m

If the calculation produces a negative number (△W ≦ 0), additional charging is not necessary.

<Table 3> Additional refrigerant charging amount for pipe of standard diameter

Outdoor unit	Max. pipe length	Amount of unit filling refrigerant (kg)	Additional refrigerant charging amount for pipe length exceeding 30 m (kg)	
			21– 30 m	31– 40 m
PUHZ-SP100YKA	30 m	3.3 kg		
PUHZ-SP125VKA PUHZ-SP125YKA	40 m	3.8 kg		0.6kg
PUHZ-SP140VKA PUHZ-SP140YKA	40 m	3.8 kg		0.6kg

A.9.4 ELECTRICAL WORK

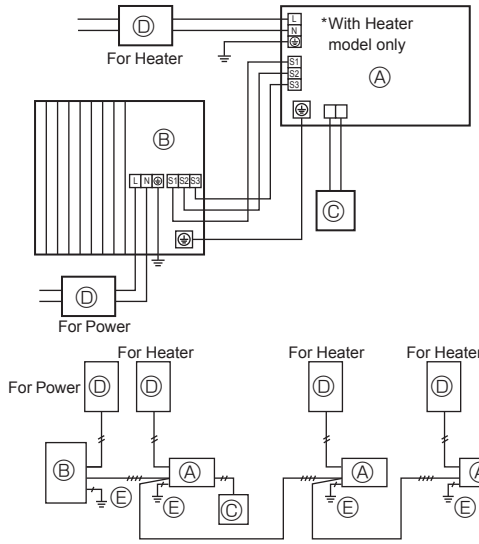
1. PUHZ-SHW112VHA
PUHZ-SHW112YHA
PUHZ-SHW140VHA
PUHZ-SHW140YHA

PUZ-ZM71VHA
PUZ-ZM100VKA
PUZ-ZM100YKA
PUZ-ZM125VKA
PUZ-ZM125YKA
PUZ-ZM140VKA
PUZ-ZM140YKA

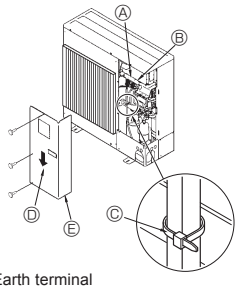
PUHZ-ZRP71VHA2
PUHZ-ZRP100VKA3
PUHZ-ZRP100YKA3
PUHZ-ZRP125VKA3
PUHZ-ZRP125YKA3
PUHZ-ZRP140VKA3
PUHZ-ZRP140YKA3

PUHZ-P100VKA
PUHZ-P100YKA
PUHZ-P125VKA
PUHZ-P125YKA
PUHZ-P140VKA
PUHZ-P140YKA

PUHZ-SP100VKA
PUHZ-SP100YKA
PUHZ-SP125VKA
PUHZ-SP125YKA
PUHZ-SP140VKA
PUHZ-SP140YKA

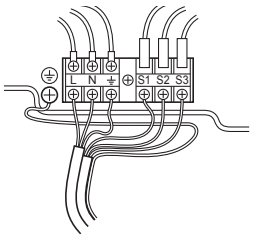


Ⓐ Indoor unit
Ⓑ Outdoor unit
Ⓒ Remote controller
Ⓓ Main switch (Breaker)
Ⓔ Earth

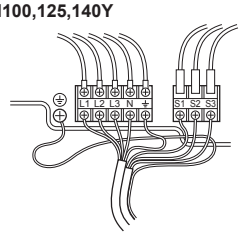


Ⓐ Earth terminal
Ⓑ Terminal block
Ⓒ Clamp
Ⓓ Service panel
Ⓔ Wire the cables so that they do not contact the center of the service panel or the gas valve.

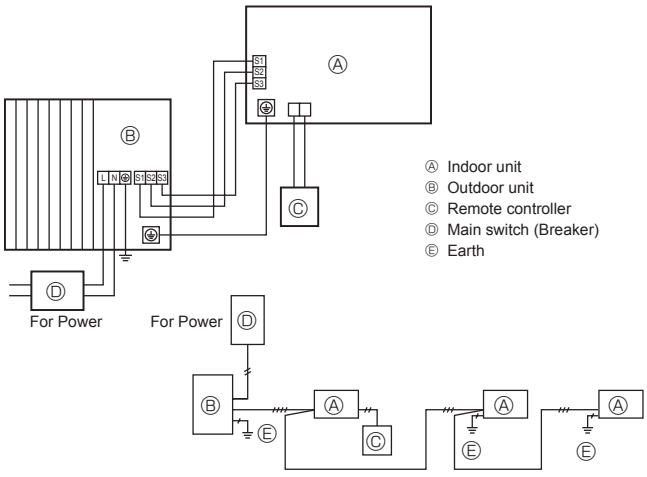
■ M71,100,125,140V



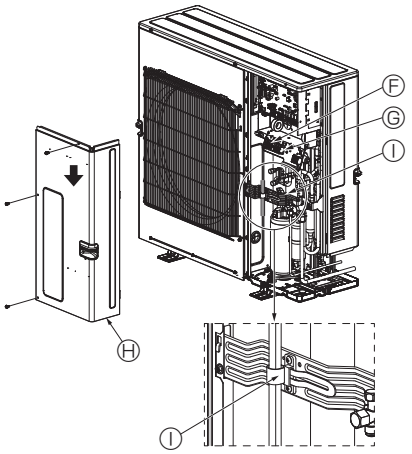
■ M100,125,140Y



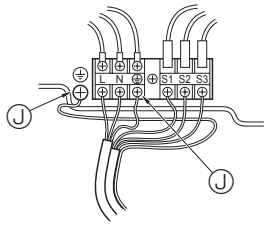
2. PUZ-M100VKA **PUZ-M125VKA** **PUZ-M140VKA**
PUZ-M100YKA **PUZ-M125YKA** **PUZ-M140YKA**



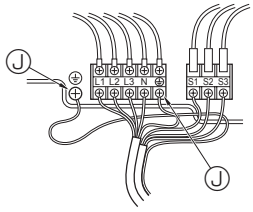
Ⓐ Indoor unit
Ⓑ Outdoor unit
Ⓒ Remote controller
Ⓓ Main switch (Breaker)
Ⓔ Earth



■ M100,125,140V



■ M100,125,140Y



Ⓕ Terminal block
Ⓖ Indoor/Outdoor connection terminal block (S1, S2, S3)
Ⓗ Service panel
Ⓘ Clamp
* Clamp the cables so that they do not contact the center of the service panel or the gas valve.
Ⓙ Earth terminal

Note :
If the protective sheet for the electrical box is removed during servicing, be sure to reinstall it.

⚠ Caution:
Be sure to install N-Line. Without N-Line, it could cause damage to unit.

3. PUZ-ZM200YKA PUZ-ZM250YKA
PUZ-M200YKA PUZ-M250YKA

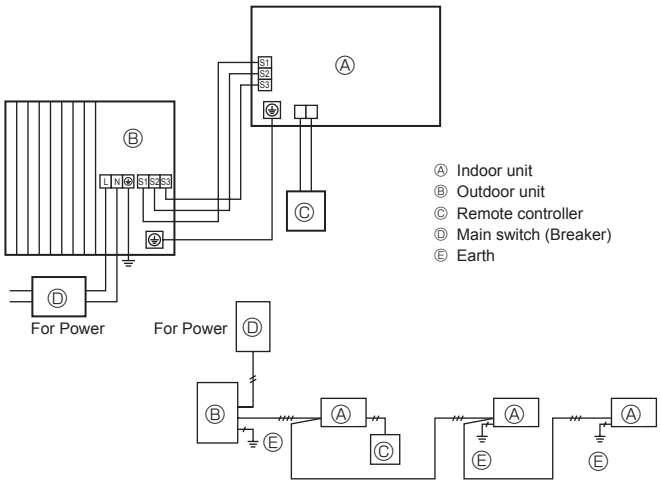


Fig. 6-1

■ ZM200, 250
M200, 250

■ ZM200, 250Y
M200, 250Y

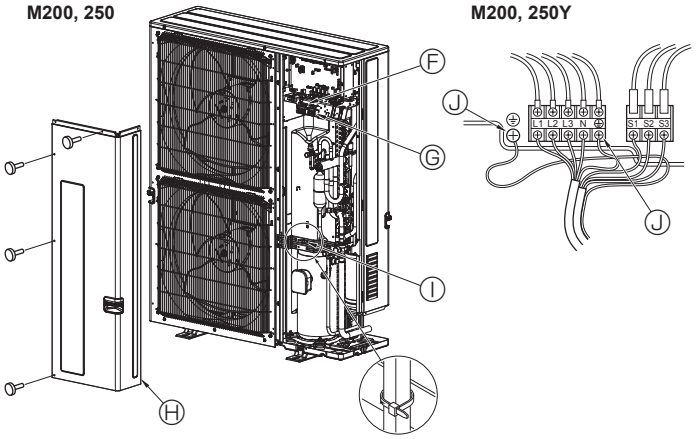


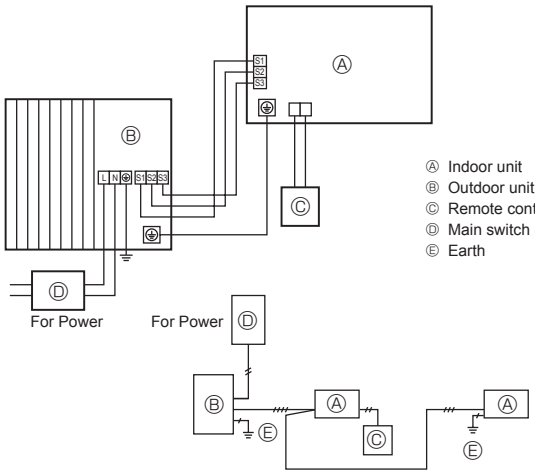
Fig. 6-2

Ⓕ Terminal block
Ⓖ Indoor/Outdoor connection terminal block (S1, S2, S3)
Ⓗ Service panel
Ⓘ Clamp
* Clamp the cables so that they do not contact the center of the service panel or the gas valve.
Ⓙ Earth terminal

Note :
If the protective sheet for the electrical box is removed during servicing, be sure to reinstall it.

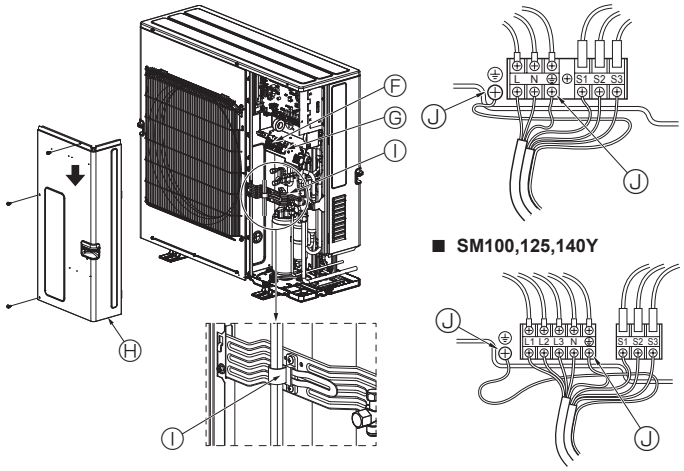
⚠ Caution:
Be sure to install N-Line. Without N-Line, it could cause damage to unit.

4. PUZ-SM100VKA PUZ-SM125VKA PUZ-SM140VKA
PUZ-SM100YKA PUZ-SM125YKA PUZ-SM140YKA



■ SM100,125,140V

■ SM100,125,140Y

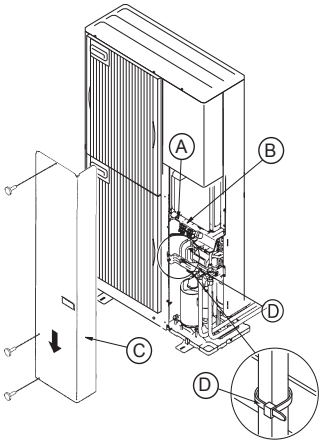


Ⓕ Terminal block
Ⓖ Indoor/Outdoor connection terminal block (S1, S2, S3)
Ⓗ Service panel
Ⓘ Clamp
* Clamp the cables so that they do not contact the center of the service panel or the gas valve.
Ⓙ Earth terminal

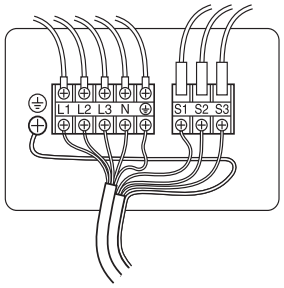
Note :
If the protective sheet for the electrical box is removed during servicing, be sure to reinstall it.

⚠ Caution:
Be sure to install N-Line. Without N-Line, it could cause damage to unit.

5. PUHZ-ZRP200YKA3 PUHZ-P200YKA3
PUHZ-ZRP250YKA3 PUHZ-P250YKA3

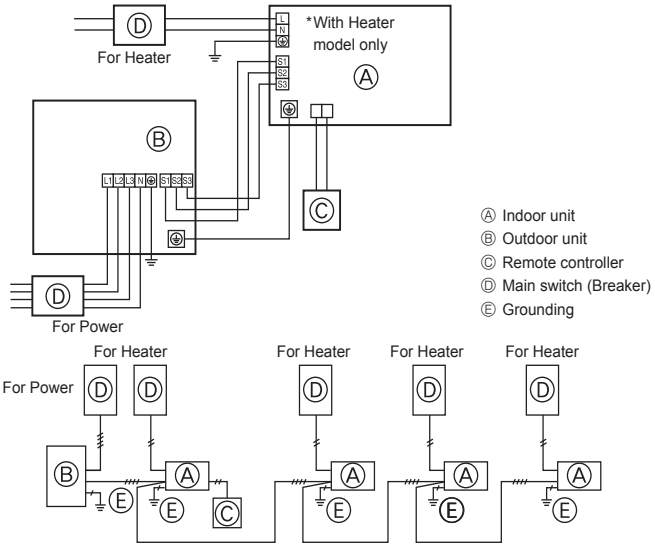


Note: If the protective sheet for the electrical box is removed during servicing, be sure to reinstall it.



Ⓐ Power supply terminal block (L1, L2, L3, N, ⏚)
Ⓑ Indoor/outdoor connection terminal block (S1, S2, S3)
Ⓒ Service panel
Ⓓ Clamp
* Clamp the cables so that they do not contact the center of the service panel or the gas valve.

* Except PEA-RP200, 250WKA



S series Model List

S series model
Combination Table

Models			Inverter Model									
Type			Heat pump									
Refrigerant			R32					R410A				
Type		Outdoor unit / Indoor unit	SUZ-M25VA	SUZ-M35VA	SUZ-M50VA	SUZ-M60VA	SUZ-M71VA	SUZ-KA25VA6	SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6
600×600 Ceiling cassette SLZ-M series	Heat pump	SLZ-M15FA	for Multi connection only					for Multi connection only				
		SLZ-M25FA	●					●				
		SLZ-M35FA		●					●			
		SLZ-M50FA			●					●		
		SLZ-M60FA				●					●	
Ceiling concealed SEZ-KD series	Heat pump	SEZ-M25DA	●					●				
		SEZ-M25DAL	●					●				
		SEZ-M35DA		●					●			
		SEZ-M35DAL		●					●			
		SEZ-M50DA			●					●		
		SEZ-M50DAL			●					●		
		SEZ-M60DA				●					●	
		SEZ-M60DAL				●					●	
		SEZ-M71DA					●					●
		SEZ-M71DAL					●					●

B.1 600×600 CEILING CASSETTE (SLZ)

B.1.1 SPECIFICATIONS

B.1.1.1 R32 type

Model Name	Indoor Unit				SLZ-M15FA	SLZ-M25FA	SLZ-M35FA	SLZ-M50FA	SLZ-M60FA
	Outdoor Unit				for Multi connection	SUZ-M25VA	SUZ-M35VA	SUZ-M50VA	SUZ-M60VA
Power Supply				Source	Outdoor power supply				
	Out			V	230	230	230	230	230
				Phase	Single	Single	Single	Single	Single
				Hz	50	50	50	50	50
	In			V	-	-	-	-	-
				Phase	-	-	-	-	-
				Hz	-	-	-	-	-
Refrigerant					R32	R32	R32	R32	R32
Cooling	Capacity	Rated		kW	-	2.5	3.5	4.6	5.7
		Max.		kW	-	3.2	3.9	5.2	6.3
		Min.		kW	-	1.4	0.7	1.0	1.5
	SHF	Rated			-	0.78	0.72	0.68	0.68
	Total Input	Rated		kW	-	0.650	1.09	1.350	1.670
	EER				-	3.80	3.20	3.40	3.40
	Annual Electricity Consumption			kWh/a	-	139	183	253	321
	SEER				-	6.3	6.7	6.3	6.2
		Energy efficiency class			-	A^{++}	A^{++}	A^{++}	A^{++}
Heating	Capacity	Rated		kW	-	3.2	4.0	5.0	6.4
		Max.		kW	-	4.2	5.0	5.5	7.3
		Min.		kW	-	1.3	1.0	1.3	1.6
	Total Input	Rated		kW	-	0.880	1.07	1.56	2.13
	COP				-	3.61	3.71	3.20	3.00
	Annual Electricity Consumption			kWh/a	-	716	843	1191	1559
	SCOP				-	4.3	4.3	4.2	4.1
		Energy efficiency class			-	A^{+}	A^{+}	A^{+}	A^{+}
Operating Current(max)				A	-	7.0	8.7	13.8	15.2
Indoor Unit	Input	Rated		kW	0.02	0.02	0.02	0.03	0.04
	Operating Current(max)			A	0.17	0.20	0.24	0.32	0.43
	Dimensions		Height	mm	245	245	245	245	245
			Width	mm	570	570	570	570	570
			Depth	mm	570	570	570	570	570
	Weight			kg	15.0	15.0	15.0	15.0	15.0
	Air Volume		Low	m^3/min.	6.0	6.5	6.5	7.0	7.5
			Mid2	m^3/min.	-	-	-	-	-
			Mid	m^3/min.	6.5	7.5	8.0	9.0	11.5
			Hi	m^3/min.	7.0	8.5	9.5	11.5	13.0
	External Static Pressure			Pa	-	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	24	25	25	27	32
			Mid2	dB(A)	-	-	-	-	-
			Mid	dB(A)	26	28	30	34	40
			Hi	dB(A)	28	31	34	39	43
	Sound Level (PWL)		Cooling		45	48	51	56	60
Outdoor Unit	Dimensions		Height	mm	-	550	550	714	880
			Width	mm	-	800	800	800	840
			Depth	mm	-	285	285	285	330
	Weight			kg	-	30	35	41	54
	Air Volume	Cooling	Rated	m^3/min.	-	36.3	34.3	45.8	50.1
		Heating	Rated	m^3/min.	-	34.6	32.7	43.7	50.1
	Sound Level (SPL)	Cooling	Rated	dB(A)	-	45	48	48	49
			Silent	dB(A)	-	-	-	-	-
		Heating	Rated	dB(A)	-	46	48	49	51
	Sound Level (PWL)		Cooling		-	59	59	64	65
	Operating Current(max)			A	-	6.8	8.5	13.5	14.8
	Breaker Size			A	-	10	10	20	20
Ext. Piping	Diameter	Liquid		mm	-	6.35	6.35	6.35	6.35
		Gas		mm	-	9.52	9.52	12.7	15.88
	Max. Length	Out-In		m	-	20	20	30	30
	Max. Height	Out-In	Below Indoor	m	-	12	12	30	30
			Above Indoor	m	-	12	12	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	-	+46	+46	+46	+46
			Lower Limit.	°C	-	-10	-10	-15	-15
		Heating	Upper Limit.	°C	-	+24	+24	+24	+24
			Lower Limit.	°C	-	-10	-10	-10	-10

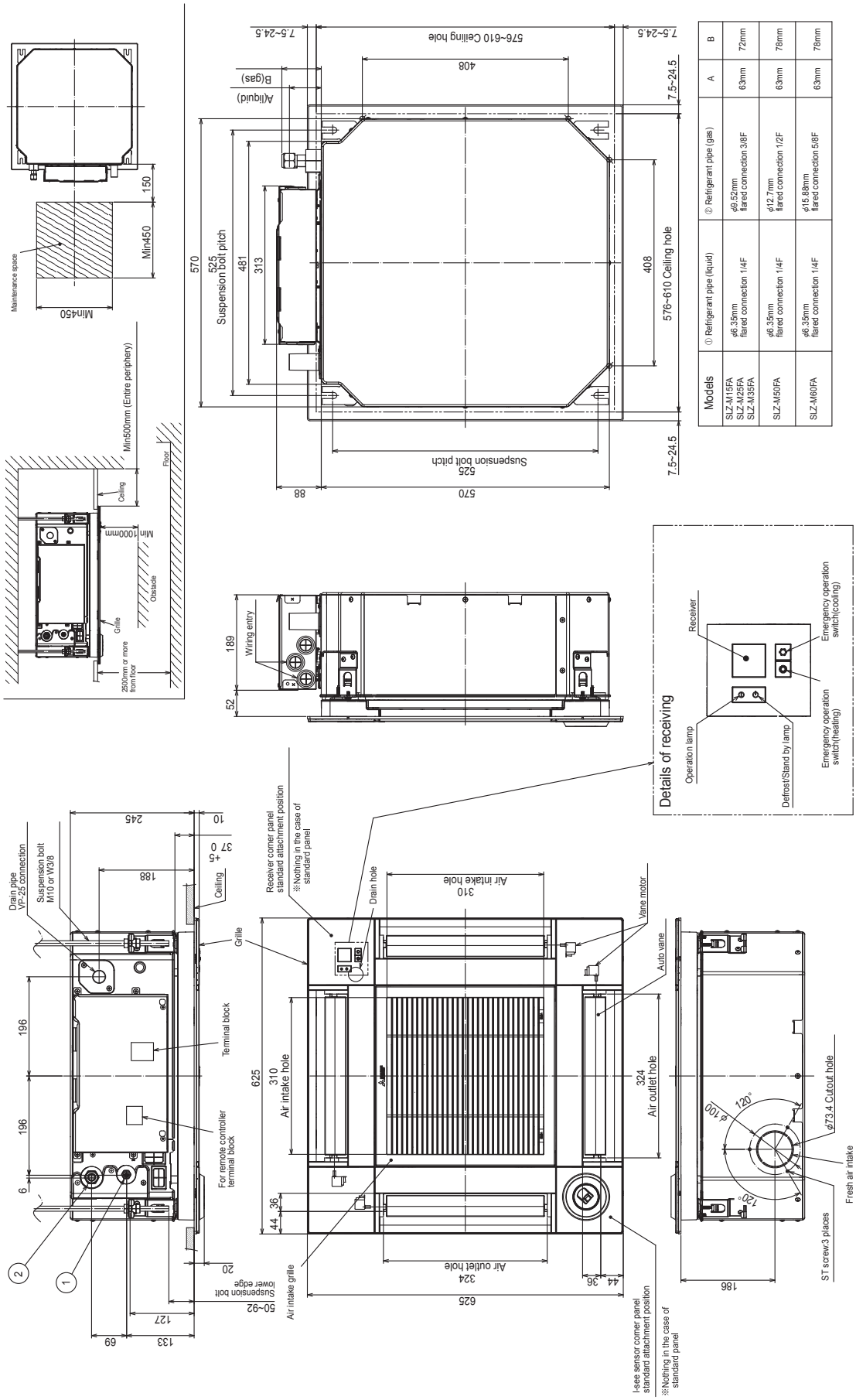
B.1.1.2 R410A type

Model Name	Indoor Unit				SLZ-M15FA	SLZ-M25FA	SLZ-M35FA	SLZ-M50FA	SLZ-M60FA
	Outdoor Unit				for Multi connection	SUZ-KA25VA6	SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6
Power Supply				Source	Outdoor power supply				
	Out			V	230	230	230	230	230
				Phase	Single	Single	Single	Single	Single
				Hz	50	50	50	50	50
	In			V	-	-	-	-	-
				Phase	-	-	-	-	-
				Hz	-	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	-	2.6	3.5	4.6	5.6
		Max.		kW	-	3.2	3.9	5.2	6.5
		Min.		kW	-	1.5	1.4	2.3	2.3
	SHF	Rated			-	0.78	0.72	0.68	0.68
	Total Input	Rated		kW	-	0.684	0.972	1.394	1.767
	EER				-	3.80	3.60	3.30	3.17
	Annual Electricity Consumption			kWh/a	-	144	188	256	316
	SEER				-	6.3	6.5	6.3	6.2
		Energy efficiency class			-	A^{++}	A^{++}	A^{++}	A^{++}
Heating	Capacity	Rated		kW	-	3.2	4.0	5.0	6.4
		Max.		kW	-	4.2	5.0	6.0	7.4
		Min.		kW	-	1.3	1.7	1.7	2.5
	Total Input	Rated		kW	-	0.886	1.108	1.558	2.278
	COP				-	3.61	3.61	3.21	2.81
	Annual Electricity Consumption			kWh/a	-	716	845	1172	1572
	SCOP				-	4.3	4.3	4.3	4.1
		Energy efficiency class			-	A^{+}	A^{+}	A^{+}	A^{+}
Operating Current(max)				A	-	7.2	8.4	12.3	14.4
Indoor Unit	Input	Rated		kW	0.02	0.02	0.02	0.03	0.04
	Operating Current(max)			A	0.17	0.20	0.24	0.32	0.43
	Dimensions		Height	mm	245	245	245	245	245
			Width	mm	570	570	570	570	570
			Depth	mm	570	570	570	570	570
	Weight			kg	15.0	15.0	15.0	15.0	15.0
	Air Volume		Low	m^3/min.	6.0	6.5	6.5	7.0	7.5
			Mid2	m^3/min.	-	-	-	-	-
			Mid	m^3/min.	6.5	7.5	8.0	9.0	11.5
			Hi	m^3/min.	7.0	8.5	9.5	11.5	13.0
	External Static Pressure			Pa	-	-	-	-	-
	Sound Level (SPL)		Low	dB(A)	24	25	25	27	32
			Mid2	dB(A)	-	-	-	-	-
			Mid	dB(A)	26	28	30	34	40
			Hi	dB(A)	28	31	34	39	43
	Sound Level (PWL)		Cooling		45	48	51	56	60
Outdoor Unit	Dimensions		Height	mm	-	550	550	880	880
			Width	mm	-	800	800	840	840
			Depth	mm	-	285	285	330	330
	Weight			kg	-	30	35	54	50
	Air Volume	Cooling	Rated	m^3/min.	-	32.6	36.3	44.6	40.9
		Heating	Rated	m^3/min.	-	34.7	34.8	44.6	49.2
	Sound Level (SPL)	Cooling	Rated	dB(A)	-	47	49	52	55
			Silent	dB(A)	-	-	-	-	-
		Heating	Rated	dB(A)	-	48	50	52	55
	Sound Level (PWL)		Cooling		-	58	62	65	65
	Operating Current(max)			A	-	7.0	8.2	12.0	14.0
	Breaker Size			A	-	10	10	20	20
Ext. Piping	Diameter	Liquid		mm	-	6.35	6.35	6.35	6.35
		Gas		mm	-	9.52	9.52	12.7	15.88
	Max. Length	Out-In		m	-	20	20	30	30
	Max. Height	Out-In	Below Indoor	m	-	12	12	30	30
			Above Indoor	m	-	12	12	30	30
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	-	+46	+46	+46	+46
			Lower Limit.	°C	-	-10	-10	-15	-15
		Heating	Upper Limit.	°C	-	+24	+24	+24	+24
			Lower Limit.	°C	-	-10	-10	-10	-10

B.1.2 OUTLINES AND DIMENSIONS
B.1.2.1 INDOOR UNIT

Unit : mm

SLZ-M15FA
SLZ-M25FA
SLZ-M35FA
SLZ-M50FA
SLZ-M60FA



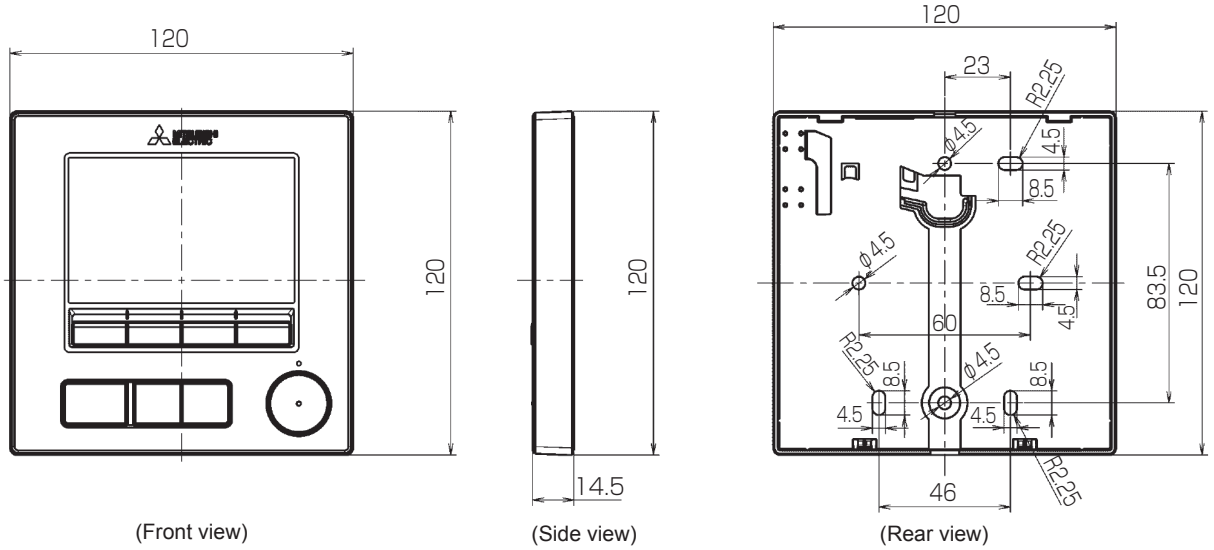
Models	① Refrigerant pipe (liquid)	② Refrigerant pipe (gas)	A	B
SLZ-M15FA SLZ-M25FA SLZ-M35FA	ø6.35mm flared connection 1/4F	ø9.52mm flared connection 3/8F	63mm	72mm
SLZ-M50FA	ø6.35mm flared connection 1/4F	ø12.7mm flared connection 1/2F	63mm	78mm
SLZ-M60FA	ø6.35mm flared connection 1/4F	ø15.88mm flared connection 5/8F	63mm	78mm

B.1.2.2 WIRED REMOTE CONTROLLER(Optional parts)

SLZ-M15FA
SLZ-M25FA
SLZ-M35FA
SLZ-M50FA
SLZ-M60FA

[PAR-40MAA]

Unit : mm

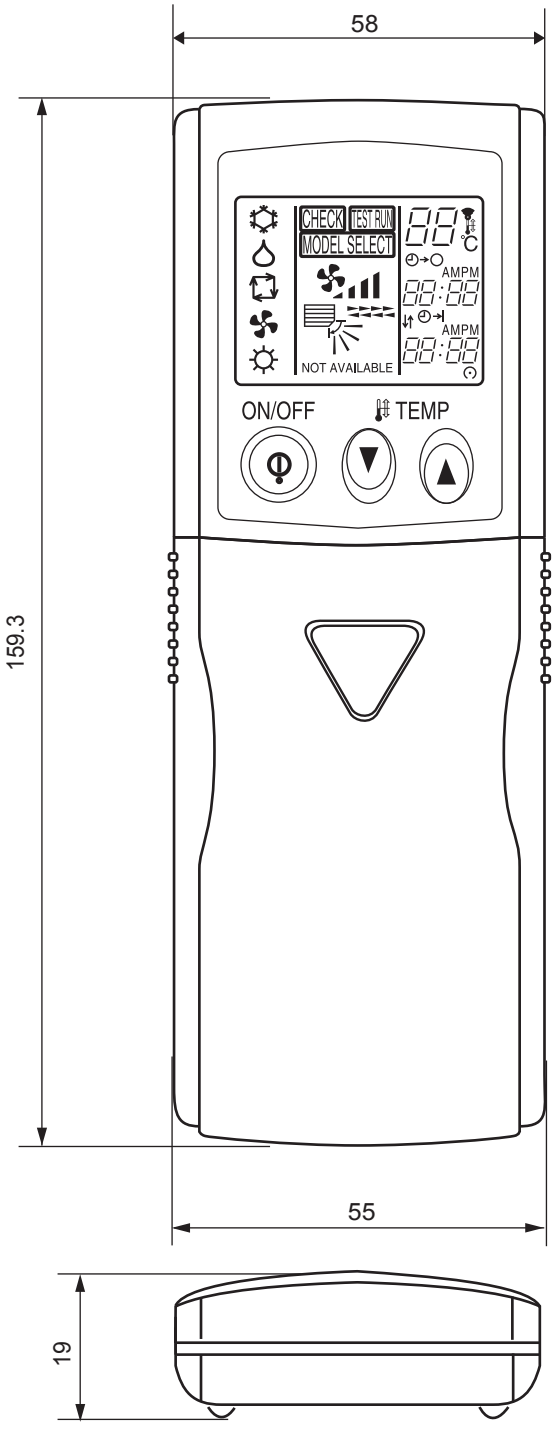


B.1.2.3 WIRELESS REMOTE CONTROLLER(Optional parts)

SLZ-M15FA
SLZ-M25FA
SLZ-M35FA
SLZ-M50FA
SLZ-M60FA

Unit : mm

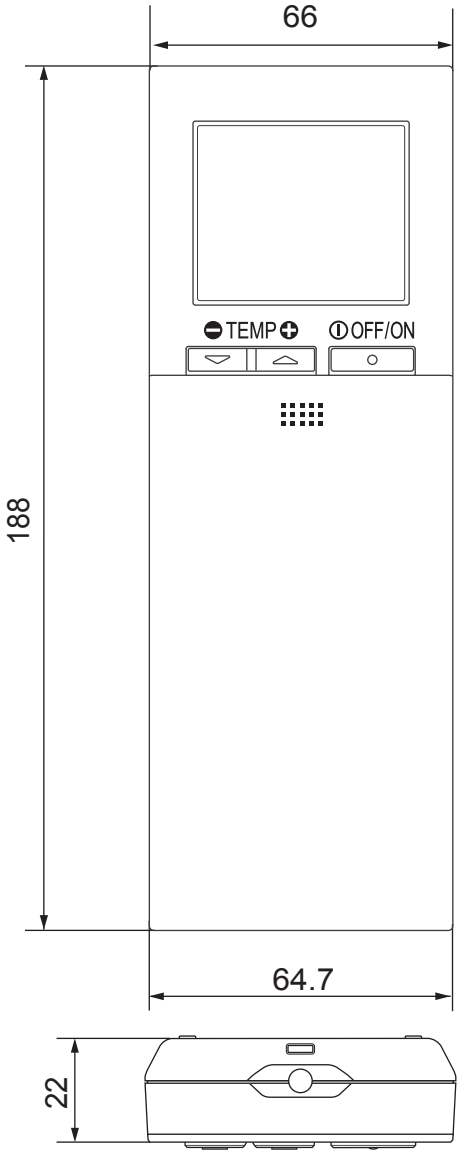
[PAR-SL97A-E]



SLZ-M15FA
SLZ-M25FA
SLZ-M35FA
SLZ-M50FA
SLZ-M60FA

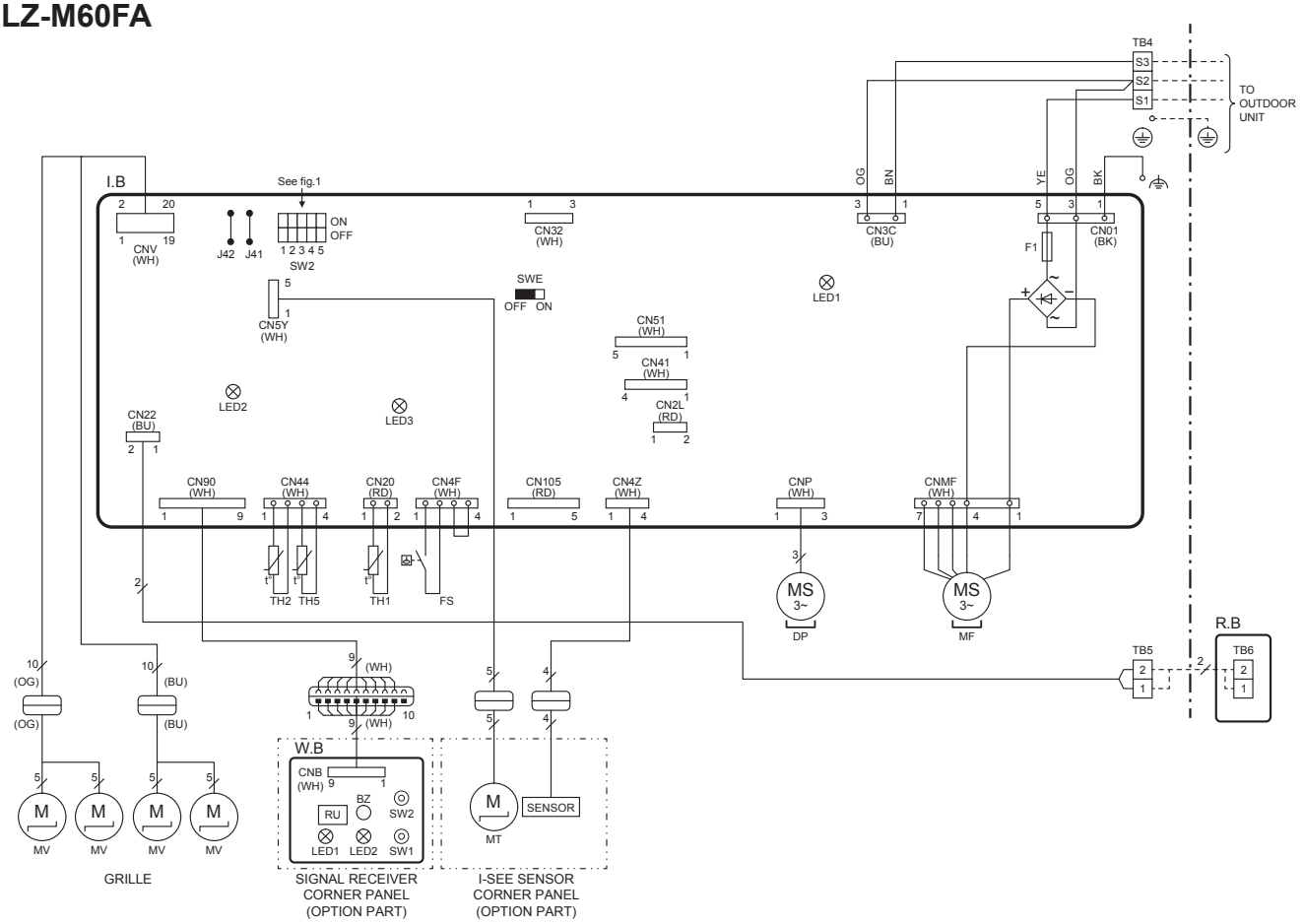
Unit : mm

[PAR-SL100A-E]



B.1.3 WIRING DIAGRAM

SLZ-M15FA
SLZ-M25FA
SLZ-M35FA
SLZ-M50FA
SLZ-M60FA



[LEGEND]

SYMBOL		NAME
I.B		INDOOR CONTROLLER BOARD
	CN2L	CONNECTOR (LOSSNAY)
	CN32	CONNECTOR (REMOTE SWITCH)
	CN41	CONNECTOR (HA TERMINAL-A)
	CN51	CONNECTOR (CENTRALLY CONTROL)
	CN105	CONNECTOR (IT)
	F1	FUSE (T6.3AL250V)
	J41	JUMPER WIRE (PAIR NUMBER SETTING WITH
	J42	WIRELESS REMOTE CONTROLLER)
	LED1	POWER SUPPLY (I.B)
	LED2	POWER SUPPLY (WIRED REMOTE CONTROLLER)
	LED3	COMMUNICATION (INDOOR-OUTDOOR)
	SW2	DIP SWITCH (CAPACITY CODE)
	SWE	JUMPER SWITCH (EMERGENCY OPERATION)
DP		DRAIN PUMP
FS		FLOAT SWITCH
MF		FAN MOTOR
MV		VANE MOTOR
TB4		TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
TB5, TB6		TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
TH1		ROOM TEMP. THERMISTOR
TH2		PIPE TEMP. THERMISTOR (LIQUID)
TH5		CONDENSER / EVAPORATOR TEMP. THERMISTOR
OPTION PART		
	W.B	WIRELESS REMOTE CONTROLLER BOARD
	BZ	BUZZER
	LED1	OPERATION (GREEN)
	LED2	DEFROST/STAND BY (ORANGE)
	RU	RECEIVING UNIT
	SW1	EMERGENCY OPERATION (HEAT)
	SW2	EMERGENCY OPERATION (COOL)
	MT	I-SEE SENSOR MOTOR
	R.B	WIRED REMOTE CONTROLLER

<fig.1>

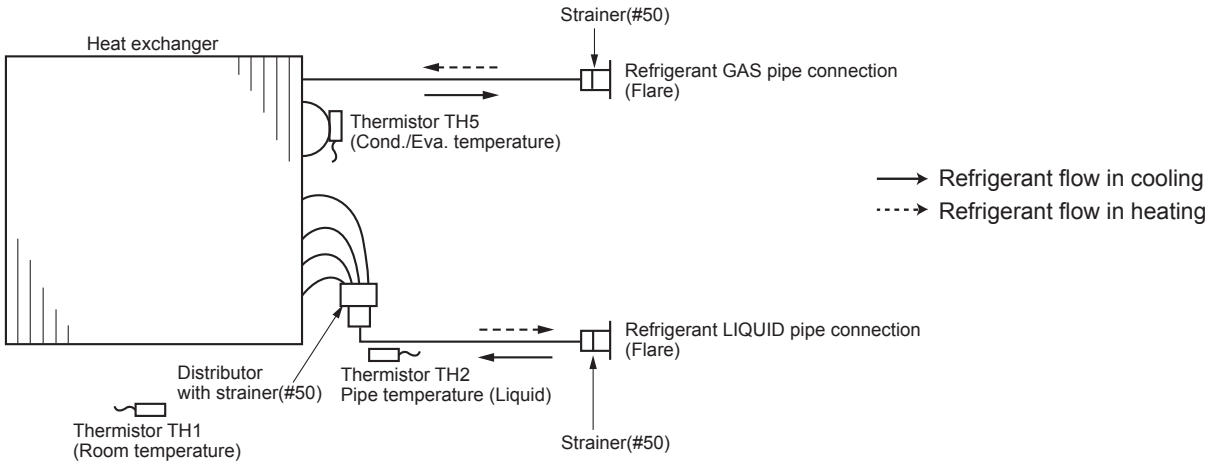
MODELS	SW2	MODELS	SW2	MODELS	SW2
M15	ON OFF 1 2 3 4 5	M35	ON OFF 1 2 3 4 5	M60	ON OFF 1 2 3 4 5
M25	ON OFF 1 2 3 4 5	M50	ON OFF 1 2 3 4 5		

The black square (■) indicates a switch position.

NOTES:
1. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3. Symbols used in wiring diagram are, ▭ ○○○ :Connector, ▭▭ :Terminal (block)
4. For details on how to operate self-diagnosis refer to the technical manuals etc.

B.1.4 REFRIGERANT SYSTEM DIAGRAM

SLZ-M15FA
SLZ-M25FA
SLZ-M35FA
SLZ-M50FA
SLZ-M60FA



B.1.5 PERFORMANCE DATA

B.1.5.1 R32 type

COOLING operation at Rated frequency
SLZ-M25FA / SUZ-M25VA
CAPACITY : 2.5(kW) INPUT :650(W) SHF :0.78

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.94	1.76	0.60	520	2.81	1.69	0.60	546	2.70	1.62	0.60	572	2.60	1.56	0.60	598
21	20	3.06	1.47	0.48	546	2.94	1.41	0.48	579	2.85	1.37	0.48	592	2.75	1.32	0.48	618
22	18	2.94	1.88	0.64	520	2.81	1.80	0.64	546	2.70	1.73	0.64	572	2.60	1.66	0.64	598
22	20	3.06	1.59	0.52	546	2.94	1.53	0.52	579	2.85	1.48	0.52	592	2.75	1.43	0.52	618
22	22	3.19	1.28	0.40	566	3.08	1.23	0.40	601	3.00	1.20	0.40	618	2.88	1.15	0.40	644
23	18	2.94	2.00	0.68	520	2.81	1.91	0.68	546	2.70	1.84	0.68	572	2.60	1.77	0.68	598
23	20	3.06	1.72	0.56	546	2.94	1.65	0.56	579	2.85	1.60	0.56	592	2.75	1.54	0.56	618
23	22	3.19	1.40	0.44	566	3.08	1.35	0.44	601	3.00	1.32	0.44	618	2.88	1.27	0.44	644
24	18	2.94	2.12	0.72	520	2.81	2.03	0.72	546	2.70	1.94	0.72	572	2.60	1.87	0.72	598
24	20	3.06	1.84	0.60	546	2.94	1.76	0.60	579	2.85	1.71	0.60	592	2.75	1.65	0.60	618
24	22	3.19	1.53	0.48	566	3.08	1.48	0.48	601	3.00	1.44	0.48	618	2.88	1.38	0.48	644
24	24	3.35	1.21	0.36	592	3.23	1.16	0.36	624	3.15	1.13	0.36	644	3.05	1.10	0.36	676
25	20	3.06	1.96	0.64	546	2.94	1.88	0.64	579	2.85	1.82	0.64	592	2.75	1.76	0.64	618
25	22	3.19	1.66	0.52	566	3.08	1.60	0.52	601	3.00	1.56	0.52	618	2.88	1.50	0.52	644
25	24	3.35	1.34	0.40	592	3.23	1.29	0.40	624	3.15	1.26	0.40	644	3.05	1.22	0.40	676
26	18	2.94	2.35	0.80	520	2.81	2.25	0.80	546	2.70	2.16	0.80	572	2.60	2.08	0.80	598
26	20	3.06	2.08	0.68	546	2.94	2.00	0.68	579	2.85	1.94	0.68	592	2.75	1.87	0.68	618
26	22	3.19	1.79	0.56	566	3.08	1.72	0.56	601	3.00	1.68	0.56	618	2.88	1.61	0.56	644
26	24	3.35	1.47	0.44	592	3.23	1.42	0.44	624	3.15	1.39	0.44	644	3.05	1.34	0.44	676
26	26	3.45	1.10	0.32	624	3.35	1.07	0.32	657	3.30	1.06	0.32	676	3.20	1.02	0.32	696
27	18	2.94	2.47	0.84	520	2.81	2.36	0.84	546	2.70	2.27	0.84	572	2.60	2.18	0.84	598
27	20	3.06	2.21	0.72	546	2.94	2.12	0.72	579	2.85	2.05	0.72	592	2.75	1.98	0.72	618
27	22	3.19	1.91	0.60	566	3.08	1.85	0.60	601	3.00	1.80	0.60	618	2.88	1.73	0.60	644
27	24	3.35	1.61	0.48	592	3.23	1.55	0.48	624	3.15	1.51	0.48	644	3.05	1.46	0.48	676
27	26	3.45	1.24	0.36	624	3.35	1.21	0.36	657	3.30	1.19	0.36	676	3.20	1.15	0.36	696
28	18	2.94	2.59	0.88	520	2.81	2.48	0.88	546	2.70	2.38	0.88	572	2.60	2.29	0.88	598
28	20	3.06	2.33	0.76	546	2.94	2.23	0.76	579	2.85	2.17	0.76	592	2.75	2.09	0.76	618
28	22	3.19	2.04	0.64	566	3.08	1.97	0.64	601	3.00	1.92	0.64	618	2.88	1.84	0.64	644
28	24	3.35	1.74	0.52	592	3.23	1.68	0.52	624	3.15	1.64	0.52	644	3.05	1.59	0.52	676
28	26	3.45	1.38	0.40	624	3.35	1.34	0.40	657	3.30	1.32	0.40	676	3.20	1.28	0.40	696
29	18	2.94	2.70	0.92	520	2.81	2.59	0.92	546	2.70	2.48	0.92	572	2.60	2.39	0.92	598
29	20	3.06	2.45	0.80	546	2.94	2.35	0.80	579	2.85	2.28	0.80	592	2.75	2.20	0.80	618
29	22	3.19	2.17	0.68	566	3.08	2.09	0.68	601	3.00	2.04	0.68	618	2.88	1.96	0.68	644
29	24	3.35	1.88	0.56	592	3.23	1.81	0.56	624	3.15	1.76	0.56	644	3.05	1.71	0.56	676
29	26	3.45	1.52	0.44	624	3.35	1.47	0.44	657	3.30	1.45	0.44	676	3.20	1.41	0.44	696
30	18	2.94	2.82	0.96	520	2.81	2.70	0.96	546	2.70	2.59	0.96	572	2.60	2.50	0.96	598
30	20	3.06	2.57	0.84	546	2.94	2.47	0.84	579	2.85	2.39	0.84	592	2.75	2.31	0.84	618
30	22	3.19	2.30	0.72	566	3.08	2.21	0.72	601	3.00	2.16	0.72	618	2.88	2.07	0.72	644
30	24	3.35	2.01	0.60	592	3.23	1.94	0.60	624	3.15	1.89	0.60	644	3.05	1.83	0.60	676
30	26	3.45	1.66	0.48	624	3.35	1.61	0.48	657	3.30	1.58	0.48	676	3.20	1.54	0.48	696
31	18	2.94	2.94	1.00	520	2.81	2.81	1.00	546	2.70	2.70	1.00	572	2.60	2.60	1.00	598
31	20	3.06	2.70	0.88	546	2.94	2.59	0.88	579	2.85	2.51	0.88	592	2.75	2.42	0.88	618
31	22	3.19	2.42	0.76	566	3.08	2.34	0.76	601	3.00	2.28	0.76	618	2.88	2.19	0.76	644
31	24	3.35	2.14	0.64	592	3.23	2.06	0.64	624	3.15	2.02	0.64	644	3.05	1.95	0.64	676
31	26	3.45	1.79	0.52	624	3.35	1.74	0.52	657	3.30	1.72	0.52	676	3.20	1.66	0.52	696
32	18	2.94	3.06	1.04	520	2.81	2.93	1.04	546	2.70	2.81	1.04	572	2.60	2.70	1.04	598
32	20	3.06	2.82	0.92	546	2.94	2.70	0.92	579	2.85	2.62	0.92	592	2.75	2.53	0.92	618
32	22	3.19	2.55	0.80	566	3.08	2.46	0.80	601	3.00	2.40	0.80	618	2.88	2.30	0.80	644
32	24	3.35	2.28	0.68	592	3.23	2.19	0.68	624	3.15	2.14	0.68	644	3.05	2.07	0.68	676
32	26	3.45	1.93	0.56	624	3.35	1.88	0.56	657	3.30	1.85	0.56	676	3.20	1.79	0.56	696

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)
SHF : Sensible heat factor
INPUT : Total power input (W)
D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SLZ-M25FA / SUZ-M25VA
CAPACITY : 2.5(kW) INPUT :650(W) SHF :0.78

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.45	1.47	0.60	637	2.25	1.35	0.60	676	2.08	1.25	0.60	702
21	20	2.58	1.24	0.48	663	2.40	1.15	0.48	696	2.23	1.07	0.48	735
22	18	2.45	1.57	0.64	637	2.25	1.44	0.64	676	2.08	1.33	0.64	702
22	20	2.58	1.34	0.52	663	2.40	1.25	0.52	696	2.23	1.16	0.52	735
22	22	2.73	1.09	0.40	689	2.55	1.02	0.40	728	2.38	0.95	0.40	754
23	18	2.45	1.67	0.68	637	2.25	1.53	0.68	676	2.08	1.41	0.68	702
23	20	2.58	1.44	0.56	663	2.40	1.34	0.56	696	2.23	1.25	0.56	735
23	22	2.73	1.20	0.44	689	2.55	1.12	0.44	728	2.38	1.05	0.44	754
24	18	2.45	1.76	0.72	637	2.25	1.62	0.72	676	2.08	1.49	0.72	702
24	20	2.58	1.55	0.60	663	2.40	1.44	0.60	696	2.23	1.34	0.60	735
24	22	2.73	1.31	0.48	689	2.55	1.22	0.48	728	2.38	1.14	0.48	754
24	24	2.88	1.04	0.36	715	2.70	0.97	0.36	748	2.55	0.92	0.36	780
25	20	2.58	1.65	0.64	663	2.40	1.54	0.64	696	2.23	1.42	0.64	735
25	22	2.73	1.42	0.52	689	2.55	1.33	0.52	728	2.38	1.24	0.52	754
25	24	2.88	1.15	0.40	715	2.70	1.08	0.40	748	2.55	1.02	0.40	780
26	18	2.45	1.96	0.80	637	2.25	1.80	0.80	676	2.08	1.66	0.80	702
26	20	2.58	1.75	0.68	663	2.40	1.63	0.68	696	2.23	1.51	0.68	735
26	22	2.73	1.53	0.56	689	2.55	1.43	0.56	728	2.38	1.33	0.56	754
26	24	2.88	1.27	0.44	715	2.70	1.19	0.44	748	2.55	1.12	0.44	780
26	26	3.03	0.97	0.32	741	2.85	0.91	0.32	774	2.68	0.86	0.32	806
27	18	2.45	2.06	0.84	637	2.25	1.89	0.84	676	2.08	1.74	0.84	702
27	20	2.58	1.85	0.72	663	2.40	1.73	0.72	696	2.23	1.60	0.72	735
27	22	2.73	1.64	0.60	689	2.55	1.53	0.60	728	2.38	1.43	0.60	754
27	24	2.88	1.38	0.48	715	2.70	1.30	0.48	748	2.55	1.22	0.48	780
27	26	3.03	1.09	0.36	741	2.85	1.03	0.36	774	2.68	0.96	0.36	806
28	18	2.45	2.16	0.88	637	2.25	1.98	0.88	676	2.08	1.83	0.88	702
28	20	2.58	1.96	0.76	663	2.40	1.82	0.76	696	2.23	1.69	0.76	735
28	22	2.73	1.74	0.64	689	2.55	1.63	0.64	728	2.38	1.52	0.64	754
28	24	2.88	1.50	0.52	715	2.70	1.40	0.52	748	2.55	1.33	0.52	780
28	26	3.03	1.21	0.40	741	2.85	1.14	0.40	774	2.68	1.07	0.40	806
29	18	2.45	2.25	0.92	637	2.25	2.07	0.92	676	2.08	1.91	0.92	702
29	20	2.58	2.06	0.80	663	2.40	1.92	0.80	696	2.23	1.78	0.80	735
29	22	2.73	1.85	0.68	689	2.55	1.73	0.68	728	2.38	1.62	0.68	754
29	24	2.88	1.61	0.56	715	2.70	1.51	0.56	748	2.55	1.43	0.56	780
29	26	3.03	1.33	0.44	741	2.85	1.25	0.44	774	2.68	1.18	0.44	806
30	18	2.45	2.35	0.96	637	2.25	2.16	0.96	676	2.08	1.99	0.96	702
30	20	2.58	2.16	0.84	663	2.40	2.02	0.84	696	2.23	1.87	0.84	735
30	22	2.73	1.96	0.72	689	2.55	1.84	0.72	728	2.38	1.71	0.72	754
30	24	2.88	1.73	0.60	715	2.70	1.62	0.60	748	2.55	1.53	0.60	780
30	26	3.03	1.45	0.48	741	2.85	1.37	0.48	774	2.68	1.28	0.48	806
31	18	2.45	2.45	1.00	637	2.25	2.25	1.00	676	2.08	2.08	1.00	702
31	20	2.58	2.27	0.88	663	2.40	2.11	0.88	696	2.23	1.96	0.88	735
31	22	2.73	2.07	0.76	689	2.55	1.94	0.76	728	2.38	1.81	0.76	754
31	24	2.88	1.84	0.64	715	2.70	1.73	0.64	748	2.55	1.63	0.64	780
31	26	3.03	1.57	0.52	741	2.85	1.48	0.52	774	2.68	1.39	0.52	806
32	18	2.45	2.55	1.04	637	2.25	2.34	1.04	676	2.08	2.16	1.04	702
32	20	2.58	2.37	0.92	663	2.40	2.21	0.92	696	2.23	2.05	0.92	735
32	22	2.73	2.18	0.80	689	2.55	2.04	0.80	728	2.38	1.90	0.80	754
32	24	2.88	1.96	0.68	715	2.70	1.84	0.68	748	2.55	1.73	0.68	780
32	26	3.03	1.69	0.56	741	2.85	1.60	0.56	774	2.68	1.50	0.56	806

Note: Q : Total capacity (kW) SHC : Sensible heat capacity (kW) SHF : Sensible heat factor INPUT : Total power input (W) D.B.: Dry-bulb temperature W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SLZ-M35FA / SUZ-M35VA
CAPACITY :3.5(kW) INPUT :1090(W) SHF : 0.72

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.11	2.22	0.54	872	3.94	2.13	0.54	916	3.78	2.04	0.54	959	3.64	1.97	0.54	1,003
21	20	4.29	1.80	0.42	916	4.11	1.73	0.42	970	3.99	1.68	0.42	992	3.85	1.62	0.42	1,036
22	18	4.11	2.39	0.58	872	3.94	2.28	0.58	916	3.78	2.19	0.58	959	3.64	2.11	0.58	1,003
22	20	4.29	1.97	0.46	916	4.11	1.89	0.46	970	3.99	1.84	0.46	992	3.85	1.77	0.46	1,036
22	22	4.46	1.52	0.34	948	4.31	1.46	0.34	1,008	4.20	1.43	0.34	1,036	4.03	1.37	0.34	1,079
23	18	4.11	2.55	0.62	872	3.94	2.44	0.62	916	3.78	2.34	0.62	959	3.64	2.26	0.62	1,003
23	20	4.29	2.14	0.50	916	4.11	2.06	0.50	970	3.99	2.00	0.50	992	3.85	1.93	0.50	1,036
23	22	4.46	1.70	0.38	948	4.31	1.64	0.38	1,008	4.20	1.60	0.38	1,036	4.03	1.53	0.38	1,079
24	18	4.11	2.71	0.66	872	3.94	2.60	0.66	916	3.78	2.49	0.66	959	3.64	2.40	0.66	1,003
24	20	4.29	2.32	0.54	916	4.11	2.22	0.54	970	3.99	2.15	0.54	992	3.85	2.08	0.54	1,036
24	22	4.46	1.87	0.42	948	4.31	1.81	0.42	1,008	4.20	1.76	0.42	1,036	4.03	1.69	0.42	1,079
24	24	4.69	1.41	0.30	992	4.52	1.35	0.30	1,046	4.41	1.32	0.30	1,079	4.27	1.28	0.30	1,134
25	20	4.29	2.49	0.58	916	4.11	2.39	0.58	970	3.99	2.31	0.58	992	3.85	2.23	0.58	1,036
25	22	4.46	2.05	0.46	948	4.31	1.98	0.46	1,008	4.20	1.93	0.46	1,036	4.03	1.85	0.46	1,079
25	24	4.69	1.59	0.34	992	4.52	1.54	0.34	1,046	4.41	1.50	0.34	1,079	4.27	1.45	0.34	1,134
26	18	4.11	3.04	0.74	872	3.94	2.91	0.74	916	3.78	2.80	0.74	959	3.64	2.69	0.74	1,003
26	20	4.29	2.66	0.62	916	4.11	2.55	0.62	970	3.99	2.47	0.62	992	3.85	2.39	0.62	1,036
26	22	4.46	2.23	0.50	948	4.31	2.15	0.50	1,008	4.20	2.10	0.50	1,036	4.03	2.01	0.50	1,079
26	24	4.69	1.78	0.38	992	4.52	1.72	0.38	1,046	4.41	1.68	0.38	1,079	4.27	1.62	0.38	1,134
26	26	4.83	1.26	0.26	1,046	4.69	1.22	0.26	1,101	4.62	1.20	0.26	1,134	4.48	1.16	0.26	1,166
27	18	4.11	3.21	0.78	872	3.94	3.07	0.78	916	3.78	2.95	0.78	959	3.64	2.84	0.78	1,003
27	20	4.29	2.83	0.66	916	4.11	2.71	0.66	970	3.99	2.63	0.66	992	3.85	2.54	0.66	1,036
27	22	4.46	2.41	0.54	948	4.31	2.32	0.54	1,008	4.20	2.27	0.54	1,036	4.03	2.17	0.54	1,079
27	24	4.69	1.97	0.42	992	4.52	1.90	0.42	1,046	4.41	1.85	0.42	1,079	4.27	1.79	0.42	1,134
27	26	4.83	1.45	0.30	1,046	4.69	1.41	0.30	1,101	4.62	1.39	0.30	1,134	4.48	1.34	0.30	1,166
28	18	4.11	3.37	0.82	872	3.94	3.23	0.82	916	3.78	3.10	0.82	959	3.64	2.98	0.82	1,003
28	20	4.29	3.00	0.70	916	4.11	2.88	0.70	970	3.99	2.79	0.70	992	3.85	2.70	0.70	1,036
28	22	4.46	2.59	0.58	948	4.31	2.50	0.58	1,008	4.20	2.44	0.58	1,036	4.03	2.33	0.58	1,079
28	24	4.69	2.16	0.46	992	4.52	2.08	0.46	1,046	4.41	2.03	0.46	1,079	4.27	1.96	0.46	1,134
28	26	4.83	1.64	0.34	1,046	4.69	1.59	0.34	1,101	4.62	1.57	0.34	1,134	4.48	1.52	0.34	1,166
29	18	4.11	3.54	0.86	872	3.94	3.39	0.86	916	3.78	3.25	0.86	959	3.64	3.13	0.86	1,003
29	20	4.29	3.17	0.74	916	4.11	3.04	0.74	970	3.99	2.95	0.74	992	3.85	2.85	0.74	1,036
29	22	4.46	2.77	0.62	948	4.31	2.67	0.62	1,008	4.20	2.60	0.62	1,036	4.03	2.50	0.62	1,079
29	24	4.69	2.35	0.50	992	4.52	2.26	0.50	1,046	4.41	2.21	0.50	1,079	4.27	2.14	0.50	1,134
29	26	4.83	1.84	0.38	1,046	4.69	1.78	0.38	1,101	4.62	1.76	0.38	1,134	4.48	1.70	0.38	1,166
30	18	4.11	3.70	0.90	872	3.94	3.54	0.90	916	3.78	3.40	0.90	959	3.64	3.28	0.90	1,003
30	20	4.29	3.34	0.78	916	4.11	3.21	0.78	970	3.99	3.11	0.78	992	3.85	3.00	0.78	1,036
30	22	4.46	2.95	0.66	948	4.31	2.84	0.66	1,008	4.20	2.77	0.66	1,036	4.03	2.66	0.66	1,079
30	24	4.69	2.53	0.54	992	4.52	2.44	0.54	1,046	4.41	2.38	0.54	1,079	4.27	2.31	0.54	1,134
30	26	4.83	2.03	0.42	1,046	4.69	1.97	0.42	1,101	4.62	1.94	0.42	1,134	4.48	1.88	0.42	1,166
31	18	4.11	3.87	0.94	872	3.94	3.70	0.94	916	3.78	3.55	0.94	959	3.64	3.42	0.94	1,003
31	20	4.29	3.52	0.82	916	4.11	3.37	0.82	970	3.99	3.27	0.82	992	3.85	3.16	0.82	1,036
31	22	4.46	3.12	0.70	948	4.31	3.01	0.70	1,008	4.20	2.94	0.70	1,036	4.03	2.82	0.70	1,079
31	24	4.69	2.72	0.58	992	4.52	2.62	0.58	1,046	4.41	2.56	0.58	1,079	4.27	2.48	0.58	1,134
31	26	4.83	2.22	0.46	1,046	4.69	2.16	0.46	1,101	4.62	2.13	0.46	1,134	4.48	2.06	0.46	1,166
32	18	4.11	4.03	0.98	872	3.94	3.86	0.98	916	3.78	3.70	0.98	959	3.64	3.57	0.98	1,003
32	20	4.29	3.69	0.86	916	4.11	3.54	0.86	970	3.99	3.43	0.86	992	3.85	3.31	0.86	1,036
32	22	4.46	3.30	0.74	948	4.31	3.19	0.74	1,008	4.20	3.11	0.74	1,036	4.03	2.98	0.74	1,079
32	24	4.69	2.91	0.62	992	4.52	2.80	0.62	1,046	4.41	2.73	0.62	1,079	4.27	2.65	0.62	1,134
32	26	4.83	2.42	0.50	1,046	4.69	2.35	0.50	1,101	4.62	2.31	0.50	1,134	4.48	2.24	0.50	1,166

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)
SHF : Sensible heat factor
INPUT : Total power input (W)
D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SLZ-M35FA / SUZ-M35VA
CAPACITY :3.5(kW) INPUT :1090(W) SHF : 0.72

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.43	1.85	0.54	1,068	3.15	1.70	0.54	1,134	2.91	1.57	0.54	1,177
21	20	3.61	1.51	0.42	1,112	3.36	1.41	0.42	1,166	3.12	1.31	0.42	1,232
22	18	3.43	1.99	0.58	1,068	3.15	1.83	0.58	1,134	2.91	1.68	0.58	1,177
22	20	3.61	1.66	0.46	1,112	3.36	1.55	0.46	1,166	3.12	1.43	0.46	1,232
22	22	3.82	1.30	0.34	1,155	3.57	1.21	0.34	1,221	3.33	1.13	0.34	1,264
23	18	3.43	2.13	0.62	1,068	3.15	1.95	0.62	1,134	2.91	1.80	0.62	1,177
23	20	3.61	1.80	0.50	1,112	3.36	1.68	0.50	1,166	3.12	1.56	0.50	1,232
23	22	3.82	1.45	0.38	1,155	3.57	1.36	0.38	1,221	3.33	1.26	0.38	1,264
24	18	3.43	2.26	0.66	1,068	3.15	2.08	0.66	1,134	2.91	1.92	0.66	1,177
24	20	3.61	1.95	0.54	1,112	3.36	1.81	0.54	1,166	3.12	1.68	0.54	1,232
24	22	3.82	1.60	0.42	1,155	3.57	1.50	0.42	1,221	3.33	1.40	0.42	1,264
24	24	4.03	1.21	0.30	1,199	3.78	1.13	0.30	1,254	3.57	1.07	0.30	1,308
25	20	3.61	2.09	0.58	1,112	3.36	1.95	0.58	1,166	3.12	1.81	0.58	1,232
25	22	3.82	1.75	0.46	1,155	3.57	1.64	0.46	1,221	3.33	1.53	0.46	1,264
25	24	4.03	1.37	0.34	1,199	3.78	1.29	0.34	1,254	3.57	1.21	0.34	1,308
26	18	3.43	2.54	0.74	1,068	3.15	2.33	0.74	1,134	2.91	2.15	0.74	1,177
26	20	3.61	2.24	0.62	1,112	3.36	2.08	0.62	1,166	3.12	1.93	0.62	1,232
26	22	3.82	1.91	0.50	1,155	3.57	1.79	0.50	1,221	3.33	1.66	0.50	1,264
26	24	4.03	1.53	0.38	1,199	3.78	1.44	0.38	1,254	3.57	1.36	0.38	1,308
26	26	4.24	1.10	0.26	1,243	3.99	1.04	0.26	1,297	3.75	0.97	0.26	1,352
27	18	3.43	2.68	0.78	1,068	3.15	2.46	0.78	1,134	2.91	2.27	0.78	1,177
27	20	3.61	2.38	0.66	1,112	3.36	2.22	0.66	1,166	3.12	2.06	0.66	1,232
27	22	3.82	2.06	0.54	1,155	3.57	1.93	0.54	1,221	3.33	1.80	0.54	1,264
27	24	4.03	1.69	0.42	1,199	3.78	1.59	0.42	1,254	3.57	1.50	0.42	1,308
27	26	4.24	1.27	0.30	1,243	3.99	1.20	0.30	1,297	3.75	1.12	0.30	1,352
28	18	3.43	2.81	0.82	1,068	3.15	2.58	0.82	1,134	2.91	2.38	0.82	1,177
28	20	3.61	2.52	0.70	1,112	3.36	2.35	0.70	1,166	3.12	2.18	0.70	1,232
28	22	3.82	2.21	0.58	1,155	3.57	2.07	0.58	1,221	3.33	1.93	0.58	1,264
28	24	4.03	1.85	0.46	1,199	3.78	1.74	0.46	1,254	3.57	1.64	0.46	1,308
28	26	4.24	1.44	0.34	1,243	3.99	1.36	0.34	1,297	3.75	1.27	0.34	1,352
29	18	3.43	2.95	0.86	1,068	3.15	2.71	0.86	1,134	2.91	2.50	0.86	1,177
29	20	3.61	2.67	0.74	1,112	3.36	2.49	0.74	1,166	3.12	2.31	0.74	1,232
29	22	3.82	2.37	0.62	1,155	3.57	2.21	0.62	1,221	3.33	2.06	0.62	1,264
29	24	4.03	2.01	0.50	1,199	3.78	1.89	0.50	1,254	3.57	1.79	0.50	1,308
29	26	4.24	1.61	0.38	1,243	3.99	1.52	0.38	1,297	3.75	1.42	0.38	1,352
30	18	3.43	3.09	0.90	1,068	3.15	2.84	0.90	1,134	2.91	2.61	0.90	1,177
30	20	3.61	2.81	0.78	1,112	3.36	2.62	0.78	1,166	3.12	2.43	0.78	1,232
30	22	3.82	2.52	0.66	1,155	3.57	2.36	0.66	1,221	3.33	2.19	0.66	1,264
30	24	4.03	2.17	0.54	1,199	3.78	2.04	0.54	1,254	3.57	1.93	0.54	1,308
30	26	4.24	1.78	0.42	1,243	3.99	1.68	0.42	1,297	3.75	1.57	0.42	1,352
31	18	3.43	3.22	0.94	1,068	3.15	2.96	0.94	1,134	2.91	2.73	0.94	1,177
31	20	3.61	2.96	0.82	1,112	3.36	2.76	0.82	1,166	3.12	2.55	0.82	1,232
31	22	3.82	2.67	0.70	1,155	3.57	2.50	0.70	1,221	3.33	2.33	0.70	1,264
31	24	4.03	2.33	0.58	1,199	3.78	2.19	0.58	1,254	3.57	2.07	0.58	1,308
31	26	4.24	1.95	0.46	1,243	3.99	1.84	0.46	1,297	3.75	1.72	0.46	1,352
32	18	3.43	3.36	0.98	1,068	3.15	3.09	0.98	1,134	2.91	2.85	0.98	1,177
32	20	3.61	3.10	0.86	1,112	3.36	2.89	0.86	1,166	3.12	2.68	0.86	1,232
32	22	3.82	2.82	0.74	1,155	3.57	2.64	0.74	1,221	3.33	2.46	0.74	1,264
32	24	4.03	2.50	0.62	1,199	3.78	2.34	0.62	1,254	3.57	2.21	0.62	1,308
32	26	4.24	2.12	0.50	1,243	3.99	2.00	0.50	1,297	3.75	1.87	0.50	1,352

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)
SHF : Sensible heat factor
INPUT : Total power input (W)
D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SLZ-M50FA / SUZ-M50VA
CAPACITY :4.6(kW) INPUT :1350(W) SHF :0.68

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.41	2.70	0.50	1,080	5.18	2.59	0.50	1,134	4.97	2.48	0.50	1,188	4.78	2.39	0.50	1,242
21	20	5.64	2.14	0.38	1,134	5.41	2.05	0.38	1,202	5.24	1.99	0.38	1,229	5.06	1.92	0.38	1,283
22	18	5.41	2.92	0.54	1,080	5.18	2.79	0.54	1,134	4.97	2.68	0.54	1,188	4.78	2.58	0.54	1,242
22	20	5.64	2.37	0.42	1,134	5.41	2.27	0.42	1,202	5.24	2.20	0.42	1,229	5.06	2.13	0.42	1,283
22	22	5.87	1.76	0.30	1,175	5.66	1.70	0.30	1,249	5.52	1.66	0.30	1,283	5.29	1.59	0.30	1,337
23	18	5.41	3.13	0.58	1,080	5.18	3.00	0.58	1,134	4.97	2.88	0.58	1,188	4.78	2.77	0.58	1,242
23	20	5.64	2.59	0.46	1,134	5.41	2.49	0.46	1,202	5.24	2.41	0.46	1,229	5.06	2.33	0.46	1,283
23	22	5.87	1.99	0.34	1,175	5.66	1.92	0.34	1,249	5.52	1.88	0.34	1,283	5.29	1.80	0.34	1,337
24	18	5.41	3.35	0.62	1,080	5.18	3.21	0.62	1,134	4.97	3.08	0.62	1,188	4.78	2.97	0.62	1,242
24	20	5.64	2.82	0.50	1,134	5.41	2.70	0.50	1,202	5.24	2.62	0.50	1,229	5.06	2.53	0.50	1,283
24	22	5.87	2.23	0.38	1,175	5.66	2.15	0.38	1,249	5.52	2.10	0.38	1,283	5.29	2.01	0.38	1,337
24	24	6.16	1.60	0.26	1,229	5.93	1.54	0.26	1,296	5.80	1.51	0.26	1,337	5.61	1.46	0.26	1,404
25	20	5.64	3.04	0.54	1,134	5.41	2.92	0.54	1,202	5.24	2.83	0.54	1,229	5.06	2.73	0.54	1,283
25	22	5.87	2.46	0.42	1,175	5.66	2.38	0.42	1,249	5.52	2.32	0.42	1,283	5.29	2.22	0.42	1,337
25	24	6.16	1.85	0.30	1,229	5.93	1.78	0.30	1,296	5.80	1.74	0.30	1,337	5.61	1.68	0.30	1,404
26	18	5.41	3.78	0.70	1,080	5.18	3.62	0.70	1,134	4.97	3.48	0.70	1,188	4.78	3.35	0.70	1,242
26	20	5.64	3.27	0.58	1,134	5.41	3.13	0.58	1,202	5.24	3.04	0.58	1,229	5.06	2.93	0.58	1,283
26	22	5.87	2.70	0.46	1,175	5.66	2.60	0.46	1,249	5.52	2.54	0.46	1,283	5.29	2.43	0.46	1,337
26	24	6.16	2.10	0.34	1,229	5.93	2.02	0.34	1,296	5.80	1.97	0.34	1,337	5.61	1.91	0.34	1,404
26	26	6.35	1.40	0.22	1,296	6.16	1.36	0.22	1,364	6.07	1.34	0.22	1,404	5.89	1.30	0.22	1,445
27	18	5.41	4.00	0.74	1,080	5.18	3.83	0.74	1,134	4.97	3.68	0.74	1,188	4.78	3.54	0.74	1,242
27	20	5.64	3.49	0.62	1,134	5.41	3.35	0.62	1,202	5.24	3.25	0.62	1,229	5.06	3.14	0.62	1,283
27	22	5.87	2.93	0.50	1,175	5.66	2.83	0.50	1,249	5.52	2.76	0.50	1,283	5.29	2.65	0.50	1,337
27	24	6.16	2.34	0.38	1,229	5.93	2.25	0.38	1,296	5.80	2.20	0.38	1,337	5.61	2.13	0.38	1,404
27	26	6.35	1.65	0.26	1,296	6.16	1.60	0.26	1,364	6.07	1.58	0.26	1,404	5.89	1.53	0.26	1,445
28	18	5.41	4.22	0.78	1,080	5.18	4.04	0.78	1,134	4.97	3.88	0.78	1,188	4.78	3.73	0.78	1,242
28	20	5.64	3.72	0.66	1,134	5.41	3.57	0.66	1,202	5.24	3.46	0.66	1,229	5.06	3.34	0.66	1,283
28	22	5.87	3.17	0.54	1,175	5.66	3.06	0.54	1,249	5.52	2.98	0.54	1,283	5.29	2.86	0.54	1,337
28	24	6.16	2.59	0.42	1,229	5.93	2.49	0.42	1,296	5.80	2.43	0.42	1,337	5.61	2.36	0.42	1,404
28	26	6.35	1.90	0.30	1,296	6.16	1.85	0.30	1,364	6.07	1.82	0.30	1,404	5.89	1.77	0.30	1,445
29	18	5.41	4.43	0.82	1,080	5.18	4.24	0.82	1,134	4.97	4.07	0.82	1,188	4.78	3.92	0.82	1,242
29	20	5.64	3.94	0.70	1,134	5.41	3.78	0.70	1,202	5.24	3.67	0.70	1,229	5.06	3.54	0.70	1,283
29	22	5.87	3.40	0.58	1,175	5.66	3.28	0.58	1,249	5.52	3.20	0.58	1,283	5.29	3.07	0.58	1,337
29	24	6.16	2.84	0.46	1,229	5.93	2.73	0.46	1,296	5.80	2.67	0.46	1,337	5.61	2.58	0.46	1,404
29	26	6.35	2.16	0.34	1,296	6.16	2.10	0.34	1,364	6.07	2.06	0.34	1,404	5.89	2.00	0.34	1,445
30	18	5.41	4.65	0.86	1,080	5.18	4.45	0.86	1,134	4.97	4.27	0.86	1,188	4.78	4.11	0.86	1,242
30	20	5.64	4.17	0.74	1,134	5.41	4.00	0.74	1,202	5.24	3.88	0.74	1,229	5.06	3.74	0.74	1,283
30	22	5.87	3.64	0.62	1,175	5.66	3.51	0.62	1,249	5.52	3.42	0.62	1,283	5.29	3.28	0.62	1,337
30	24	6.16	3.08	0.50	1,229	5.93	2.97	0.50	1,296	5.80	2.90	0.50	1,337	5.61	2.81	0.50	1,404
30	26	6.35	2.41	0.38	1,296	6.16	2.34	0.38	1,364	6.07	2.31	0.38	1,404	5.89	2.24	0.38	1,445
31	18	5.41	4.86	0.90	1,080	5.18	4.66	0.90	1,134	4.97	4.47	0.90	1,188	4.78	4.31	0.90	1,242
31	20	5.64	4.40	0.78	1,134	5.41	4.22	0.78	1,202	5.24	4.09	0.78	1,229	5.06	3.95	0.78	1,283
31	22	5.87	3.87	0.66	1,175	5.66	3.73	0.66	1,249	5.52	3.64	0.66	1,283	5.29	3.49	0.66	1,337
31	24	6.16	3.33	0.54	1,229	5.93	3.20	0.54	1,296	5.80	3.13	0.54	1,337	5.61	3.03	0.54	1,404
31	26	6.35	2.67	0.42	1,296	6.16	2.59	0.42	1,364	6.07	2.55	0.42	1,404	5.89	2.47	0.42	1,445
32	18	5.41	5.08	0.94	1,080	5.18	4.86	0.94	1,134	4.97	4.67	0.94	1,188	4.78	4.50	0.94	1,242
32	20	5.64	4.62	0.82	1,134	5.41	4.43	0.82	1,202	5.24	4.30	0.82	1,229	5.06	4.15	0.82	1,283
32	22	5.87	4.11	0.70	1,175	5.66	3.96	0.70	1,249	5.52	3.86	0.70	1,283	5.29	3.70	0.70	1,337
32	24	6.16	3.58	0.58	1,229	5.93	3.44	0.58	1,296	5.80	3.36	0.58	1,337	5.61	3.25	0.58	1,404
32	26	6.35	2.92	0.46	1,296	6.16	2.84	0.46	1,364	6.07	2.79	0.46	1,404	5.89	2.71	0.46	1,445

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)
SHF : Sensible heat factor
INPUT : Total power input (W)
D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SLZ-M50FA / SUZ-M50VA
CAPACITY :4.6(kW) INPUT :1350(W) SHF :0.68

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.51	2.25	0.50	1,323	4.14	2.07	0.50	1,404	3.82	1.91	0.50	1,458
21	20	4.74	1.80	0.38	1,377	4.42	1.68	0.38	1,445	4.09	1.56	0.38	1,526
22	18	4.51	2.43	0.54	1,323	4.14	2.24	0.54	1,404	3.82	2.06	0.54	1,458
22	20	4.74	1.99	0.42	1,377	4.42	1.85	0.42	1,445	4.09	1.72	0.42	1,526
22	22	5.01	1.50	0.30	1,431	4.69	1.41	0.30	1,512	4.37	1.31	0.30	1,566
23	18	4.51	2.61	0.58	1,323	4.14	2.40	0.58	1,404	3.82	2.21	0.58	1,458
23	20	4.74	2.18	0.46	1,377	4.42	2.03	0.46	1,445	4.09	1.88	0.46	1,526
23	22	5.01	1.70	0.34	1,431	4.69	1.60	0.34	1,512	4.37	1.49	0.34	1,566
24	18	4.51	2.79	0.62	1,323	4.14	2.57	0.62	1,404	3.82	2.37	0.62	1,458
24	20	4.74	2.37	0.50	1,377	4.42	2.21	0.50	1,445	4.09	2.05	0.50	1,526
24	22	5.01	1.91	0.38	1,431	4.69	1.78	0.38	1,512	4.37	1.66	0.38	1,566
24	24	5.29	1.38	0.26	1,485	4.97	1.29	0.26	1,553	4.69	1.22	0.26	1,620
25	20	4.74	2.56	0.54	1,377	4.42	2.38	0.54	1,445	4.09	2.21	0.54	1,526
25	22	5.01	2.11	0.42	1,431	4.69	1.97	0.42	1,512	4.37	1.84	0.42	1,566
25	24	5.29	1.59	0.30	1,485	4.97	1.49	0.30	1,553	4.69	1.41	0.30	1,620
26	18	4.51	3.16	0.70	1,323	4.14	2.90	0.70	1,404	3.82	2.67	0.70	1,458
26	20	4.74	2.75	0.58	1,377	4.42	2.56	0.58	1,445	4.09	2.37	0.58	1,526
26	22	5.01	2.31	0.46	1,431	4.69	2.16	0.46	1,512	4.37	2.01	0.46	1,566
26	24	5.29	1.80	0.34	1,485	4.97	1.69	0.34	1,553	4.69	1.60	0.34	1,620
26	26	5.57	1.22	0.22	1,539	5.24	1.15	0.22	1,607	4.92	1.08	0.22	1,674
27	18	4.51	3.34	0.74	1,323	4.14	3.06	0.74	1,404	3.82	2.83	0.74	1,458
27	20	4.74	2.94	0.62	1,377	4.42	2.74	0.62	1,445	4.09	2.54	0.62	1,526
27	22	5.01	2.51	0.50	1,431	4.69	2.35	0.50	1,512	4.37	2.19	0.50	1,566
27	24	5.29	2.01	0.38	1,485	4.97	1.89	0.38	1,553	4.69	1.78	0.38	1,620
27	26	5.57	1.45	0.26	1,539	5.24	1.36	0.26	1,607	4.92	1.28	0.26	1,674
28	18	4.51	3.52	0.78	1,323	4.14	3.23	0.78	1,404	3.82	2.98	0.78	1,458
28	20	4.74	3.13	0.66	1,377	4.42	2.91	0.66	1,445	4.09	2.70	0.66	1,526
28	22	5.01	2.71	0.54	1,431	4.69	2.53	0.54	1,512	4.37	2.36	0.54	1,566
28	24	5.29	2.22	0.42	1,485	4.97	2.09	0.42	1,553	4.69	1.97	0.42	1,620
28	26	5.57	1.67	0.30	1,539	5.24	1.57	0.30	1,607	4.92	1.48	0.30	1,674
29	18	4.51	3.70	0.82	1,323	4.14	3.39	0.82	1,404	3.82	3.13	0.82	1,458
29	20	4.74	3.32	0.70	1,377	4.42	3.09	0.70	1,445	4.09	2.87	0.70	1,526
29	22	5.01	2.91	0.58	1,431	4.69	2.72	0.58	1,512	4.37	2.53	0.58	1,566
29	24	5.29	2.43	0.46	1,485	4.97	2.29	0.46	1,553	4.69	2.16	0.46	1,620
29	26	5.57	1.89	0.34	1,539	5.24	1.78	0.34	1,607	4.92	1.67	0.34	1,674
30	18	4.51	3.88	0.86	1,323	4.14	3.56	0.86	1,404	3.82	3.28	0.86	1,458
30	20	4.74	3.51	0.74	1,377	4.42	3.27	0.74	1,445	4.09	3.03	0.74	1,526
30	22	5.01	3.11	0.62	1,431	4.69	2.91	0.62	1,512	4.37	2.71	0.62	1,566
30	24	5.29	2.65	0.50	1,485	4.97	2.48	0.50	1,553	4.69	2.35	0.50	1,620
30	26	5.57	2.12	0.38	1,539	5.24	1.99	0.38	1,607	4.92	1.87	0.38	1,674
31	18	4.51	4.06	0.90	1,323	4.14	3.73	0.90	1,404	3.82	3.44	0.90	1,458
31	20	4.74	3.70	0.78	1,377	4.42	3.44	0.78	1,445	4.09	3.19	0.78	1,526
31	22	5.01	3.31	0.66	1,431	4.69	3.10	0.66	1,512	4.37	2.88	0.66	1,566
31	24	5.29	2.86	0.54	1,485	4.97	2.68	0.54	1,553	4.69	2.53	0.54	1,620
31	26	5.57	2.34	0.42	1,539	5.24	2.20	0.42	1,607	4.92	2.07	0.42	1,674
32	18	4.51	4.24	0.94	1,323	4.14	3.89	0.94	1,404	3.82	3.59	0.94	1,458
32	20	4.74	3.89	0.82	1,377	4.42	3.62	0.82	1,445	4.09	3.36	0.82	1,526
32	22	5.01	3.51	0.70	1,431	4.69	3.28	0.70	1,512	4.37	3.06	0.70	1,566
32	24	5.29	3.07	0.58	1,485	4.97	2.88	0.58	1,553	4.69	2.72	0.58	1,620
32	26	5.57	2.56	0.46	1,539	5.24	2.41	0.46	1,607	4.92	2.26	0.46	1,674

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SLZ-M60FA / SUZ-M60VA
CAPACITY :5.7(kW) INPUT :1670(W) SHF : 0.68

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6.70	3.35	0.50	1,336	6.41	3.21	0.50	1,403	6.16	3.08	0.50	1,470	5.93	2.96	0.50	1,536
21	20	6.98	2.65	0.38	1,403	6.70	2.55	0.38	1,486	6.50	2.47	0.38	1,520	6.27	2.38	0.38	1,587
22	18	6.70	3.62	0.54	1,336	6.41	3.46	0.54	1,403	6.16	3.32	0.54	1,470	5.93	3.20	0.54	1,536
22	20	6.98	2.93	0.42	1,403	6.70	2.81	0.42	1,486	6.50	2.73	0.42	1,520	6.27	2.63	0.42	1,587
22	22	7.27	2.18	0.30	1,453	7.01	2.10	0.30	1,545	6.84	2.05	0.30	1,587	6.56	1.97	0.30	1,653
23	18	6.70	3.88	0.58	1,336	6.41	3.72	0.58	1,403	6.16	3.57	0.58	1,470	5.93	3.44	0.58	1,536
23	20	6.98	3.21	0.46	1,403	6.70	3.08	0.46	1,486	6.50	2.99	0.46	1,520	6.27	2.88	0.46	1,587
23	22	7.27	2.47	0.34	1,453	7.01	2.38	0.34	1,545	6.84	2.33	0.34	1,587	6.56	2.23	0.34	1,653
24	18	6.70	4.15	0.62	1,336	6.41	3.98	0.62	1,403	6.16	3.82	0.62	1,470	5.93	3.68	0.62	1,536
24	20	6.98	3.49	0.50	1,403	6.70	3.35	0.50	1,486	6.50	3.25	0.50	1,520	6.27	3.14	0.50	1,587
24	22	7.27	2.76	0.38	1,453	7.01	2.66	0.38	1,545	6.84	2.60	0.38	1,587	6.56	2.49	0.38	1,653
24	24	7.64	1.99	0.26	1,520	7.35	1.91	0.26	1,603	7.18	1.87	0.26	1,653	6.95	1.81	0.26	1,737
25	20	6.98	3.77	0.54	1,403	6.70	3.62	0.54	1,486	6.50	3.51	0.54	1,520	6.27	3.39	0.54	1,587
25	22	7.27	3.05	0.42	1,453	7.01	2.94	0.42	1,545	6.84	2.87	0.42	1,587	6.56	2.75	0.42	1,653
25	24	7.64	2.29	0.30	1,520	7.35	2.21	0.30	1,603	7.18	2.15	0.30	1,653	6.95	2.09	0.30	1,737
26	18	6.70	4.69	0.70	1,336	6.41	4.49	0.70	1,403	6.16	4.31	0.70	1,470	5.93	4.15	0.70	1,536
26	20	6.98	4.05	0.58	1,403	6.70	3.88	0.58	1,486	6.50	3.77	0.58	1,520	6.27	3.64	0.58	1,587
26	22	7.27	3.34	0.46	1,453	7.01	3.23	0.46	1,545	6.84	3.15	0.46	1,587	6.56	3.02	0.46	1,653
26	24	7.64	2.60	0.34	1,520	7.35	2.50	0.34	1,603	7.18	2.44	0.34	1,653	6.95	2.36	0.34	1,737
26	26	7.87	1.73	0.22	1,603	7.64	1.68	0.22	1,687	7.52	1.66	0.22	1,737	7.30	1.61	0.22	1,787
27	18	6.70	4.96	0.74	1,336	6.41	4.75	0.74	1,403	6.16	4.56	0.74	1,470	5.93	4.39	0.74	1,536
27	20	6.98	4.33	0.62	1,403	6.70	4.15	0.62	1,486	6.50	4.03	0.62	1,520	6.27	3.89	0.62	1,587
27	22	7.27	3.63	0.50	1,453	7.01	3.51	0.50	1,545	6.84	3.42	0.50	1,587	6.56	3.28	0.50	1,653
27	24	7.64	2.90	0.38	1,520	7.35	2.79	0.38	1,603	7.18	2.73	0.38	1,653	6.95	2.64	0.38	1,737
27	26	7.87	2.05	0.26	1,603	7.64	1.99	0.26	1,687	7.52	1.96	0.26	1,737	7.30	1.90	0.26	1,787
28	18	6.70	5.22	0.78	1,336	6.41	5.00	0.78	1,403	6.16	4.80	0.78	1,470	5.93	4.62	0.78	1,536
28	20	6.98	4.61	0.66	1,403	6.70	4.42	0.66	1,486	6.50	4.29	0.66	1,520	6.27	4.14	0.66	1,587
28	22	7.27	3.92	0.54	1,453	7.01	3.79	0.54	1,545	6.84	3.69	0.54	1,587	6.56	3.54	0.54	1,653
28	24	7.64	3.21	0.42	1,520	7.35	3.09	0.42	1,603	7.18	3.02	0.42	1,653	6.95	2.92	0.42	1,737
28	26	7.87	2.36	0.30	1,603	7.64	2.29	0.30	1,687	7.52	2.26	0.30	1,737	7.30	2.19	0.30	1,787
29	18	6.70	5.49	0.82	1,336	6.41	5.26	0.82	1,403	6.16	5.05	0.82	1,470	5.93	4.86	0.82	1,536
29	20	6.98	4.89	0.70	1,403	6.70	4.69	0.70	1,486	6.50	4.55	0.70	1,520	6.27	4.39	0.70	1,587
29	22	7.27	4.22	0.58	1,453	7.01	4.07	0.58	1,545	6.84	3.97	0.58	1,587	6.56	3.80	0.58	1,653
29	24	7.64	3.51	0.46	1,520	7.35	3.38	0.46	1,603	7.18	3.30	0.46	1,653	6.95	3.20	0.46	1,737
29	26	7.87	2.67	0.34	1,603	7.64	2.60	0.34	1,687	7.52	2.56	0.34	1,737	7.30	2.48	0.34	1,787
30	18	6.70	5.76	0.86	1,336	6.41	5.51	0.86	1,403	6.16	5.29	0.86	1,470	5.93	5.10	0.86	1,536
30	20	6.98	5.17	0.74	1,403	6.70	4.96	0.74	1,486	6.50	4.81	0.74	1,520	6.27	4.64	0.74	1,587
30	22	7.27	4.51	0.62	1,453	7.01	4.35	0.62	1,545	6.84	4.24	0.62	1,587	6.56	4.06	0.62	1,653
30	24	7.64	3.82	0.50	1,520	7.35	3.68	0.50	1,603	7.18	3.59	0.50	1,653	6.95	3.48	0.50	1,737
30	26	7.87	2.99	0.38	1,603	7.64	2.90	0.38	1,687	7.52	2.86	0.38	1,737	7.30	2.77	0.38	1,787
31	18	6.70	6.03	0.90	1,336	6.41	5.77	0.90	1,403	6.16	5.54	0.90	1,470	5.93	5.34	0.90	1,536
31	20	6.98	5.45	0.78	1,403	6.70	5.22	0.78	1,486	6.50	5.07	0.78	1,520	6.27	4.89	0.78	1,587
31	22	7.27	4.80	0.66	1,453	7.01	4.63	0.66	1,545	6.84	4.51	0.66	1,587	6.56	4.33	0.66	1,653
31	24	7.64	4.12	0.54	1,520	7.35	3.97	0.54	1,603	7.18	3.88	0.54	1,653	6.95	3.76	0.54	1,737
31	26	7.87	3.30	0.42	1,603	7.64	3.21	0.42	1,687	7.52	3.16	0.42	1,737	7.30	3.06	0.42	1,787
32	18	6.70	6.30	0.94	1,336	6.41	6.03	0.94	1,403	6.16	5.79	0.94	1,470	5.93	5.57	0.94	1,536
32	20	6.98	5.73	0.82	1,403	6.70	5.49	0.82	1,486	6.50	5.33	0.82	1,520	6.27	5.14	0.82	1,587
32	22	7.27	5.09	0.70	1,453	7.01	4.91	0.70	1,545	6.84	4.79	0.70	1,587	6.56	4.59	0.70	1,653
32	24	7.64	4.43	0.58	1,520	7.35	4.26	0.58	1,603	7.18	4.17	0.58	1,653	6.95	4.03	0.58	1,737
32	26	7.87	3.62	0.46	1,603	7.64	3.51	0.46	1,687	7.52	3.46	0.46	1,737	7.30	3.36	0.46	1,787

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)
SHF : Sensible heat factor
INPUT : Total power input (W)
D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SLZ-M60FA / SUZ-M60VA
CAPACITY :5.7(kW) INPUT :1670(W) SHF : 0.68

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.59	2.79	0.50	1,637	5.13	2.57	0.50	1,737	4.73	2.37	0.50	1,804
21	20	5.87	2.23	0.38	1,703	5.47	2.08	0.38	1,787	5.07	1.93	0.38	1,887
22	18	5.59	3.02	0.54	1,637	5.13	2.77	0.54	1,737	4.73	2.55	0.54	1,804
22	20	5.87	2.47	0.42	1,703	5.47	2.30	0.42	1,787	5.07	2.13	0.42	1,887
22	22	6.21	1.86	0.30	1,770	5.81	1.74	0.30	1,870	5.42	1.62	0.30	1,937
23	18	5.59	3.24	0.58	1,637	5.13	2.98	0.58	1,737	4.73	2.74	0.58	1,804
23	20	5.87	2.70	0.46	1,703	5.47	2.52	0.46	1,787	5.07	2.33	0.46	1,887
23	22	6.21	2.11	0.34	1,770	5.81	1.98	0.34	1,870	5.42	1.84	0.34	1,937
24	18	5.59	3.46	0.62	1,637	5.13	3.18	0.62	1,737	4.73	2.93	0.62	1,804
24	20	5.87	2.94	0.50	1,703	5.47	2.74	0.50	1,787	5.07	2.54	0.50	1,887
24	22	6.21	2.36	0.38	1,770	5.81	2.21	0.38	1,870	5.42	2.06	0.38	1,937
24	24	6.56	1.70	0.26	1,837	6.16	1.60	0.26	1,921	5.81	1.51	0.26	2,004
25	20	5.87	3.17	0.54	1,703	5.47	2.95	0.54	1,787	5.07	2.74	0.54	1,887
25	22	6.21	2.61	0.42	1,770	5.81	2.44	0.42	1,870	5.42	2.27	0.42	1,937
25	24	6.56	1.97	0.30	1,837	6.16	1.85	0.30	1,921	5.81	1.74	0.30	2,004
26	18	5.59	3.91	0.70	1,637	5.13	3.59	0.70	1,737	4.73	3.31	0.70	1,804
26	20	5.87	3.41	0.58	1,703	5.47	3.17	0.58	1,787	5.07	2.94	0.58	1,887
26	22	6.21	2.86	0.46	1,770	5.81	2.67	0.46	1,870	5.42	2.49	0.46	1,937
26	24	6.56	2.23	0.34	1,837	6.16	2.09	0.34	1,921	5.81	1.98	0.34	2,004
26	26	6.90	1.52	0.22	1,904	6.50	1.43	0.22	1,987	6.10	1.34	0.22	2,071
27	18	5.59	4.13	0.74	1,637	5.13	3.80	0.74	1,737	4.73	3.50	0.74	1,804
27	20	5.87	3.64	0.62	1,703	5.47	3.39	0.62	1,787	5.07	3.15	0.62	1,887
27	22	6.21	3.11	0.50	1,770	5.81	2.91	0.50	1,870	5.42	2.71	0.50	1,937
27	24	6.56	2.49	0.38	1,837	6.16	2.34	0.38	1,921	5.81	2.21	0.38	2,004
27	26	6.90	1.79	0.26	1,904	6.50	1.69	0.26	1,987	6.10	1.59	0.26	2,071
28	18	5.59	4.36	0.78	1,637	5.13	4.00	0.78	1,737	4.73	3.69	0.78	1,804
28	20	5.87	3.87	0.66	1,703	5.47	3.61	0.66	1,787	5.07	3.35	0.66	1,887
28	22	6.21	3.36	0.54	1,770	5.81	3.14	0.54	1,870	5.42	2.92	0.54	1,937
28	24	6.56	2.75	0.42	1,837	6.16	2.59	0.42	1,921	5.81	2.44	0.42	2,004
28	26	6.90	2.07	0.30	1,904	6.50	1.95	0.30	1,987	6.10	1.83	0.30	2,071
29	18	5.59	4.58	0.82	1,637	5.13	4.21	0.82	1,737	4.73	3.88	0.82	1,804
29	20	5.87	4.11	0.70	1,703	5.47	3.83	0.70	1,787	5.07	3.55	0.70	1,887
29	22	6.21	3.60	0.58	1,770	5.81	3.37	0.58	1,870	5.42	3.14	0.58	1,937
29	24	6.56	3.02	0.46	1,837	6.16	2.83	0.46	1,921	5.81	2.67	0.46	2,004
29	26	6.90	2.34	0.34	1,904	6.50	2.21	0.34	1,987	6.10	2.07	0.34	2,071
30	18	5.59	4.80	0.86	1,637	5.13	4.41	0.86	1,737	4.73	4.07	0.86	1,804
30	20	5.87	4.34	0.74	1,703	5.47	4.05	0.74	1,787	5.07	3.75	0.74	1,887
30	22	6.21	3.85	0.62	1,770	5.81	3.60	0.62	1,870	5.42	3.36	0.62	1,937
30	24	6.56	3.28	0.50	1,837	6.16	3.08	0.50	1,921	5.81	2.91	0.50	2,004
30	26	6.90	2.62	0.38	1,904	6.50	2.47	0.38	1,987	6.10	2.32	0.38	2,071
31	18	5.59	5.03	0.90	1,637	5.13	4.62	0.90	1,737	4.73	4.26	0.90	1,804
31	20	5.87	4.58	0.78	1,703	5.47	4.27	0.78	1,787	5.07	3.96	0.78	1,887
31	22	6.21	4.10	0.66	1,770	5.81	3.84	0.66	1,870	5.42	3.57	0.66	1,937
31	24	6.56	3.54	0.54	1,837	6.16	3.32	0.54	1,921	5.81	3.14	0.54	2,004
31	26	6.90	2.90	0.42	1,904	6.50	2.73	0.42	1,987	6.10	2.56	0.42	2,071
32	18	5.59	5.25	0.94	1,637	5.13	4.82	0.94	1,737	4.73	4.45	0.94	1,804
32	20	5.87	4.81	0.82	1,703	5.47	4.49	0.82	1,787	5.07	4.16	0.82	1,887
32	22	6.21	4.35	0.70	1,770	5.81	4.07	0.70	1,870	5.42	3.79	0.70	1,937
32	24	6.56	3.80	0.58	1,837	6.16	3.57	0.58	1,921	5.81	3.37	0.58	2,004
32	26	6.90	3.17	0.46	1,904	6.50	2.99	0.46	1,987	6.10	2.81	0.46	2,071

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)
SHF : Sensible heat factor
INPUT : Total power input (W)
D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

HEATING operation
SLZ-M25FA / SUZ-M25VA at Rated frequency

CAPACITY :3.2(kW) INPUT :880(W)

	OUTDOOR WB(℃)															
INDOOR	-15		-10		-5		0		5		10		15		20	
DB(℃)	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	1.60	458	2.02	572	2.43	686	2.85	774	3.26	836	3.68	889	4.06	915	4.48	933
21	1.50	488	1.92	616	2.30	730	2.72	810	3.10	871	3.52	915	3.90	942	4.30	977
26	1.31	528	1.73	660	2.14	774	2.53	854	2.94	915	3.36	959	3.74	986	4.16	1012

SLZ-M35FA / SUZ-M35VA at Rated frequency

CAPACITY :4.0(kW) INPUT :1070(W)

	OUTDOOR WB(℃)															
INDOOR	-15		-10		-5		0		5		10		15		20	
DB(℃)	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	2.00	556	2.52	696	3.04	835	3.56	942	4.08	1017	4.60	1081	5.08	1113	5.60	1134
21	1.88	593	2.40	749	2.88	888	3.40	984	3.88	1059	4.40	1113	4.88	1145	5.38	1188
26	1.64	642	2.16	803	2.68	942	3.16	1038	3.68	1113	4.20	1166	4.68	1198	5.20	1231

SLZ-M50FA / SUZ-M50VA at Rated frequency

CAPACITY :5.0(kW) INPUT :1560(W)

	OUTDOOR WB(℃)															
INDOOR	-15		-10		-5		0		5		10		15		20	
DB(℃)	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	2.50	811	3.15	1014	3.80	1217	4.45	1373	5.10	1482	5.75	1576	6.35	1622	7.00	1654
21	2.35	864	3.00	1092	3.60	1295	4.25	1435	4.85	1544	5.50	1622	6.10	1669	6.73	1732
26	2.05	936	2.70	1170	3.35	1373	3.95	1513	4.60	1622	5.25	1700	5.85	1747	6.50	1794

SLZ-M60FA / SUZ-M60VA at Rated frequency

CAPACITY :6.4(kW) INPUT :2130(W)

	OUTDOOR WB(℃)															
INDOOR	-15		-10		-5		0		5		10		15		20	
DB(℃)	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	3.20	1108	4.03	1385	4.86	1661	5.70	1874	6.53	2024	7.36	2151	8.13	2215	8.96	2258
21	3.01	1180	3.84	1491	4.61	1768	5.44	1960	6.21	2109	7.04	2215	7.81	2279	8.61	2364
26	2.62	1278	3.46	1598	4.29	1874	5.06	2066	5.89	2215	6.72	2322	7.49	2386	8.32	2450

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

B.1.5.2 R410A type

COOLING operation at Rated frequency
SLZ-M25FA / SUZ-KA25VA6
CAPACITY : 2.6(kW) INPUT : 684(W) SHF : 0.78

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.06	1.83	0.60	547	2.93	1.76	0.60	575	2.81	1.68	0.60	602	2.70	1.62	0.60	629
21	20	3.19	1.53	0.48	575	3.06	1.47	0.48	609	2.96	1.42	0.48	622	2.86	1.37	0.48	650
22	18	3.06	1.96	0.64	547	2.93	1.87	0.64	575	2.81	1.80	0.64	602	2.70	1.73	0.64	629
22	20	3.19	1.66	0.52	575	3.06	1.59	0.52	609	2.96	1.54	0.52	622	2.86	1.49	0.52	650
22	22	3.32	1.33	0.40	595	3.20	1.28	0.40	633	3.12	1.25	0.40	650	2.99	1.20	0.40	677
23	18	3.06	2.08	0.68	547	2.93	1.99	0.68	575	2.81	1.91	0.68	602	2.70	1.84	0.68	629
23	20	3.19	1.78	0.56	575	3.06	1.71	0.56	609	2.96	1.66	0.56	622	2.86	1.60	0.56	650
23	22	3.32	1.46	0.44	595	3.20	1.41	0.44	633	3.12	1.37	0.44	650	2.99	1.32	0.44	677
24	18	3.06	2.20	0.72	547	2.93	2.11	0.72	575	2.81	2.02	0.72	602	2.70	1.95	0.72	629
24	20	3.19	1.91	0.60	575	3.06	1.83	0.60	609	2.96	1.78	0.60	622	2.86	1.72	0.60	650
24	22	3.32	1.59	0.48	595	3.20	1.54	0.48	633	3.12	1.50	0.48	650	2.99	1.44	0.48	677
24	24	3.48	1.25	0.36	622	3.35	1.21	0.36	657	3.28	1.18	0.36	677	3.17	1.14	0.36	711
25	20	3.19	2.04	0.64	575	3.06	1.96	0.64	609	2.96	1.90	0.64	622	2.86	1.83	0.64	650
25	22	3.32	1.72	0.52	595	3.20	1.66	0.52	633	3.12	1.62	0.52	650	2.99	1.55	0.52	677
25	24	3.48	1.39	0.40	622	3.35	1.34	0.40	657	3.28	1.31	0.40	677	3.17	1.27	0.40	711
26	18	3.06	2.44	0.80	547	2.93	2.34	0.80	575	2.81	2.25	0.80	602	2.70	2.16	0.80	629
26	20	3.19	2.17	0.68	575	3.06	2.08	0.68	609	2.96	2.02	0.68	622	2.86	1.94	0.68	650
26	22	3.32	1.86	0.56	595	3.20	1.79	0.56	633	3.12	1.75	0.56	650	2.99	1.67	0.56	677
26	24	3.48	1.53	0.44	622	3.35	1.48	0.44	657	3.28	1.44	0.44	677	3.17	1.40	0.44	711
26	26	3.59	1.15	0.32	657	3.48	1.11	0.32	691	3.43	1.10	0.32	711	3.33	1.06	0.32	732
27	18	3.06	2.57	0.84	547	2.93	2.46	0.84	575	2.81	2.36	0.84	602	2.70	2.27	0.84	629
27	20	3.19	2.29	0.72	575	3.06	2.20	0.72	609	2.96	2.13	0.72	622	2.86	2.06	0.72	650
27	22	3.32	1.99	0.60	595	3.20	1.92	0.60	633	3.12	1.87	0.60	650	2.99	1.79	0.60	677
27	24	3.48	1.67	0.48	622	3.35	1.61	0.48	657	3.28	1.57	0.48	677	3.17	1.52	0.48	711
27	26	3.59	1.29	0.36	657	3.48	1.25	0.36	691	3.43	1.24	0.36	711	3.33	1.20	0.36	732
28	18	3.06	2.69	0.88	547	2.93	2.57	0.88	575	2.81	2.47	0.88	602	2.70	2.38	0.88	629
28	20	3.19	2.42	0.76	575	3.06	2.32	0.76	609	2.96	2.25	0.76	622	2.86	2.17	0.76	650
28	22	3.32	2.12	0.64	595	3.20	2.05	0.64	633	3.12	2.00	0.64	650	2.99	1.91	0.64	677
28	24	3.48	1.81	0.52	622	3.35	1.74	0.52	657	3.28	1.70	0.52	677	3.17	1.65	0.52	711
28	26	3.59	1.44	0.40	657	3.48	1.39	0.40	691	3.43	1.37	0.40	711	3.33	1.33	0.40	732
29	18	3.06	2.81	0.92	547	2.93	2.69	0.92	575	2.81	2.58	0.92	602	2.70	2.49	0.92	629
29	20	3.19	2.55	0.80	575	3.06	2.44	0.80	609	2.96	2.37	0.80	622	2.86	2.29	0.80	650
29	22	3.32	2.25	0.68	595	3.20	2.17	0.68	633	3.12	2.12	0.68	650	2.99	2.03	0.68	677
29	24	3.48	1.95	0.56	622	3.35	1.88	0.56	657	3.28	1.83	0.56	677	3.17	1.78	0.56	711
29	26	3.59	1.58	0.44	657	3.48	1.53	0.44	691	3.43	1.51	0.44	711	3.33	1.46	0.44	732
30	18	3.06	2.93	0.96	547	2.93	2.81	0.96	575	2.81	2.70	0.96	602	2.70	2.60	0.96	629
30	20	3.19	2.68	0.84	575	3.06	2.57	0.84	609	2.96	2.49	0.84	622	2.86	2.40	0.84	650
30	22	3.32	2.39	0.72	595	3.20	2.30	0.72	633	3.12	2.25	0.72	650	2.99	2.15	0.72	677
30	24	3.48	2.09	0.60	622	3.35	2.01	0.60	657	3.28	1.97	0.60	677	3.17	1.90	0.60	711
30	26	3.59	1.72	0.48	657	3.48	1.67	0.48	691	3.43	1.65	0.48	711	3.33	1.60	0.48	732
31	18	3.06	3.06	1.00	547	2.93	2.93	1.00	575	2.81	2.81	1.00	602	2.70	2.70	1.00	629
31	20	3.19	2.80	0.88	575	3.06	2.69	0.88	609	2.96	2.61	0.88	622	2.86	2.52	0.88	650
31	22	3.32	2.52	0.76	595	3.20	2.43	0.76	633	3.12	2.37	0.76	650	2.99	2.27	0.76	677
31	24	3.48	2.23	0.64	622	3.35	2.15	0.64	657	3.28	2.10	0.64	677	3.17	2.03	0.64	711
31	26	3.59	1.87	0.52	657	3.48	1.81	0.52	691	3.43	1.78	0.52	711	3.33	1.73	0.52	732
32	18	3.06	3.06	1.00	547	2.93	2.93	1.00	575	2.81	2.81	1.00	602	2.70	2.70	1.00	629
32	20	3.19	2.93	0.92	575	3.06	2.81	0.92	609	2.96	2.73	0.92	622	2.86	2.63	0.92	650
32	22	3.32	2.65	0.80	595	3.20	2.56	0.80	633	3.12	2.50	0.80	650	2.99	2.39	0.80	677
32	24	3.48	2.37	0.68	622	3.35	2.28	0.68	657	3.28	2.23	0.68	677	3.17	2.16	0.68	711
32	26	3.59	2.01	0.56	657	3.48	1.95	0.56	691	3.43	1.92	0.56	711	3.33	1.86	0.56	732

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SLZ-M25FA / SUZ-KA25VA6
CAPACITY : 2.6(kW) INPUT : 684(W) SHF : 0.78

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.55	1.53	0.60	670	2.34	1.40	0.60	711	2.16	1.29	0.60	739
21	20	2.68	1.29	0.48	698	2.50	1.20	0.48	732	2.31	1.11	0.48	773
22	18	2.55	1.63	0.64	670	2.34	1.50	0.64	711	2.16	1.38	0.64	739
22	20	2.68	1.39	0.52	698	2.50	1.30	0.52	732	2.31	1.20	0.52	773
22	22	2.83	1.13	0.40	725	2.65	1.06	0.40	766	2.47	0.99	0.40	793
23	18	2.55	1.73	0.68	670	2.34	1.59	0.68	711	2.16	1.47	0.68	739
23	20	2.68	1.50	0.56	698	2.50	1.40	0.56	732	2.31	1.30	0.56	773
23	22	2.83	1.25	0.44	725	2.65	1.17	0.44	766	2.47	1.09	0.44	793
24	18	2.55	1.83	0.72	670	2.34	1.68	0.72	711	2.16	1.55	0.72	739
24	20	2.68	1.61	0.60	698	2.50	1.50	0.60	732	2.31	1.39	0.60	773
24	22	2.83	1.36	0.48	725	2.65	1.27	0.48	766	2.47	1.19	0.48	793
24	24	2.99	1.08	0.36	752	2.81	1.01	0.36	787	2.65	0.95	0.36	821
25	20	2.68	1.71	0.64	698	2.50	1.60	0.64	732	2.31	1.48	0.64	773
25	22	2.83	1.47	0.52	725	2.65	1.38	0.52	766	2.47	1.28	0.52	793
25	24	2.99	1.20	0.40	752	2.81	1.12	0.40	787	2.65	1.06	0.40	821
26	18	2.55	2.04	0.80	670	2.34	1.87	0.80	711	2.16	1.73	0.80	739
26	20	2.68	1.82	0.68	698	2.50	1.70	0.68	732	2.31	1.57	0.68	773
26	22	2.83	1.59	0.56	725	2.65	1.49	0.56	766	2.47	1.38	0.56	793
26	24	2.99	1.32	0.44	752	2.81	1.24	0.44	787	2.65	1.17	0.44	821
26	26	3.15	1.01	0.32	780	2.96	0.95	0.32	814	2.78	0.89	0.32	848
27	18	2.55	2.14	0.84	670	2.34	1.97	0.84	711	2.16	1.81	0.84	739
27	20	2.68	1.93	0.72	698	2.50	1.80	0.72	732	2.31	1.67	0.72	773
27	22	2.83	1.70	0.60	725	2.65	1.59	0.60	766	2.47	1.48	0.60	793
27	24	2.99	1.44	0.48	752	2.81	1.35	0.48	787	2.65	1.27	0.48	821
27	26	3.15	1.13	0.36	780	2.96	1.07	0.36	814	2.78	1.00	0.36	848
28	18	2.55	2.24	0.88	670	2.34	2.06	0.88	711	2.16	1.90	0.88	739
28	20	2.68	2.04	0.76	698	2.50	1.90	0.76	732	2.31	1.76	0.76	773
28	22	2.83	1.81	0.64	725	2.65	1.70	0.64	766	2.47	1.58	0.64	793
28	24	2.99	1.55	0.52	752	2.81	1.46	0.52	787	2.65	1.38	0.52	821
28	26	3.15	1.26	0.40	780	2.96	1.19	0.40	814	2.78	1.11	0.40	848
29	18	2.55	2.34	0.92	670	2.34	2.15	0.92	711	2.16	1.99	0.92	739
29	20	2.68	2.14	0.80	698	2.50	2.00	0.80	732	2.31	1.85	0.80	773
29	22	2.83	1.93	0.68	725	2.65	1.80	0.68	766	2.47	1.68	0.68	793
29	24	2.99	1.67	0.56	752	2.81	1.57	0.56	787	2.65	1.49	0.56	821
29	26	3.15	1.38	0.44	780	2.96	1.30	0.44	814	2.78	1.22	0.44	848
30	18	2.55	2.45	0.96	670	2.34	2.25	0.96	711	2.16	2.07	0.96	739
30	20	2.68	2.25	0.84	698	2.50	2.10	0.84	732	2.31	1.94	0.84	773
30	22	2.83	2.04	0.72	725	2.65	1.91	0.72	766	2.47	1.78	0.72	793
30	24	2.99	1.79	0.60	752	2.81	1.68	0.60	787	2.65	1.59	0.60	821
30	26	3.15	1.51	0.48	780	2.96	1.42	0.48	814	2.78	1.34	0.48	848
31	18	2.55	2.55	1.00	670	2.34	2.34	1.00	711	2.16	2.16	1.00	739
31	20	2.68	2.36	0.88	698	2.50	2.20	0.88	732	2.31	2.04	0.88	773
31	22	2.83	2.15	0.76	725	2.65	2.02	0.76	766	2.47	1.88	0.76	793
31	24	2.99	1.91	0.64	752	2.81	1.80	0.64	787	2.65	1.70	0.64	821
31	26	3.15	1.64	0.52	780	2.96	1.54	0.52	814	2.78	1.45	0.52	848
32	18	2.55	2.55	1.00	670	2.34	2.34	1.00	711	2.16	2.16	1.00	739
32	20	2.68	2.46	0.92	698	2.50	2.30	0.92	732	2.31	2.13	0.92	773
32	22	2.83	2.27	0.80	725	2.65	2.12	0.80	766	2.47	1.98	0.80	793
32	24	2.99	2.03	0.68	752	2.81	1.91	0.68	787	2.65	1.80	0.68	821
32	26	3.15	1.76	0.56	780	2.96	1.66	0.56	814	2.78	1.56	0.56	848

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SLZ-M35FA / SUZ-KA35VA6
CAPACITY : 3.5(kW) INPUT : 972(W) SHF : 0.72

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.11	2.22	0.54	778	3.94	2.13	0.54	816	3.78	2.04	0.54	855	3.64	1.97	0.54	894
21	20	4.29	1.80	0.42	816	4.11	1.73	0.42	865	3.99	1.68	0.42	885	3.85	1.62	0.42	923
22	18	4.11	2.39	0.58	778	3.94	2.28	0.58	816	3.78	2.19	0.58	855	3.64	2.11	0.58	894
22	20	4.29	1.97	0.46	816	4.11	1.89	0.46	865	3.99	1.84	0.46	885	3.85	1.77	0.46	923
22	22	4.46	1.52	0.34	846	4.31	1.46	0.34	899	4.20	1.43	0.34	923	4.03	1.37	0.34	962
23	18	4.11	2.55	0.62	778	3.94	2.44	0.62	816	3.78	2.34	0.62	855	3.64	2.26	0.62	894
23	20	4.29	2.14	0.50	816	4.11	2.06	0.50	865	3.99	2.00	0.50	885	3.85	1.93	0.50	923
23	22	4.46	1.70	0.38	846	4.31	1.64	0.38	899	4.20	1.60	0.38	923	4.03	1.53	0.38	962
24	18	4.11	2.71	0.66	778	3.94	2.60	0.66	816	3.78	2.49	0.66	855	3.64	2.40	0.66	894
24	20	4.29	2.32	0.54	816	4.11	2.22	0.54	865	3.99	2.15	0.54	885	3.85	2.08	0.54	923
24	22	4.46	1.87	0.42	846	4.31	1.81	0.42	899	4.20	1.76	0.42	923	4.03	1.69	0.42	962
24	24	4.69	1.41	0.30	885	4.52	1.35	0.30	933	4.41	1.32	0.30	962	4.27	1.28	0.30	1011
25	20	4.29	2.49	0.58	816	4.11	2.39	0.58	865	3.99	2.31	0.58	885	3.85	2.23	0.58	923
25	22	4.46	2.05	0.46	846	4.31	1.98	0.46	899	4.20	1.93	0.46	923	4.03	1.85	0.46	962
25	24	4.69	1.59	0.34	885	4.52	1.54	0.34	933	4.41	1.50	0.34	962	4.27	1.45	0.34	1011
26	18	4.11	3.04	0.74	778	3.94	2.91	0.74	816	3.78	2.80	0.74	855	3.64	2.69	0.74	894
26	20	4.29	2.66	0.62	816	4.11	2.55	0.62	865	3.99	2.47	0.62	885	3.85	2.39	0.62	923
26	22	4.46	2.23	0.50	846	4.31	2.15	0.50	899	4.20	2.10	0.50	923	4.03	2.01	0.50	962
26	24	4.69	1.78	0.38	885	4.52	1.72	0.38	933	4.41	1.68	0.38	962	4.27	1.62	0.38	1011
26	26	4.83	1.26	0.26	933	4.69	1.22	0.26	982	4.62	1.20	0.26	1011	4.48	1.16	0.26	1040
27	18	4.11	3.21	0.78	778	3.94	3.07	0.78	816	3.78	2.95	0.78	855	3.64	2.84	0.78	894
27	20	4.29	2.83	0.66	816	4.11	2.71	0.66	865	3.99	2.63	0.66	885	3.85	2.54	0.66	923
27	22	4.46	2.41	0.54	846	4.31	2.32	0.54	899	4.20	2.27	0.54	923	4.03	2.17	0.54	962
27	24	4.69	1.97	0.42	885	4.52	1.90	0.42	933	4.41	1.85	0.42	962	4.27	1.79	0.42	1011
27	26	4.83	1.45	0.30	933	4.69	1.41	0.30	982	4.62	1.39	0.30	1011	4.48	1.34	0.30	1040
28	18	4.11	3.37	0.82	778	3.94	3.23	0.82	816	3.78	3.10	0.82	855	3.64	2.98	0.82	894
28	20	4.29	3.00	0.70	816	4.11	2.88	0.70	865	3.99	2.79	0.70	885	3.85	2.70	0.70	923
28	22	4.46	2.59	0.58	846	4.31	2.50	0.58	899	4.20	2.44	0.58	923	4.03	2.33	0.58	962
28	24	4.69	2.16	0.46	885	4.52	2.08	0.46	933	4.41	2.03	0.46	962	4.27	1.96	0.46	1011
28	26	4.83	1.64	0.34	933	4.69	1.59	0.34	982	4.62	1.57	0.34	1011	4.48	1.52	0.34	1040
29	18	4.11	3.54	0.86	778	3.94	3.39	0.86	816	3.78	3.25	0.86	855	3.64	3.13	0.86	894
29	20	4.29	3.17	0.74	816	4.11	3.04	0.74	865	3.99	2.95	0.74	885	3.85	2.85	0.74	923
29	22	4.46	2.77	0.62	846	4.31	2.67	0.62	899	4.20	2.60	0.62	923	4.03	2.50	0.62	962
29	24	4.69	2.35	0.50	885	4.52	2.26	0.50	933	4.41	2.21	0.50	962	4.27	2.14	0.50	1011
29	26	4.83	1.84	0.38	933	4.69	1.78	0.38	982	4.62	1.76	0.38	1011	4.48	1.70	0.38	1040
30	18	4.11	3.70	0.90	778	3.94	3.54	0.90	816	3.78	3.40	0.90	855	3.64	3.28	0.90	894
30	20	4.29	3.34	0.78	816	4.11	3.21	0.78	865	3.99	3.11	0.78	885	3.85	3.00	0.78	923
30	22	4.46	2.95	0.66	846	4.31	2.84	0.66	899	4.20	2.77	0.66	923	4.03	2.66	0.66	962
30	24	4.69	2.53	0.54	885	4.52	2.44	0.54	933	4.41	2.38	0.54	962	4.27	2.31	0.54	1011
30	26	4.83	2.03	0.42	933	4.69	1.97	0.42	982	4.62	1.94	0.42	1011	4.48	1.88	0.42	1040
31	18	4.11	3.87	0.94	778	3.94	3.70	0.94	816	3.78	3.55	0.94	855	3.64	3.42	0.94	894
31	20	4.29	3.52	0.82	816	4.11	3.37	0.82	865	3.99	3.27	0.82	885	3.85	3.16	0.82	923
31	22	4.46	3.12	0.70	846	4.31	3.01	0.70	899	4.20	2.94	0.70	923	4.03	2.82	0.70	962
31	24	4.69	2.72	0.58	885	4.52	2.62	0.58	933	4.41	2.56	0.58	962	4.27	2.48	0.58	1011
31	26	4.83	2.22	0.46	933	4.69	2.16	0.46	982	4.62	2.13	0.46	1011	4.48	2.06	0.46	1040
32	18	4.11	4.03	0.98	778	3.94	3.86	0.98	816	3.78	3.70	0.98	855	3.64	3.57	0.98	894
32	20	4.29	3.69	0.86	816	4.11	3.54	0.86	865	3.99	3.43	0.86	885	3.85	3.31	0.86	923
32	22	4.46	3.30	0.74	846	4.31	3.19	0.74	899	4.20	3.11	0.74	923	4.03	2.98	0.74	962
32	24	4.69	2.91	0.62	885	4.52	2.80	0.62	933	4.41	2.73	0.62	962	4.27	2.65	0.62	1011
32	26	4.83	2.42	0.50	933	4.69	2.35	0.50	982	4.62	2.31	0.50	1011	4.48	2.24	0.50	1040

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SLZ-M35FA / SUZ-KA35VA6
CAPACITY : 3.5(kW) INPUT : 972(W) SHF : 0.72

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.43	1.85	0.54	953	3.15	1.70	0.54	1011	2.91	1.57	0.54	1050
21	20	3.61	1.51	0.42	991	3.36	1.41	0.42	1040	3.12	1.31	0.42	1098
22	18	3.43	1.99	0.58	953	3.15	1.83	0.58	1011	2.91	1.68	0.58	1050
22	20	3.61	1.66	0.46	991	3.36	1.55	0.46	1040	3.12	1.43	0.46	1098
22	22	3.82	1.30	0.34	1030	3.57	1.21	0.34	1089	3.33	1.13	0.34	1128
23	18	3.43	2.13	0.62	953	3.15	1.95	0.62	1011	2.91	1.80	0.62	1050
23	20	3.61	1.80	0.50	991	3.36	1.68	0.50	1040	3.12	1.56	0.50	1098
23	22	3.82	1.45	0.38	1030	3.57	1.36	0.38	1089	3.33	1.26	0.38	1128
24	18	3.43	2.26	0.66	953	3.15	2.08	0.66	1011	2.91	1.92	0.66	1050
24	20	3.61	1.95	0.54	991	3.36	1.81	0.54	1040	3.12	1.68	0.54	1098
24	22	3.82	1.60	0.42	1030	3.57	1.50	0.42	1089	3.33	1.40	0.42	1128
24	24	4.03	1.21	0.30	1069	3.78	1.13	0.30	1118	3.57	1.07	0.30	1166
25	20	3.61	2.09	0.58	991	3.36	1.95	0.58	1040	3.12	1.81	0.58	1098
25	22	3.82	1.75	0.46	1030	3.57	1.64	0.46	1089	3.33	1.53	0.46	1128
25	24	4.03	1.37	0.34	1069	3.78	1.29	0.34	1118	3.57	1.21	0.34	1166
26	18	3.43	2.54	0.74	953	3.15	2.33	0.74	1011	2.91	2.15	0.74	1050
26	20	3.61	2.24	0.62	991	3.36	2.08	0.62	1040	3.12	1.93	0.62	1098
26	22	3.82	1.91	0.50	1030	3.57	1.79	0.50	1089	3.33	1.66	0.50	1128
26	24	4.03	1.53	0.38	1069	3.78	1.44	0.38	1118	3.57	1.36	0.38	1166
26	26	4.24	1.10	0.26	1108	3.99	1.04	0.26	1157	3.75	0.97	0.26	1205
27	18	3.43	2.68	0.78	953	3.15	2.46	0.78	1011	2.91	2.27	0.78	1050
27	20	3.61	2.38	0.66	991	3.36	2.22	0.66	1040	3.12	2.06	0.66	1098
27	22	3.82	2.06	0.54	1030	3.57	1.93	0.54	1089	3.33	1.80	0.54	1128
27	24	4.03	1.69	0.42	1069	3.78	1.59	0.42	1118	3.57	1.50	0.42	1166
27	26	4.24	1.27	0.30	1108	3.99	1.20	0.30	1157	3.75	1.12	0.30	1205
28	18	3.43	2.81	0.82	953	3.15	2.58	0.82	1011	2.91	2.38	0.82	1050
28	20	3.61	2.52	0.70	991	3.36	2.35	0.70	1040	3.12	2.18	0.70	1098
28	22	3.82	2.21	0.58	1030	3.57	2.07	0.58	1089	3.33	1.93	0.58	1128
28	24	4.03	1.85	0.46	1069	3.78	1.74	0.46	1118	3.57	1.64	0.46	1166
28	26	4.24	1.44	0.34	1108	3.99	1.36	0.34	1157	3.75	1.27	0.34	1205
29	18	3.43	2.95	0.86	953	3.15	2.71	0.86	1011	2.91	2.50	0.86	1050
29	20	3.61	2.67	0.74	991	3.36	2.49	0.74	1040	3.12	2.31	0.74	1098
29	22	3.82	2.37	0.62	1030	3.57	2.21	0.62	1089	3.33	2.06	0.62	1128
29	24	4.03	2.01	0.50	1069	3.78	1.89	0.50	1118	3.57	1.79	0.50	1166
29	26	4.24	1.61	0.38	1108	3.99	1.52	0.38	1157	3.75	1.42	0.38	1205
30	18	3.43	3.09	0.90	953	3.15	2.84	0.90	1011	2.91	2.61	0.90	1050
30	20	3.61	2.81	0.78	991	3.36	2.62	0.78	1040	3.12	2.43	0.78	1098
30	22	3.82	2.52	0.66	1030	3.57	2.36	0.66	1089	3.33	2.19	0.66	1128
30	24	4.03	2.17	0.54	1069	3.78	2.04	0.54	1118	3.57	1.93	0.54	1166
30	26	4.24	1.78	0.42	1108	3.99	1.68	0.42	1157	3.75	1.57	0.42	1205
31	18	3.43	3.22	0.94	953	3.15	2.96	0.94	1011	2.91	2.73	0.94	1050
31	20	3.61	2.96	0.82	991	3.36	2.76	0.82	1040	3.12	2.55	0.82	1098
31	22	3.82	2.67	0.70	1030	3.57	2.50	0.70	1089	3.33	2.33	0.70	1128
31	24	4.03	2.33	0.58	1069	3.78	2.19	0.58	1118	3.57	2.07	0.58	1166
31	26	4.24	1.95	0.46	1108	3.99	1.84	0.46	1157	3.75	1.72	0.46	1205
32	18	3.43	3.36	0.98	953	3.15	3.09	0.98	1011	2.91	2.85	0.98	1050
32	20	3.61	3.10	0.86	991	3.36	2.89	0.86	1040	3.12	2.68	0.86	1098
32	22	3.82	2.82	0.74	1030	3.57	2.64	0.74	1089	3.33	2.46	0.74	1128
32	24	4.03	2.50	0.62	1069	3.78	2.34	0.62	1118	3.57	2.21	0.62	1166
32	26	4.24	2.12	0.50	1108	3.99	2.00	0.50	1157	3.75	1.87	0.50	1205

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SLZ-M50FA / SUZ-KA50VA6
CAPACITY : 4.6(kW) INPUT :1,394(W) SHF : 0.68

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.41	2.70	0.50	1115	5.18	2.59	0.50	1171	4.97	2.48	0.50	1227	4.78	2.39	0.50	1282
21	20	5.64	2.14	0.38	1171	5.41	2.05	0.38	1241	5.24	1.99	0.38	1269	5.06	1.92	0.38	1324
22	18	5.41	2.92	0.54	1115	5.18	2.79	0.54	1171	4.97	2.68	0.54	1227	4.78	2.58	0.54	1282
22	20	5.64	2.37	0.42	1171	5.41	2.27	0.42	1241	5.24	2.20	0.42	1269	5.06	2.13	0.42	1324
22	22	5.87	1.76	0.30	1213	5.66	1.70	0.30	1289	5.52	1.66	0.30	1324	5.29	1.59	0.30	1380
23	18	5.41	3.13	0.58	1115	5.18	3.00	0.58	1171	4.97	2.88	0.58	1227	4.78	2.77	0.58	1282
23	20	5.64	2.59	0.46	1171	5.41	2.49	0.46	1241	5.24	2.41	0.46	1269	5.06	2.33	0.46	1324
23	22	5.87	1.99	0.34	1213	5.66	1.92	0.34	1289	5.52	1.88	0.34	1324	5.29	1.80	0.34	1380
24	18	5.41	3.35	0.62	1115	5.18	3.21	0.62	1171	4.97	3.08	0.62	1227	4.78	2.97	0.62	1282
24	20	5.64	2.82	0.50	1171	5.41	2.70	0.50	1241	5.24	2.62	0.50	1269	5.06	2.53	0.50	1324
24	22	5.87	2.23	0.38	1213	5.66	2.15	0.38	1289	5.52	2.10	0.38	1324	5.29	2.01	0.38	1380
24	24	6.16	1.60	0.26	1269	5.93	1.54	0.26	1338	5.80	1.51	0.26	1380	5.61	1.46	0.26	1450
25	20	5.64	3.04	0.54	1171	5.41	2.92	0.54	1241	5.24	2.83	0.54	1269	5.06	2.73	0.54	1324
25	22	5.87	2.46	0.42	1213	5.66	2.38	0.42	1289	5.52	2.32	0.42	1324	5.29	2.22	0.42	1380
25	24	6.16	1.85	0.30	1269	5.93	1.78	0.30	1338	5.80	1.74	0.30	1380	5.61	1.68	0.30	1450
26	18	5.41	3.78	0.70	1115	5.18	3.62	0.70	1171	4.97	3.48	0.70	1227	4.78	3.35	0.70	1282
26	20	5.64	3.27	0.58	1171	5.41	3.13	0.58	1241	5.24	3.04	0.58	1269	5.06	2.93	0.58	1324
26	22	5.87	2.70	0.46	1213	5.66	2.60	0.46	1289	5.52	2.54	0.46	1324	5.29	2.43	0.46	1380
26	24	6.16	2.10	0.34	1269	5.93	2.02	0.34	1338	5.80	1.97	0.34	1380	5.61	1.91	0.34	1450
26	26	6.35	1.40	0.22	1338	6.16	1.36	0.22	1408	6.07	1.34	0.22	1450	5.89	1.30	0.22	1492
27	18	5.41	4.00	0.74	1115	5.18	3.83	0.74	1171	4.97	3.68	0.74	1227	4.78	3.54	0.74	1282
27	20	5.64	3.49	0.62	1171	5.41	3.35	0.62	1241	5.24	3.25	0.62	1269	5.06	3.14	0.62	1324
27	22	5.87	2.93	0.50	1213	5.66	2.83	0.50	1289	5.52	2.76	0.50	1324	5.29	2.65	0.50	1380
27	24	6.16	2.34	0.38	1269	5.93	2.25	0.38	1338	5.80	2.20	0.38	1380	5.61	2.13	0.38	1450
27	26	6.35	1.65	0.26	1338	6.16	1.60	0.26	1408	6.07	1.58	0.26	1450	5.89	1.53	0.26	1492
28	18	5.41	4.22	0.78	1115	5.18	4.04	0.78	1171	4.97	3.88	0.78	1227	4.78	3.73	0.78	1282
28	20	5.64	3.72	0.66	1171	5.41	3.57	0.66	1241	5.24	3.46	0.66	1269	5.06	3.34	0.66	1324
28	22	5.87	3.17	0.54	1213	5.66	3.06	0.54	1289	5.52	2.98	0.54	1324	5.29	2.86	0.54	1380
28	24	6.16	2.59	0.42	1269	5.93	2.49	0.42	1338	5.80	2.43	0.42	1380	5.61	2.36	0.42	1450
28	26	6.35	1.90	0.30	1338	6.16	1.85	0.30	1408	6.07	1.82	0.30	1450	5.89	1.77	0.30	1492
29	18	5.41	4.43	0.82	1115	5.18	4.24	0.82	1171	4.97	4.07	0.82	1227	4.78	3.92	0.82	1282
29	20	5.64	3.94	0.70	1171	5.41	3.78	0.70	1241	5.24	3.67	0.70	1269	5.06	3.54	0.70	1324
29	22	5.87	3.40	0.58	1213	5.66	3.28	0.58	1289	5.52	3.20	0.58	1324	5.29	3.07	0.58	1380
29	24	6.16	2.84	0.46	1269	5.93	2.73	0.46	1338	5.80	2.67	0.46	1380	5.61	2.58	0.46	1450
29	26	6.35	2.16	0.34	1338	6.16	2.10	0.34	1408	6.07	2.06	0.34	1450	5.89	2.00	0.34	1492
30	18	5.41	4.65	0.86	1115	5.18	4.45	0.86	1171	4.97	4.27	0.86	1227	4.78	4.11	0.86	1282
30	20	5.64	4.17	0.74	1171	5.41	4.00	0.74	1241	5.24	3.88	0.74	1269	5.06	3.74	0.74	1324
30	22	5.87	3.64	0.62	1213	5.66	3.51	0.62	1289	5.52	3.42	0.62	1324	5.29	3.28	0.62	1380
30	24	6.16	3.08	0.50	1269	5.93	2.97	0.50	1338	5.80	2.90	0.50	1380	5.61	2.81	0.50	1450
30	26	6.35	2.41	0.38	1338	6.16	2.34	0.38	1408	6.07	2.31	0.38	1450	5.89	2.24	0.38	1492
31	18	5.41	4.86	0.90	1115	5.18	4.66	0.90	1171	4.97	4.47	0.90	1227	4.78	4.31	0.90	1282
31	20	5.64	4.40	0.78	1171	5.41	4.22	0.78	1241	5.24	4.09	0.78	1269	5.06	3.95	0.78	1324
31	22	5.87	3.87	0.66	1213	5.66	3.73	0.66	1289	5.52	3.64	0.66	1324	5.29	3.49	0.66	1380
31	24	6.16	3.33	0.54	1269	5.93	3.20	0.54	1338	5.80	3.13	0.54	1380	5.61	3.03	0.54	1450
31	26	6.35	2.67	0.42	1338	6.16	2.59	0.42	1408	6.07	2.55	0.42	1450	5.89	2.47	0.42	1492
32	18	5.41	5.08	0.94	1115	5.18	4.86	0.94	1171	4.97	4.67	0.94	1227	4.78	4.50	0.94	1282
32	20	5.64	4.62	0.82	1171	5.41	4.43	0.82	1241	5.24	4.30	0.82	1269	5.06	4.15	0.82	1324
32	22	5.87	4.11	0.70	1213	5.66	3.96	0.70	1289	5.52	3.86	0.70	1324	5.29	3.70	0.70	1380
32	24	6.16	3.58	0.58	1269	5.93	3.44	0.58	1338	5.80	3.36	0.58	1380	5.61	3.25	0.58	1450
32	26	6.35	2.92	0.46	1338	6.16	2.84	0.46	1408	6.07	2.79	0.46	1450	5.89	2.71	0.46	1492

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)
SHF : Sensible heat factor
INPUT : Total power input (W)
D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SLZ-M50FA / SUZ-KA50VA6
CAPACITY : 4.6(kW) INPUT :1,394(W) SHF : 0.68

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.51	2.25	0.50	1366	4.14	2.07	0.50	1450	3.82	1.91	0.50	1506
21	20	4.74	1.80	0.38	1422	4.42	1.68	0.38	1492	4.09	1.56	0.38	1575
22	18	4.51	2.43	0.54	1366	4.14	2.24	0.54	1450	3.82	2.06	0.54	1506
22	20	4.74	1.99	0.42	1422	4.42	1.85	0.42	1492	4.09	1.72	0.42	1575
22	22	5.01	1.50	0.30	1478	4.69	1.41	0.30	1561	4.37	1.31	0.30	1617
23	18	4.51	2.61	0.58	1366	4.14	2.40	0.58	1450	3.82	2.21	0.58	1506
23	20	4.74	2.18	0.46	1422	4.42	2.03	0.46	1492	4.09	1.88	0.46	1575
23	22	5.01	1.70	0.34	1478	4.69	1.60	0.34	1561	4.37	1.49	0.34	1617
24	18	4.51	2.79	0.62	1366	4.14	2.57	0.62	1450	3.82	2.37	0.62	1506
24	20	4.74	2.37	0.50	1422	4.42	2.21	0.50	1492	4.09	2.05	0.50	1575
24	22	5.01	1.91	0.38	1478	4.69	1.78	0.38	1561	4.37	1.66	0.38	1617
24	24	5.29	1.38	0.26	1533	4.97	1.29	0.26	1603	4.69	1.22	0.26	1673
25	20	4.74	2.56	0.54	1422	4.42	2.38	0.54	1492	4.09	2.21	0.54	1575
25	22	5.01	2.11	0.42	1478	4.69	1.97	0.42	1561	4.37	1.84	0.42	1617
25	24	5.29	1.59	0.30	1533	4.97	1.49	0.30	1603	4.69	1.41	0.30	1673
26	18	4.51	3.16	0.70	1366	4.14	2.90	0.70	1450	3.82	2.67	0.70	1506
26	20	4.74	2.75	0.58	1422	4.42	2.56	0.58	1492	4.09	2.37	0.58	1575
26	22	5.01	2.31	0.46	1478	4.69	2.16	0.46	1561	4.37	2.01	0.46	1617
26	24	5.29	1.80	0.34	1533	4.97	1.69	0.34	1603	4.69	1.60	0.34	1673
26	26	5.57	1.22	0.22	1589	5.24	1.15	0.22	1659	4.92	1.08	0.22	1729
27	18	4.51	3.34	0.74	1366	4.14	3.06	0.74	1450	3.82	2.83	0.74	1506
27	20	4.74	2.94	0.62	1422	4.42	2.74	0.62	1492	4.09	2.54	0.62	1575
27	22	5.01	2.51	0.50	1478	4.69	2.35	0.50	1561	4.37	2.19	0.50	1617
27	24	5.29	2.01	0.38	1533	4.97	1.89	0.38	1603	4.69	1.78	0.38	1673
27	26	5.57	1.45	0.26	1589	5.24	1.36	0.26	1659	4.92	1.28	0.26	1729
28	18	4.51	3.52	0.78	1366	4.14	3.23	0.78	1450	3.82	2.98	0.78	1506
28	20	4.74	3.13	0.66	1422	4.42	2.91	0.66	1492	4.09	2.70	0.66	1575
28	22	5.01	2.71	0.54	1478	4.69	2.53	0.54	1561	4.37	2.36	0.54	1617
28	24	5.29	2.22	0.42	1533	4.97	2.09	0.42	1603	4.69	1.97	0.42	1673
28	26	5.57	1.67	0.30	1589	5.24	1.57	0.30	1659	4.92	1.48	0.30	1729
29	18	4.51	3.70	0.82	1366	4.14	3.39	0.82	1450	3.82	3.13	0.82	1506
29	20	4.74	3.32	0.70	1422	4.42	3.09	0.70	1492	4.09	2.87	0.70	1575
29	22	5.01	2.91	0.58	1478	4.69	2.72	0.58	1561	4.37	2.53	0.58	1617
29	24	5.29	2.43	0.46	1533	4.97	2.29	0.46	1603	4.69	2.16	0.46	1673
29	26	5.57	1.89	0.34	1589	5.24	1.78	0.34	1659	4.92	1.67	0.34	1729
30	18	4.51	3.88	0.86	1366	4.14	3.56	0.86	1450	3.82	3.28	0.86	1506
30	20	4.74	3.51	0.74	1422	4.42	3.27	0.74	1492	4.09	3.03	0.74	1575
30	22	5.01	3.11	0.62	1478	4.69	2.91	0.62	1561	4.37	2.71	0.62	1617
30	24	5.29	2.65	0.50	1533	4.97	2.48	0.50	1603	4.69	2.35	0.50	1673
30	26	5.57	2.12	0.38	1589	5.24	1.99	0.38	1659	4.92	1.87	0.38	1729
31	18	4.51	4.06	0.90	1366	4.14	3.73	0.90	1450	3.82	3.44	0.90	1506
31	20	4.74	3.70	0.78	1422	4.42	3.44	0.78	1492	4.09	3.19	0.78	1575
31	22	5.01	3.31	0.66	1478	4.69	3.10	0.66	1561	4.37	2.88	0.66	1617
31	24	5.29	2.86	0.54	1533	4.97	2.68	0.54	1603	4.69	2.53	0.54	1673
31	26	5.57	2.34	0.42	1589	5.24	2.20	0.42	1659	4.92	2.07	0.42	1729
32	18	4.51	4.24	0.94	1366	4.14	3.89	0.94	1450	3.82	3.59	0.94	1506
32	20	4.74	3.89	0.82	1422	4.42	3.62	0.82	1492	4.09	3.36	0.82	1575
32	22	5.01	3.51	0.70	1478	4.69	3.28	0.70	1561	4.37	3.06	0.70	1617
32	24	5.29	3.07	0.58	1533	4.97	2.88	0.58	1603	4.69	2.72	0.58	1673
32	26	5.57	2.56	0.46	1589	5.24	2.41	0.46	1659	4.92	2.26	0.46	1729

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SLZ-M60FA / SUZ-KA60VA6
CAPACITY : 5.6(kW) INPUT :1,767(W) SHF : 0.68

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6.58	3.29	0.50	1414	6.30	3.15	0.50	1484	6.05	3.02	0.50	1555	5.82	2.91	0.50	1626
21	20	6.86	2.61	0.38	1484	6.58	2.50	0.38	1573	6.38	2.43	0.38	1608	6.16	2.34	0.38	1679
22	18	6.58	3.55	0.54	1414	6.30	3.40	0.54	1484	6.05	3.27	0.54	1555	5.82	3.14	0.54	1626
22	20	6.86	2.88	0.42	1484	6.58	2.76	0.42	1573	6.38	2.68	0.42	1608	6.16	2.59	0.42	1679
22	22	7.14	2.14	0.30	1537	6.89	2.07	0.30	1634	6.72	2.02	0.30	1679	6.44	1.93	0.30	1749
23	18	6.58	3.82	0.58	1414	6.30	3.65	0.58	1484	6.05	3.51	0.58	1555	5.82	3.38	0.58	1626
23	20	6.86	3.16	0.46	1484	6.58	3.03	0.46	1573	6.38	2.94	0.46	1608	6.16	2.83	0.46	1679
23	22	7.14	2.43	0.34	1537	6.89	2.34	0.34	1634	6.72	2.28	0.34	1679	6.44	2.19	0.34	1749
24	18	6.58	4.08	0.62	1414	6.30	3.91	0.62	1484	6.05	3.75	0.62	1555	5.82	3.61	0.62	1626
24	20	6.86	3.43	0.50	1484	6.58	3.29	0.50	1573	6.38	3.19	0.50	1608	6.16	3.08	0.50	1679
24	22	7.14	2.71	0.38	1537	6.89	2.62	0.38	1634	6.72	2.55	0.38	1679	6.44	2.45	0.38	1749
24	24	7.50	1.95	0.26	1608	7.22	1.88	0.26	1696	7.06	1.83	0.26	1749	6.83	1.78	0.26	1838
25	20	6.86	3.70	0.54	1484	6.58	3.55	0.54	1573	6.38	3.45	0.54	1608	6.16	3.33	0.54	1679
25	22	7.14	3.00	0.42	1537	6.89	2.89	0.42	1634	6.72	2.82	0.42	1679	6.44	2.70	0.42	1749
25	24	7.50	2.25	0.30	1608	7.22	2.17	0.30	1696	7.06	2.12	0.30	1749	6.83	2.05	0.30	1838
26	18	6.58	4.61	0.70	1414	6.30	4.41	0.70	1484	6.05	4.23	0.70	1555	5.82	4.08	0.70	1626
26	20	6.86	3.98	0.58	1484	6.58	3.82	0.58	1573	6.38	3.70	0.58	1608	6.16	3.57	0.58	1679
26	22	7.14	3.28	0.46	1537	6.89	3.17	0.46	1634	6.72	3.09	0.46	1679	6.44	2.96	0.46	1749
26	24	7.50	2.55	0.34	1608	7.22	2.46	0.34	1696	7.06	2.40	0.34	1749	6.83	2.32	0.34	1838
26	26	7.73	1.70	0.22	1696	7.50	1.65	0.22	1785	7.39	1.63	0.22	1838	7.17	1.58	0.22	1891
27	18	6.58	4.87	0.74	1414	6.30	4.66	0.74	1484	6.05	4.48	0.74	1555	5.82	4.31	0.74	1626
27	20	6.86	4.25	0.62	1484	6.58	4.08	0.62	1573	6.38	3.96	0.62	1608	6.16	3.82	0.62	1679
27	22	7.14	3.57	0.50	1537	6.89	3.44	0.50	1634	6.72	3.36	0.50	1679	6.44	3.22	0.50	1749
27	24	7.50	2.85	0.38	1608	7.22	2.75	0.38	1696	7.06	2.68	0.38	1749	6.83	2.60	0.38	1838
27	26	7.73	2.01	0.26	1696	7.50	1.95	0.26	1785	7.39	1.92	0.26	1838	7.17	1.86	0.26	1891
28	18	6.58	5.13	0.78	1414	6.30	4.91	0.78	1484	6.05	4.72	0.78	1555	5.82	4.54	0.78	1626
28	20	6.86	4.53	0.66	1484	6.58	4.34	0.66	1573	6.38	4.21	0.66	1608	6.16	4.07	0.66	1679
28	22	7.14	3.86	0.54	1537	6.89	3.72	0.54	1634	6.72	3.63	0.54	1679	6.44	3.48	0.54	1749
28	24	7.50	3.15	0.42	1608	7.22	3.03	0.42	1696	7.06	2.96	0.42	1749	6.83	2.87	0.42	1838
28	26	7.73	2.32	0.30	1696	7.50	2.25	0.30	1785	7.39	2.22	0.30	1838	7.17	2.15	0.30	1891
29	18	6.58	5.40	0.82	1414	6.30	5.17	0.82	1484	6.05	4.96	0.82	1555	5.82	4.78	0.82	1626
29	20	6.86	4.80	0.70	1484	6.58	4.61	0.70	1573	6.38	4.47	0.70	1608	6.16	4.31	0.70	1679
29	22	7.14	4.14	0.58	1537	6.89	4.00	0.58	1634	6.72	3.90	0.58	1679	6.44	3.74	0.58	1749
29	24	7.50	3.45	0.46	1608	7.22	3.32	0.46	1696	7.06	3.25	0.46	1749	6.83	3.14	0.46	1838
29	26	7.73	2.63	0.34	1696	7.50	2.55	0.34	1785	7.39	2.51	0.34	1838	7.17	2.44	0.34	1891
30	18	6.58	5.66	0.86	1414	6.30	5.42	0.86	1484	6.05	5.20	0.86	1555	5.82	5.01	0.86	1626
30	20	6.86	5.08	0.74	1484	6.58	4.87	0.74	1573	6.38	4.72	0.74	1608	6.16	4.56	0.74	1679
30	22	7.14	4.43	0.62	1537	6.89	4.27	0.62	1634	6.72	4.17	0.62	1679	6.44	3.99	0.62	1749
30	24	7.50	3.75	0.50	1608	7.22	3.61	0.50	1696	7.06	3.53	0.50	1749	6.83	3.42	0.50	1838
30	26	7.73	2.94	0.38	1696	7.50	2.85	0.38	1785	7.39	2.81	0.38	1838	7.17	2.72	0.38	1891
31	18	6.58	5.92	0.90	1414	6.30	5.67	0.90	1484	6.05	5.44	0.90	1555	5.82	5.24	0.90	1626
31	20	6.86	5.35	0.78	1484	6.58	5.13	0.78	1573	6.38	4.98	0.78	1608	6.16	4.80	0.78	1679
31	22	7.14	4.71	0.66	1537	6.89	4.55	0.66	1634	6.72	4.44	0.66	1679	6.44	4.25	0.66	1749
31	24	7.50	4.05	0.54	1608	7.22	3.90	0.54	1696	7.06	3.81	0.54	1749	6.83	3.69	0.54	1838
31	26	7.73	3.25	0.42	1696	7.50	3.15	0.42	1785	7.39	3.10	0.42	1838	7.17	3.01	0.42	1891
32	18	6.58	6.19	0.94	1414	6.30	5.92	0.94	1484	6.05	5.69	0.94	1555	5.82	5.47	0.94	1626
32	20	6.86	5.63	0.82	1484	6.58	5.40	0.82	1573	6.38	5.23	0.82	1608	6.16	5.05	0.82	1679
32	22	7.14	5.00	0.70	1537	6.89	4.82	0.70	1634	6.72	4.70	0.70	1679	6.44	4.51	0.70	1749
32	24	7.50	4.35	0.58	1608	7.22	4.19	0.58	1696	7.06	4.09	0.58	1749	6.83	3.96	0.58	1838
32	26	7.73	3.55	0.46	1696	7.50	3.45	0.46	1785	7.39	3.40	0.46	1838	7.17	3.30	0.46	1891

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SLZ-M60FA / SUZ-KA60VA6
CAPACITY : 5.6(kW) INPUT :1,767(W) SHF : 0.68

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.49	2.74	0.50	1732	5.04	2.52	0.50	1838	4.65	2.32	0.50	1908
21	20	5.77	2.19	0.38	1802	5.38	2.04	0.38	1891	4.98	1.89	0.38	1997
22	18	5.49	2.96	0.54	1732	5.04	2.72	0.54	1838	4.65	2.51	0.54	1908
22	20	5.77	2.42	0.42	1802	5.38	2.26	0.42	1891	4.98	2.09	0.42	1997
22	22	6.10	1.83	0.30	1873	5.71	1.71	0.30	1979	5.32	1.60	0.30	2050
23	18	5.49	3.18	0.58	1732	5.04	2.92	0.58	1838	4.65	2.70	0.58	1908
23	20	5.77	2.65	0.46	1802	5.38	2.47	0.46	1891	4.98	2.29	0.46	1997
23	22	6.10	2.08	0.34	1873	5.71	1.94	0.34	1979	5.32	1.81	0.34	2050
24	18	5.49	3.40	0.62	1732	5.04	3.12	0.62	1838	4.65	2.88	0.62	1908
24	20	5.77	2.88	0.50	1802	5.38	2.69	0.50	1891	4.98	2.49	0.50	1997
24	22	6.10	2.32	0.38	1873	5.71	2.17	0.38	1979	5.32	2.02	0.38	2050
24	24	6.44	1.67	0.26	1944	6.05	1.57	0.26	2032	5.71	1.49	0.26	2120
25	20	5.77	3.11	0.54	1802	5.38	2.90	0.54	1891	4.98	2.69	0.54	1997
25	22	6.10	2.56	0.42	1873	5.71	2.40	0.42	1979	5.32	2.23	0.42	2050
25	24	6.44	1.93	0.30	1944	6.05	1.81	0.30	2032	5.71	1.71	0.30	2120
26	18	5.49	3.84	0.70	1732	5.04	3.53	0.70	1838	4.65	3.25	0.70	1908
26	20	5.77	3.35	0.58	1802	5.38	3.12	0.58	1891	4.98	2.89	0.58	1997
26	22	6.10	2.81	0.46	1873	5.71	2.63	0.46	1979	5.32	2.45	0.46	2050
26	24	6.44	2.19	0.34	1944	6.05	2.06	0.34	2032	5.71	1.94	0.34	2120
26	26	6.78	1.49	0.22	2014	6.38	1.40	0.22	2103	5.99	1.32	0.22	2191
27	18	5.49	4.06	0.74	1732	5.04	3.73	0.74	1838	4.65	3.44	0.74	1908
27	20	5.77	3.58	0.62	1802	5.38	3.33	0.62	1891	4.98	3.09	0.62	1997
27	22	6.10	3.05	0.50	1873	5.71	2.86	0.50	1979	5.32	2.66	0.50	2050
27	24	6.44	2.45	0.38	1944	6.05	2.30	0.38	2032	5.71	2.17	0.38	2120
27	26	6.78	1.76	0.26	2014	6.38	1.66	0.26	2103	5.99	1.56	0.26	2191
28	18	5.49	4.28	0.78	1732	5.04	3.93	0.78	1838	4.65	3.63	0.78	1908
28	20	5.77	3.81	0.66	1802	5.38	3.55	0.66	1891	4.98	3.29	0.66	1997
28	22	6.10	3.30	0.54	1873	5.71	3.08	0.54	1979	5.32	2.87	0.54	2050
28	24	6.44	2.70	0.42	1944	6.05	2.54	0.42	2032	5.71	2.40	0.42	2120
28	26	6.78	2.03	0.30	2014	6.38	1.92	0.30	2103	5.99	1.80	0.30	2191
29	18	5.49	4.50	0.82	1732	5.04	4.13	0.82	1838	4.65	3.81	0.82	1908
29	20	5.77	4.04	0.70	1802	5.38	3.76	0.70	1891	4.98	3.49	0.70	1997
29	22	6.10	3.54	0.58	1873	5.71	3.31	0.58	1979	5.32	3.09	0.58	2050
29	24	6.44	2.96	0.46	1944	6.05	2.78	0.46	2032	5.71	2.63	0.46	2120
29	26	6.78	2.30	0.34	2014	6.38	2.17	0.34	2103	5.99	2.04	0.34	2191
30	18	5.49	4.72	0.86	1732	5.04	4.33	0.86	1838	4.65	4.00	0.86	1908
30	20	5.77	4.27	0.74	1802	5.38	3.98	0.74	1891	4.98	3.69	0.74	1997
30	22	6.10	3.78	0.62	1873	5.71	3.54	0.62	1979	5.32	3.30	0.62	2050
30	24	6.44	3.22	0.50	1944	6.05	3.02	0.50	2032	5.71	2.86	0.50	2120
30	26	6.78	2.57	0.38	2014	6.38	2.43	0.38	2103	5.99	2.28	0.38	2191
31	18	5.49	4.94	0.90	1732	5.04	4.54	0.90	1838	4.65	4.18	0.90	1908
31	20	5.77	4.50	0.78	1802	5.38	4.19	0.78	1891	4.98	3.89	0.78	1997
31	22	6.10	4.03	0.66	1873	5.71	3.77	0.66	1979	5.32	3.51	0.66	2050
31	24	6.44	3.48	0.54	1944	6.05	3.27	0.54	2032	5.71	3.08	0.54	2120
31	26	6.78	2.85	0.42	2014	6.38	2.68	0.42	2103	5.99	2.52	0.42	2191
32	18	5.49	5.16	0.94	1732	5.04	4.74	0.94	1838	4.65	4.37	0.94	1908
32	20	5.77	4.73	0.82	1802	5.38	4.41	0.82	1891	4.98	4.09	0.82	1997
32	22	6.10	4.27	0.70	1873	5.71	4.00	0.70	1979	5.32	3.72	0.70	2050
32	24	6.44	3.74	0.58	1944	6.05	3.51	0.58	2032	5.71	3.31	0.58	2120
32	26	6.78	3.12	0.46	2014	6.38	2.94	0.46	2103	5.99	2.76	0.46	2191

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

HEATING operation
SLZ-M25FA / SUZ-KA25VA6 at Rated frequency

CAPACITY : 3.2(kW) INPUT : 886(W)

	OUTDOOR WB(℃)															
INDOOR	−15		−10		−5		0		5		10		15		20	
DB(℃)	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	1.60	461	2.02	576	2.43	691	2.85	780	3.26	842	3.68	895	4.06	921	4.48	939
21	1.50	491	1.92	620	2.30	735	2.72	815	3.10	877	3.52	921	3.90	948	4.30	983
26	1.31	532	1.73	665	2.14	780	2.53	859	2.94	921	3.36	966	3.74	992	4.16	1019

SLZ-M35FA / SUZ-KA35VA6 at Rated frequency

CAPACITY: 4.0(kW) INPUT : 1,108(W)

	OUTDOOR WB(℃)															
INDOOR	−15		−10		−5		0		5		10		15		20	
DB(℃)	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	2.00	576	2.52	720	3.04	864	3.56	975	4.08	1053	4.60	1119	5.08	1152	5.60	1174
21	1.88	614	2.40	776	2.88	920	3.40	1019	3.88	1097	4.40	1152	4.88	1186	5.38	1230
26	1.64	665	2.16	831	2.68	975	3.16	1075	3.68	1152	4.20	1208	4.68	1241	5.20	1274

SLZ-M50FA / SUZ-KA50VA6 at Rated frequency

CAPACITY: 5.0(kW) INPUT : 1,558(W)

	OUTDOOR WB(℃)															
INDOOR	−15		−10		−5		0		5		10		15		20	
DB(℃)	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	2.50	834	3.15	1013	3.80	1215	4.45	1371	5.10	1480	5.75	1574	6.35	1620	7.00	1651
21	2.35	888	3.00	1091	3.60	1293	4.25	1433	4.85	1542	5.50	1620	6.10	1667	6.73	1729
26	2.05	961	2.70	1169	3.35	1371	3.95	1511	4.60	1620	5.25	1698	5.85	1745	6.50	1792

SLZ-M60FA / SUZ-KA60VA6 at Rated frequency

CAPACITY: 6.4(kW) INPUT : 2,278(W)

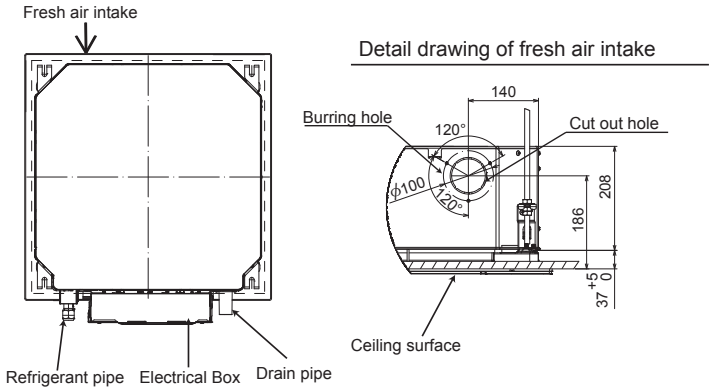
	OUTDOOR WB(℃)															
INDOOR	−15		−10		−5		0		5		10		15		20	
DB(℃)	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	3.20	1219	4.03	1481	4.86	1777	5.70	2005	6.53	2164	7.36	2301	8.13	2369	8.96	2415
21	3.01	1298	3.84	1595	4.61	1891	5.44	2096	6.21	2255	7.04	2369	7.81	2437	8.61	2529
26	2.62	1406	3.46	1709	4.29	2005	5.06	2210	5.89	2369	6.72	2483	7.49	2551	8.32	2620

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

B.1.6 4-WAY AIR FLOW SYSTEM

1. FRESH AIR INTAKE (LOCATION FOR INSTALLATION)

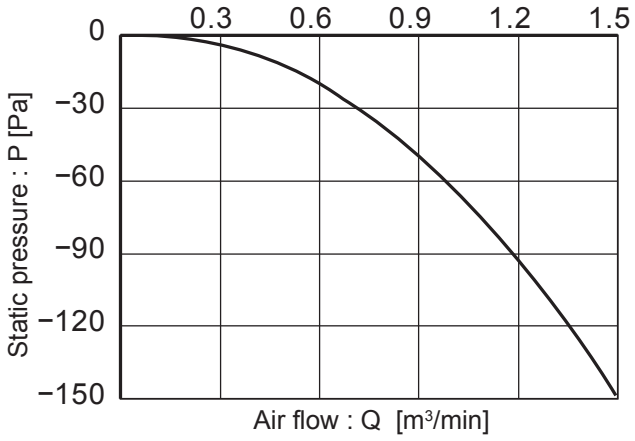
At the time of installation, use the duct holes (cut out) located at the positions shown in following diagram, as and when required.



2. FRESH AIR INTAKE AMOUNT & STATIC PRESSURE CHARACTERISTICS

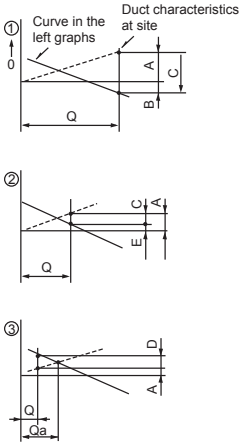
SLZ-M15FA SLZ-M25FA SLZ-M35FA SLZ-M50FA SLZ-M60FA

Taking air into the unit



NOTE: Fresh air intake amount should be 10% or less of whole air amount to prevent dew dripping.

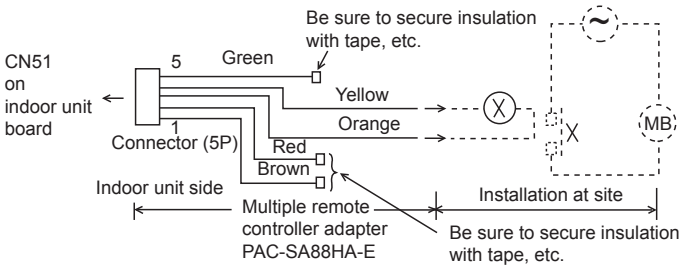
How to read curves

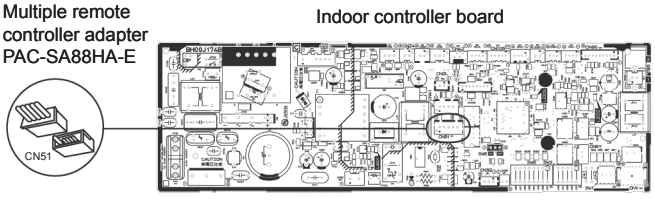


Q…Designed amount of fresh air intake ,<m³/min>
A…Static pressure loss of fresh air intake duct system with airflow amount Q,<Pa>
B…Forced static pressure at air conditioner inlet with airflow amount Q, <Pa>
C…Static pressure of booster fan with airflow amount Q,<Pa>
D…Static pressure loss increase amount of fresh air intake duct system for airflow amount Q,<Pa>
E…Static pressure of indoor unit with airflow amount Q <Pa>
Qa..Estimated amount of fresh air intake without D,<m³/min>

3. OPERATION IN CONJUNCTION WITH DUCT FAN (BOOSTER FAN)

●Whenever the indoor unit operates, the duct fan operates.
(1)Connect the optional multiple remote controller adapter(PAC-SA88HA-E) to the connector CN51 on the indoor controller board.
(2)Drive the relay after connecting the 12V DC relay between the Yellow and Orange connector lines.
Use a relay of 1W or smaller.
MB: Electromagnetic switch power relay for duct fan.
X: Auxiliary relay (12V DC LY-1F)





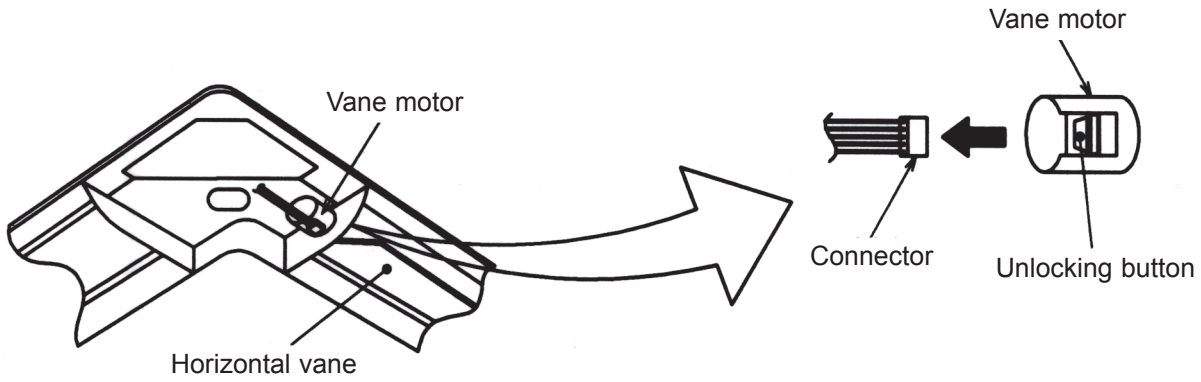
Distance between indoor controller board and relay must be within 10 m.

4. FIXING OF HORIZONTAL VANE

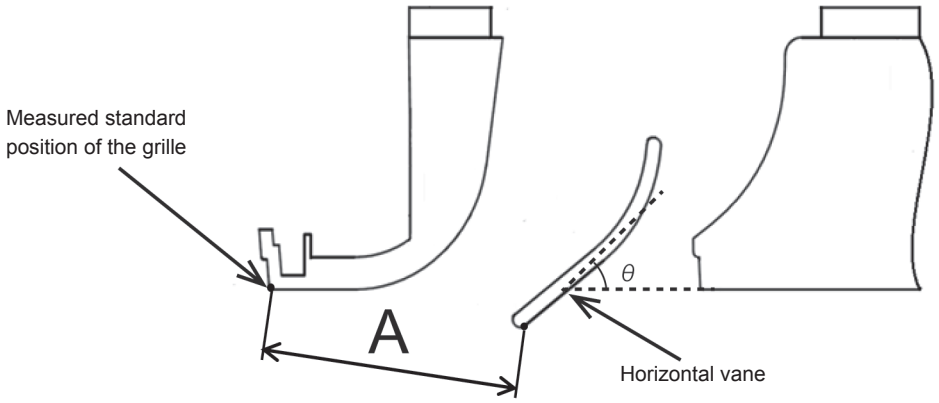
Horizontal vane of each air outlet can be fixed according to the environment where it is installed.

Setting procedure

1) Turn off a main power supply (Turn off a breaker).
2) Remove the vane motor connector in the direction of the arrow shown below with pressing the unlocking button as in the figure below.
   Insulate the disconnected connector with the plastic tape.



3) Set the vertical vane of the air outlet by hand slowly within the range in the table below.



<Set range>

Standard of horizontal position	Angle θ = 21° (Horizontal)	Angle θ = 24°	Angle θ = 39°	Angle θ = 42°	Angle θ = 45° (Downward)
Dimension A (mm)	39	41	47	48	49

Note: Dimension between 39 mm and 49 mm can be arbitrarily set.

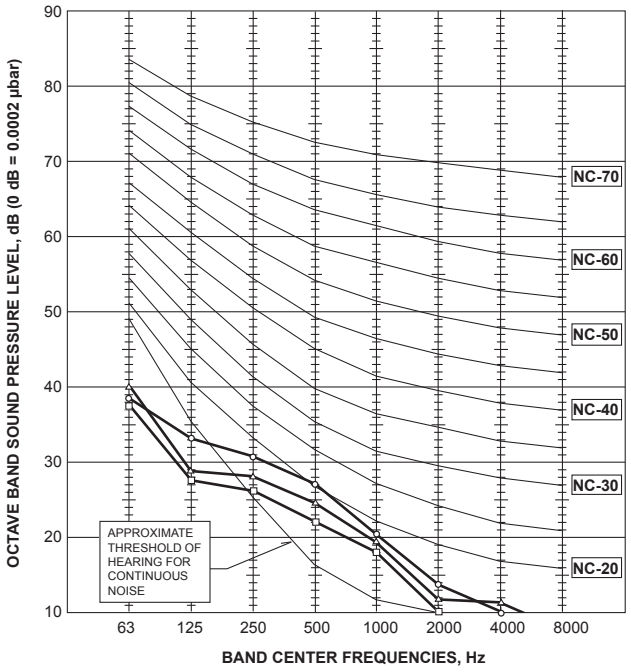
Caution	Do not set the dimension out of the range.
	Erroneous setting could cause dew drips or malfunction of unit.

B.1.7 NOISE CRITERIA CURVES

SLZ-M15FA

<50Hz>

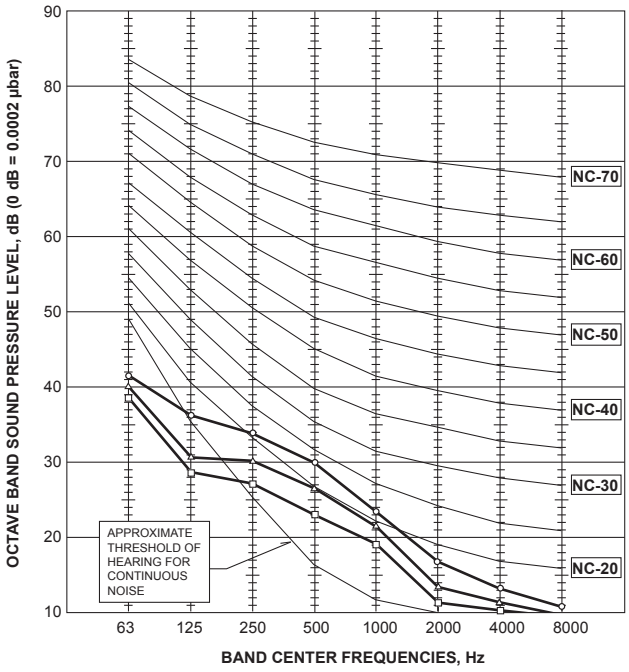
NOTCH	SPL(dB)	LINE
High	28	
Medium	26	
Low	24	



SLZ-M25FA

<50Hz>

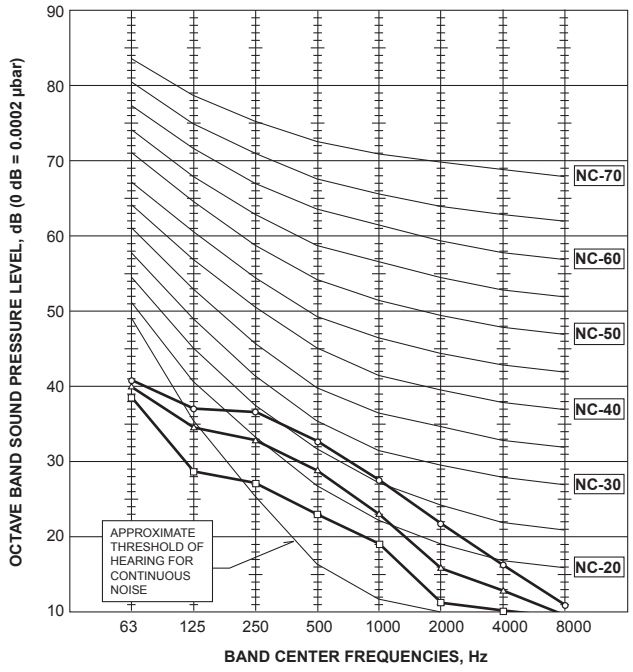
NOTCH	SPL(dB)	LINE
High	31	
Medium	28	
Low	25	



SLZ-M35FA

<50Hz>

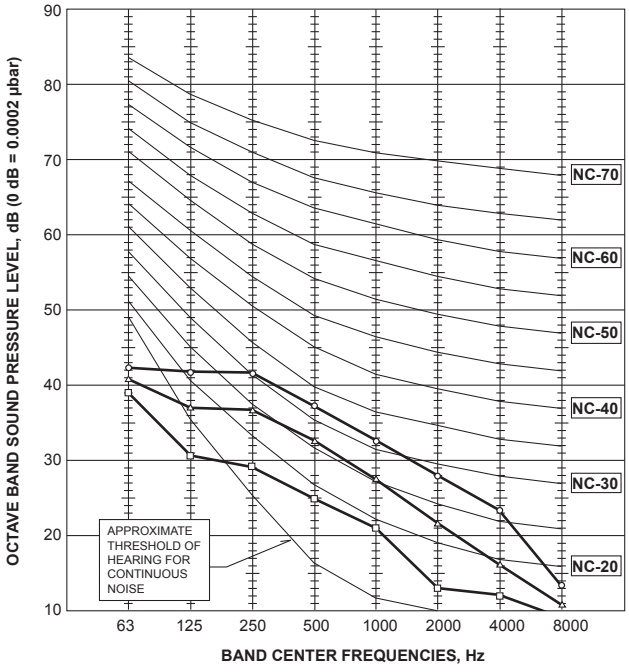
NOTCH	SPL(dB)	LINE
High	34	
Medium	30	
Low	25	



SLZ-M50FA

<50Hz>

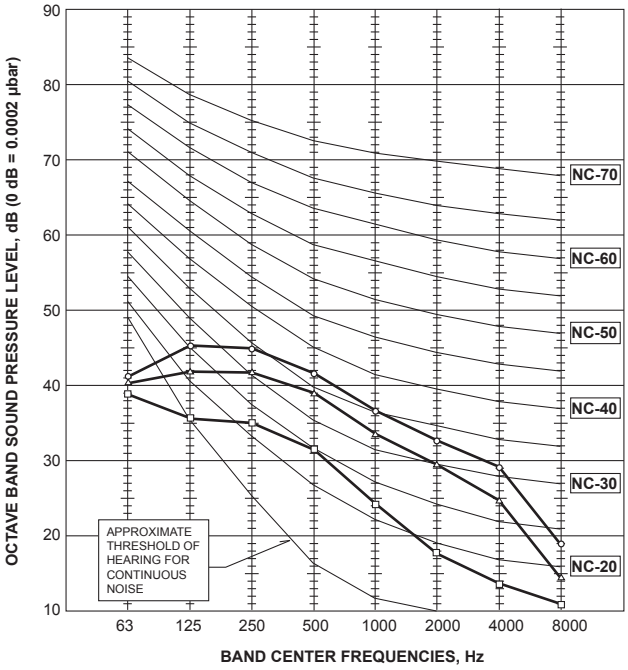
NOTCH	SPL(dB)	LINE
High	39	
Medium	34	
Low	27	

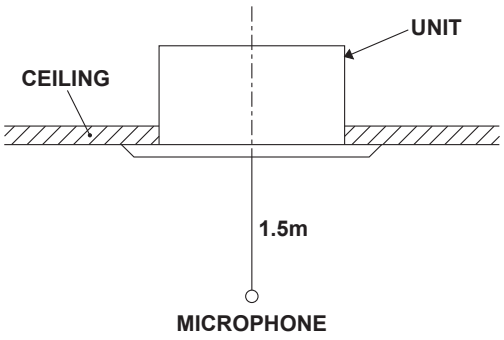


SLZ-M60FA

<50Hz>

NOTCH	SPL(dB)	LINE
High	43	
Medium	40	
Low	32	





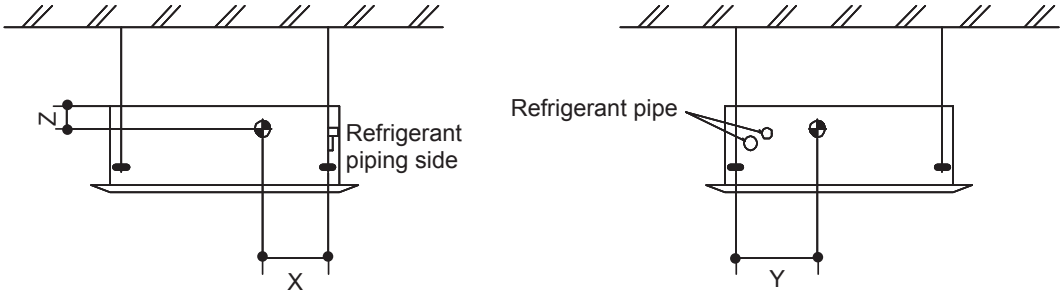
NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than the indicated level in actual use due to surrounding echoes. The sound level can be higher by about 2 dB than the indicated level during cooling and heating operation.

B.1.8 OUTLET AIR SPEED AND COVERAGE RANGE

		SLZ-M15FA	SLZ-M25FA	SLZ-M35FA	SLZ-M50FA	SLZ-M60FA
Air flow	m³/min	7.0	8.5	9.5	11.5	13.0
Air speed	m/sec	1.7	2.1	2.3	2.8	3.2
Coverage range	m	2.7	3.3	3.6	4.2	4.8

The air coverage range is the distance to which the 0.25m/sec air can reach, when air is blown out horizontally from the unit at the High notch position.
The coverage range should be used only as a general guideline since it varies according to the size of the room and the furniture in the room.

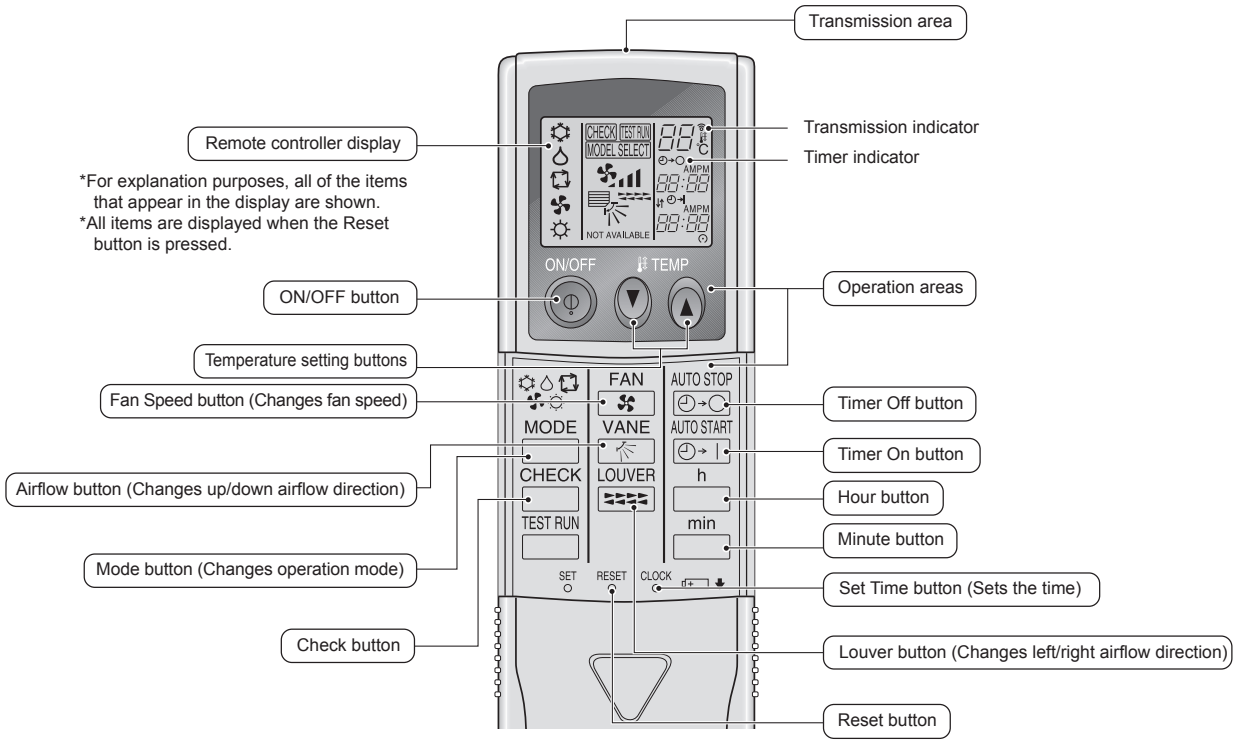
B.1.9 CENTER OF GRAVITY POSITION



Model	X	Y	Z
SLZ-M15FA	150	260	105
SLZ-M25FA	150	260	105
SLZ-M35FA	150	260	105
SLZ-M50FA	150	260	105
SLZ-M60FA	150	260	105

B.1.10 REMOTE CONTROLLER
B.1.10.1 WIRELESS REMOTE CONTROLLER

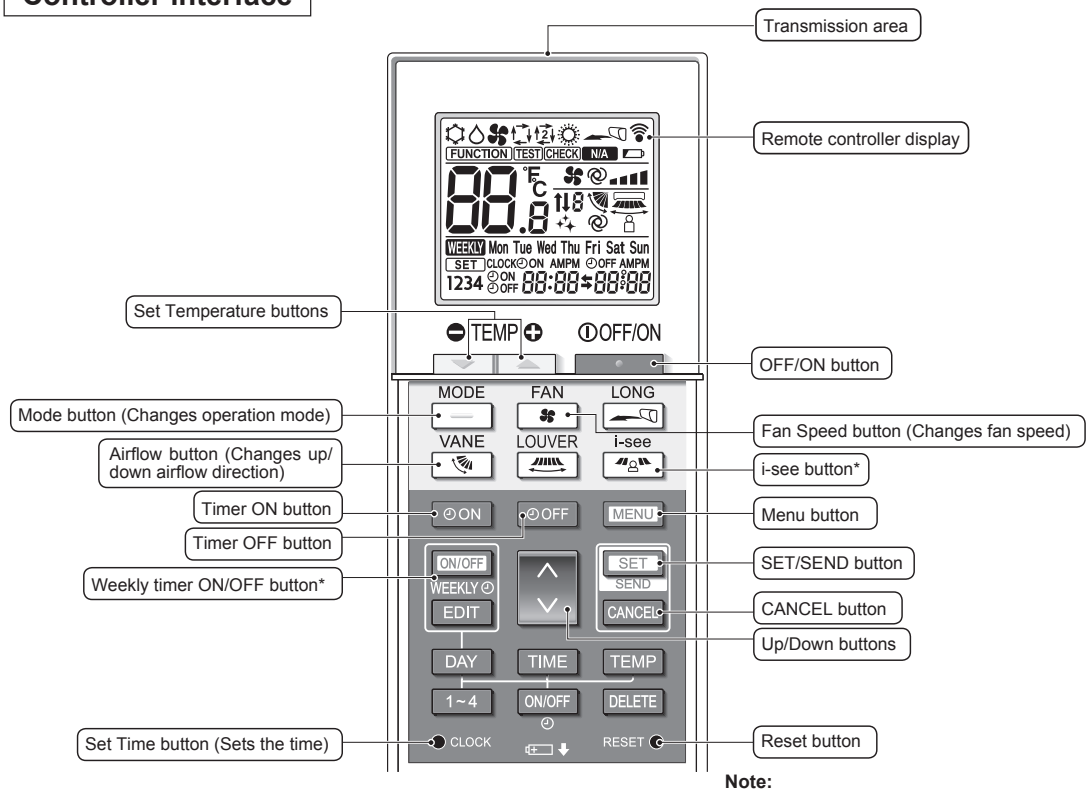
[PAR-SL97A-E]



[PAR-SL100A-E]

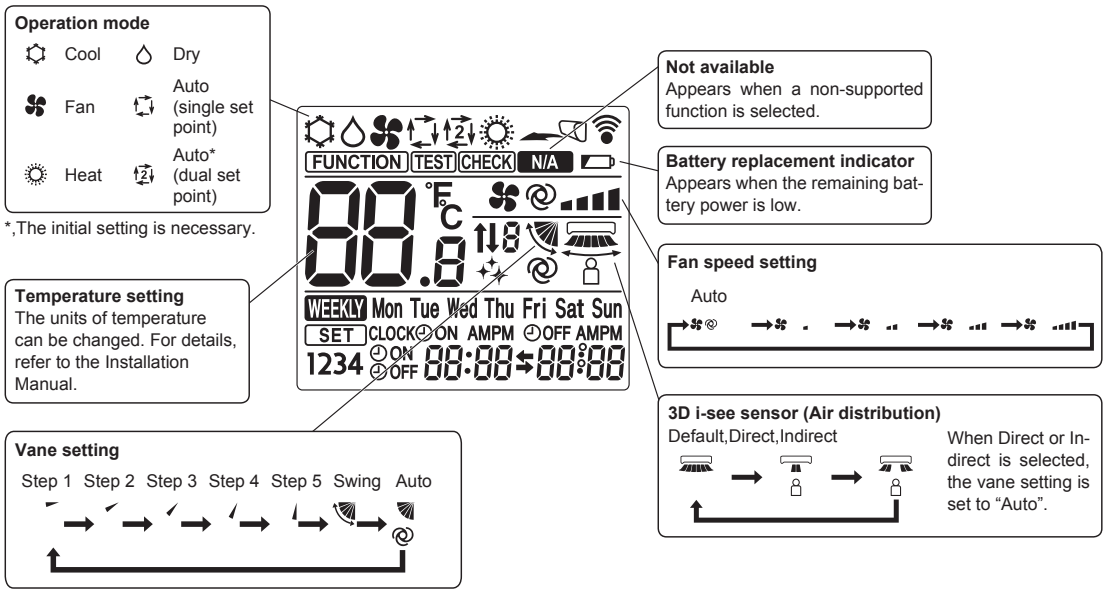
When cover is open

Controller interface



Note:
***,This button is enabled or disabled depending on the model of the indoor unit.**

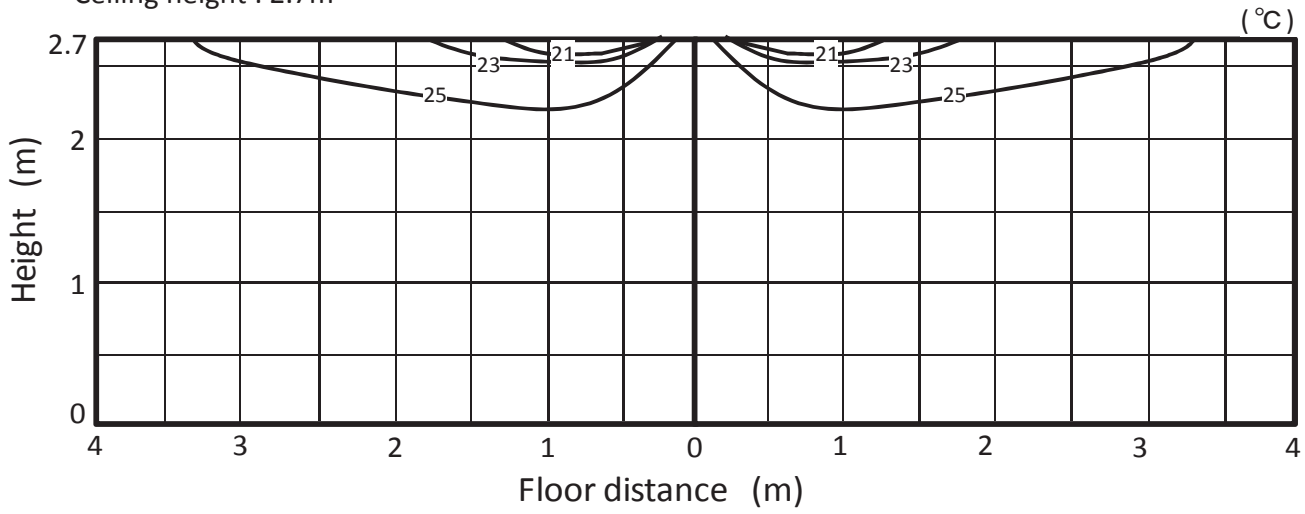
Display



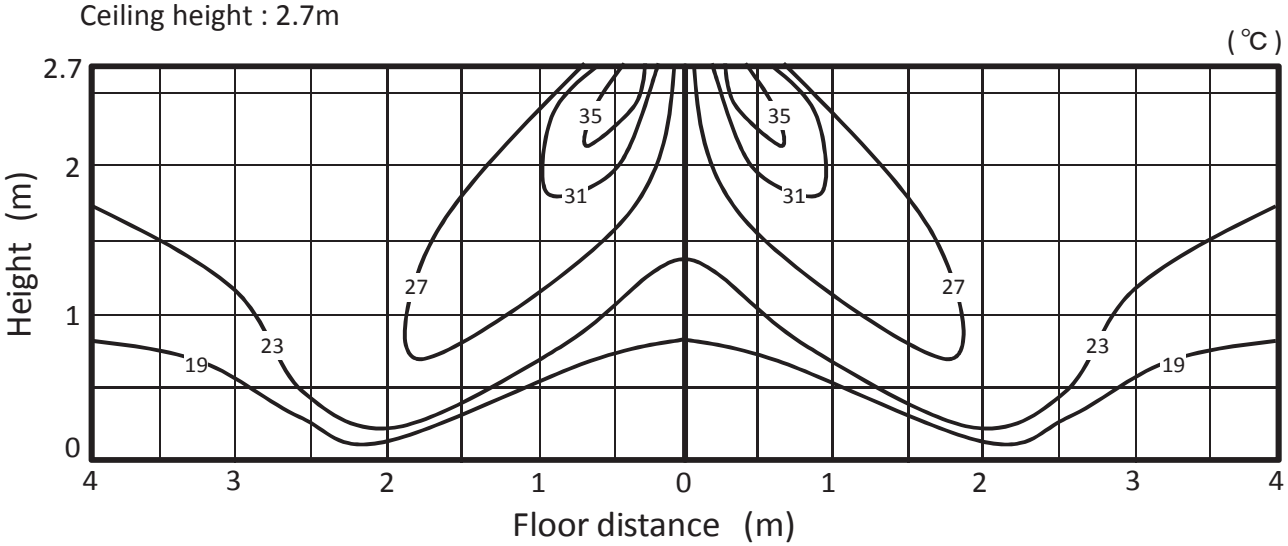
B.1.11 TEMPERATURE AND AIRFLOW DISTRIBUTIONS

TEMPERATURE DISTRIBUTION
SLZ-M·FA
SLZ-M60FA

<Cooling mode>
Horizontal
Ceiling height : 2.7m

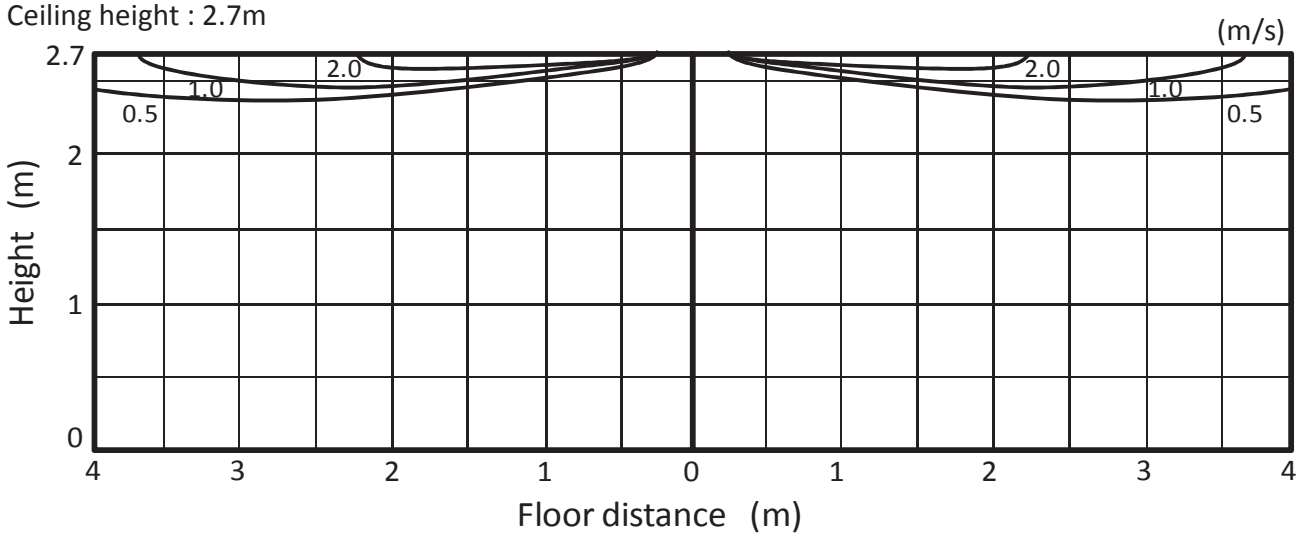


<Heating mode>
Downward
Ceiling height : 2.7m

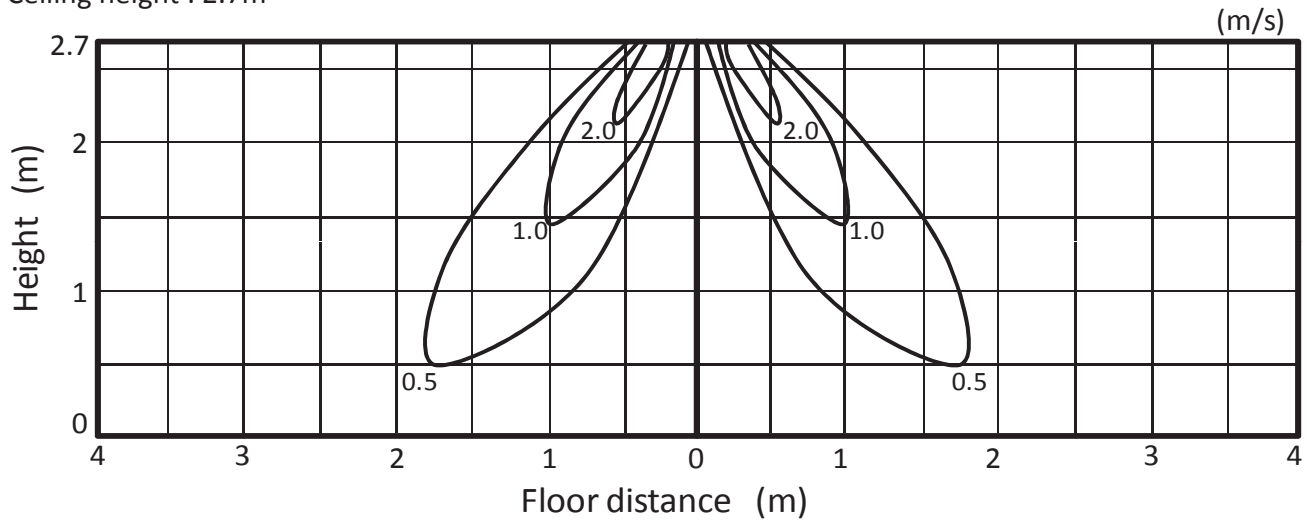


AIR FLOW DISTRIBUTION
SLZ-M·FA
SLZ-M60FA

<Cooling mode>
Horizontal
Ceiling height : 2.7m



<Heating mode>
Downward
Ceiling height : 2.7m



B.2 CEILING-CONCEALED (SEZ)

B.2.1 SPECIFICATIONS

B.2.1.1 R32 type

Model Name	Indoor Unit				SEZ-M25DA/DAL	SEZ-M35DA/DAL	SEZ-M50DA/DAL	SEZ-M60DA/DAL	SEZ-M71DA/DAL
	Outdoor Unit				SUZ-M25VA	SUZ-M35VA	SUZ-M50VA	SUZ-M60VA	SUZ-M71VA
Power Supply				Source	Outdoor power supply				
	Out			V	230	230	230	230	230
				Phase	Single	Single	Single	Single	Single
				Hz	50	50	50	50	50
	In			V	-	-	-	-	-
				Phase	-	-	-	-	-
				Hz	-	-	-	-	-
Refrigerant					R32	R32	R32	R32	R32
Cooling	Capacity	Rated		kW	2.5	3.5	5.0	6.1	7.1
		Max.		kW	3.2	3.9	5.6	6.3	8.1
		Min.		kW	1.4	0.7	1.1	1.6	2.2
	SHF	Rated			0.78	0.76	0.76	0.79	0.74
	Total Input	Rated		kW	0.710	1.000	1.540	1.840	2.150
	EER				3.50	3.50	3.23	3.30	3.30
	Annual Electricity Consumption			kWh/a	165	207	290	386	452
	SEER				5.3	5.9	6.0	5.5	5.5
		Energy efficiency class			A	A^+	A^+	A	A
Heating	Capacity	Rated		kW	2.9	4.2	6.0	7.4	8.0
		Max.		kW	4.2	5.0	7.2	8.0	10.2
		Min.		kW	1.3	1.1	1.5	1.6	2.0
	Total Input	Rated		kW	0.800	1.070	1.610	2.040	2.280
	COP				3.61	3.90	3.71	3.61	3.50
	Annual Electricity Consumption			kWh/a	807	884	1499	1525	2072
	SCOP				3.8	4.1	4.0	4.2	3.9
		Energy efficiency class			A	A^+	A^+	A^+	A
Operating Current(max)				A	7.2	9.0	14.2	15.5	15.7
Indoor Unit	Input	Rated		kW	0.04	0.05	0.07	0.07	0.1
	Operating Current(max)			A	0.40	0.50	0.70	0.70	0.90
	Dimensions		Height	mm	200	200	200	200	200
			Width	mm	790	990	990	1190	1190
			Depth	mm	700	700	700	700	700
	Weight			kg	18	21	23	27	27
	Air Volume		Low	m^3/min.	5.5	7.0	10.0	12.0	12.0
			Mid2	m^3/min.	-	-	-	-	-
			Mid	m^3/min.	7.0	9.0	12.5	15.0	16.0
			Hi	m^3/min.	9.0	11.0	15.0	18.0	20.0
	External Static Pressure			Pa	5-15-35-50	5-15-35-50	5-15-35-50	5-15-35-50	5-15-35-50
	Sound Level (SPL) (External Static Pressure:5Pa)		Low	dB(A)	22	23	29	29	29
			Mid2	dB(A)	-	-	-	-	-
			Mid	dB(A)	25	28	33	33	34
			Hi	dB(A)	29	33	36	37	39
	Sound level (PWL)		Cooling		50	53	57	58	60
Outdoor Unit	Dimensions		Height	mm	550	550	714	880	880
			Width	mm	800	800	800	840	840
			Depth	mm	285	285	285	330	330
	Weight			kg	30	35	41	54	54
	Air Volume	Cooling	Rated	m^3/min.	36.3	34.3	45.8	50.1	50.1
		Heating	Rated	m^3/min.	34.6	32.7	43.7	50.1	50.1
	Sound Level (SPL)	Cooling	Rated	dB(A)	45	48	48	49	49
			Silent	dB(A)	-	-	-	-	-
		Heating	Rated	dB(A)	46	48	49	51	51
	Sound level (PWL)		Cooling		59	59	64	65	66
	Operating Current(max)			A	6.8	8.5	13.5	14.8	14.8
	Breaker Size			A	10	10	20	20	20
Ext. Piping	Diameter	Liquid		mm	6.35	6.35	6.35	6.35	9.52
		Gas		mm	9.52	9.52	12.7	15.88	15.88
	Max. Length	Out-In		m	20	20	30	30	30
	Max. Height	Out-In	Below Indoor	m	12	12	30	30	30
			Above Indoor	m	12	12	30	30	30
Guranteed Operation Range	Outdoor	Cooling	Upper Limit.	°C	+46	+46	+46	+46	+46
			Lower Limit.	°C	-10	-10	-15	-15	-15
		Heating	Upper Limit.	°C	+24	+24	+24	+24	+24
			Lower Limit.	°C	-10	-10	-10	-10	-10

B.2.1.2 R410A type

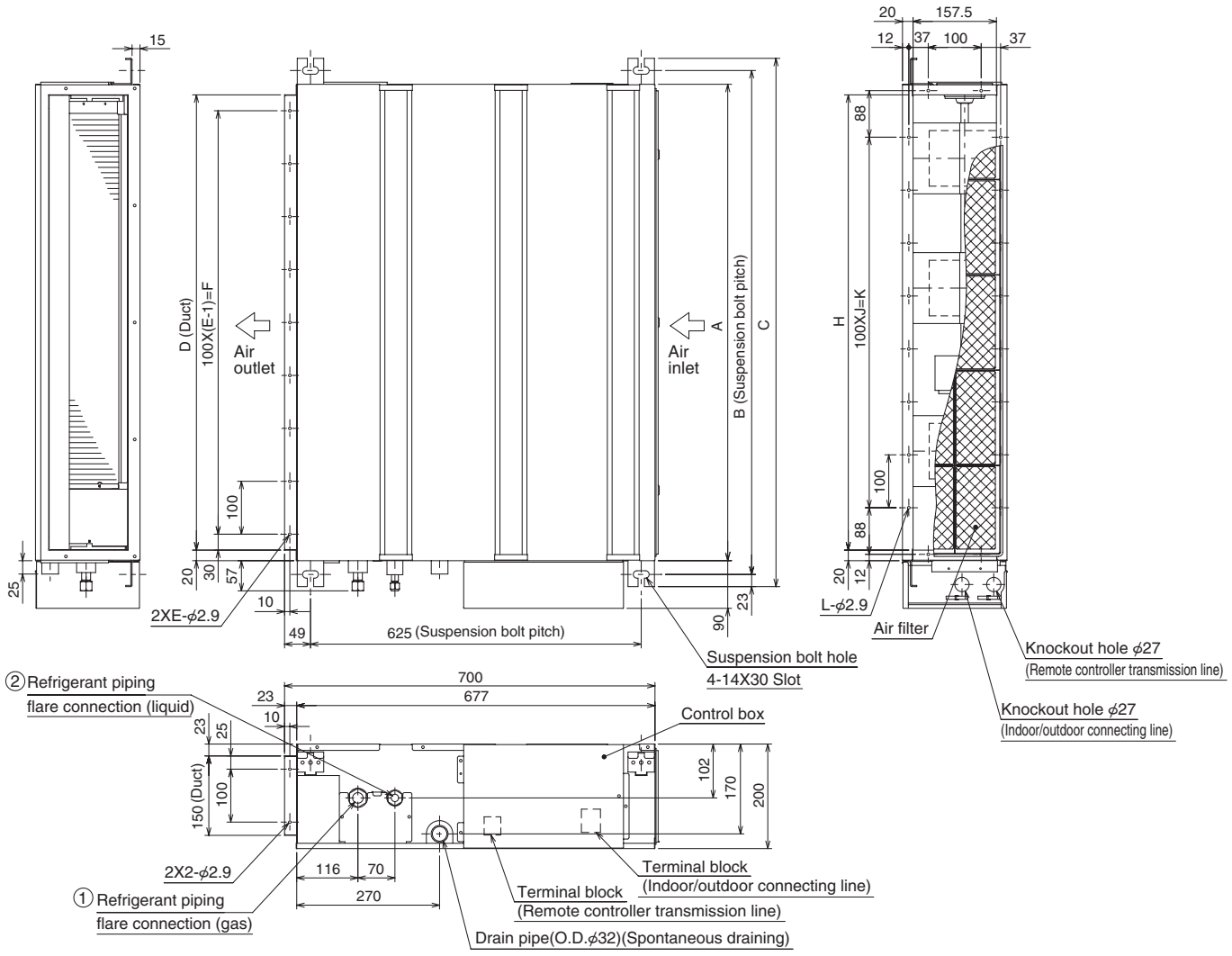
Model Name	Indoor Unit				SEZ-M25DA/DAL	SEZ-M35DA/DAL	SEZ-M50DA/DAL	SEZ-M60DA/DAL	SEZ-M71DA/DAL
	Outdoor Unit				SUZ-KA25VA6	SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6
Power Supply				Source	Outdoor power supply				
	Out			V	230	230	230	230	230
				Phase	Single	Single	Single	Single	Single
				Hz	50	50	50	50	50
	In			V	-	-	-	-	-
				Phase	-	-	-	-	-
				Hz	-	-	-	-	-
Refrigerant					R410A	R410A	R410A	R410A	R410A
Cooling	Capacity	Rated		kW	2.5	3.5	5.1	5.6	7.1
		Max.		kW	3.2	3.9	5.6	6.3	8.3
		Min.		kW	1.5	1.4	2.3	2.3	2.8
	SHF	Rated			0.80	0.76	0.76	0.79	0.74
	Total Input	Rated		kW	0.730	1.010	1.580	1.740	2.210
	EER				3.42	3.47	3.23	3.22	3.21
	Annual Electricity Consumption			kWh/a	162	210	300	356	458
	SEER				5.3	5.7	5.8	5.3	5.3
		Energy efficiency class			A	A+	A+	A	A
Heating	Capacity	Rated		kW	2.9	4.2	6.4	7.4	8.1
		Max.		kW	4.5	5.0	7.2	8.0	10.4
		Min.		kW	1.3	1.7	1.7	2.5	2.6
	Total Input	Rated		kW	0.803	1.130	1.800	2.200	2.268
	COP				3.61	3.72	3.56	3.36	3.57
	Annual Electricity Consumption			kWh/a	808	979	1653	1878	2202
	SCOP				3.8	4.0	3.9	4.1	3.8
		Energy efficiency class			A	A+	A	A+	A
Operating Current(max)				A	7.4	8.7	12.7	14.7	17.0
Indoor Unit	Input	Rated		kW	0.04	0.05	0.07	0.07	0.1
	Operating Current(max)			A	0.40	0.50	0.70	0.70	0.90
	Dimensions		Height	mm	200	200	200	200	200
			Width	mm	790	990	990	1190	1190
			Depth	mm	700	700	700	700	700
	Weight			kg	18	21	23	27	27
	Air Volume		Low	m³/min.	5.5	7.0	10.0	12.0	12.0
			Mid2	m³/min.	-	-	-	-	-
			Mid	m³/min.	7.0	9.0	12.5	15.0	16.0
			Hi	m³/min.	9.0	11.0	15.0	18.0	20.0
	External Static Pressure			Pa	5-15-35-50	5-15-35-50	5-15-35-50	5-15-35-50	5-15-35-50
	Sound Level (SPL) (External Static Pressure:5Pa)		Low	dB(A)	22	23	29	29	29
			Mid2	dB(A)	-	-	-	-	-
			Mid	dB(A)	25	28	33	33	34
			Hi	dB(A)	29	33	36	37	39
	Sound level (PWL)		Cooling		50	53	57	58	60
Outdoor Unit	Dimensions		Height	mm	550	550	880	880	880
			Width	mm	800	800	840	840	840
			Depth	mm	285	285	330	330	330
	Weight			kg	30	35	54	50	53
	Air Volume	Cooling	Rated	m³/min.	32.6	36.3	44.6	40.9	50.1
		Heating	Rated	m³/min.	34.7	34.8	44.6	49.2	48.2
	Sound Level (SPL)	Cooling	Rated	dB(A)	47	49	52	55	55
			Silent	dB(A)	-	-	-	-	-
		Heating	Rated	dB(A)	48	50	52	55	55
	Sound level (PWL)		Cooling		58	62	65	65	69
	Operating Current(max)			A	7.0	8.2	12.0	14.0	16.1
	Breaker Size			A	10	10	20	20	20
Ext. Piping	Diameter	Liquid		mm	6.35	6.35	6.35	6.35	9.52
		Gas		mm	9.52	9.52	12.7	15.88	15.88
	Max. Length	Out-In		m	20	20	30	30	30
	Max. Height	Out-In	Below Indoor	m	12	12	30	30	30
			Above Indoor	m	12	12	30	30	30
Guranteed Operation Range	Outdoor	Cooling	Upper Limit.	°C	+46	+46	+46	+46	+46
			Lower Limit.	°C	-10	-10	-15	-15	-15
		Heating	Upper Limit.	°C	+24	+24	+24	+24	+24
			Lower Limit.	°C	-10	-10	-10	-10	-10

B.2.2 OUTLINES AND DIMENSIONS

B.2.2.1 INDOOR UNIT

SEZ-M25DA
SEZ-M25DAL
SEZ-M35DA
SEZ-M35DAL
SEZ-M50DA
SEZ-M50DAL
SEZ-M60DA
SEZ-M60DAL
SEZ-M71DA
SEZ-M71DAL

Unit : mm



Model	A	B	C	D	E	F	G	H	J	K	L	① Gas pipe	② Liquid pipe
SEZ-M25DA(L)	700	752	798	660	7	600	800	660	5	500	16	φ9.52	φ6.35
SEZ-M35DA(L)	900	952	998	860	9	800	1000	860	7	700	20		
SEZ-M50DA(L)												φ12.7	
SEZ-M60DA(L)	1100	1152	1198	1060	11	1000	1200	1060	9	900	24	φ15.88	
SEZ-M71DA(L)													φ9.52

Note1.Use M10 screw for the suspension bolt (field supply).
2.Keep the service space for the maintenance at the bottom.
3.This chart indicates for SEZ-M50DA(L) model,which has 3 fans.
SEZ-M25,35DA(L) models have 2 fans.
SEZ-M60,71DA(L) models have 4 fans.
4.In case an inlet duct is used,remove the air filter (supply with the unit), then install the filter (field supply) at suction side.

SEZ-M25DA
SEZ-M25DAL
SEZ-M35DA
SEZ-M35DAL
SEZ-M50DA
SEZ-M50DAL
SEZ-M60DA
SEZ-M60DAL
SEZ-M71DA
SEZ-M71DAL

Secure enough access space to allow for the maintenance, inspection, and replacement of the motor, fan, drain pump, heat exchanger, and electric box in one of the following ways.
Select an installation site for the indoor unit so that its maintenance access space will not be obstructed by beams or other objects.

(1) When a space of 300 mm or more is available below the unit between the unit and the ceiling (Fig. 1)
- Create access door 1 and 2 (450 x 450 mm each) as shown in Fig. 2.
  (Access door 2 is not required if enough space is available below the unit for a maintenance worker to work in).

(2) When a space of less than 300 mm is available below the unit between the unit and the ceiling (At least 20 mm of space should be left below the unit as shown in Fig. 3.)
- Create access door 1 diagonally below the electric box and access door 3 below the unit as shown in Fig. 4.
  or
- Create access door 4 below the electric box and the unit as shown in Fig. 5.

Unit : mm

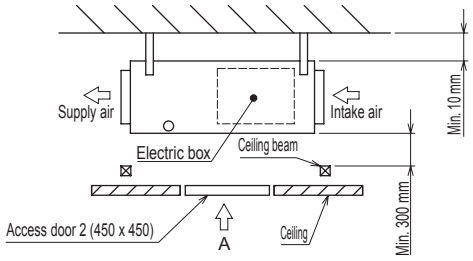


Fig. 1

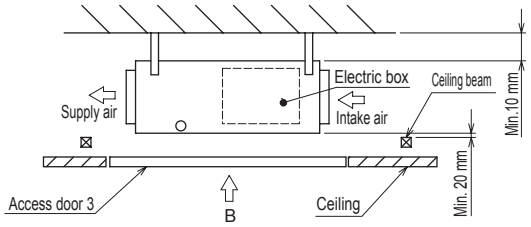


Fig. 3

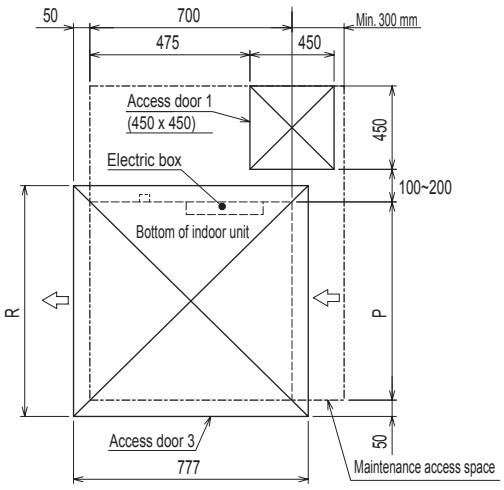


Fig. 4 (Viewed from the direction of the arrow B)

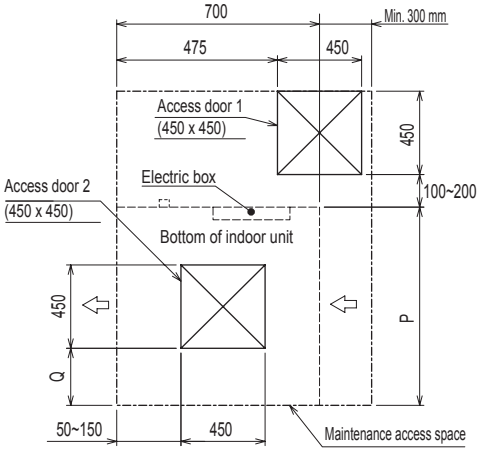


Fig. 2 (Viewed from the direction of the arrow A)

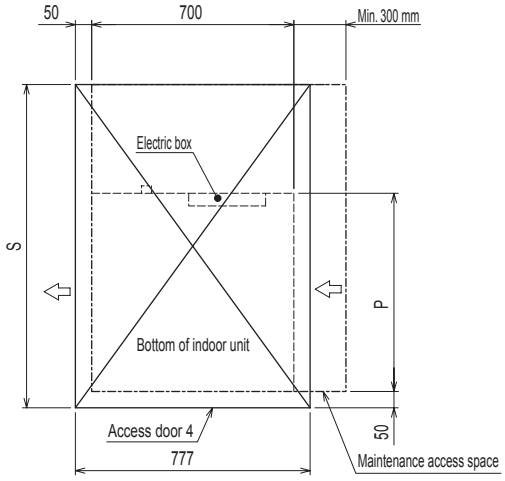


Fig. 5 (Viewed from the direction of the arrow B)

(mm)

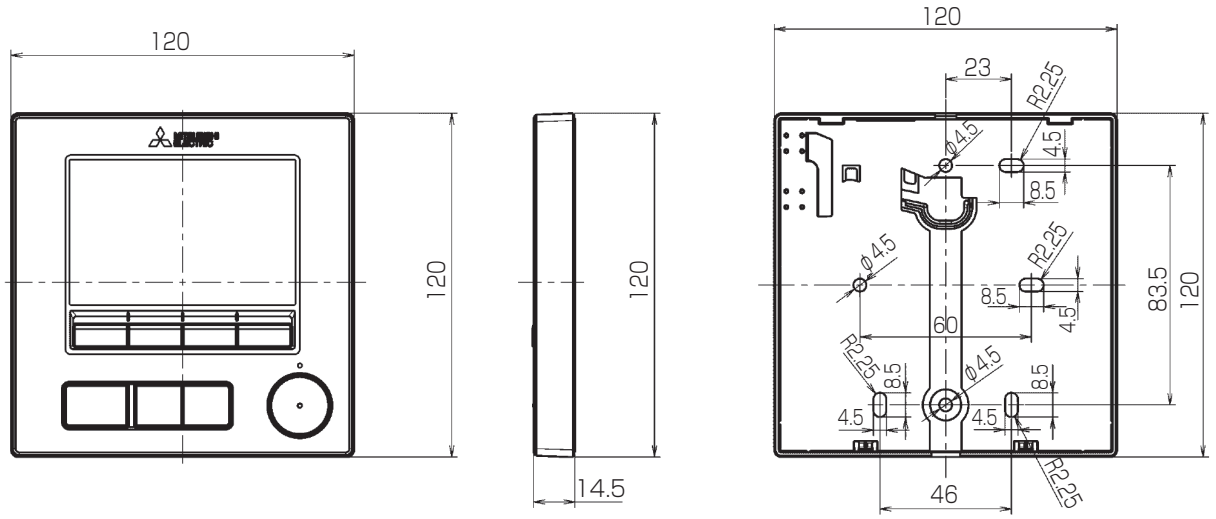
Model	P	Q	R	S
SEZ-M25	700	50~150	800	1300
SEZ-M35, 50	900	150~250	1000	1500
SEZ-M60, 71	1100	250~350	1200	1700

B.2.2.2 WIRED REMOTE CONTROLLER (Optional parts)

Unit : mm

SEZ-M25DA
SEZ-M35DA
SEZ-M50DA
SEZ-M60DA
SEZ-M71DA

[PAR-40MAA]



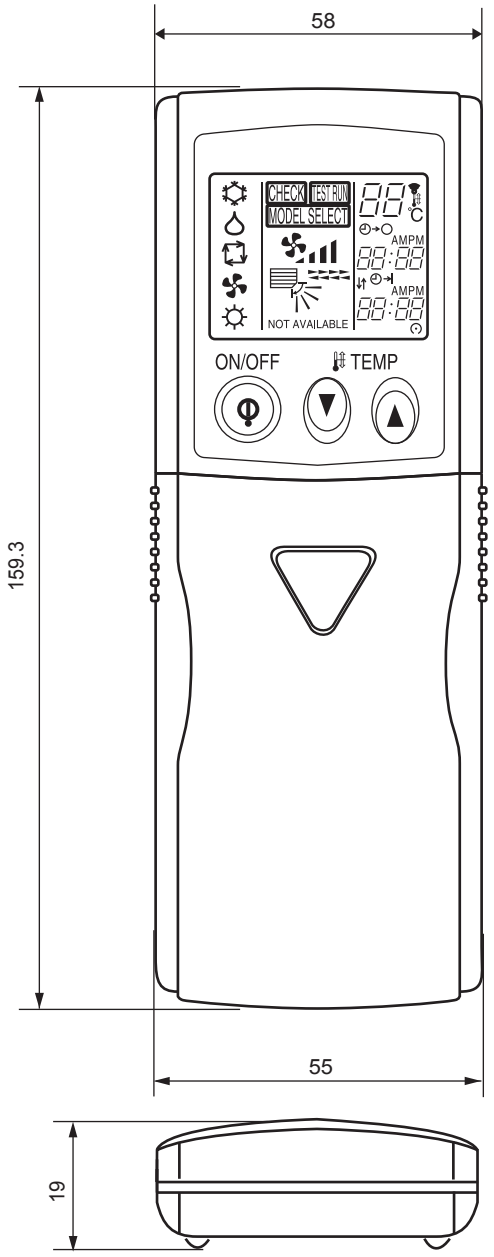
(Front view) (Side view) (Rear view)

B.2.2.3 WIRELESS REMOTE CONTROLLER

Unit : mm

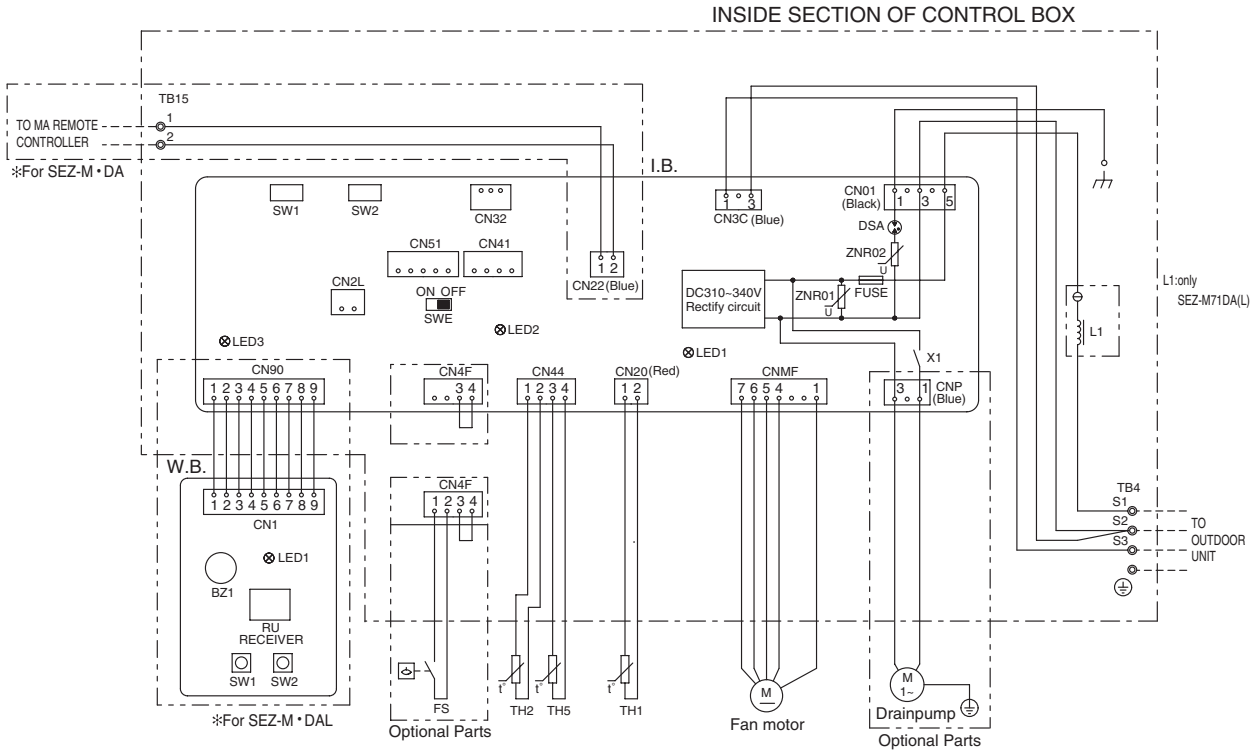
SEZ-M25DAL
SEZ-M35DAL
SEZ-M50DAL
SEZ-M60DAL
SEZ-M71DAL

[PAR-SL97A-E]



B.2.3 WIRING DIAGRAM

SEZ-M25DA
SEZ-M25DAL
SEZ-M35DA
SEZ-M35DAL
SEZ-M50DA
SEZ-M50DAL
SEZ-M60DA
SEZ-M60DAL
SEZ-M71DA
SEZ-M71DAL



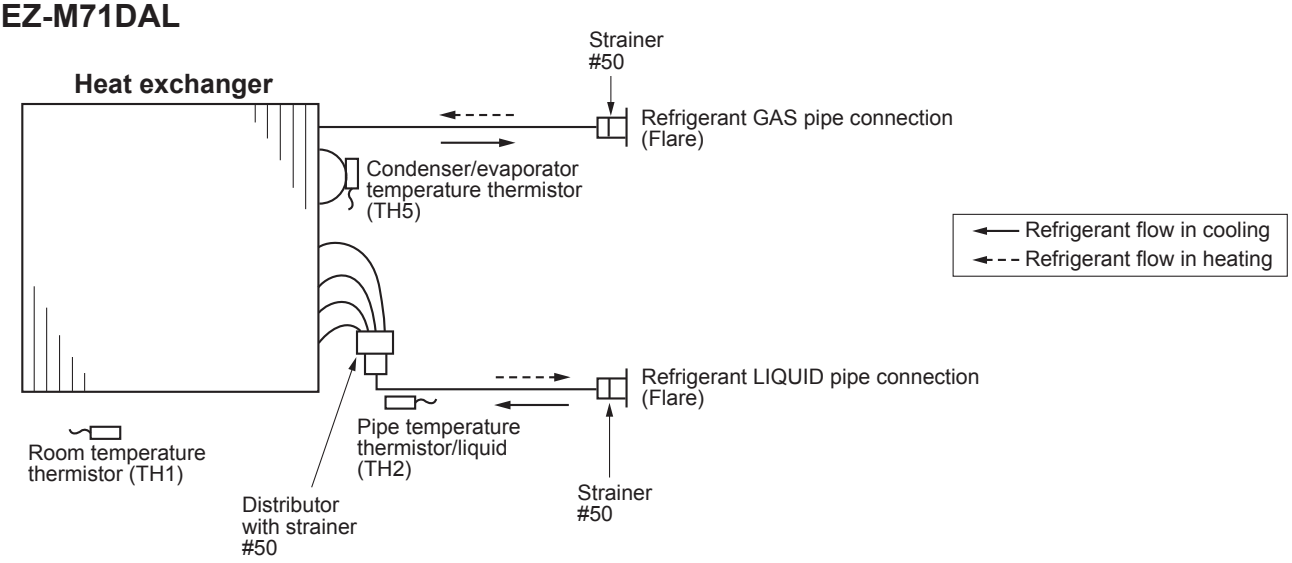
SYMBOL EXPLANATION

SYMBOL		NAME	SYMBOL		NAME
I.B.		INDOOR CONTROLLER BOARD	W.B.		WIRELESS REMOTE CONTROLLER BOARD
	FUSE	FUSE AC250V 6.3A		RU	RECEIVING UNIT
	ZNR01,02	VARISTOR		BZ1	BUZZER
	DSA	ARRESTER		LED1	LED (RUN INDICATOR)
	X1	AUX. RELAY		SW1	SWITCH (HEATING ON/OFF)
	CN2L	CONNECTOR (LOSSNAY)		SW2	SWITCH (COOLING ON/OFF)
	CN32	CONNECTOR (REMOTE SWITCH)	TH1		INTAKE AIR TEMP. THERMISTOR
	CN41	CONNECTOR (HA TERMINAL-A)	TH2		PIPE TEMP. THERMISTOR/LIQUID
	CN51	CONNECTOR (CENTRALLY CONTROL)	TH5		COND. /EVA. TEMP. THERMISTOR
	CN90	CONNECTOR (WIRELESS)	L1		AC REACTOR (POWER FACTOR IMPROVEMENT)
	LED1	POWER SUPPLY (I.B.)	FS		FLOAT SWITCH
	LED2	POWER SUPPLY (I.B.)	TB4		TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
	LED3	TRANSMISSION (INDOOR-OUTDOOR)			
	SW1	SWITCH (FOR MODEL SELECTION)	TB15		TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
	SW2	SWITCH (FOR CAPACITY CODE)			
	SWE	CONNECTOR (EMERGENCY OPERATION)			

NOTE)1. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers(S1,S2,S3).
3. Symbols used in wiring diagram above are,
⊖:Connector, ◎:Terminal Block.

B.2.4 REFRIGERANT SYSTEM DIAGRAM

SEZ-M25DA
SEZ-M25DAL
SEZ-M35DA
SEZ-M35DAL
SEZ-M50DA
SEZ-M50DAL
SEZ-M60DA
SEZ-M60DAL
SEZ-M71DA
SEZ-M71DAL



B.2.5 PERFORMANCE DATA

B.2.5.1 R32 type

COOLING operation at Rated frequency

SEZ-M25DA SEZ-M25DAL / SUZ-M25VA

CAPACITY :2.5(kW) INPUT :710 (W) SHF :0.78

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB: 21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.94	1.76	0.60	568	2.81	1.69	0.60	596	2.70	1.62	0.60	625	2.60	1.56	0.60	653
21	20	3.06	1.47	0.48	596	2.94	1.41	0.48	632	2.85	1.37	0.48	646	2.75	1.32	0.48	675
22	18	2.94	1.88	0.64	568	2.81	1.80	0.64	596	2.70	1.73	0.64	625	2.60	1.66	0.64	653
22	20	3.06	1.59	0.52	596	2.94	1.53	0.52	632	2.85	1.48	0.52	646	2.75	1.43	0.52	675
22	22	3.19	1.28	0.40	618	3.08	1.23	0.40	657	3.00	1.20	0.40	675	2.88	1.15	0.40	703
23	18	2.94	2.00	0.68	568	2.81	1.91	0.68	596	2.70	1.84	0.68	625	2.60	1.77	0.68	653
23	20	3.06	1.72	0.56	596	2.94	1.65	0.56	632	2.85	1.60	0.56	646	2.75	1.54	0.56	675
23	22	3.19	1.40	0.44	618	3.08	1.35	0.44	657	3.00	1.32	0.44	675	2.88	1.27	0.44	703
24	18	2.94	2.12	0.72	568	2.81	2.03	0.72	596	2.70	1.94	0.72	625	2.60	1.87	0.72	653
24	20	3.06	1.84	0.60	596	2.94	1.76	0.60	632	2.85	1.71	0.60	646	2.75	1.65	0.60	675
24	22	3.19	1.53	0.48	618	3.08	1.48	0.48	657	3.00	1.44	0.48	675	2.88	1.38	0.48	703
24	24	3.35	1.21	0.36	646	3.23	1.16	0.36	682	3.15	1.13	0.36	703	3.05	1.10	0.36	738
25	20	3.06	1.96	0.64	596	2.94	1.88	0.64	632	2.85	1.82	0.64	646	2.75	1.76	0.64	675
25	22	3.19	1.66	0.52	618	3.08	1.60	0.52	657	3.00	1.56	0.52	675	2.88	1.50	0.52	703
25	24	3.35	1.34	0.40	646	3.23	1.29	0.40	682	3.15	1.26	0.40	703	3.05	1.22	0.40	738
26	18	2.94	2.35	0.80	568	2.81	2.25	0.80	596	2.70	2.16	0.80	625	2.60	2.08	0.80	653
26	20	3.06	2.08	0.68	596	2.94	2.00	0.68	632	2.85	1.94	0.68	646	2.75	1.87	0.68	675
26	22	3.19	1.79	0.56	618	3.08	1.72	0.56	657	3.00	1.68	0.56	675	2.88	1.61	0.56	703
26	24	3.35	1.47	0.44	646	3.23	1.42	0.44	682	3.15	1.39	0.44	703	3.05	1.34	0.44	738
26	26	3.45	1.10	0.32	682	3.35	1.07	0.32	717	3.30	1.06	0.32	738	3.20	1.02	0.32	760
27	18	2.94	2.47	0.84	568	2.81	2.36	0.84	596	2.70	2.27	0.84	625	2.60	2.18	0.84	653
27	20	3.06	2.21	0.72	596	2.94	2.12	0.72	632	2.85	2.05	0.72	646	2.75	1.98	0.72	675
27	22	3.19	1.91	0.60	618	3.08	1.85	0.60	657	3.00	1.80	0.60	675	2.88	1.73	0.60	703
27	24	3.35	1.61	0.48	646	3.23	1.55	0.48	682	3.15	1.51	0.48	703	3.05	1.46	0.48	738
27	26	3.45	1.24	0.36	682	3.35	1.21	0.36	717	3.30	1.19	0.36	738	3.20	1.15	0.36	760
28	18	2.94	2.59	0.88	568	2.81	2.48	0.88	596	2.70	2.38	0.88	625	2.60	2.29	0.88	653
28	20	3.06	2.33	0.76	596	2.94	2.23	0.76	632	2.85	2.17	0.76	646	2.75	2.09	0.76	675
28	22	3.19	2.04	0.64	618	3.08	1.97	0.64	657	3.00	1.92	0.64	675	2.88	1.84	0.64	703
28	24	3.35	1.74	0.52	646	3.23	1.68	0.52	682	3.15	1.64	0.52	703	3.05	1.59	0.52	738
28	26	3.45	1.38	0.40	682	3.35	1.34	0.40	717	3.30	1.32	0.40	738	3.20	1.28	0.40	760
29	18	2.94	2.70	0.92	568	2.81	2.59	0.92	596	2.70	2.48	0.92	625	2.60	2.39	0.92	653
29	20	3.06	2.45	0.80	596	2.94	2.35	0.80	632	2.85	2.28	0.80	646	2.75	2.20	0.80	675
29	22	3.19	2.17	0.68	618	3.08	2.09	0.68	657	3.00	2.04	0.68	675	2.88	1.96	0.68	703
29	24	3.35	1.88	0.56	646	3.23	1.81	0.56	682	3.15	1.76	0.56	703	3.05	1.71	0.56	738
29	26	3.45	1.52	0.44	682	3.35	1.47	0.44	717	3.30	1.45	0.44	738	3.20	1.41	0.44	760
30	18	2.94	2.82	0.96	568	2.81	2.70	0.96	596	2.70	2.59	0.96	625	2.60	2.50	0.96	653
30	20	3.06	2.57	0.84	596	2.94	2.47	0.84	632	2.85	2.39	0.84	646	2.75	2.31	0.84	675
30	22	3.19	2.30	0.72	618	3.08	2.21	0.72	657	3.00	2.16	0.72	675	2.88	2.07	0.72	703
30	24	3.35	2.01	0.60	646	3.23	1.94	0.60	682	3.15	1.89	0.60	703	3.05	1.83	0.60	738
30	26	3.45	1.66	0.48	682	3.35	1.61	0.48	717	3.30	1.58	0.48	738	3.20	1.54	0.48	760
31	18	2.94	2.94	1.00	568	2.81	2.81	1.00	596	2.70	2.70	1.00	625	2.60	2.60	1.00	653
31	20	3.06	2.70	0.88	596	2.94	2.59	0.88	632	2.85	2.51	0.88	646	2.75	2.42	0.88	675
31	22	3.19	2.42	0.76	618	3.08	2.34	0.76	657	3.00	2.28	0.76	675	2.88	2.19	0.76	703
31	24	3.35	2.14	0.64	646	3.23	2.06	0.64	682	3.15	2.02	0.64	703	3.05	1.95	0.64	738
31	26	3.45	1.79	0.52	682	3.35	1.74	0.52	717	3.30	1.72	0.52	738	3.20	1.66	0.52	760
32	18	2.94	3.06	1.04	568	2.81	2.93	1.04	596	2.70	2.81	1.04	625	2.60	2.70	1.04	653
32	20	3.06	2.82	0.92	596	2.94	2.70	0.92	632	2.85	2.62	0.92	646	2.75	2.53	0.92	675
32	22	3.19	2.55	0.80	618	3.08	2.46	0.80	657	3.00	2.40	0.80	675	2.88	2.30	0.80	703
32	24	3.35	2.28	0.68	646	3.23	2.19	0.68	682	3.15	2.14	0.68	703	3.05	2.07	0.68	738
32	26	3.45	1.93	0.56	682	3.35	1.88	0.56	717	3.30	1.85	0.56	738	3.20	1.79	0.56	760

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M25DA SEZ-M25DAL / SUZ-M25VA
CAPACITY :2.5(kW) INPUT :710 (W) SHF :0.78

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB: 35 Q	35 SHC	35 SHF	35 INPUT	40 Q	40 SHC	40 SHF	40 INPUT	46 Q	46 SHC	46 SHF	46 INPUT
21	18	2.45	1.47	0.60	696	2.25	1.35	0.60	738	2.08	1.25	0.60	767
21	20	2.58	1.24	0.48	724	2.40	1.15	0.48	760	2.23	1.07	0.48	802
22	18	2.45	1.57	0.64	696	2.25	1.44	0.64	738	2.08	1.33	0.64	767
22	20	2.58	1.34	0.52	724	2.40	1.25	0.52	760	2.23	1.16	0.52	802
22	22	2.73	1.09	0.40	753	2.55	1.02	0.40	795	2.38	0.95	0.40	824
23	18	2.45	1.67	0.68	696	2.25	1.53	0.68	738	2.08	1.41	0.68	767
23	20	2.58	1.44	0.56	724	2.40	1.34	0.56	760	2.23	1.25	0.56	802
23	22	2.73	1.20	0.44	753	2.55	1.12	0.44	795	2.38	1.05	0.44	824
24	18	2.45	1.76	0.72	696	2.25	1.62	0.72	738	2.08	1.49	0.72	767
24	20	2.58	1.55	0.60	724	2.40	1.44	0.60	760	2.23	1.34	0.60	802
24	22	2.73	1.31	0.48	753	2.55	1.22	0.48	795	2.38	1.14	0.48	824
24	24	2.88	1.04	0.36	781	2.70	0.97	0.36	817	2.55	0.92	0.36	852
25	20	2.58	1.65	0.64	724	2.40	1.54	0.64	760	2.23	1.42	0.64	802
25	22	2.73	1.42	0.52	753	2.55	1.33	0.52	795	2.38	1.24	0.52	824
25	24	2.88	1.15	0.40	781	2.70	1.08	0.40	817	2.55	1.02	0.40	852
26	18	2.45	1.96	0.80	696	2.25	1.80	0.80	738	2.08	1.66	0.80	767
26	20	2.58	1.75	0.68	724	2.40	1.63	0.68	760	2.23	1.51	0.68	802
26	22	2.73	1.53	0.56	753	2.55	1.43	0.56	795	2.38	1.33	0.56	824
26	24	2.88	1.27	0.44	781	2.70	1.19	0.44	817	2.55	1.12	0.44	852
26	26	3.03	0.97	0.32	809	2.85	0.91	0.32	845	2.68	0.86	0.32	880
27	18	2.45	2.06	0.84	696	2.25	1.89	0.84	738	2.08	1.74	0.84	767
27	20	2.58	1.85	0.72	724	2.40	1.73	0.72	760	2.23	1.60	0.72	802
27	22	2.73	1.64	0.60	753	2.55	1.53	0.60	795	2.38	1.43	0.60	824
27	24	2.88	1.38	0.48	781	2.70	1.30	0.48	817	2.55	1.22	0.48	852
27	26	3.03	1.09	0.36	809	2.85	1.03	0.36	845	2.68	0.96	0.36	880
28	18	2.45	2.16	0.88	696	2.25	1.98	0.88	738	2.08	1.83	0.88	767
28	20	2.58	1.96	0.76	724	2.40	1.82	0.76	760	2.23	1.69	0.76	802
28	22	2.73	1.74	0.64	753	2.55	1.63	0.64	795	2.38	1.52	0.64	824
28	24	2.88	1.50	0.52	781	2.70	1.40	0.52	817	2.55	1.33	0.52	852
28	26	3.03	1.21	0.40	809	2.85	1.14	0.40	845	2.68	1.07	0.40	880
29	18	2.45	2.25	0.92	696	2.25	2.07	0.92	738	2.08	1.91	0.92	767
29	20	2.58	2.06	0.80	724	2.40	1.92	0.80	760	2.23	1.78	0.80	802
29	22	2.73	1.85	0.68	753	2.55	1.73	0.68	795	2.38	1.62	0.68	824
29	24	2.88	1.61	0.56	781	2.70	1.51	0.56	817	2.55	1.43	0.56	852
29	26	3.03	1.33	0.44	809	2.85	1.25	0.44	845	2.68	1.18	0.44	880
30	18	2.45	2.35	0.96	696	2.25	2.16	0.96	738	2.08	1.99	0.96	767
30	20	2.58	2.16	0.84	724	2.40	2.02	0.84	760	2.23	1.87	0.84	802
30	22	2.73	1.96	0.72	753	2.55	1.84	0.72	795	2.38	1.71	0.72	824
30	24	2.88	1.73	0.60	781	2.70	1.62	0.60	817	2.55	1.53	0.60	852
30	26	3.03	1.45	0.48	809	2.85	1.37	0.48	845	2.68	1.28	0.48	880
31	18	2.45	2.45	1.00	696	2.25	2.25	1.00	738	2.08	2.08	1.00	767
31	20	2.58	2.27	0.88	724	2.40	2.11	0.88	760	2.23	1.96	0.88	802
31	22	2.73	2.07	0.76	753	2.55	1.94	0.76	795	2.38	1.81	0.76	824
31	24	2.88	1.84	0.64	781	2.70	1.73	0.64	817	2.55	1.63	0.64	852
31	26	3.03	1.57	0.52	809	2.85	1.48	0.52	845	2.68	1.39	0.52	880
32	18	2.45	2.55	1.04	696	2.25	2.34	1.04	738	2.08	2.16	1.04	767
32	20	2.58	2.37	0.92	724	2.40	2.21	0.92	760	2.23	2.05	0.92	802
32	22	2.73	2.18	0.80	753	2.55	2.04	0.80	795	2.38	1.90	0.80	824
32	24	2.88	1.96	0.68	781	2.70	1.84	0.68	817	2.55	1.73	0.68	852
32	26	3.03	1.69	0.56	809	2.85	1.60	0.56	845	2.68	1.50	0.56	880

Note: Q : Total capacity (kW) SHC : Sensible heat capacity (kW) SHF : Sensible heat factor INPUT : Total power input (W) D.B.: Dry-bulb temperature W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M35DA SEZ-M35DAL / SUZ-M35VA
CAPACITY :3.5(kW) INPUT :1000(W) SHF :0.76

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB: 21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.11	2.39	0.58	800	3.94	2.28	0.58	840	3.78	2.19	0.58	880	3.64	2.11	0.58	920
21	20	4.29	1.97	0.46	840	4.11	1.89	0.46	890	3.99	1.84	0.46	910	3.85	1.77	0.46	950
22	18	4.11	2.55	0.62	800	3.94	2.44	0.62	840	3.78	2.34	0.62	880	3.64	2.26	0.62	920
22	20	4.29	2.14	0.50	840	4.11	2.06	0.50	890	3.99	2.00	0.50	910	3.85	1.93	0.50	950
22	22	4.46	1.70	0.38	870	4.31	1.64	0.38	925	4.20	1.60	0.38	950	4.03	1.53	0.38	990
23	18	4.11	2.71	0.66	800	3.94	2.60	0.66	840	3.78	2.49	0.66	880	3.64	2.40	0.66	920
23	20	4.29	2.32	0.54	840	4.11	2.22	0.54	890	3.99	2.15	0.54	910	3.85	2.08	0.54	950
23	22	4.46	1.87	0.42	870	4.31	1.81	0.42	925	4.20	1.76	0.42	950	4.03	1.69	0.42	990
24	18	4.11	2.88	0.70	800	3.94	2.76	0.70	840	3.78	2.65	0.70	880	3.64	2.55	0.70	920
24	20	4.29	2.49	0.58	840	4.11	2.39	0.58	890	3.99	2.31	0.58	910	3.85	2.23	0.58	950
24	22	4.46	2.05	0.46	870	4.31	1.98	0.46	925	4.20	1.93	0.46	950	4.03	1.85	0.46	990
24	24	4.69	1.59	0.34	910	4.52	1.54	0.34	960	4.41	1.50	0.34	990	4.27	1.45	0.34	1,040
25	20	4.29	2.66	0.62	840	4.11	2.55	0.62	890	3.99	2.47	0.62	910	3.85	2.39	0.62	950
25	22	4.46	2.23	0.50	870	4.31	2.15	0.50	925	4.20	2.10	0.50	950	4.03	2.01	0.50	990
25	24	4.69	1.78	0.38	910	4.52	1.72	0.38	960	4.41	1.68	0.38	990	4.27	1.62	0.38	1,040
26	18	4.11	3.21	0.78	800	3.94	3.07	0.78	840	3.78	2.95	0.78	880	3.64	2.84	0.78	920
26	20	4.29	2.83	0.66	840	4.11	2.71	0.66	890	3.99	2.63	0.66	910	3.85	2.54	0.66	950
26	22	4.46	2.41	0.54	870	4.31	2.32	0.54	925	4.20	2.27	0.54	950	4.03	2.17	0.54	990
26	24	4.69	1.97	0.42	910	4.52	1.90	0.42	960	4.41	1.85	0.42	990	4.27	1.79	0.42	1,040
26	26	4.83	1.45	0.30	960	4.69	1.41	0.30	1,010	4.62	1.39	0.30	1,040	4.48	1.34	0.30	1,070
27	18	4.11	3.37	0.82	800	3.94	3.23	0.82	840	3.78	3.10	0.82	880	3.64	2.98	0.82	920
27	20	4.29	3.00	0.70	840	4.11	2.88	0.70	890	3.99	2.79	0.70	910	3.85	2.70	0.70	950
27	22	4.46	2.59	0.58	870	4.31	2.50	0.58	925	4.20	2.44	0.58	950	4.03	2.33	0.58	990
27	24	4.69	2.16	0.46	910	4.52	2.08	0.46	960	4.41	2.03	0.46	990	4.27	1.96	0.46	1,040
27	26	4.83	1.64	0.34	960	4.69	1.59	0.34	1,010	4.62	1.57	0.34	1,040	4.48	1.52	0.34	1,070
28	18	4.11	3.54	0.86	800	3.94	3.39	0.86	840	3.78	3.25	0.86	880	3.64	3.13	0.86	920
28	20	4.29	3.17	0.74	840	4.11	3.04	0.74	890	3.99	2.95	0.74	910	3.85	2.85	0.74	950
28	22	4.46	2.77	0.62	870	4.31	2.67	0.62	925	4.20	2.60	0.62	950	4.03	2.50	0.62	990
28	24	4.69	2.35	0.50	910	4.52	2.26	0.50	960	4.41	2.21	0.50	990	4.27	2.14	0.50	1,040
28	26	4.83	1.84	0.38	960	4.69	1.78	0.38	1,010	4.62	1.76	0.38	1,040	4.48	1.70	0.38	1,070
29	18	4.11	3.70	0.90	800	3.94	3.54	0.90	840	3.78	3.40	0.90	880	3.64	3.28	0.90	920
29	20	4.29	3.34	0.78	840	4.11	3.21	0.78	890	3.99	3.11	0.78	910	3.85	3.00	0.78	950
29	22	4.46	2.95	0.66	870	4.31	2.84	0.66	925	4.20	2.77	0.66	950	4.03	2.66	0.66	990
29	24	4.69	2.53	0.54	910	4.52	2.44	0.54	960	4.41	2.38	0.54	990	4.27	2.31	0.54	1,040
29	26	4.83	2.03	0.42	960	4.69	1.97	0.42	1,010	4.62	1.94	0.42	1,040	4.48	1.88	0.42	1,070
30	18	4.11	3.87	0.94	800	3.94	3.70	0.94	840	3.78	3.55	0.94	880	3.64	3.42	0.94	920
30	20	4.29	3.52	0.82	840	4.11	3.37	0.82	890	3.99	3.27	0.82	910	3.85	3.16	0.82	950
30	22	4.46	3.12	0.70	870	4.31	3.01	0.70	925	4.20	2.94	0.70	950	4.03	2.82	0.70	990
30	24	4.69	2.72	0.58	910	4.52	2.62	0.58	960	4.41	2.56	0.58	990	4.27	2.48	0.58	1,040
30	26	4.83	2.22	0.46	960	4.69	2.16	0.46	1,010	4.62	2.13	0.46	1,040	4.48	2.06	0.46	1,070
31	18	4.11	4.03	0.98	800	3.94	3.86	0.98	840	3.78	3.70	0.98	880	3.64	3.57	0.98	920
31	20	4.29	3.69	0.86	840	4.11	3.54	0.86	890	3.99	3.43	0.86	910	3.85	3.31	0.86	950
31	22	4.46	3.30	0.74	870	4.31	3.19	0.74	925	4.20	3.11	0.74	950	4.03	2.98	0.74	990
31	24	4.69	2.91	0.62	910	4.52	2.80	0.62	960	4.41	2.73	0.62	990	4.27	2.65	0.62	1,040
31	26	4.83	2.42	0.50	960	4.69	2.35	0.50	1,010	4.62	2.31	0.50	1,040	4.48	2.24	0.50	1,070
32	18	4.11	4.19	1.02	800	3.94	4.02	1.02	840	3.78	3.86	1.02	880	3.64	3.71	1.02	920
32	20	4.29	3.86	0.90	840	4.11	3.70	0.90	890	3.99	3.59	0.90	910	3.85	3.47	0.90	950
32	22	4.46	3.48	0.78	870	4.31	3.36	0.78	925	4.20	3.28	0.78	950	4.03	3.14	0.78	990
32	24	4.69	3.10	0.66	910	4.52	2.98	0.66	960	4.41	2.91	0.66	990	4.27	2.82	0.66	1,040
32	26	4.83	2.61	0.54	960	4.69	2.53	0.54	1,010	4.62	2.49	0.54	1,040	4.48	2.42	0.54	1,070

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M35DA SEZ-M35DAL / SUZ-M35VA

CAPACITY :3.5(kW) INPUT :1000(W) SHF :0.76

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB: 35 Q	SHC	SHF	INPUT	40 Q	SHC	SHF	INPUT	46 Q	SHC	SHF	INPUT
21	18	3.43	1.99	0.58	980	3.15	1.83	0.58	1,040	2.91	1.68	0.58	1,080
21	20	3.61	1.66	0.46	1,020	3.36	1.55	0.46	1,070	3.12	1.43	0.46	1,130
22	18	3.43	2.13	0.62	980	3.15	1.95	0.62	1,040	2.91	1.80	0.62	1,080
22	20	3.61	1.80	0.50	1,020	3.36	1.68	0.50	1,070	3.12	1.56	0.50	1,130
22	22	3.82	1.45	0.38	1,060	3.57	1.36	0.38	1,120	3.33	1.26	0.38	1,160
23	18	3.43	2.26	0.66	980	3.15	2.08	0.66	1,040	2.91	1.92	0.66	1,080
23	20	3.61	1.95	0.54	1,020	3.36	1.81	0.54	1,070	3.12	1.68	0.54	1,130
23	22	3.82	1.60	0.42	1,060	3.57	1.50	0.42	1,120	3.33	1.40	0.42	1,160
24	18	3.43	2.40	0.70	980	3.15	2.21	0.70	1,040	2.91	2.03	0.70	1,080
24	20	3.61	2.09	0.58	1,020	3.36	1.95	0.58	1,070	3.12	1.81	0.58	1,130
24	22	3.82	1.75	0.46	1,060	3.57	1.64	0.46	1,120	3.33	1.53	0.46	1,160
24	24	4.03	1.37	0.34	1,100	3.78	1.29	0.34	1,150	3.57	1.21	0.34	1,200
25	20	3.61	2.24	0.62	1,020	3.36	2.08	0.62	1,070	3.12	1.93	0.62	1,130
25	22	3.82	1.91	0.50	1,060	3.57	1.79	0.50	1,120	3.33	1.66	0.50	1,160
25	24	4.03	1.53	0.38	1,100	3.78	1.44	0.38	1,150	3.57	1.36	0.38	1,200
26	18	3.43	2.68	0.78	980	3.15	2.46	0.78	1,040	2.91	2.27	0.78	1,080
26	20	3.61	2.38	0.66	1,020	3.36	2.22	0.66	1,070	3.12	2.06	0.66	1,130
26	22	3.82	2.06	0.54	1,060	3.57	1.93	0.54	1,120	3.33	1.80	0.54	1,160
26	24	4.03	1.69	0.42	1,100	3.78	1.59	0.42	1,150	3.57	1.50	0.42	1,200
26	26	4.24	1.27	0.30	1,140	3.99	1.20	0.30	1,190	3.75	1.12	0.30	1,240
27	18	3.43	2.81	0.82	980	3.15	2.58	0.82	1,040	2.91	2.38	0.82	1,080
27	20	3.61	2.52	0.70	1,020	3.36	2.35	0.70	1,070	3.12	2.18	0.70	1,130
27	22	3.82	2.21	0.58	1,060	3.57	2.07	0.58	1,120	3.33	1.93	0.58	1,160
27	24	4.03	1.85	0.46	1,100	3.78	1.74	0.46	1,150	3.57	1.64	0.46	1,200
27	26	4.24	1.44	0.34	1,140	3.99	1.36	0.34	1,190	3.75	1.27	0.34	1,240
28	18	3.43	2.95	0.86	980	3.15	2.71	0.86	1,040	2.91	2.50	0.86	1,080
28	20	3.61	2.67	0.74	1,020	3.36	2.49	0.74	1,070	3.12	2.31	0.74	1,130
28	22	3.82	2.37	0.62	1,060	3.57	2.21	0.62	1,120	3.33	2.06	0.62	1,160
28	24	4.03	2.01	0.50	1,100	3.78	1.89	0.50	1,150	3.57	1.79	0.50	1,200
28	26	4.24	1.61	0.38	1,140	3.99	1.52	0.38	1,190	3.75	1.42	0.38	1,240
29	18	3.43	3.09	0.90	980	3.15	2.84	0.90	1,040	2.91	2.61	0.90	1,080
29	20	3.61	2.81	0.78	1,020	3.36	2.62	0.78	1,070	3.12	2.43	0.78	1,130
29	22	3.82	2.52	0.66	1,060	3.57	2.36	0.66	1,120	3.33	2.19	0.66	1,160
29	24	4.03	2.17	0.54	1,100	3.78	2.04	0.54	1,150	3.57	1.93	0.54	1,200
29	26	4.24	1.78	0.42	1,140	3.99	1.68	0.42	1,190	3.75	1.57	0.42	1,240
30	18	3.43	3.22	0.94	980	3.15	2.96	0.94	1,040	2.91	2.73	0.94	1,080
30	20	3.61	2.96	0.82	1,020	3.36	2.76	0.82	1,070	3.12	2.55	0.82	1,130
30	22	3.82	2.67	0.70	1,060	3.57	2.50	0.70	1,120	3.33	2.33	0.70	1,160
30	24	4.03	2.33	0.58	1,100	3.78	2.19	0.58	1,150	3.57	2.07	0.58	1,200
30	26	4.24	1.95	0.46	1,140	3.99	1.84	0.46	1,190	3.75	1.72	0.46	1,240
31	18	3.43	3.36	0.98	980	3.15	3.09	0.98	1,040	2.91	2.85	0.98	1,080
31	20	3.61	3.10	0.86	1,020	3.36	2.89	0.86	1,070	3.12	2.68	0.86	1,130
31	22	3.82	2.82	0.74	1,060	3.57	2.64	0.74	1,120	3.33	2.46	0.74	1,160
31	24	4.03	2.50	0.62	1,100	3.78	2.34	0.62	1,150	3.57	2.21	0.62	1,200
31	26	4.24	2.12	0.50	1,140	3.99	2.00	0.50	1,190	3.75	1.87	0.50	1,240
32	18	3.43	3.50	1.02	980	3.15	3.21	1.02	1,040	2.91	2.96	1.02	1,080
32	20	3.61	3.24	0.90	1,020	3.36	3.02	0.90	1,070	3.12	2.80	0.90	1,130
32	22	3.82	2.98	0.78	1,060	3.57	2.78	0.78	1,120	3.33	2.59	0.78	1,160
32	24	4.03	2.66	0.66	1,100	3.78	2.49	0.66	1,150	3.57	2.36	0.66	1,200
32	26	4.24	2.29	0.54	1,140	3.99	2.15	0.54	1,190	3.75	2.02	0.54	1,240

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M50DA SEZ-M50DAL / SUZ-M50VA
CAPACITY :5.0(kW) INPUT :1540(W) SHF :0.76

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB: 21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.88	3.41	0.58	1,232	5.63	3.26	0.58	1,294	5.40	3.13	0.58	1,355	5.20	3.02	0.58	1,417
21	20	6.13	2.82	0.46	1,294	5.88	2.70	0.46	1,371	5.70	2.62	0.46	1,401	5.50	2.53	0.46	1,463
22	18	5.88	3.64	0.62	1,232	5.63	3.49	0.62	1,294	5.40	3.35	0.62	1,355	5.20	3.22	0.62	1,417
22	20	6.13	3.06	0.50	1,294	5.88	2.94	0.50	1,371	5.70	2.85	0.50	1,401	5.50	2.75	0.50	1,463
22	22	6.38	2.42	0.38	1,340	6.15	2.34	0.38	1,425	6.00	2.28	0.38	1,463	5.75	2.19	0.38	1,525
23	18	5.88	3.88	0.66	1,232	5.63	3.71	0.66	1,294	5.40	3.56	0.66	1,355	5.20	3.43	0.66	1,417
23	20	6.13	3.31	0.54	1,294	5.88	3.17	0.54	1,371	5.70	3.08	0.54	1,401	5.50	2.97	0.54	1,463
23	22	6.38	2.68	0.42	1,340	6.15	2.58	0.42	1,425	6.00	2.52	0.42	1,463	5.75	2.42	0.42	1,525
24	18	5.88	4.11	0.70	1,232	5.63	3.94	0.70	1,294	5.40	3.78	0.70	1,355	5.20	3.64	0.70	1,417
24	20	6.13	3.55	0.58	1,294	5.88	3.41	0.58	1,371	5.70	3.31	0.58	1,401	5.50	3.19	0.58	1,463
24	22	6.38	2.93	0.46	1,340	6.15	2.83	0.46	1,425	6.00	2.76	0.46	1,463	5.75	2.65	0.46	1,525
24	24	6.70	2.28	0.34	1,401	6.45	2.19	0.34	1,478	6.30	2.14	0.34	1,525	6.10	2.07	0.34	1,602
25	20	6.13	3.80	0.62	1,294	5.88	3.64	0.62	1,371	5.70	3.53	0.62	1,401	5.50	3.41	0.62	1,463
25	22	6.38	3.19	0.50	1,340	6.15	3.08	0.50	1,425	6.00	3.00	0.50	1,463	5.75	2.88	0.50	1,525
25	24	6.70	2.55	0.38	1,401	6.45	2.45	0.38	1,478	6.30	2.39	0.38	1,525	6.10	2.32	0.38	1,602
26	18	5.88	4.58	0.78	1,232	5.63	4.39	0.78	1,294	5.40	4.21	0.78	1,355	5.20	4.06	0.78	1,417
26	20	6.13	4.04	0.66	1,294	5.88	3.88	0.66	1,371	5.70	3.76	0.66	1,401	5.50	3.63	0.66	1,463
26	22	6.38	3.44	0.54	1,340	6.15	3.32	0.54	1,425	6.00	3.24	0.54	1,463	5.75	3.11	0.54	1,525
26	24	6.70	2.81	0.42	1,401	6.45	2.71	0.42	1,478	6.30	2.65	0.42	1,525	6.10	2.56	0.42	1,602
26	26	6.90	2.07	0.30	1,478	6.70	2.01	0.30	1,555	6.60	1.98	0.30	1,602	6.40	1.92	0.30	1,648
27	18	5.88	4.82	0.82	1,232	5.63	4.61	0.82	1,294	5.40	4.43	0.82	1,355	5.20	4.26	0.82	1,417
27	20	6.13	4.29	0.70	1,294	5.88	4.11	0.70	1,371	5.70	3.99	0.70	1,401	5.50	3.85	0.70	1,463
27	22	6.38	3.70	0.58	1,340	6.15	3.57	0.58	1,425	6.00	3.48	0.58	1,463	5.75	3.34	0.58	1,525
27	24	6.70	3.08	0.46	1,401	6.45	2.97	0.46	1,478	6.30	2.90	0.46	1,525	6.10	2.81	0.46	1,602
27	26	6.90	2.35	0.34	1,478	6.70	2.28	0.34	1,555	6.60	2.24	0.34	1,602	6.40	2.18	0.34	1,648
28	18	5.88	5.05	0.86	1,232	5.63	4.84	0.86	1,294	5.40	4.64	0.86	1,355	5.20	4.47	0.86	1,417
28	20	6.13	4.53	0.74	1,294	5.88	4.35	0.74	1,371	5.70	4.22	0.74	1,401	5.50	4.07	0.74	1,463
28	22	6.38	3.95	0.62	1,340	6.15	3.81	0.62	1,425	6.00	3.72	0.62	1,463	5.75	3.57	0.62	1,525
28	24	6.70	3.35	0.50	1,401	6.45	3.23	0.50	1,478	6.30	3.15	0.50	1,525	6.10	3.05	0.50	1,602
28	26	6.90	2.62	0.38	1,478	6.70	2.55	0.38	1,555	6.60	2.51	0.38	1,602	6.40	2.43	0.38	1,648
29	18	5.88	5.29	0.90	1,232	5.63	5.06	0.90	1,294	5.40	4.86	0.90	1,355	5.20	4.68	0.90	1,417
29	20	6.13	4.78	0.78	1,294	5.88	4.58	0.78	1,371	5.70	4.45	0.78	1,401	5.50	4.29	0.78	1,463
29	22	6.38	4.21	0.66	1,340	6.15	4.06	0.66	1,425	6.00	3.96	0.66	1,463	5.75	3.80	0.66	1,525
29	24	6.70	3.62	0.54	1,401	6.45	3.48	0.54	1,478	6.30	3.40	0.54	1,525	6.10	3.29	0.54	1,602
29	26	6.90	2.90	0.42	1,478	6.70	2.81	0.42	1,555	6.60	2.77	0.42	1,602	6.40	2.69	0.42	1,648
30	18	5.88	5.52	0.94	1,232	5.63	5.29	0.94	1,294	5.40	5.08	0.94	1,355	5.20	4.89	0.94	1,417
30	20	6.13	5.02	0.82	1,294	5.88	4.82	0.82	1,371	5.70	4.67	0.82	1,401	5.50	4.51	0.82	1,463
30	22	6.38	4.46	0.70	1,340	6.15	4.31	0.70	1,425	6.00	4.20	0.70	1,463	5.75	4.03	0.70	1,525
30	24	6.70	3.89	0.58	1,401	6.45	3.74	0.58	1,478	6.30	3.65	0.58	1,525	6.10	3.54	0.58	1,602
30	26	6.90	3.17	0.46	1,478	6.70	3.08	0.46	1,555	6.60	3.04	0.46	1,602	6.40	2.94	0.46	1,648
31	18	5.88	5.76	0.98	1,232	5.63	5.51	0.98	1,294	5.40	5.29	0.98	1,355	5.20	5.10	0.98	1,417
31	20	6.13	5.27	0.86	1,294	5.88	5.05	0.86	1,371	5.70	4.90	0.86	1,401	5.50	4.73	0.86	1,463
31	22	6.38	4.72	0.74	1,340	6.15	4.55	0.74	1,425	6.00	4.44	0.74	1,463	5.75	4.26	0.74	1,525
31	24	6.70	4.15	0.62	1,401	6.45	4.00	0.62	1,478	6.30	3.91	0.62	1,525	6.10	3.78	0.62	1,602
31	26	6.90	3.45	0.50	1,478	6.70	3.35	0.50	1,555	6.60	3.30	0.50	1,602	6.40	3.20	0.50	1,648
32	18	5.88	5.99	1.02	1,232	5.63	5.74	1.02	1,294	5.40	5.51	1.02	1,355	5.20	5.30	1.02	1,417
32	20	6.13	5.51	0.90	1,294	5.88	5.29	0.90	1,371	5.70	5.13	0.90	1,401	5.50	4.95	0.90	1,463
32	22	6.38	4.97	0.78	1,340	6.15	4.80	0.78	1,425	6.00	4.68	0.78	1,463	5.75	4.49	0.78	1,525
32	24	6.70	4.42	0.66	1,401	6.45	4.26	0.66	1,478	6.30	4.16	0.66	1,525	6.10	4.03	0.66	1,602
32	26	6.90	3.73	0.54	1,478	6.70	3.62	0.54	1,555	6.60	3.56	0.54	1,602	6.40	3.46	0.54	1,648

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M50DA SEZ-M50DAL / SUZ-M50VA

CAPACITY :5.0(kW) INPUT :1540(W) SHF :0.76

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB: 35 Q	SHC	SHF	INPUT	40 Q	SHC	SHF	INPUT	46 Q	SHC	SHF	INPUT
21	18	4.90	2.84	0.58	1,509	4.50	2.61	0.58	1,602	4.15	2.41	0.58	1,663
21	20	5.15	2.37	0.46	1,571	4.80	2.21	0.46	1,648	4.45	2.05	0.46	1,740
22	18	4.90	3.04	0.62	1,509	4.50	2.79	0.62	1,602	4.15	2.57	0.62	1,663
22	20	5.15	2.58	0.50	1,571	4.80	2.40	0.50	1,648	4.45	2.23	0.50	1,740
22	22	5.45	2.07	0.38	1,632	5.10	1.94	0.38	1,725	4.75	1.81	0.38	1,786
23	18	4.90	3.23	0.66	1,509	4.50	2.97	0.66	1,602	4.15	2.74	0.66	1,663
23	20	5.15	2.78	0.54	1,571	4.80	2.59	0.54	1,648	4.45	2.40	0.54	1,740
23	22	5.45	2.29	0.42	1,632	5.10	2.14	0.42	1,725	4.75	2.00	0.42	1,786
24	18	4.90	3.43	0.70	1,509	4.50	3.15	0.70	1,602	4.15	2.91	0.70	1,663
24	20	5.15	2.99	0.58	1,571	4.80	2.78	0.58	1,648	4.45	2.58	0.58	1,740
24	22	5.45	2.51	0.46	1,632	5.10	2.35	0.46	1,725	4.75	2.19	0.46	1,786
24	24	5.75	1.96	0.34	1,694	5.40	1.84	0.34	1,771	5.10	1.73	0.34	1,848
25	20	5.15	3.19	0.62	1,571	4.80	2.98	0.62	1,648	4.45	2.76	0.62	1,740
25	22	5.45	2.73	0.50	1,632	5.10	2.55	0.50	1,725	4.75	2.38	0.50	1,786
25	24	5.75	2.19	0.38	1,694	5.40	2.05	0.38	1,771	5.10	1.94	0.38	1,848
26	18	4.90	3.82	0.78	1,509	4.50	3.51	0.78	1,602	4.15	3.24	0.78	1,663
26	20	5.15	3.40	0.66	1,571	4.80	3.17	0.66	1,648	4.45	2.94	0.66	1,740
26	22	5.45	2.94	0.54	1,632	5.10	2.75	0.54	1,725	4.75	2.57	0.54	1,786
26	24	5.75	2.42	0.42	1,694	5.40	2.27	0.42	1,771	5.10	2.14	0.42	1,848
26	26	6.05	1.82	0.30	1,756	5.70	1.71	0.30	1,833	5.35	1.61	0.30	1,910
27	18	4.90	4.02	0.82	1,509	4.50	3.69	0.82	1,602	4.15	3.40	0.82	1,663
27	20	5.15	3.61	0.70	1,571	4.80	3.36	0.70	1,648	4.45	3.12	0.70	1,740
27	22	5.45	3.16	0.58	1,632	5.10	2.96	0.58	1,725	4.75	2.76	0.58	1,786
27	24	5.75	2.65	0.46	1,694	5.40	2.48	0.46	1,771	5.10	2.35	0.46	1,848
27	26	6.05	2.06	0.34	1,756	5.70	1.94	0.34	1,833	5.35	1.82	0.34	1,910
28	18	4.90	4.21	0.86	1,509	4.50	3.87	0.86	1,602	4.15	3.57	0.86	1,663
28	20	5.15	3.81	0.74	1,571	4.80	3.55	0.74	1,648	4.45	3.29	0.74	1,740
28	22	5.45	3.38	0.62	1,632	5.10	3.16	0.62	1,725	4.75	2.95	0.62	1,786
28	24	5.75	2.88	0.50	1,694	5.40	2.70	0.50	1,771	5.10	2.55	0.50	1,848
28	26	6.05	2.30	0.38	1,756	5.70	2.17	0.38	1,833	5.35	2.03	0.38	1,910
29	18	4.90	4.41	0.90	1,509	4.50	4.05	0.90	1,602	4.15	3.74	0.90	1,663
29	20	5.15	4.02	0.78	1,571	4.80	3.74	0.78	1,648	4.45	3.47	0.78	1,740
29	22	5.45	3.60	0.66	1,632	5.10	3.37	0.66	1,725	4.75	3.14	0.66	1,786
29	24	5.75	3.11	0.54	1,694	5.40	2.92	0.54	1,771	5.10	2.75	0.54	1,848
29	26	6.05	2.54	0.42	1,756	5.70	2.39	0.42	1,833	5.35	2.25	0.42	1,910
30	18	4.90	4.61	0.94	1,509	4.50	4.23	0.94	1,602	4.15	3.90	0.94	1,663
30	20	5.15	4.22	0.82	1,571	4.80	3.94	0.82	1,648	4.45	3.65	0.82	1,740
30	22	5.45	3.82	0.70	1,632	5.10	3.57	0.70	1,725	4.75	3.33	0.70	1,786
30	24	5.75	3.34	0.58	1,694	5.40	3.13	0.58	1,771	5.10	2.96	0.58	1,848
30	26	6.05	2.78	0.46	1,756	5.70	2.62	0.46	1,833	5.35	2.46	0.46	1,910
31	18	4.90	4.80	0.98	1,509	4.50	4.41	0.98	1,602	4.15	4.07	0.98	1,663
31	20	5.15	4.43	0.86	1,571	4.80	4.13	0.86	1,648	4.45	3.83	0.86	1,740
31	22	5.45	4.03	0.74	1,632	5.10	3.77	0.74	1,725	4.75	3.52	0.74	1,786
31	24	5.75	3.57	0.62	1,694	5.40	3.35	0.62	1,771	5.10	3.16	0.62	1,848
31	26	6.05	3.03	0.50	1,756	5.70	2.85	0.50	1,833	5.35	2.68	0.50	1,910
32	18	4.90	5.00	1.02	1,509	4.50	4.59	1.02	1,602	4.15	4.23	1.02	1,663
32	20	5.15	4.64	0.90	1,571	4.80	4.32	0.90	1,648	4.45	4.01	0.90	1,740
32	22	5.45	4.25	0.78	1,632	5.10	3.98	0.78	1,725	4.75	3.71	0.78	1,786
32	24	5.75	3.80	0.66	1,694	5.40	3.56	0.66	1,771	5.10	3.37	0.66	1,848
32	26	6.05	3.27	0.54	1,756	5.70	3.08	0.54	1,833	5.35	2.89	0.54	1,910

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M60DA SEZ-M60DAL / SUZ-M60VA
CAPACITY :6.1(kW) INPUT :1840(W) SHF :0.79

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB: 21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	7.17	4.37	0.61	1,472	6.86	4.19	0.61	1,546	6.59	4.02	0.61	1,619	6.34	3.87	0.61	1,693
21	20	7.47	3.66	0.49	1,546	7.17	3.51	0.49	1,638	6.95	3.41	0.49	1,674	6.71	3.29	0.49	1,748
22	18	7.17	4.66	0.65	1,472	6.86	4.46	0.65	1,546	6.59	4.28	0.65	1,619	6.34	4.12	0.65	1,693
22	20	7.47	3.96	0.53	1,546	7.17	3.80	0.53	1,638	6.95	3.69	0.53	1,674	6.71	3.56	0.53	1,748
22	22	7.78	3.19	0.41	1,601	7.50	3.08	0.41	1,702	7.32	3.00	0.41	1,748	7.02	2.88	0.41	1,822
23	18	7.17	4.95	0.69	1,472	6.86	4.74	0.69	1,546	6.59	4.55	0.69	1,619	6.34	4.38	0.69	1,693
23	20	7.47	4.26	0.57	1,546	7.17	4.09	0.57	1,638	6.95	3.96	0.57	1,674	6.71	3.82	0.57	1,748
23	22	7.78	3.50	0.45	1,601	7.50	3.38	0.45	1,702	7.32	3.29	0.45	1,748	7.02	3.16	0.45	1,822
24	18	7.17	5.23	0.73	1,472	6.86	5.01	0.73	1,546	6.59	4.81	0.73	1,619	6.34	4.63	0.73	1,693
24	20	7.47	4.56	0.61	1,546	7.17	4.37	0.61	1,638	6.95	4.24	0.61	1,674	6.71	4.09	0.61	1,748
24	22	7.78	3.81	0.49	1,601	7.50	3.68	0.49	1,702	7.32	3.59	0.49	1,748	7.02	3.44	0.49	1,822
24	24	8.17	3.02	0.37	1,674	7.87	2.91	0.37	1,766	7.69	2.84	0.37	1,822	7.44	2.75	0.37	1,914
25	20	7.47	4.86	0.65	1,546	7.17	4.66	0.65	1,638	6.95	4.52	0.65	1,674	6.71	4.36	0.65	1,748
25	22	7.78	4.12	0.53	1,601	7.50	3.98	0.53	1,702	7.32	3.88	0.53	1,748	7.02	3.72	0.53	1,822
25	24	8.17	3.35	0.41	1,674	7.87	3.23	0.41	1,766	7.69	3.15	0.41	1,822	7.44	3.05	0.41	1,914
26	18	7.17	5.81	0.81	1,472	6.86	5.56	0.81	1,546	6.59	5.34	0.81	1,619	6.34	5.14	0.81	1,693
26	20	7.47	5.16	0.69	1,546	7.17	4.95	0.69	1,638	6.95	4.80	0.69	1,674	6.71	4.63	0.69	1,748
26	22	7.78	4.43	0.57	1,601	7.50	4.28	0.57	1,702	7.32	4.17	0.57	1,748	7.02	4.00	0.57	1,822
26	24	8.17	3.68	0.45	1,674	7.87	3.54	0.45	1,766	7.69	3.46	0.45	1,822	7.44	3.35	0.45	1,914
26	26	8.42	2.78	0.33	1,766	8.17	2.70	0.33	1,858	8.05	2.66	0.33	1,914	7.81	2.58	0.33	1,969
27	18	7.17	6.09	0.85	1,472	6.86	5.83	0.85	1,546	6.59	5.60	0.85	1,619	6.34	5.39	0.85	1,693
27	20	7.47	5.45	0.73	1,546	7.17	5.23	0.73	1,638	6.95	5.08	0.73	1,674	6.71	4.90	0.73	1,748
27	22	7.78	4.74	0.61	1,601	7.50	4.58	0.61	1,702	7.32	4.47	0.61	1,748	7.02	4.28	0.61	1,822
27	24	8.17	4.01	0.49	1,674	7.87	3.86	0.49	1,766	7.69	3.77	0.49	1,822	7.44	3.65	0.49	1,914
27	26	8.42	3.11	0.37	1,766	8.17	3.02	0.37	1,858	8.05	2.98	0.37	1,914	7.81	2.89	0.37	1,969
28	18	7.17	6.38	0.89	1,472	6.86	6.11	0.89	1,546	6.59	5.86	0.89	1,619	6.34	5.65	0.89	1,693
28	20	7.47	5.75	0.77	1,546	7.17	5.52	0.77	1,638	6.95	5.35	0.77	1,674	6.71	5.17	0.77	1,748
28	22	7.78	5.06	0.65	1,601	7.50	4.88	0.65	1,702	7.32	4.76	0.65	1,748	7.02	4.56	0.65	1,822
28	24	8.17	4.33	0.53	1,674	7.87	4.17	0.53	1,766	7.69	4.07	0.53	1,822	7.44	3.94	0.53	1,914
28	26	8.42	3.45	0.41	1,766	8.17	3.35	0.41	1,858	8.05	3.30	0.41	1,914	7.81	3.20	0.41	1,969
29	18	7.17	6.67	0.93	1,472	6.86	6.38	0.93	1,546	6.59	6.13	0.93	1,619	6.34	5.90	0.93	1,693
29	20	7.47	6.05	0.81	1,546	7.17	5.81	0.81	1,638	6.95	5.63	0.81	1,674	6.71	5.44	0.81	1,748
29	22	7.78	5.37	0.69	1,601	7.50	5.18	0.69	1,702	7.32	5.05	0.69	1,748	7.02	4.84	0.69	1,822
29	24	8.17	4.66	0.57	1,674	7.87	4.49	0.57	1,766	7.69	4.38	0.57	1,822	7.44	4.24	0.57	1,914
29	26	8.42	3.79	0.45	1,766	8.17	3.68	0.45	1,858	8.05	3.62	0.45	1,914	7.81	3.51	0.45	1,969
30	18	7.17	6.95	0.97	1,472	6.86	6.66	0.97	1,546	6.59	6.39	0.97	1,619	6.34	6.15	0.97	1,693
30	20	7.47	6.35	0.85	1,546	7.17	6.09	0.85	1,638	6.95	5.91	0.85	1,674	6.71	5.70	0.85	1,748
30	22	7.78	5.68	0.73	1,601	7.50	5.48	0.73	1,702	7.32	5.34	0.73	1,748	7.02	5.12	0.73	1,822
30	24	8.17	4.99	0.61	1,674	7.87	4.80	0.61	1,766	7.69	4.69	0.61	1,822	7.44	4.54	0.61	1,914
30	26	8.42	4.12	0.49	1,766	8.17	4.01	0.49	1,858	8.05	3.95	0.49	1,914	7.81	3.83	0.49	1,969
31	18	7.17	7.24	1.01	1,472	6.86	6.93	1.01	1,546	6.59	6.65	1.01	1,619	6.34	6.41	1.01	1,693
31	20	7.47	6.65	0.89	1,546	7.17	6.38	0.89	1,638	6.95	6.19	0.89	1,674	6.71	5.97	0.89	1,748
31	22	7.78	5.99	0.77	1,601	7.50	5.78	0.77	1,702	7.32	5.64	0.77	1,748	7.02	5.40	0.77	1,822
31	24	8.17	5.31	0.65	1,674	7.87	5.11	0.65	1,766	7.69	5.00	0.65	1,822	7.44	4.84	0.65	1,914
31	26	8.42	4.46	0.53	1,766	8.17	4.33	0.53	1,858	8.05	4.27	0.53	1,914	7.81	4.14	0.53	1,969
32	18	7.17	7.53	1.05	1,472	6.86	7.21	1.05	1,546	6.59	6.92	1.05	1,619	6.34	6.66	1.05	1,693
32	20	7.47	6.95	0.93	1,546	7.17	6.67	0.93	1,638	6.95	6.47	0.93	1,674	6.71	6.24	0.93	1,748
32	22	7.78	6.30	0.81	1,601	7.50	6.08	0.81	1,702	7.32	5.93	0.81	1,748	7.02	5.68	0.81	1,822
32	24	8.17	5.64	0.69	1,674	7.87	5.43	0.69	1,766	7.69	5.30	0.69	1,822	7.44	5.13	0.69	1,914
32	26	8.42	4.80	0.57	1,766	8.17	4.66	0.57	1,858	8.05	4.59	0.57	1,914	7.81	4.45	0.57	1,969

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M60DA SEZ-M60DAL / SUZ-M60VA

CAPACITY :6.1(kW) INPUT :1840(W) SHF :0.79

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB: 35 Q	SHC	SHF	INPUT	40 Q	SHC	SHF	INPUT	46 Q	SHC	SHF	INPUT
21	18	5.98	3.65	0.61	1,803	5.49	3.35	0.61	1,914	5.06	3.09	0.61	1,987
21	20	6.28	3.08	0.49	1,877	5.86	2.87	0.49	1,969	5.43	2.66	0.49	2,079
22	18	5.98	3.89	0.65	1,803	5.49	3.57	0.65	1,914	5.06	3.29	0.65	1,987
22	20	6.28	3.33	0.53	1,877	5.86	3.10	0.53	1,969	5.43	2.88	0.53	2,079
22	22	6.65	2.73	0.41	1,950	6.22	2.55	0.41	2,061	5.80	2.38	0.41	2,134
23	18	5.98	4.12	0.69	1,803	5.49	3.79	0.69	1,914	5.06	3.49	0.69	1,987
23	20	6.28	3.58	0.57	1,877	5.86	3.34	0.57	1,969	5.43	3.09	0.57	2,079
23	22	6.65	2.99	0.45	1,950	6.22	2.80	0.45	2,061	5.80	2.61	0.45	2,134
24	18	5.98	4.36	0.73	1,803	5.49	4.01	0.73	1,914	5.06	3.70	0.73	1,987
24	20	6.28	3.83	0.61	1,877	5.86	3.57	0.61	1,969	5.43	3.31	0.61	2,079
24	22	6.65	3.26	0.49	1,950	6.22	3.05	0.49	2,061	5.80	2.84	0.49	2,134
24	24	7.02	2.60	0.37	2,024	6.59	2.44	0.37	2,116	6.22	2.30	0.37	2,208
25	20	6.28	4.08	0.65	1,877	5.86	3.81	0.65	1,969	5.43	3.53	0.65	2,079
25	22	6.65	3.52	0.53	1,950	6.22	3.30	0.53	2,061	5.80	3.07	0.53	2,134
25	24	7.02	2.88	0.41	2,024	6.59	2.70	0.41	2,116	6.22	2.55	0.41	2,208
26	18	5.98	4.84	0.81	1,803	5.49	4.45	0.81	1,914	5.06	4.10	0.81	1,987
26	20	6.28	4.34	0.69	1,877	5.86	4.04	0.69	1,969	5.43	3.75	0.69	2,079
26	22	6.65	3.79	0.57	1,950	6.22	3.55	0.57	2,061	5.80	3.30	0.57	2,134
26	24	7.02	3.16	0.45	2,024	6.59	2.96	0.45	2,116	6.22	2.80	0.45	2,208
26	26	7.38	2.44	0.33	2,098	6.95	2.29	0.33	2,190	6.53	2.15	0.33	2,282
27	18	5.98	5.08	0.85	1,803	5.49	4.67	0.85	1,914	5.06	4.30	0.85	1,987
27	20	6.28	4.59	0.73	1,877	5.86	4.27	0.73	1,969	5.43	3.96	0.73	2,079
27	22	6.65	4.06	0.61	1,950	6.22	3.80	0.61	2,061	5.80	3.53	0.61	2,134
27	24	7.02	3.44	0.49	2,024	6.59	3.23	0.49	2,116	6.22	3.05	0.49	2,208
27	26	7.38	2.73	0.37	2,098	6.95	2.57	0.37	2,190	6.53	2.41	0.37	2,282
28	18	5.98	5.32	0.89	1,803	5.49	4.89	0.89	1,914	5.06	4.51	0.89	1,987
28	20	6.28	4.84	0.77	1,877	5.86	4.51	0.77	1,969	5.43	4.18	0.77	2,079
28	22	6.65	4.32	0.65	1,950	6.22	4.04	0.65	2,061	5.80	3.77	0.65	2,134
28	24	7.02	3.72	0.53	2,024	6.59	3.49	0.53	2,116	6.22	3.30	0.53	2,208
28	26	7.38	3.03	0.41	2,098	6.95	2.85	0.41	2,190	6.53	2.68	0.41	2,282
29	18	5.98	5.56	0.93	1,803	5.49	5.11	0.93	1,914	5.06	4.71	0.93	1,987
29	20	6.28	5.09	0.81	1,877	5.86	4.74	0.81	1,969	5.43	4.40	0.81	2,079
29	22	6.65	4.59	0.69	1,950	6.22	4.29	0.69	2,061	5.80	4.00	0.69	2,134
29	24	7.02	4.00	0.57	2,024	6.59	3.76	0.57	2,116	6.22	3.55	0.57	2,208
29	26	7.38	3.32	0.45	2,098	6.95	3.13	0.45	2,190	6.53	2.94	0.45	2,282
30	18	5.98	5.80	0.97	1,803	5.49	5.33	0.97	1,914	5.06	4.91	0.97	1,987
30	20	6.28	5.34	0.85	1,877	5.86	4.98	0.85	1,969	5.43	4.61	0.85	2,079
30	22	6.65	4.85	0.73	1,950	6.22	4.54	0.73	2,061	5.80	4.23	0.73	2,134
30	24	7.02	4.28	0.61	2,024	6.59	4.02	0.61	2,116	6.22	3.80	0.61	2,208
30	26	7.38	3.62	0.49	2,098	6.95	3.41	0.49	2,190	6.53	3.20	0.49	2,282
31	18	5.98	6.04	1.01	1,803	5.49	5.54	1.01	1,914	5.06	5.11	1.01	1,987
31	20	6.28	5.59	0.89	1,877	5.86	5.21	0.89	1,969	5.43	4.83	0.89	2,079
31	22	6.65	5.12	0.77	1,950	6.22	4.79	0.77	2,061	5.80	4.46	0.77	2,134
31	24	7.02	4.56	0.65	2,024	6.59	4.28	0.65	2,116	6.22	4.04	0.65	2,208
31	26	7.38	3.91	0.53	2,098	6.95	3.69	0.53	2,190	6.53	3.46	0.53	2,282
32	18	5.98	6.28	1.05	1,803	5.49	5.76	1.05	1,914	5.06	5.32	1.05	1,987
32	20	6.28	5.84	0.93	1,877	5.86	5.45	0.93	1,969	5.43	5.05	0.93	2,079
32	22	6.65	5.39	0.81	1,950	6.22	5.04	0.81	2,061	5.80	4.69	0.81	2,134
32	24	7.02	4.84	0.69	2,024	6.59	4.55	0.69	2,116	6.22	4.29	0.69	2,208
32	26	7.38	4.21	0.57	2,098	6.95	3.96	0.57	2,190	6.53	3.72	0.57	2,282

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)
SHF : Sensible heat factor
INPUT : Total power input (W)
D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M71DA SEZ-M71DAL / SUZ-M71VA
CAPACITY :7.1(kW) INPUT :2150(W) SHF :0.74

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB: 21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8.34	4.67	0.56	1,720	7.99	4.47	0.56	1,806	7.67	4.29	0.56	1,892	7.38	4.14	0.56	1,978
21	20	8.70	3.83	0.44	1,806	8.34	3.67	0.44	1,914	8.09	3.56	0.44	1,957	7.81	3.44	0.44	2,043
22	18	8.34	5.01	0.60	1,720	7.99	4.79	0.60	1,806	7.67	4.60	0.60	1,892	7.38	4.43	0.60	1,978
22	20	8.70	4.17	0.48	1,806	8.34	4.00	0.48	1,914	8.09	3.89	0.48	1,957	7.81	3.75	0.48	2,043
22	22	9.05	3.26	0.36	1,871	8.73	3.14	0.36	1,989	8.52	3.07	0.36	2,043	8.17	2.94	0.36	2,129
23	18	8.34	5.34	0.64	1,720	7.99	5.11	0.64	1,806	7.67	4.91	0.64	1,892	7.38	4.73	0.64	1,978
23	20	8.70	4.52	0.52	1,806	8.34	4.34	0.52	1,914	8.09	4.21	0.52	1,957	7.81	4.06	0.52	2,043
23	22	9.05	3.62	0.40	1,871	8.73	3.49	0.40	1,989	8.52	3.41	0.40	2,043	8.17	3.27	0.40	2,129
24	18	8.34	5.67	0.68	1,720	7.99	5.43	0.68	1,806	7.67	5.21	0.68	1,892	7.38	5.02	0.68	1,978
24	20	8.70	4.87	0.56	1,806	8.34	4.67	0.56	1,914	8.09	4.53	0.56	1,957	7.81	4.37	0.56	2,043
24	22	9.05	3.98	0.44	1,871	8.73	3.84	0.44	1,989	8.52	3.75	0.44	2,043	8.17	3.59	0.44	2,129
24	24	9.51	3.04	0.32	1,957	9.16	2.93	0.32	2,064	8.95	2.86	0.32	2,129	8.66	2.77	0.32	2,236
25	20	8.70	5.22	0.60	1,806	8.34	5.01	0.60	1,914	8.09	4.86	0.60	1,957	7.81	4.69	0.60	2,043
25	22	9.05	4.35	0.48	1,871	8.73	4.19	0.48	1,989	8.52	4.09	0.48	2,043	8.17	3.92	0.48	2,129
25	24	9.51	3.43	0.36	1,957	9.16	3.30	0.36	2,064	8.95	3.22	0.36	2,129	8.66	3.12	0.36	2,236
26	18	8.34	6.34	0.76	1,720	7.99	6.07	0.76	1,806	7.67	5.83	0.76	1,892	7.38	5.61	0.76	1,978
26	20	8.70	5.57	0.64	1,806	8.34	5.34	0.64	1,914	8.09	5.18	0.64	1,957	7.81	5.00	0.64	2,043
26	22	9.05	4.71	0.52	1,871	8.73	4.54	0.52	1,989	8.52	4.43	0.52	2,043	8.17	4.25	0.52	2,129
26	24	9.51	3.81	0.40	1,957	9.16	3.66	0.40	2,064	8.95	3.58	0.40	2,129	8.66	3.46	0.40	2,236
26	26	9.80	2.74	0.28	2,064	9.51	2.66	0.28	2,172	9.37	2.62	0.28	2,236	9.09	2.54	0.28	2,301
27	18	8.34	6.67	0.80	1,720	7.99	6.39	0.80	1,806	7.67	6.13	0.80	1,892	7.38	5.91	0.80	1,978
27	20	8.70	5.91	0.68	1,806	8.34	5.67	0.68	1,914	8.09	5.50	0.68	1,957	7.81	5.31	0.68	2,043
27	22	9.05	5.07	0.56	1,871	8.73	4.89	0.56	1,989	8.52	4.77	0.56	2,043	8.17	4.57	0.56	2,129
27	24	9.51	4.19	0.44	1,957	9.16	4.03	0.44	2,064	8.95	3.94	0.44	2,129	8.66	3.81	0.44	2,236
27	26	9.80	3.14	0.32	2,064	9.51	3.04	0.32	2,172	9.37	3.00	0.32	2,236	9.09	2.91	0.32	2,301
28	18	8.34	7.01	0.84	1,720	7.99	6.71	0.84	1,806	7.67	6.44	0.84	1,892	7.38	6.20	0.84	1,978
28	20	8.70	6.26	0.72	1,806	8.34	6.01	0.72	1,914	8.09	5.83	0.72	1,957	7.81	5.62	0.72	2,043
28	22	9.05	5.43	0.60	1,871	8.73	5.24	0.60	1,989	8.52	5.11	0.60	2,043	8.17	4.90	0.60	2,129
28	24	9.51	4.57	0.48	1,957	9.16	4.40	0.48	2,064	8.95	4.29	0.48	2,129	8.66	4.16	0.48	2,236
28	26	9.80	3.53	0.36	2,064	9.51	3.43	0.36	2,172	9.37	3.37	0.36	2,236	9.09	3.27	0.36	2,301
29	18	8.34	7.34	0.88	1,720	7.99	7.03	0.88	1,806	7.67	6.75	0.88	1,892	7.38	6.50	0.88	1,978
29	20	8.70	6.61	0.76	1,806	8.34	6.34	0.76	1,914	8.09	6.15	0.76	1,957	7.81	5.94	0.76	2,043
29	22	9.05	5.79	0.64	1,871	8.73	5.59	0.64	1,989	8.52	5.45	0.64	2,043	8.17	5.23	0.64	2,129
29	24	9.51	4.95	0.52	1,957	9.16	4.76	0.52	2,064	8.95	4.65	0.52	2,129	8.66	4.50	0.52	2,236
29	26	9.80	3.92	0.40	2,064	9.51	3.81	0.40	2,172	9.37	3.75	0.40	2,236	9.09	3.64	0.40	2,301
30	18	8.34	7.68	0.92	1,720	7.99	7.35	0.92	1,806	7.67	7.05	0.92	1,892	7.38	6.79	0.92	1,978
30	20	8.70	6.96	0.80	1,806	8.34	6.67	0.80	1,914	8.09	6.48	0.80	1,957	7.81	6.25	0.80	2,043
30	22	9.05	6.16	0.68	1,871	8.73	5.94	0.68	1,989	8.52	5.79	0.68	2,043	8.17	5.55	0.68	2,129
30	24	9.51	5.33	0.56	1,957	9.16	5.13	0.56	2,064	8.95	5.01	0.56	2,129	8.66	4.85	0.56	2,236
30	26	9.80	4.31	0.44	2,064	9.51	4.19	0.44	2,172	9.37	4.12	0.44	2,236	9.09	4.00	0.44	2,301
31	18	8.34	8.01	0.96	1,720	7.99	7.67	0.96	1,806	7.67	7.36	0.96	1,892	7.38	7.09	0.96	1,978
31	20	8.70	7.31	0.84	1,806	8.34	7.01	0.84	1,914	8.09	6.80	0.84	1,957	7.81	6.56	0.84	2,043
31	22	9.05	6.52	0.72	1,871	8.73	6.29	0.72	1,989	8.52	6.13	0.72	2,043	8.17	5.88	0.72	2,129
31	24	9.51	5.71	0.60	1,957	9.16	5.50	0.60	2,064	8.95	5.37	0.60	2,129	8.66	5.20	0.60	2,236
31	26	9.80	4.70	0.48	2,064	9.51	4.57	0.48	2,172	9.37	4.50	0.48	2,236	9.09	4.36	0.48	2,301
32	18	8.34	8.34	1.00	1,720	7.99	7.99	1.00	1,806	7.67	7.67	1.00	1,892	7.38	7.38	1.00	1,978
32	20	8.70	7.65	0.88	1,806	8.34	7.34	0.88	1,914	8.09	7.12	0.88	1,957	7.81	6.87	0.88	2,043
32	22	9.05	6.88	0.76	1,871	8.73	6.64	0.76	1,989	8.52	6.48	0.76	2,043	8.17	6.21	0.76	2,129
32	24	9.51	6.09	0.64	1,957	9.16	5.86	0.64	2,064	8.95	5.73	0.64	2,129	8.66	5.54	0.64	2,236
32	26	9.80	5.09	0.52	2,064	9.51	4.95	0.52	2,172	9.37	4.87	0.52	2,236	9.09	4.73	0.52	2,301

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M71DA SEZ-M71DAL / SUZ-M71VA

CAPACITY :7.1(kW) INPUT :2150(W) SHF :0.74

Indoor intake air D.B.(℃)	Indoor intake air W.B.(℃)	Outdoor intake air DB: 35 Q	SHC	SHF	INPUT	40 Q	SHC	SHF	INPUT	46 Q	SHC	SHF	INPUT
21	18	6.96	3.90	0.56	2,107	6.39	3.58	0.56	2,236	5.89	3.30	0.56	2,322
21	20	7.31	3.22	0.44	2,193	6.82	3.00	0.44	2,301	6.32	2.78	0.44	2,430
22	18	6.96	4.17	0.60	2,107	6.39	3.83	0.60	2,236	5.89	3.54	0.60	2,322
22	20	7.31	3.51	0.48	2,193	6.82	3.27	0.48	2,301	6.32	3.03	0.48	2,430
22	22	7.74	2.79	0.36	2,279	7.24	2.61	0.36	2,408	6.75	2.43	0.36	2,494
23	18	6.96	4.45	0.64	2,107	6.39	4.09	0.64	2,236	5.89	3.77	0.64	2,322
23	20	7.31	3.80	0.52	2,193	6.82	3.54	0.52	2,301	6.32	3.29	0.52	2,430
23	22	7.74	3.10	0.40	2,279	7.24	2.90	0.40	2,408	6.75	2.70	0.40	2,494
24	18	6.96	4.73	0.68	2,107	6.39	4.35	0.68	2,236	5.89	4.01	0.68	2,322
24	20	7.31	4.10	0.56	2,193	6.82	3.82	0.56	2,301	6.32	3.54	0.56	2,430
24	22	7.74	3.41	0.44	2,279	7.24	3.19	0.44	2,408	6.75	2.97	0.44	2,494
24	24	8.17	2.61	0.32	2,365	7.67	2.45	0.32	2,473	7.24	2.32	0.32	2,580
25	20	7.31	4.39	0.60	2,193	6.82	4.09	0.60	2,301	6.32	3.79	0.60	2,430
25	22	7.74	3.71	0.48	2,279	7.24	3.48	0.48	2,408	6.75	3.24	0.48	2,494
25	24	8.17	2.94	0.36	2,365	7.67	2.76	0.36	2,473	7.24	2.61	0.36	2,580
26	18	6.96	5.29	0.76	2,107	6.39	4.86	0.76	2,236	5.89	4.48	0.76	2,322
26	20	7.31	4.68	0.64	2,193	6.82	4.36	0.64	2,301	6.32	4.04	0.64	2,430
26	22	7.74	4.02	0.52	2,279	7.24	3.77	0.52	2,408	6.75	3.51	0.52	2,494
26	24	8.17	3.27	0.40	2,365	7.67	3.07	0.40	2,473	7.24	2.90	0.40	2,580
26	26	8.59	2.41	0.28	2,451	8.09	2.27	0.28	2,559	7.60	2.13	0.28	2,666
27	18	6.96	5.57	0.80	2,107	6.39	5.11	0.80	2,236	5.89	4.71	0.80	2,322
27	20	7.31	4.97	0.68	2,193	6.82	4.63	0.68	2,301	6.32	4.30	0.68	2,430
27	22	7.74	4.33	0.56	2,279	7.24	4.06	0.56	2,408	6.75	3.78	0.56	2,494
27	24	8.17	3.59	0.44	2,365	7.67	3.37	0.44	2,473	7.24	3.19	0.44	2,580
27	26	8.59	2.75	0.32	2,451	8.09	2.59	0.32	2,559	7.60	2.43	0.32	2,666
28	18	6.96	5.84	0.84	2,107	6.39	5.37	0.84	2,236	5.89	4.95	0.84	2,322
28	20	7.31	5.27	0.72	2,193	6.82	4.91	0.72	2,301	6.32	4.55	0.72	2,430
28	22	7.74	4.64	0.60	2,279	7.24	4.35	0.60	2,408	6.75	4.05	0.60	2,494
28	24	8.17	3.92	0.48	2,365	7.67	3.68	0.48	2,473	7.24	3.48	0.48	2,580
28	26	8.59	3.09	0.36	2,451	8.09	2.91	0.36	2,559	7.60	2.73	0.36	2,666
29	18	6.96	6.12	0.88	2,107	6.39	5.62	0.88	2,236	5.89	5.19	0.88	2,322
29	20	7.31	5.56	0.76	2,193	6.82	5.18	0.76	2,301	6.32	4.80	0.76	2,430
29	22	7.74	4.95	0.64	2,279	7.24	4.63	0.64	2,408	6.75	4.32	0.64	2,494
29	24	8.17	4.25	0.52	2,365	7.67	3.99	0.52	2,473	7.24	3.77	0.52	2,580
29	26	8.59	3.44	0.40	2,451	8.09	3.24	0.40	2,559	7.60	3.04	0.40	2,666
30	18	6.96	6.40	0.92	2,107	6.39	5.88	0.92	2,236	5.89	5.42	0.92	2,322
30	20	7.31	5.85	0.80	2,193	6.82	5.45	0.80	2,301	6.32	5.06	0.80	2,430
30	22	7.74	5.26	0.68	2,279	7.24	4.92	0.68	2,408	6.75	4.59	0.68	2,494
30	24	8.17	4.57	0.56	2,365	7.67	4.29	0.56	2,473	7.24	4.06	0.56	2,580
30	26	8.59	3.78	0.44	2,451	8.09	3.56	0.44	2,559	7.60	3.34	0.44	2,666
31	18	6.96	6.68	0.96	2,107	6.39	6.13	0.96	2,236	5.89	5.66	0.96	2,322
31	20	7.31	6.14	0.84	2,193	6.82	5.73	0.84	2,301	6.32	5.31	0.84	2,430
31	22	7.74	5.57	0.72	2,279	7.24	5.21	0.72	2,408	6.75	4.86	0.72	2,494
31	24	8.17	4.90	0.60	2,365	7.67	4.60	0.60	2,473	7.24	4.35	0.60	2,580
31	26	8.59	4.12	0.48	2,451	8.09	3.89	0.48	2,559	7.60	3.65	0.48	2,666
32	18	6.96	6.96	1.00	2,107	6.39	6.39	1.00	2,236	5.89	5.89	1.00	2,322
32	20	7.31	6.44	0.88	2,193	6.82	6.00	0.88	2,301	6.32	5.56	0.88	2,430
32	22	7.74	5.88	0.76	2,279	7.24	5.50	0.76	2,408	6.75	5.13	0.76	2,494
32	24	8.17	5.23	0.64	2,365	7.67	4.91	0.64	2,473	7.24	4.63	0.64	2,580
32	26	8.59	4.47	0.52	2,451	8.09	4.21	0.52	2,559	7.60	3.95	0.52	2,666

Note: Q : Total capacity (kW) SHC : Sensible heat capacity (kW) SHF : Sensible heat factor INPUT : Total power input (W) D.B.: Dry-bulb temperature W.B.: Wet-bulb temperature

HEATING operation

SEZ-M25DA SEZ-M25DAL / SUZ-M25VA at Rated frequency

CAPACITY : 2.9(kW) INPUT : 800(W)

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-10		-15		-5		0		5		10		15		20	
	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
15	1.45	416	1.83	520	2.20	624	2.58	704	2.96	760	3.34	808	3.68	832	4.06	848
21	1.36	443	1.74	560	2.09	664	2.47	736	2.81	792	3.19	832	3.54	856	3.90	888
26	1.19	480	1.57	600	1.94	704	2.29	776	2.67	832	3.05	872	3.39	896	3.77	920

SEZ-M35DA SEZ-M35DAL / SUZ-M35VA at Rated frequency

CAPACITY : 4.2(kW) INPUT : 1070(W)

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-10		-15		-5		0		5		10		15		20	
	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
15	2.10	556	2.65	696	3.19	835	3.74	942	4.28	1017	4.83	1081	5.33	1113	5.88	1134
21	1.97	593	2.52	749	3.02	888	3.57	984	4.07	1059	4.62	1113	5.12	1145	5.65	1188
26	1.72	642	2.27	803	2.81	942	3.32	1038	3.86	1113	4.41	1166	4.91	1198	5.46	1231

SEZ-M50DA SEZ-M50DAL / SUZ-M50VA at Rated frequency

CAPACITY : 6.0(kW) INPUT : 1610(W)

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-10		-15		-5		0		5		10		15		20	
	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
15	3.00	837	3.78	1047	4.56	1256	5.34	1417	6.12	1530	6.90	1626	7.62	1674	8.40	1707
21	2.82	892	3.60	1127	4.32	1336	5.10	1481	5.82	1594	6.60	1674	7.32	1723	8.07	1787
26	2.46	966	3.24	1208	4.02	1417	4.74	1562	5.52	1674	6.30	1755	7.02	1803	7.80	1852

SEZ-M60DA, SEZ-M60DAL / SUZ-M60VA at Rated frequency

CAPACITY : 7.4(kW) INPUT : 2040(W)

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-10		-15		-5		0		5		10		15		20	
	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
15	3.70	1061	4.66	1326	5.62	1591	6.59	1795	7.55	1938	8.51	2060	9.40	2122	10.36	2162
21	3.48	1130	4.44	1428	5.33	1693	6.29	1877	7.18	2020	8.14	2122	9.03	2183	9.95	2264
26	3.03	1224	4.00	1530	4.96	1795	5.85	1979	6.81	2122	7.77	2224	8.66	2285	9.62	2346

SEZ-M71DA, SEZ-M71DAL / SUZ-M71VA at Rated frequency

CAPACITY : 8.0(kW) INPUT : 2280(W)

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-10		-15		-5		0		5		10		15		20	
	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
15	4.00	1186	5.04	1482	6.08	1778	7.12	2006	8.16	2166	9.20	2303	10.16	2371	11.20	2417
21	3.76	1263	4.80	1596	5.76	1892	6.80	2098	7.76	2257	8.80	2371	9.76	2440	10.76	2531
26	3.28	1368	4.32	1710	5.36	2006	6.32	2212	7.36	2371	8.40	2485	9.36	2554	10.40	2622

Note: Q : Total capacity (kW) INPUT : Total power input (W) D.B.: Dry-bulb temperature W.B.: Wet-bulb temperature

B.2.5.2 R410A type

COOLING operation at Rated frequency
SEZ-M25DA SEZ-M25DAL / SUZ-KA25VA6
CAPACITY : 2.5(kW) INPUT : 730(W) SHF : 0.80

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.94	1.82	0.62	584	2.81	1.74	0.62	613	2.70	1.67	0.62	642	2.60	1.61	0.62	672
21	20	3.06	1.53	0.50	613	2.94	1.47	0.50	650	2.85	1.43	0.50	664	2.75	1.38	0.50	694
22	18	2.94	1.94	0.66	584	2.81	1.86	0.66	613	2.70	1.78	0.66	642	2.60	1.72	0.66	672
22	20	3.06	1.65	0.54	613	2.94	1.59	0.54	650	2.85	1.54	0.54	664	2.75	1.49	0.54	694
22	22	3.19	1.34	0.42	635	3.08	1.29	0.42	675	3.00	1.26	0.42	694	2.88	1.21	0.42	723
23	18	2.94	2.06	0.70	584	2.81	1.97	0.70	613	2.70	1.89	0.70	642	2.60	1.82	0.70	672
23	20	3.06	1.78	0.58	613	2.94	1.70	0.58	650	2.85	1.65	0.58	664	2.75	1.60	0.58	694
23	22	3.19	1.47	0.46	635	3.08	1.41	0.46	675	3.00	1.38	0.46	694	2.88	1.32	0.46	723
24	18	2.94	2.17	0.74	584	2.81	2.08	0.74	613	2.70	2.00	0.74	642	2.60	1.92	0.74	672
24	20	3.06	1.90	0.62	613	2.94	1.82	0.62	650	2.85	1.77	0.62	664	2.75	1.71	0.62	694
24	22	3.19	1.59	0.50	635	3.08	1.54	0.50	675	3.00	1.50	0.50	694	2.88	1.44	0.50	723
24	24	3.35	1.27	0.38	664	3.23	1.23	0.38	701	3.15	1.20	0.38	723	3.05	1.16	0.38	759
25	20	3.06	2.02	0.66	613	2.94	1.94	0.66	650	2.85	1.88	0.66	664	2.75	1.82	0.66	694
25	22	3.19	1.72	0.54	635	3.08	1.66	0.54	675	3.00	1.62	0.54	694	2.88	1.55	0.54	723
25	24	3.35	1.41	0.42	664	3.23	1.35	0.42	701	3.15	1.32	0.42	723	3.05	1.28	0.42	759
26	18	2.94	2.41	0.82	584	2.81	2.31	0.82	613	2.70	2.21	0.82	642	2.60	2.13	0.82	672
26	20	3.06	2.14	0.70	613	2.94	2.06	0.70	650	2.85	2.00	0.70	664	2.75	1.93	0.70	694
26	22	3.19	1.85	0.58	635	3.08	1.78	0.58	675	3.00	1.74	0.58	694	2.88	1.67	0.58	723
26	24	3.35	1.54	0.46	664	3.23	1.48	0.46	701	3.15	1.45	0.46	723	3.05	1.40	0.46	759
26	26	3.45	1.17	0.34	701	3.35	1.14	0.34	737	3.30	1.12	0.34	759	3.20	1.09	0.34	781
27	18	2.94	2.53	0.86	584	2.81	2.42	0.86	613	2.70	2.32	0.86	642	2.60	2.24	0.86	672
27	20	3.06	2.27	0.74	613	2.94	2.17	0.74	650	2.85	2.11	0.74	664	2.75	2.04	0.74	694
27	22	3.19	1.98	0.62	635	3.08	1.91	0.62	675	3.00	1.86	0.62	694	2.88	1.78	0.62	723
27	24	3.35	1.68	0.50	664	3.23	1.61	0.50	701	3.15	1.58	0.50	723	3.05	1.53	0.50	759
27	26	3.45	1.31	0.38	701	3.35	1.27	0.38	737	3.30	1.25	0.38	759	3.20	1.22	0.38	781
28	18	2.94	2.64	0.90	584	2.81	2.53	0.90	613	2.70	2.43	0.90	642	2.60	2.34	0.90	672
28	20	3.06	2.39	0.78	613	2.94	2.29	0.78	650	2.85	2.22	0.78	664	2.75	2.15	0.78	694
28	22	3.19	2.10	0.66	635	3.08	2.03	0.66	675	3.00	1.98	0.66	694	2.88	1.90	0.66	723
28	24	3.35	1.81	0.54	664	3.23	1.74	0.54	701	3.15	1.70	0.54	723	3.05	1.65	0.54	759
28	26	3.45	1.45	0.42	701	3.35	1.41	0.42	737	3.30	1.39	0.42	759	3.20	1.34	0.42	781
29	18	2.94	2.76	0.94	584	2.81	2.64	0.94	613	2.70	2.54	0.94	642	2.60	2.44	0.94	672
29	20	3.06	2.51	0.82	613	2.94	2.41	0.82	650	2.85	2.34	0.82	664	2.75	2.26	0.82	694
29	22	3.19	2.23	0.70	635	3.08	2.15	0.70	675	3.00	2.10	0.70	694	2.88	2.01	0.70	723
29	24	3.35	1.94	0.58	664	3.23	1.87	0.58	701	3.15	1.83	0.58	723	3.05	1.77	0.58	759
29	26	3.45	1.59	0.46	701	3.35	1.54	0.46	737	3.30	1.52	0.46	759	3.20	1.47	0.46	781
30	18	2.94	2.88	0.98	584	2.81	2.76	0.98	613	2.70	2.65	0.98	642	2.60	2.55	0.98	672
30	20	3.06	2.63	0.86	613	2.94	2.53	0.86	650	2.85	2.45	0.86	664	2.75	2.37	0.86	694
30	22	3.19	2.36	0.74	635	3.08	2.28	0.74	675	3.00	2.22	0.74	694	2.88	2.13	0.74	723
30	24	3.35	2.08	0.62	664	3.23	2.00	0.62	701	3.15	1.95	0.62	723	3.05	1.89	0.62	759
30	26	3.45	1.73	0.50	701	3.35	1.68	0.50	737	3.30	1.65	0.50	759	3.20	1.60	0.50	781
31	18	2.94	2.94	1.00	584	2.81	2.81	1.00	613	2.70	2.70	1.00	642	2.60	2.60	1.00	672
31	20	3.06	2.76	0.90	613	2.94	2.64	0.90	650	2.85	2.57	0.90	664	2.75	2.48	0.90	694
31	22	3.19	2.49	0.78	635	3.08	2.40	0.78	675	3.00	2.34	0.78	694	2.88	2.24	0.78	723
31	24	3.35	2.21	0.66	664	3.23	2.13	0.66	701	3.15	2.08	0.66	723	3.05	2.01	0.66	759
31	26	3.45	1.86	0.54	701	3.35	1.81	0.54	737	3.30	1.78	0.54	759	3.20	1.73	0.54	781
32	18	2.94	2.94	1.00	584	2.81	2.81	1.00	613	2.70	2.70	1.00	642	2.60	2.60	1.00	672
32	20	3.06	2.88	0.94	613	2.94	2.76	0.94	650	2.85	2.68	0.94	664	2.75	2.59	0.94	694
32	22	3.19	2.61	0.82	635	3.08	2.52	0.82	675	3.00	2.46	0.82	694	2.88	2.36	0.82	723
32	24	3.35	2.35	0.70	664	3.23	2.26	0.70	701	3.15	2.21	0.70	723	3.05	2.14	0.70	759
32	26	3.45	2.00	0.58	701	3.35	1.94	0.58	737	3.30	1.91	0.58	759	3.20	1.86	0.58	781

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M25DA SEZ-M25DAL / SUZ-KA25VA6
CAPACITY : 2.5(kW) INPUT : 730(W) SHF : 0.80

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.45	1.52	0.62	715	2.25	1.40	0.62	759	2.08	1.29	0.62	788
21	20	2.58	1.29	0.50	745	2.40	1.20	0.50	781	2.23	1.11	0.50	825
22	18	2.45	1.62	0.66	715	2.25	1.49	0.66	759	2.08	1.37	0.66	788
22	20	2.58	1.39	0.54	745	2.40	1.30	0.54	781	2.23	1.20	0.54	825
22	22	2.73	1.14	0.42	774	2.55	1.07	0.42	818	2.38	1.00	0.42	847
23	18	2.45	1.72	0.70	715	2.25	1.58	0.70	759	2.08	1.45	0.70	788
23	20	2.58	1.49	0.58	745	2.40	1.39	0.58	781	2.23	1.29	0.58	825
23	22	2.73	1.25	0.46	774	2.55	1.17	0.46	818	2.38	1.09	0.46	847
24	18	2.45	1.81	0.74	715	2.25	1.67	0.74	759	2.08	1.54	0.74	788
24	20	2.58	1.60	0.62	745	2.40	1.49	0.62	781	2.23	1.38	0.62	825
24	22	2.73	1.36	0.50	774	2.55	1.28	0.50	818	2.38	1.19	0.50	847
24	24	2.88	1.09	0.38	803	2.70	1.03	0.38	840	2.55	0.97	0.38	876
25	20	2.58	1.70	0.66	745	2.40	1.58	0.66	781	2.23	1.47	0.66	825
25	22	2.73	1.47	0.54	774	2.55	1.38	0.54	818	2.38	1.28	0.54	847
25	24	2.88	1.21	0.42	803	2.70	1.13	0.42	840	2.55	1.07	0.42	876
26	18	2.45	2.01	0.82	715	2.25	1.85	0.82	759	2.08	1.70	0.82	788
26	20	2.58	1.80	0.70	745	2.40	1.68	0.70	781	2.23	1.56	0.70	825
26	22	2.73	1.58	0.58	774	2.55	1.48	0.58	818	2.38	1.38	0.58	847
26	24	2.88	1.32	0.46	803	2.70	1.24	0.46	840	2.55	1.17	0.46	876
26	26	3.03	1.03	0.34	832	2.85	0.97	0.34	869	2.68	0.91	0.34	905
27	18	2.45	2.11	0.86	715	2.25	1.94	0.86	759	2.08	1.78	0.86	788
27	20	2.58	1.91	0.74	745	2.40	1.78	0.74	781	2.23	1.65	0.74	825
27	22	2.73	1.69	0.62	774	2.55	1.58	0.62	818	2.38	1.47	0.62	847
27	24	2.88	1.44	0.50	803	2.70	1.35	0.50	840	2.55	1.28	0.50	876
27	26	3.03	1.15	0.38	832	2.85	1.08	0.38	869	2.68	1.02	0.38	905
28	18	2.45	2.21	0.90	715	2.25	2.03	0.90	759	2.08	1.87	0.90	788
28	20	2.58	2.01	0.78	745	2.40	1.87	0.78	781	2.23	1.74	0.78	825
28	22	2.73	1.80	0.66	774	2.55	1.68	0.66	818	2.38	1.57	0.66	847
28	24	2.88	1.55	0.54	803	2.70	1.46	0.54	840	2.55	1.38	0.54	876
28	26	3.03	1.27	0.42	832	2.85	1.20	0.42	869	2.68	1.12	0.42	905
29	18	2.45	2.30	0.94	715	2.25	2.12	0.94	759	2.08	1.95	0.94	788
29	20	2.58	2.11	0.82	745	2.40	1.97	0.82	781	2.23	1.82	0.82	825
29	22	2.73	1.91	0.70	774	2.55	1.79	0.70	818	2.38	1.66	0.70	847
29	24	2.88	1.67	0.58	803	2.70	1.57	0.58	840	2.55	1.48	0.58	876
29	26	3.03	1.39	0.46	832	2.85	1.31	0.46	869	2.68	1.23	0.46	905
30	18	2.45	2.40	0.98	715	2.25	2.21	0.98	759	2.08	2.03	0.98	788
30	20	2.58	2.21	0.86	745	2.40	2.06	0.86	781	2.23	1.91	0.86	825
30	22	2.73	2.02	0.74	774	2.55	1.89	0.74	818	2.38	1.76	0.74	847
30	24	2.88	1.78	0.62	803	2.70	1.67	0.62	840	2.55	1.58	0.62	876
30	26	3.03	1.51	0.50	832	2.85	1.43	0.50	869	2.68	1.34	0.50	905
31	18	2.45	2.45	1.00	715	2.25	2.25	1.00	759	2.08	2.08	1.00	788
31	20	2.58	2.32	0.90	745	2.40	2.16	0.90	781	2.23	2.00	0.90	825
31	22	2.73	2.13	0.78	774	2.55	1.99	0.78	818	2.38	1.85	0.78	847
31	24	2.88	1.90	0.66	803	2.70	1.78	0.66	840	2.55	1.68	0.66	876
31	26	3.03	1.63	0.54	832	2.85	1.54	0.54	869	2.68	1.44	0.54	905
32	18	2.45	2.45	1.00	715	2.25	2.25	1.00	759	2.08	2.08	1.00	788
32	20	2.58	2.42	0.94	745	2.40	2.26	0.94	781	2.23	2.09	0.94	825
32	22	2.73	2.23	0.82	774	2.55	2.09	0.82	818	2.38	1.95	0.82	847
32	24	2.88	2.01	0.70	803	2.70	1.89	0.70	840	2.55	1.79	0.70	876
32	26	3.03	1.75	0.58	832	2.85	1.65	0.58	869	2.68	1.55	0.58	905

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M35DA SEZ-M35DAL / SUZ-KA35VA6
CAPACITY : 3.5(kW) INPUT : 1010(W) SHF : 0.76

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.11	2.39	0.58	808	3.94	2.28	0.58	848	3.78	2.19	0.58	889	3.64	2.11	0.58	929
21	20	4.29	1.97	0.46	848	4.11	1.89	0.46	899	3.99	1.84	0.46	919	3.85	1.77	0.46	960
22	18	4.11	2.55	0.62	808	3.94	2.44	0.62	848	3.78	2.34	0.62	889	3.64	2.26	0.62	929
22	20	4.29	2.14	0.50	848	4.11	2.06	0.50	899	3.99	2.00	0.50	919	3.85	1.93	0.50	960
22	22	4.46	1.70	0.38	879	4.31	1.64	0.38	934	4.20	1.60	0.38	960	4.03	1.53	0.38	1,000
23	18	4.11	2.71	0.66	808	3.94	2.60	0.66	848	3.78	2.49	0.66	889	3.64	2.40	0.66	929
23	20	4.29	2.32	0.54	848	4.11	2.22	0.54	899	3.99	2.15	0.54	919	3.85	2.08	0.54	960
23	22	4.46	1.87	0.42	879	4.31	1.81	0.42	934	4.20	1.76	0.42	960	4.03	1.69	0.42	1,000
24	18	4.11	2.88	0.70	808	3.94	2.76	0.70	848	3.78	2.65	0.70	889	3.64	2.55	0.70	929
24	20	4.29	2.49	0.58	848	4.11	2.39	0.58	899	3.99	2.31	0.58	919	3.85	2.23	0.58	960
24	22	4.46	2.05	0.46	879	4.31	1.98	0.46	934	4.20	1.93	0.46	960	4.03	1.85	0.46	1,000
24	24	4.69	1.59	0.34	919	4.52	1.54	0.34	970	4.41	1.50	0.34	1,000	4.27	1.45	0.34	1,050
25	20	4.29	2.66	0.62	848	4.11	2.55	0.62	899	3.99	2.47	0.62	919	3.85	2.39	0.62	960
25	22	4.46	2.23	0.50	879	4.31	2.15	0.50	934	4.20	2.10	0.50	960	4.03	2.01	0.50	1,000
25	24	4.69	1.78	0.38	919	4.52	1.72	0.38	970	4.41	1.68	0.38	1,000	4.27	1.62	0.38	1,050
26	18	4.11	3.21	0.78	808	3.94	3.07	0.78	848	3.78	2.95	0.78	889	3.64	2.84	0.78	929
26	20	4.29	2.83	0.66	848	4.11	2.71	0.66	899	3.99	2.63	0.66	919	3.85	2.54	0.66	960
26	22	4.46	2.41	0.54	879	4.31	2.32	0.54	934	4.20	2.27	0.54	960	4.03	2.17	0.54	1,000
26	24	4.69	1.97	0.42	919	4.52	1.90	0.42	970	4.41	1.85	0.42	1,000	4.27	1.79	0.42	1,050
26	26	4.83	1.45	0.30	970	4.69	1.41	0.30	1,020	4.62	1.39	0.30	1,050	4.48	1.34	0.30	1,081
27	18	4.11	3.37	0.82	808	3.94	3.23	0.82	848	3.78	3.10	0.82	889	3.64	2.98	0.82	929
27	20	4.29	3.00	0.70	848	4.11	2.88	0.70	899	3.99	2.79	0.70	919	3.85	2.70	0.70	960
27	22	4.46	2.59	0.58	879	4.31	2.50	0.58	934	4.20	2.44	0.58	960	4.03	2.33	0.58	1,000
27	24	4.69	2.16	0.46	919	4.52	2.08	0.46	970	4.41	2.03	0.46	1,000	4.27	1.96	0.46	1,050
27	26	4.83	1.64	0.34	970	4.69	1.59	0.34	1,020	4.62	1.57	0.34	1,050	4.48	1.52	0.34	1,081
28	18	4.11	3.54	0.86	808	3.94	3.39	0.86	848	3.78	3.25	0.86	889	3.64	3.13	0.86	929
28	20	4.29	3.17	0.74	848	4.11	3.04	0.74	899	3.99	2.95	0.74	919	3.85	2.85	0.74	960
28	22	4.46	2.77	0.62	879	4.31	2.67	0.62	934	4.20	2.60	0.62	960	4.03	2.50	0.62	1,000
28	24	4.69	2.35	0.50	919	4.52	2.26	0.50	970	4.41	2.21	0.50	1,000	4.27	2.14	0.50	1,050
28	26	4.83	1.84	0.38	970	4.69	1.78	0.38	1,020	4.62	1.76	0.38	1,050	4.48	1.70	0.38	1,081
29	18	4.11	3.70	0.90	808	3.94	3.54	0.90	848	3.78	3.40	0.90	889	3.64	3.28	0.90	929
29	20	4.29	3.34	0.78	848	4.11	3.21	0.78	899	3.99	3.11	0.78	919	3.85	3.00	0.78	960
29	22	4.46	2.95	0.66	879	4.31	2.84	0.66	934	4.20	2.77	0.66	960	4.03	2.66	0.66	1,000
29	24	4.69	2.53	0.54	919	4.52	2.44	0.54	970	4.41	2.38	0.54	1,000	4.27	2.31	0.54	1,050
29	26	4.83	2.03	0.42	970	4.69	1.97	0.42	1,020	4.62	1.94	0.42	1,050	4.48	1.88	0.42	1,081
30	18	4.11	3.87	0.94	808	3.94	3.70	0.94	848	3.78	3.55	0.94	889	3.64	3.42	0.94	929
30	20	4.29	3.52	0.82	848	4.11	3.37	0.82	899	3.99	3.27	0.82	919	3.85	3.16	0.82	960
30	22	4.46	3.12	0.70	879	4.31	3.01	0.70	934	4.20	2.94	0.70	960	4.03	2.82	0.70	1,000
30	24	4.69	2.72	0.58	919	4.52	2.62	0.58	970	4.41	2.56	0.58	1,000	4.27	2.48	0.58	1,050
30	26	4.83	2.22	0.46	970	4.69	2.16	0.46	1,020	4.62	2.13	0.46	1,050	4.48	2.06	0.46	1,081
31	18	4.11	4.03	0.98	808	3.94	3.86	0.98	848	3.78	3.70	0.98	889	3.64	3.57	0.98	929
31	20	4.29	3.69	0.86	848	4.11	3.54	0.86	899	3.99	3.43	0.86	919	3.85	3.31	0.86	960
31	22	4.46	3.30	0.74	879	4.31	3.19	0.74	934	4.20	3.11	0.74	960	4.03	2.98	0.74	1,000
31	24	4.69	2.91	0.62	919	4.52	2.80	0.62	970	4.41	2.73	0.62	1,000	4.27	2.65	0.62	1,050
31	26	4.83	2.42	0.50	970	4.69	2.35	0.50	1,020	4.62	2.31	0.50	1,050	4.48	2.24	0.50	1,081
32	18	4.11	4.11	1.00	808	3.94	3.94	1.00	848	3.78	3.78	1.00	889	3.64	3.64	1.00	929
32	20	4.29	3.86	0.90	848	4.11	3.70	0.90	899	3.99	3.59	0.90	919	3.85	3.47	0.90	960
32	22	4.46	3.48	0.78	879	4.31	3.36	0.78	934	4.20	3.28	0.78	960	4.03	3.14	0.78	1,000
32	24	4.69	3.10	0.66	919	4.52	2.98	0.66	970	4.41	2.91	0.66	1,000	4.27	2.82	0.66	1,050
32	26	4.83	2.61	0.54	970	4.69	2.53	0.54	1,020	4.62	2.49	0.54	1,050	4.48	2.42	0.54	1,081

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M35DA SEZ-M35DAL / SUZ-KA35VA6
CAPACITY : 3.5(kW) INPUT : 1010(W) SHF : 0.76

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.43	1.99	0.58	990	3.15	1.83	0.58	1,050	2.91	1.68	0.58	1,091
21	20	3.61	1.66	0.46	1,030	3.36	1.55	0.46	1,081	3.12	1.43	0.46	1,141
22	18	3.43	2.13	0.62	990	3.15	1.95	0.62	1,050	2.91	1.80	0.62	1,091
22	20	3.61	1.80	0.50	1,030	3.36	1.68	0.50	1,081	3.12	1.56	0.50	1,141
22	22	3.82	1.45	0.38	1,071	3.57	1.36	0.38	1,131	3.33	1.26	0.38	1,172
23	18	3.43	2.26	0.66	990	3.15	2.08	0.66	1,050	2.91	1.92	0.66	1,091
23	20	3.61	1.95	0.54	1,030	3.36	1.81	0.54	1,081	3.12	1.68	0.54	1,141
23	22	3.82	1.60	0.42	1,071	3.57	1.50	0.42	1,131	3.33	1.40	0.42	1,172
24	18	3.43	2.40	0.70	990	3.15	2.21	0.70	1,050	2.91	2.03	0.70	1,091
24	20	3.61	2.09	0.58	1,030	3.36	1.95	0.58	1,081	3.12	1.81	0.58	1,141
24	22	3.82	1.75	0.46	1,071	3.57	1.64	0.46	1,131	3.33	1.53	0.46	1,172
24	24	4.03	1.37	0.34	1,111	3.78	1.29	0.34	1,162	3.57	1.21	0.34	1,212
25	20	3.61	2.24	0.62	1,030	3.36	2.08	0.62	1,081	3.12	1.93	0.62	1,141
25	22	3.82	1.91	0.50	1,071	3.57	1.79	0.50	1,131	3.33	1.66	0.50	1,172
25	24	4.03	1.53	0.38	1,111	3.78	1.44	0.38	1,162	3.57	1.36	0.38	1,212
26	18	3.43	2.68	0.78	990	3.15	2.46	0.78	1,050	2.91	2.27	0.78	1,091
26	20	3.61	2.38	0.66	1,030	3.36	2.22	0.66	1,081	3.12	2.06	0.66	1,141
26	22	3.82	2.06	0.54	1,071	3.57	1.93	0.54	1,131	3.33	1.80	0.54	1,172
26	24	4.03	1.69	0.42	1,111	3.78	1.59	0.42	1,162	3.57	1.50	0.42	1,212
26	26	4.24	1.27	0.30	1,151	3.99	1.20	0.30	1,202	3.75	1.12	0.30	1,252
27	18	3.43	2.81	0.82	990	3.15	2.58	0.82	1,050	2.91	2.38	0.82	1,091
27	20	3.61	2.52	0.70	1,030	3.36	2.35	0.70	1,081	3.12	2.18	0.70	1,141
27	22	3.82	2.21	0.58	1,071	3.57	2.07	0.58	1,131	3.33	1.93	0.58	1,172
27	24	4.03	1.85	0.46	1,111	3.78	1.74	0.46	1,162	3.57	1.64	0.46	1,212
27	26	4.24	1.44	0.34	1,151	3.99	1.36	0.34	1,202	3.75	1.27	0.34	1,252
28	18	3.43	2.95	0.86	990	3.15	2.71	0.86	1,050	2.91	2.50	0.86	1,091
28	20	3.61	2.67	0.74	1,030	3.36	2.49	0.74	1,081	3.12	2.31	0.74	1,141
28	22	3.82	2.37	0.62	1,071	3.57	2.21	0.62	1,131	3.33	2.06	0.62	1,172
28	24	4.03	2.01	0.50	1,111	3.78	1.89	0.50	1,162	3.57	1.79	0.50	1,212
28	26	4.24	1.61	0.38	1,151	3.99	1.52	0.38	1,202	3.75	1.42	0.38	1,252
29	18	3.43	3.09	0.90	990	3.15	2.84	0.90	1,050	2.91	2.61	0.90	1,091
29	20	3.61	2.81	0.78	1,030	3.36	2.62	0.78	1,081	3.12	2.43	0.78	1,141
29	22	3.82	2.52	0.66	1,071	3.57	2.36	0.66	1,131	3.33	2.19	0.66	1,172
29	24	4.03	2.17	0.54	1,111	3.78	2.04	0.54	1,162	3.57	1.93	0.54	1,212
29	26	4.24	1.78	0.42	1,151	3.99	1.68	0.42	1,202	3.75	1.57	0.42	1,252
30	18	3.43	3.22	0.94	990	3.15	2.96	0.94	1,050	2.91	2.73	0.94	1,091
30	20	3.61	2.96	0.82	1,030	3.36	2.76	0.82	1,081	3.12	2.55	0.82	1,141
30	22	3.82	2.67	0.70	1,071	3.57	2.50	0.70	1,131	3.33	2.33	0.70	1,172
30	24	4.03	2.33	0.58	1,111	3.78	2.19	0.58	1,162	3.57	2.07	0.58	1,212
30	26	4.24	1.95	0.46	1,151	3.99	1.84	0.46	1,202	3.75	1.72	0.46	1,252
31	18	3.43	3.36	0.98	990	3.15	3.09	0.98	1,050	2.91	2.85	0.98	1,091
31	20	3.61	3.10	0.86	1,030	3.36	2.89	0.86	1,081	3.12	2.68	0.86	1,141
31	22	3.82	2.82	0.74	1,071	3.57	2.64	0.74	1,131	3.33	2.46	0.74	1,172
31	24	4.03	2.50	0.62	1,111	3.78	2.34	0.62	1,162	3.57	2.21	0.62	1,212
31	26	4.24	2.12	0.50	1,151	3.99	2.00	0.50	1,202	3.75	1.87	0.50	1,252
32	18	3.43	3.43	1.00	990	3.15	3.15	1.00	1,050	2.91	2.91	1.00	1,091
32	20	3.61	3.24	0.90	1,030	3.36	3.02	0.90	1,081	3.12	2.80	0.90	1,141
32	22	3.82	2.98	0.78	1,071	3.57	2.78	0.78	1,131	3.33	2.59	0.78	1,172
32	24	4.03	2.66	0.66	1,111	3.78	2.49	0.66	1,162	3.57	2.36	0.66	1,212
32	26	4.24	2.29	0.54	1,151	3.99	2.15	0.54	1,202	3.75	2.02	0.54	1,252

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M50DA SEZ-M50DAL / SUZ-KA50VA6
CAPACITY : 5.1(kW) INPUT : 1580(W) SHF : 0.76

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.99	3.48	0.58	1,264	5.74	3.33	0.58	1,327	5.51	3.19	0.58	1,390	5.30	3.08	0.58	1,454
21	20	6.25	2.87	0.46	1,327	5.99	2.76	0.46	1,406	5.81	2.67	0.46	1,438	5.61	2.58	0.46	1,501
22	18	5.99	3.72	0.62	1,264	5.74	3.56	0.62	1,327	5.51	3.41	0.62	1,390	5.30	3.29	0.62	1,454
22	20	6.25	3.12	0.50	1,327	5.99	3.00	0.50	1,406	5.81	2.91	0.50	1,438	5.61	2.81	0.50	1,501
22	22	6.50	2.47	0.38	1,375	6.27	2.38	0.38	1,462	6.12	2.33	0.38	1,501	5.87	2.23	0.38	1,564
23	18	5.99	3.96	0.66	1,264	5.74	3.79	0.66	1,327	5.51	3.64	0.66	1,390	5.30	3.50	0.66	1,454
23	20	6.25	3.37	0.54	1,327	5.99	3.24	0.54	1,406	5.81	3.14	0.54	1,438	5.61	3.03	0.54	1,501
23	22	6.50	2.73	0.42	1,375	6.27	2.63	0.42	1,462	6.12	2.57	0.42	1,501	5.87	2.46	0.42	1,564
24	18	5.99	4.19	0.70	1,264	5.74	4.02	0.70	1,327	5.51	3.86	0.70	1,390	5.30	3.71	0.70	1,454
24	20	6.25	3.62	0.58	1,327	5.99	3.48	0.58	1,406	5.81	3.37	0.58	1,438	5.61	3.25	0.58	1,501
24	22	6.50	2.99	0.46	1,375	6.27	2.89	0.46	1,462	6.12	2.82	0.46	1,501	5.87	2.70	0.46	1,564
24	24	6.83	2.32	0.34	1,438	6.58	2.24	0.34	1,517	6.43	2.18	0.34	1,564	6.22	2.12	0.34	1,643
25	20	6.25	3.87	0.62	1,327	5.99	3.72	0.62	1,406	5.81	3.60	0.62	1,438	5.61	3.48	0.62	1,501
25	22	6.50	3.25	0.50	1,375	6.27	3.14	0.50	1,462	6.12	3.06	0.50	1,501	5.87	2.93	0.50	1,564
25	24	6.83	2.60	0.38	1,438	6.58	2.50	0.38	1,517	6.43	2.44	0.38	1,564	6.22	2.36	0.38	1,643
26	18	5.99	4.67	0.78	1,264	5.74	4.48	0.78	1,327	5.51	4.30	0.78	1,390	5.30	4.14	0.78	1,454
26	20	6.25	4.12	0.66	1,327	5.99	3.96	0.66	1,406	5.81	3.84	0.66	1,438	5.61	3.70	0.66	1,501
26	22	6.50	3.51	0.54	1,375	6.27	3.39	0.54	1,462	6.12	3.30	0.54	1,501	5.87	3.17	0.54	1,564
26	24	6.83	2.87	0.42	1,438	6.58	2.76	0.42	1,517	6.43	2.70	0.42	1,564	6.22	2.61	0.42	1,643
26	26	7.04	2.11	0.30	1,517	6.83	2.05	0.30	1,596	6.73	2.02	0.30	1,643	6.53	1.96	0.30	1,691
27	18	5.99	4.91	0.82	1,264	5.74	4.70	0.82	1,327	5.51	4.52	0.82	1,390	5.30	4.35	0.82	1,454
27	20	6.25	4.37	0.70	1,327	5.99	4.19	0.70	1,406	5.81	4.07	0.70	1,438	5.61	3.93	0.70	1,501
27	22	6.50	3.77	0.58	1,375	6.27	3.64	0.58	1,462	6.12	3.55	0.58	1,501	5.87	3.40	0.58	1,564
27	24	6.83	3.14	0.46	1,438	6.58	3.03	0.46	1,517	6.43	2.96	0.46	1,564	6.22	2.86	0.46	1,643
27	26	7.04	2.39	0.34	1,517	6.83	2.32	0.34	1,596	6.73	2.29	0.34	1,643	6.53	2.22	0.34	1,691
28	18	5.99	5.15	0.86	1,264	5.74	4.93	0.86	1,327	5.51	4.74	0.86	1,390	5.30	4.56	0.86	1,454
28	20	6.25	4.62	0.74	1,327	5.99	4.43	0.74	1,406	5.81	4.30	0.74	1,438	5.61	4.15	0.74	1,501
28	22	6.50	4.03	0.62	1,375	6.27	3.89	0.62	1,462	6.12	3.79	0.62	1,501	5.87	3.64	0.62	1,564
28	24	6.83	3.42	0.50	1,438	6.58	3.29	0.50	1,517	6.43	3.21	0.50	1,564	6.22	3.11	0.50	1,643
28	26	7.04	2.67	0.38	1,517	6.83	2.60	0.38	1,596	6.73	2.56	0.38	1,643	6.53	2.48	0.38	1,691
29	18	5.99	5.39	0.90	1,264	5.74	5.16	0.90	1,327	5.51	4.96	0.90	1,390	5.30	4.77	0.90	1,454
29	20	6.25	4.87	0.78	1,327	5.99	4.67	0.78	1,406	5.81	4.53	0.78	1,438	5.61	4.38	0.78	1,501
29	22	6.50	4.29	0.66	1,375	6.27	4.14	0.66	1,462	6.12	4.04	0.66	1,501	5.87	3.87	0.66	1,564
29	24	6.83	3.69	0.54	1,438	6.58	3.55	0.54	1,517	6.43	3.47	0.54	1,564	6.22	3.36	0.54	1,643
29	26	7.04	2.96	0.42	1,517	6.83	2.87	0.42	1,596	6.73	2.83	0.42	1,643	6.53	2.74	0.42	1,691
30	18	5.99	5.63	0.94	1,264	5.74	5.39	0.94	1,327	5.51	5.18	0.94	1,390	5.30	4.99	0.94	1,454
30	20	6.25	5.12	0.82	1,327	5.99	4.91	0.82	1,406	5.81	4.77	0.82	1,438	5.61	4.60	0.82	1,501
30	22	6.50	4.55	0.70	1,375	6.27	4.39	0.70	1,462	6.12	4.28	0.70	1,501	5.87	4.11	0.70	1,564
30	24	6.83	3.96	0.58	1,438	6.58	3.82	0.58	1,517	6.43	3.73	0.58	1,564	6.22	3.61	0.58	1,643
30	26	7.04	3.24	0.46	1,517	6.83	3.14	0.46	1,596	6.73	3.10	0.46	1,643	6.53	3.00	0.46	1,691
31	18	5.99	5.87	0.98	1,264	5.74	5.62	0.98	1,327	5.51	5.40	0.98	1,390	5.30	5.20	0.98	1,454
31	20	6.25	5.37	0.86	1,327	5.99	5.15	0.86	1,406	5.81	5.00	0.86	1,438	5.61	4.82	0.86	1,501
31	22	6.50	4.81	0.74	1,375	6.27	4.64	0.74	1,462	6.12	4.53	0.74	1,501	5.87	4.34	0.74	1,564
31	24	6.83	4.24	0.62	1,438	6.58	4.08	0.62	1,517	6.43	3.98	0.62	1,564	6.22	3.86	0.62	1,643
31	26	7.04	3.52	0.50	1,517	6.83	3.42	0.50	1,596	6.73	3.37	0.50	1,643	6.53	3.26	0.50	1,691
32	18	5.99	5.99	1.00	1,264	5.74	5.74	1.00	1,327	5.51	5.51	1.00	1,390	5.30	5.30	1.00	1,454
32	20	6.25	5.62	0.90	1,327	5.99	5.39	0.90	1,406	5.81	5.23	0.90	1,438	5.61	5.05	0.90	1,501
32	22	6.50	5.07	0.78	1,375	6.27	4.89	0.78	1,462	6.12	4.77	0.78	1,501	5.87	4.57	0.78	1,564
32	24	6.83	4.51	0.66	1,438	6.58	4.34	0.66	1,517	6.43	4.24	0.66	1,564	6.22	4.11	0.66	1,643
32	26	7.04	3.80	0.54	1,517	6.83	3.69	0.54	1,596	6.73	3.64	0.54	1643	6.53	3.53	0.54	1,691

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M50DA SEZ-M50DAL / SUZ-KA50VA6
CAPACITY : 5.1(kW) INPUT : 1580(W) SHF : 0.76

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.00	2.90	0.58	1,548	4.59	2.66	0.58	1,643	4.23	2.46	0.58	1,706
21	20	5.25	2.42	0.46	1,612	4.90	2.25	0.46	1,691	4.54	2.09	0.46	1,785
22	18	5.00	3.10	0.62	1,548	4.59	2.85	0.62	1,643	4.23	2.62	0.62	1,706
22	20	5.25	2.63	0.50	1,612	4.90	2.45	0.50	1,691	4.54	2.27	0.50	1,785
22	22	5.56	2.11	0.38	1,675	5.20	1.98	0.38	1,770	4.85	1.84	0.38	1,833
23	18	5.00	3.30	0.66	1,548	4.59	3.03	0.66	1,643	4.23	2.79	0.66	1,706
23	20	5.25	2.84	0.54	1,612	4.90	2.64	0.54	1,691	4.54	2.45	0.54	1,785
23	22	5.56	2.33	0.42	1,675	5.20	2.18	0.42	1,770	4.85	2.03	0.42	1,833
24	18	5.00	3.50	0.70	1,548	4.59	3.21	0.70	1,643	4.23	2.96	0.70	1,706
24	20	5.25	3.05	0.58	1,612	4.90	2.84	0.58	1,691	4.54	2.63	0.58	1,785
24	22	5.56	2.56	0.46	1,675	5.20	2.39	0.46	1,770	4.85	2.23	0.46	1,833
24	24	5.87	1.99	0.34	1,738	5.51	1.87	0.34	1,817	5.20	1.77	0.34	1,896
25	20	5.25	3.26	0.62	1,612	4.90	3.04	0.62	1,691	4.54	2.81	0.62	1,785
25	22	5.56	2.78	0.50	1,675	5.20	2.60	0.50	1,770	4.85	2.42	0.50	1,833
25	24	5.87	2.23	0.38	1,738	5.51	2.09	0.38	1,817	5.20	1.98	0.38	1,896
26	18	5.00	3.90	0.78	1,548	4.59	3.58	0.78	1,643	4.23	3.30	0.78	1,706
26	20	5.25	3.47	0.66	1,612	4.90	3.23	0.66	1,691	4.54	3.00	0.66	1,785
26	22	5.56	3.00	0.54	1,675	5.20	2.81	0.54	1,770	4.85	2.62	0.54	1,833
26	24	5.87	2.46	0.42	1,738	5.51	2.31	0.42	1,817	5.20	2.18	0.42	1,896
26	26	6.17	1.85	0.30	1,801	5.81	1.74	0.30	1,880	5.46	1.64	0.30	1,959
27	18	5.00	4.10	0.82	1,548	4.59	3.76	0.82	1,643	4.23	3.47	0.82	1,706
27	20	5.25	3.68	0.70	1,612	4.90	3.43	0.70	1,691	4.54	3.18	0.70	1,785
27	22	5.56	3.22	0.58	1,675	5.20	3.02	0.58	1,770	4.85	2.81	0.58	1,833
27	24	5.87	2.70	0.46	1,738	5.51	2.53	0.46	1,817	5.20	2.39	0.46	1,896
27	26	6.17	2.10	0.34	1,801	5.81	1.98	0.34	1,880	5.46	1.86	0.34	1,959
28	18	5.00	4.30	0.86	1,548	4.59	3.95	0.86	1,643	4.23	3.64	0.86	1,706
28	20	5.25	3.89	0.74	1,612	4.90	3.62	0.74	1,691	4.54	3.36	0.74	1,785
28	22	5.56	3.45	0.62	1,675	5.20	3.23	0.62	1,770	4.85	3.00	0.62	1,833
28	24	5.87	2.93	0.50	1,738	5.51	2.75	0.50	1,817	5.20	2.60	0.50	1,896
28	26	6.17	2.34	0.38	1,801	5.81	2.21	0.38	1,880	5.46	2.07	0.38	1,959
29	18	5.00	4.50	0.90	1,548	4.59	4.13	0.90	1,643	4.23	3.81	0.90	1,706
29	20	5.25	4.10	0.78	1,612	4.90	3.82	0.78	1,691	4.54	3.54	0.78	1,785
29	22	5.56	3.67	0.66	1,675	5.20	3.43	0.66	1,770	4.85	3.20	0.66	1,833
29	24	5.87	3.17	0.54	1,738	5.51	2.97	0.54	1,817	5.20	2.81	0.54	1,896
29	26	6.17	2.59	0.42	1,801	5.81	2.44	0.42	1,880	5.46	2.29	0.42	1,959
30	18	5.00	4.70	0.94	1,548	4.59	4.31	0.94	1,643	4.23	3.98	0.94	1,706
30	20	5.25	4.31	0.82	1,612	4.90	4.01	0.82	1,691	4.54	3.72	0.82	1,785
30	22	5.56	3.89	0.70	1,675	5.20	3.64	0.70	1,770	4.85	3.39	0.70	1,833
30	24	5.87	3.40	0.58	1,738	5.51	3.19	0.58	1,817	5.20	3.02	0.58	1,896
30	26	6.17	2.84	0.46	1,801	5.81	2.67	0.46	1,880	5.46	2.51	0.46	1,959
31	18	5.00	4.90	0.98	1,548	4.59	4.50	0.98	1,643	4.23	4.15	0.98	1,706
31	20	5.25	4.52	0.86	1,612	4.90	4.21	0.86	1,691	4.54	3.90	0.86	1,785
31	22	5.56	4.11	0.74	1,675	5.20	3.85	0.74	1,770	4.85	3.59	0.74	1,833
31	24	5.87	3.64	0.62	1,738	5.51	3.41	0.62	1,817	5.20	3.23	0.62	1,896
31	26	6.17	3.09	0.50	1,801	5.81	2.91	0.50	1,880	5.46	2.73	0.50	1,959
32	18	5.00	5.00	1.00	1,548	4.59	4.59	1.00	1,643	4.23	4.23	1.00	1,706
32	20	5.25	4.73	0.90	1,612	4.90	4.41	0.90	1,691	4.54	4.09	0.90	1,785
32	22	5.56	4.34	0.78	1,675	5.20	4.06	0.78	1,770	4.85	3.78	0.78	1,833
32	24	5.87	3.87	0.66	1,738	5.51	3.64	0.66	1,817	5.20	3.43	0.66	1,896
32	26	6.17	3.33	0.54	1,801	5.81	3.14	0.54	1,880	5.46	2.95	0.54	1,959

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M60DA SEZ-M60DAL / SUZ-KA60VA6
CAPACITY : 5.6(kW) INPUT : 1740(W) SHF : 0.79

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6.58	4.01	0.61	1,392	6.30	3.84	0.61	1,462	6.05	3.69	0.61	1,531	5.82	3.55	0.61	1,601
21	20	6.86	3.36	0.49	1,462	6.58	3.22	0.49	1,549	6.38	3.13	0.49	1,583	6.16	3.02	0.49	1,653
22	18	6.58	4.28	0.65	1,392	6.30	4.10	0.65	1,462	6.05	3.93	0.65	1,531	5.82	3.79	0.65	1,601
22	20	6.86	3.64	0.53	1,462	6.58	3.49	0.53	1,549	6.38	3.38	0.53	1,583	6.16	3.26	0.53	1,653
22	22	7.14	2.93	0.41	1,514	6.89	2.82	0.41	1,610	6.72	2.76	0.41	1,653	6.44	2.64	0.41	1,723
23	18	6.58	4.54	0.69	1,392	6.30	4.35	0.69	1,462	6.05	4.17	0.69	1,531	5.82	4.02	0.69	1,601
23	20	6.86	3.91	0.57	1,462	6.58	3.75	0.57	1,549	6.38	3.64	0.57	1,583	6.16	3.51	0.57	1,653
23	22	7.14	3.21	0.45	1,514	6.89	3.10	0.45	1,610	6.72	3.02	0.45	1,653	6.44	2.90	0.45	1,723
24	18	6.58	4.80	0.73	1,392	6.30	4.60	0.73	1,462	6.05	4.42	0.73	1,531	5.82	4.25	0.73	1,601
24	20	6.86	4.18	0.61	1,462	6.58	4.01	0.61	1,549	6.38	3.89	0.61	1,583	6.16	3.76	0.61	1,653
24	22	7.14	3.50	0.49	1,514	6.89	3.38	0.49	1,610	6.72	3.29	0.49	1,653	6.44	3.16	0.49	1,723
24	24	7.50	2.78	0.37	1,583	7.22	2.67	0.37	1,670	7.06	2.61	0.37	1,723	6.83	2.53	0.37	1,810
25	20	6.86	4.46	0.65	1,462	6.58	4.28	0.65	1,549	6.38	4.15	0.65	1,583	6.16	4.00	0.65	1,653
25	22	7.14	3.78	0.53	1,514	6.89	3.65	0.53	1,610	6.72	3.56	0.53	1,653	6.44	3.41	0.53	1,723
25	24	7.50	3.08	0.41	1,583	7.22	2.96	0.41	1,670	7.06	2.89	0.41	1,723	6.83	2.80	0.41	1,810
26	18	6.58	5.33	0.81	1,392	6.30	5.10	0.81	1,462	6.05	4.90	0.81	1,531	5.82	4.72	0.81	1,601
26	20	6.86	4.73	0.69	1,462	6.58	4.54	0.69	1,549	6.38	4.40	0.69	1,583	6.16	4.25	0.69	1,653
26	22	7.14	4.07	0.57	1,514	6.89	3.93	0.57	1,610	6.72	3.83	0.57	1,653	6.44	3.67	0.57	1,723
26	24	7.50	3.38	0.45	1,583	7.22	3.25	0.45	1,670	7.06	3.18	0.45	1,723	6.83	3.07	0.45	1,810
26	26	7.73	2.55	0.33	1,670	7.50	2.48	0.33	1,757	7.39	2.44	0.33	1,810	7.17	2.37	0.33	1,862
27	18	6.58	5.59	0.85	1,392	6.30	5.36	0.85	1,462	6.05	5.14	0.85	1,531	5.82	4.95	0.85	1,601
27	20	6.86	5.01	0.73	1,462	6.58	4.80	0.73	1,549	6.38	4.66	0.73	1,583	6.16	4.50	0.73	1,653
27	22	7.14	4.36	0.61	1,514	6.89	4.20	0.61	1,610	6.72	4.10	0.61	1,653	6.44	3.93	0.61	1,723
27	24	7.50	3.68	0.49	1,583	7.22	3.54	0.49	1,670	7.06	3.46	0.49	1,723	6.83	3.35	0.49	1,810
27	26	7.73	2.86	0.37	1,670	7.50	2.78	0.37	1,757	7.39	2.74	0.37	1,810	7.17	2.65	0.37	1,862
28	18	6.58	5.86	0.89	1,392	6.30	5.61	0.89	1,462	6.05	5.38	0.89	1,531	5.82	5.18	0.89	1,601
28	20	6.86	5.28	0.77	1,462	6.58	5.07	0.77	1,549	6.38	4.92	0.77	1,583	6.16	4.74	0.77	1,653
28	22	7.14	4.64	0.65	1,514	6.89	4.48	0.65	1,610	6.72	4.37	0.65	1,653	6.44	4.19	0.65	1,723
28	24	7.50	3.98	0.53	1,583	7.22	3.83	0.53	1,670	7.06	3.74	0.53	1,723	6.83	3.62	0.53	1,810
28	26	7.73	3.17	0.41	1,670	7.50	3.08	0.41	1,757	7.39	3.03	0.41	1,810	7.17	2.94	0.41	1,862
29	18	6.58	6.12	0.93	1,392	6.30	5.86	0.93	1,462	6.05	5.62	0.93	1,531	5.82	5.42	0.93	1,601
29	20	6.86	5.56	0.81	1,462	6.58	5.33	0.81	1,549	6.38	5.17	0.81	1,583	6.16	4.99	0.81	1,653
29	22	7.14	4.93	0.69	1,514	6.89	4.75	0.69	1,610	6.72	4.64	0.69	1,653	6.44	4.44	0.69	1,723
29	24	7.50	4.28	0.57	1,583	7.22	4.12	0.57	1,670	7.06	4.02	0.57	1,723	6.83	3.89	0.57	1,810
29	26	7.73	3.48	0.45	1,670	7.50	3.38	0.45	1,757	7.39	3.33	0.45	1,810	7.17	3.23	0.45	1,862
30	18	6.58	6.38	0.97	1,392	6.30	6.11	0.97	1,462	6.05	5.87	0.97	1,531	5.82	5.65	0.97	1,601
30	20	6.86	5.83	0.85	1,462	6.58	5.59	0.85	1,549	6.38	5.43	0.85	1,583	6.16	5.24	0.85	1,653
30	22	7.14	5.21	0.73	1,514	6.89	5.03	0.73	1,610	6.72	4.91	0.73	1,653	6.44	4.70	0.73	1,723
30	24	7.50	4.58	0.61	1,583	7.22	4.41	0.61	1,670	7.06	4.30	0.61	1,723	6.83	4.17	0.61	1,810
30	26	7.73	3.79	0.49	1,670	7.50	3.68	0.49	1,757	7.39	3.62	0.49	1,810	7.17	3.51	0.49	1,862
31	18	6.58	6.58	1.00	1,392	6.30	6.30	1.00	1,462	6.05	6.05	1.00	1,531	5.82	5.82	1.00	1,601
31	20	6.86	6.11	0.89	1,462	6.58	5.86	0.89	1,549	6.38	5.68	0.89	1,583	6.16	5.48	0.89	1,653
31	22	7.14	5.50	0.77	1,514	6.89	5.30	0.77	1,610	6.72	5.17	0.77	1,653	6.44	4.96	0.77	1,723
31	24	7.50	4.88	0.65	1,583	7.22	4.70	0.65	1,670	7.06	4.59	0.65	1,723	6.83	4.44	0.65	1,810
31	26	7.73	4.10	0.53	1,670	7.50	3.98	0.53	1,757	7.39	3.92	0.53	1,810	7.17	3.80	0.53	1,862
32	18	6.58	6.58	1.00	1,392	6.30	6.30	1.00	1,462	6.05	6.05	1.00	1,531	5.82	5.82	1.00	1,601
32	20	6.86	6.38	0.93	1,462	6.58	6.12	0.93	1,549	6.38	5.94	0.93	1,583	6.16	5.73	0.93	1,653
32	22	7.14	5.78	0.81	1,514	6.89	5.58	0.81	1,610	6.72	5.44	0.81	1,653	6.44	5.22	0.81	1,723
32	24	7.50	5.18	0.69	1,583	7.22	4.98	0.69	1,670	7.06	4.87	0.69	1,723	6.83	4.71	0.69	1,810
32	26	7.73	4.40	0.57	1,670	7.50	4.28	0.57	1,757	7.39	4.21	0.57	1,810	7.17	4.09	0.57	1,862

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M60DA SEZ-M60DAL / SUZ-KA60VA6
CAPACITY : 5.6(kW) INPUT : 1740(W) SHF : 0.79

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.49	3.35	0.61	1,705	5.04	3.07	0.61	1,810	4.65	2.84	0.61	1,879
21	20	5.77	2.83	0.49	1,775	5.38	2.63	0.49	1,862	4.98	2.44	0.49	1,966
22	18	5.49	3.57	0.65	1,705	5.04	3.28	0.65	1,810	4.65	3.02	0.65	1,879
22	20	5.77	3.06	0.53	1,775	5.38	2.85	0.53	1,862	4.98	2.64	0.53	1,966
22	22	6.10	2.50	0.41	1,844	5.71	2.34	0.41	1,949	5.32	2.18	0.41	2,018
23	18	5.49	3.79	0.69	1,705	5.04	3.48	0.69	1,810	4.65	3.21	0.69	1,879
23	20	5.77	3.29	0.57	1,775	5.38	3.06	0.57	1,862	4.98	2.84	0.57	1,966
23	22	6.10	2.75	0.45	1,844	5.71	2.57	0.45	1,949	5.32	2.39	0.45	2,018
24	18	5.49	4.01	0.73	1,705	5.04	3.68	0.73	1,810	4.65	3.39	0.73	1,879
24	20	5.77	3.52	0.61	1,775	5.38	3.28	0.61	1,862	4.98	3.04	0.61	1,966
24	22	6.10	2.99	0.49	1,844	5.71	2.80	0.49	1,949	5.32	2.61	0.49	2,018
24	24	6.44	2.38	0.37	1,914	6.05	2.24	0.37	2,001	5.71	2.11	0.37	2,088
25	20	5.77	3.75	0.65	1,775	5.38	3.49	0.65	1,862	4.98	3.24	0.65	1,966
25	22	6.10	3.24	0.53	1,844	5.71	3.03	0.53	1,949	5.32	2.82	0.53	2,018
25	24	6.44	2.64	0.41	1,914	6.05	2.48	0.41	2,001	5.71	2.34	0.41	2,088
26	18	5.49	4.45	0.81	1,705	5.04	4.08	0.81	1,810	4.65	3.76	0.81	1,879
26	20	5.77	3.98	0.69	1,775	5.38	3.71	0.69	1,862	4.98	3.44	0.69	1,966
26	22	6.10	3.48	0.57	1,844	5.71	3.26	0.57	1,949	5.32	3.03	0.57	2,018
26	24	6.44	2.90	0.45	1,914	6.05	2.72	0.45	2,001	5.71	2.57	0.45	2,088
26	26	6.78	2.24	0.33	1,984	6.38	2.11	0.33	2,071	5.99	1.98	0.33	2,158
27	18	5.49	4.66	0.85	1,705	5.04	4.28	0.85	1,810	4.65	3.95	0.85	1,879
27	20	5.77	4.21	0.73	1,775	5.38	3.92	0.73	1,862	4.98	3.64	0.73	1,966
27	22	6.10	3.72	0.61	1,844	5.71	3.48	0.61	1,949	5.32	3.25	0.61	2,018
27	24	6.44	3.16	0.49	1,914	6.05	2.96	0.49	2,001	5.71	2.80	0.49	2,088
27	26	6.78	2.51	0.37	1,984	6.38	2.36	0.37	2,071	5.99	2.22	0.37	2,158
28	18	5.49	4.88	0.89	1,705	5.04	4.49	0.89	1,810	4.65	4.14	0.89	1,879
28	20	5.77	4.44	0.77	1,775	5.38	4.14	0.77	1,862	4.98	3.84	0.77	1,966
28	22	6.10	3.97	0.65	1,844	5.71	3.71	0.65	1,949	5.32	3.46	0.65	2,018
28	24	6.44	3.41	0.53	1,914	6.05	3.21	0.53	2,001	5.71	3.03	0.53	2,088
28	26	6.78	2.78	0.41	1,984	6.38	2.62	0.41	2,071	5.99	2.46	0.41	2,158
29	18	5.49	5.10	0.93	1,705	5.04	4.69	0.93	1,810	4.65	4.32	0.93	1,879
29	20	5.77	4.67	0.81	1,775	5.38	4.35	0.81	1,862	4.98	4.04	0.81	1,966
29	22	6.10	4.21	0.69	1,844	5.71	3.94	0.69	1,949	5.32	3.67	0.69	2,018
29	24	6.44	3.67	0.57	1,914	6.05	3.45	0.57	2,001	5.71	3.26	0.57	2,088
29	26	6.78	3.05	0.45	1,984	6.38	2.87	0.45	2,071	5.99	2.70	0.45	2,158
30	18	5.49	5.32	0.97	1,705	5.04	4.89	0.97	1,810	4.65	4.51	0.97	1,879
30	20	5.77	4.90	0.85	1,775	5.38	4.57	0.85	1,862	4.98	4.24	0.85	1,966
30	22	6.10	4.46	0.73	1,844	5.71	4.17	0.73	1,949	5.32	3.88	0.73	2,018
30	24	6.44	3.93	0.61	1,914	6.05	3.69	0.61	2,001	5.71	3.48	0.61	2,088
30	26	6.78	3.32	0.49	1,984	6.38	3.13	0.49	2,071	5.99	2.94	0.49	2,158
31	18	5.49	5.49	1.00	1,705	5.04	5.04	1.00	1,810	4.65	4.65	1.00	1,879
31	20	5.77	5.13	0.89	1,775	5.38	4.78	0.89	1,862	4.98	4.44	0.89	1,966
31	22	6.10	4.70	0.77	1,844	5.71	4.40	0.77	1,949	5.32	4.10	0.77	2,018
31	24	6.44	4.19	0.65	1,914	6.05	3.93	0.65	2,001	5.71	3.71	0.65	2,088
31	26	6.78	3.59	0.53	1,984	6.38	3.38	0.53	2,071	5.99	3.18	0.53	2,158
32	18	5.49	5.49	1.00	1,705	5.04	5.04	1.00	1,810	4.65	4.65	1.00	1,879
32	20	5.77	5.36	0.93	1,775	5.38	5.00	0.93	1,862	4.98	4.64	0.93	1,966
32	22	6.10	4.94	0.81	1,844	5.71	4.63	0.81	1,949	5.32	4.31	0.81	2,018
32	24	6.44	4.44	0.69	1,914	6.05	4.17	0.69	2,001	5.71	3.94	0.69	2,088
32	26	6.78	3.86	0.57	1,984	6.38	3.64	0.57	2,071	5.99	3.42	0.57	2,158

Note: Q : Total capacity (kW)
SHC : Sensible heat capacity (kW)
SHF : Sensible heat factor
INPUT : Total power input (W)
D.B.: Dry-bulb temperature
W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M71DA SEZ-M71DAL / SUZ-KA71VA6
CAPACITY : 7.1(kW) INPUT : 2210(W) SHF : 0.74

		OUTDOOR DB(℃)															
INDOOR	INDOOR	21				25				27				30			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8.34	4.67	0.56	1,768	7.99	4.47	0.56	1,856	7.67	4.29	0.56	1,945	7.38	4.14	0.56	2,033
21	20	8.70	3.83	0.44	1,856	8.34	3.67	0.44	1,967	8.09	3.56	0.44	2,011	7.81	3.44	0.44	2,100
22	18	8.34	5.01	0.60	1,768	7.99	4.79	0.60	1,856	7.67	4.60	0.60	1,945	7.38	4.43	0.60	2,033
22	20	8.70	4.17	0.48	1,856	8.34	4.00	0.48	1,967	8.09	3.89	0.48	2,011	7.81	3.75	0.48	2,100
22	22	9.05	3.26	0.36	1,923	8.73	3.14	0.36	2,044	8.52	3.07	0.36	2,100	8.17	2.94	0.36	2,188
23	18	8.34	5.34	0.64	1,768	7.99	5.11	0.64	1,856	7.67	4.91	0.64	1,945	7.38	4.73	0.64	2,033
23	20	8.70	4.52	0.52	1,856	8.34	4.34	0.52	1,967	8.09	4.21	0.52	2,011	7.81	4.06	0.52	2,100
23	22	9.05	3.62	0.40	1,923	8.73	3.49	0.40	2,044	8.52	3.41	0.40	2,100	8.17	3.27	0.40	2,188
24	18	8.34	5.67	0.68	1,768	7.99	5.43	0.68	1,856	7.67	5.21	0.68	1,945	7.38	5.02	0.68	2,033
24	20	8.70	4.87	0.56	1,856	8.34	4.67	0.56	1,967	8.09	4.53	0.56	2,011	7.81	4.37	0.56	2,100
24	22	9.05	3.98	0.44	1,923	8.73	3.84	0.44	2,044	8.52	3.75	0.44	2,100	8.17	3.59	0.44	2,188
24	24	9.51	3.04	0.32	2,011	9.16	2.93	0.32	2,122	8.95	2.86	0.32	2,188	8.66	2.77	0.32	2,298
25	20	8.70	5.22	0.60	1,856	8.34	5.01	0.60	1,967	8.09	4.86	0.60	2,011	7.81	4.69	0.60	2,100
25	22	9.05	4.35	0.48	1,923	8.73	4.19	0.48	2,044	8.52	4.09	0.48	2,100	8.17	3.92	0.48	2,188
25	24	9.51	3.43	0.36	2,011	9.16	3.30	0.36	2,122	8.95	3.22	0.36	2,188	8.66	3.12	0.36	2,298
26	18	8.34	6.34	0.76	1,768	7.99	6.07	0.76	1,856	7.67	5.83	0.76	1,945	7.38	5.61	0.76	2,033
26	20	8.70	5.57	0.64	1,856	8.34	5.34	0.64	1,967	8.09	5.18	0.64	2,011	7.81	5.00	0.64	2,100
26	22	9.05	4.71	0.52	1,923	8.73	4.54	0.52	2,044	8.52	4.43	0.52	2,100	8.17	4.25	0.52	2,188
26	24	9.51	3.81	0.40	2,011	9.16	3.66	0.40	2,122	8.95	3.58	0.40	2,188	8.66	3.46	0.40	2,298
26	26	9.80	2.74	0.28	2,122	9.51	2.66	0.28	2,232	9.37	2.62	0.28	2,298	9.09	2.54	0.28	2,365
27	18	8.34	6.67	0.80	1,768	7.99	6.39	0.80	1,856	7.67	6.13	0.80	1,945	7.38	5.91	0.80	2,033
27	20	8.70	5.91	0.68	1,856	8.34	5.67	0.68	1,967	8.09	5.50	0.68	2,011	7.81	5.31	0.68	2,100
27	22	9.05	5.07	0.56	1,923	8.73	4.89	0.56	2,044	8.52	4.77	0.56	2,100	8.17	4.57	0.56	2,188
27	24	9.51	4.19	0.44	2,011	9.16	4.03	0.44	2,122	8.95	3.94	0.44	2,188	8.66	3.81	0.44	2,298
27	26	9.80	3.14	0.32	2,122	9.51	3.04	0.32	2,232	9.37	3.00	0.32	2,298	9.09	2.91	0.32	2,365
28	18	8.34	7.01	0.84	1,768	7.99	6.71	0.84	1,856	7.67	6.44	0.84	1,945	7.38	6.20	0.84	2,033
28	20	8.70	6.26	0.72	1,856	8.34	6.01	0.72	1,967	8.09	5.83	0.72	2,011	7.81	5.62	0.72	2,100
28	22	9.05	5.43	0.60	1,923	8.73	5.24	0.60	2,044	8.52	5.11	0.60	2,100	8.17	4.90	0.60	2,188
28	24	9.51	4.57	0.48	2,011	9.16	4.40	0.48	2,122	8.95	4.29	0.48	2,188	8.66	4.16	0.48	2,298
28	26	9.80	3.53	0.36	2,122	9.51	3.43	0.36	2,232	9.37	3.37	0.36	2,298	9.09	3.27	0.36	2,365
29	18	8.34	7.34	0.88	1,768	7.99	7.03	0.88	1,856	7.67	6.75	0.88	1,945	7.38	6.50	0.88	2,033
29	20	8.70	6.61	0.76	1,856	8.34	6.34	0.76	1,967	8.09	6.15	0.76	2,011	7.81	5.94	0.76	2,100
29	22	9.05	5.79	0.64	1,923	8.73	5.59	0.64	2,044	8.52	5.45	0.64	2,100	8.17	5.23	0.64	2,188
29	24	9.51	4.95	0.52	2,011	9.16	4.76	0.52	2,122	8.95	4.65	0.52	2,188	8.66	4.50	0.52	2,298
29	26	9.80	3.92	0.40	2,122	9.51	3.81	0.40	2,232	9.37	3.75	0.40	2,298	9.09	3.64	0.40	2,365
30	18	8.34	7.68	0.92	1,768	7.99	7.35	0.92	1,856	7.67	7.05	0.92	1,945	7.38	6.79	0.92	2,033
30	20	8.70	6.96	0.80	1,856	8.34	6.67	0.80	1,967	8.09	6.48	0.80	2,011	7.81	6.25	0.80	2,100
30	22	9.05	6.16	0.68	1,923	8.73	5.94	0.68	2,044	8.52	5.79	0.68	2,100	8.17	5.55	0.68	2,188
30	24	9.51	5.33	0.56	2,011	9.16	5.13	0.56	2,122	8.95	5.01	0.56	2,188	8.66	4.85	0.56	2,298
30	26	9.80	4.31	0.44	2,122	9.51	4.19	0.44	2,232	9.37	4.12	0.44	2,298	9.09	4.00	0.44	2,365
31	18	8.34	8.01	0.96	1,768	7.99	7.67	0.96	1,856	7.67	7.36	0.96	1,945	7.38	7.09	0.96	2,033
31	20	8.70	7.31	0.84	1,856	8.34	7.01	0.84	1,967	8.09	6.80	0.84	2,011	7.81	6.56	0.84	2,100
31	22	9.05	6.52	0.72	1,923	8.73	6.29	0.72	2,044	8.52	6.13	0.72	2,100	8.17	5.88	0.72	2,188
31	24	9.51	5.71	0.60	2,011	9.16	5.50	0.60	2,122	8.95	5.37	0.60	2,188	8.66	5.20	0.60	2,298
31	26	9.80	4.70	0.48	2,122	9.51	4.57	0.48	2,232	9.37	4.50	0.48	2,298	9.09	4.36	0.48	2,365
32	18	8.34	8.34	1.00	1,768	7.99	7.99	1.00	1,856	7.67	7.67	1.00	1,945	7.38	7.38	1.00	2,033
32	20	8.70	7.65	0.88	1,856	8.34	7.34	0.88	1,967	8.09	7.12	0.88	2,011	7.81	6.87	0.88	2,100
32	22	9.05	6.88	0.76	1,923	8.73	6.64	0.76	2,044	8.52	6.48	0.76	2,100	8.17	6.21	0.76	2,188
32	24	9.51	6.09	0.64	2,011	9.16	5.86	0.64	2,122	8.95	5.73	0.64	2,188	8.66	5.54	0.64	2,298
32	26	9.80	5.09	0.52	2,122	9.51	4.95	0.52	2,232	9.37	4.87	0.52	2,298	9.09	4.73	0.52	2,365

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

COOLING operation at Rated frequency
SEZ-M71DA SEZ-M71DAL / SUZ-KA71VA6
CAPACITY : 7.1(kW) INPUT : 2210(W) SHF : 0.74

		OUTDOOR DB(℃)											
INDOOR	INDOOR	35				40				46			
DB(℃)	WB(℃)	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6.96	3.90	0.56	2,166	6.39	3.58	0.56	2,298	5.89	3.30	0.56	2,387
21	20	7.31	3.22	0.44	2,254	6.82	3.00	0.44	2,365	6.32	2.78	0.44	2,497
22	18	6.96	4.17	0.60	2,166	6.39	3.83	0.60	2,298	5.89	3.54	0.60	2,387
22	20	7.31	3.51	0.48	2,254	6.82	3.27	0.48	2,365	6.32	3.03	0.48	2,497
22	22	7.74	2.79	0.36	2,343	7.24	2.61	0.36	2,475	6.75	2.43	0.36	2,564
23	18	6.96	4.45	0.64	2,166	6.39	4.09	0.64	2,298	5.89	3.77	0.64	2,387
23	20	7.31	3.80	0.52	2,254	6.82	3.54	0.52	2,365	6.32	3.29	0.52	2,497
23	22	7.74	3.10	0.40	2,343	7.24	2.90	0.40	2,475	6.75	2.70	0.40	2,564
24	18	6.96	4.73	0.68	2,166	6.39	4.35	0.68	2,298	5.89	4.01	0.68	2,387
24	20	7.31	4.10	0.56	2,254	6.82	3.82	0.56	2,365	6.32	3.54	0.56	2,497
24	22	7.74	3.41	0.44	2,343	7.24	3.19	0.44	2,475	6.75	2.97	0.44	2,564
24	24	8.17	2.61	0.32	2,431	7.67	2.45	0.32	2,542	7.24	2.32	0.32	2,652
25	20	7.31	4.39	0.60	2,254	6.82	4.09	0.60	2,365	6.32	3.79	0.60	2,497
25	22	7.74	3.71	0.48	2,343	7.24	3.48	0.48	2,475	6.75	3.24	0.48	2,564
25	24	8.17	2.94	0.36	2,431	7.67	2.76	0.36	2,542	7.24	2.61	0.36	2,652
26	18	6.96	5.29	0.76	2,166	6.39	4.86	0.76	2,298	5.89	4.48	0.76	2,387
26	20	7.31	4.68	0.64	2,254	6.82	4.36	0.64	2,365	6.32	4.04	0.64	2,497
26	22	7.74	4.02	0.52	2,343	7.24	3.77	0.52	2,475	6.75	3.51	0.52	2,564
26	24	8.17	3.27	0.40	2,431	7.67	3.07	0.40	2,542	7.24	2.90	0.40	2,652
26	26	8.59	2.41	0.28	2,519	8.09	2.27	0.28	2,630	7.60	2.13	0.28	2,740
27	18	6.96	5.57	0.80	2,166	6.39	5.11	0.80	2,298	5.89	4.71	0.80	2,387
27	20	7.31	4.97	0.68	2,254	6.82	4.63	0.68	2,365	6.32	4.30	0.68	2,497
27	22	7.74	4.33	0.56	2,343	7.24	4.06	0.56	2,475	6.75	3.78	0.56	2,564
27	24	8.17	3.59	0.44	2,431	7.67	3.37	0.44	2,542	7.24	3.19	0.44	2,652
27	26	8.59	2.75	0.32	2,519	8.09	2.59	0.32	2,630	7.60	2.43	0.32	2,740
28	18	6.96	5.84	0.84	2,166	6.39	5.37	0.84	2,298	5.89	4.95	0.84	2,387
28	20	7.31	5.27	0.72	2,254	6.82	4.91	0.72	2,365	6.32	4.55	0.72	2,497
28	22	7.74	4.64	0.60	2,343	7.24	4.35	0.60	2,475	6.75	4.05	0.60	2,564
28	24	8.17	3.92	0.48	2,431	7.67	3.68	0.48	2,542	7.24	3.48	0.48	2,652
28	26	8.59	3.09	0.36	2,519	8.09	2.91	0.36	2,630	7.60	2.73	0.36	2,740
29	18	6.96	6.12	0.88	2,166	6.39	5.62	0.88	2,298	5.89	5.19	0.88	2,387
29	20	7.31	5.56	0.76	2,254	6.82	5.18	0.76	2,365	6.32	4.80	0.76	2,497
29	22	7.74	4.95	0.64	2,343	7.24	4.63	0.64	2,475	6.75	4.32	0.64	2,564
29	24	8.17	4.25	0.52	2,431	7.67	3.99	0.52	2,542	7.24	3.77	0.52	2,652
29	26	8.59	3.44	0.40	2,519	8.09	3.24	0.40	2,630	7.60	3.04	0.40	2,740
30	18	6.96	6.40	0.92	2,166	6.39	5.88	0.92	2,298	5.89	5.42	0.92	2,387
30	20	7.31	5.85	0.80	2,254	6.82	5.45	0.80	2,365	6.32	5.06	0.80	2,497
30	22	7.74	5.26	0.68	2,343	7.24	4.92	0.68	2,475	6.75	4.59	0.68	2,564
30	24	8.17	4.57	0.56	2,431	7.67	4.29	0.56	2,542	7.24	4.06	0.56	2,652
30	26	8.59	3.78	0.44	2,519	8.09	3.56	0.44	2,630	7.60	3.34	0.44	2,740
31	18	6.96	6.68	0.96	2,166	6.39	6.13	0.96	2,298	5.89	5.66	0.96	2,387
31	20	7.31	6.14	0.84	2,254	6.82	5.73	0.84	2,365	6.32	5.31	0.84	2,497
31	22	7.74	5.57	0.72	2,343	7.24	5.21	0.72	2,475	6.75	4.86	0.72	2,564
31	24	8.17	4.90	0.60	2,431	7.67	4.60	0.60	2,542	7.24	4.35	0.60	2,652
31	26	8.59	4.12	0.48	2,519	8.09	3.89	0.48	2,630	7.60	3.65	0.48	2,740
32	18	6.96	6.96	1.00	2,166	6.39	6.39	1.00	2,298	5.89	5.89	1.00	2,387
32	20	7.31	6.44	0.88	2,254	6.82	6.00	0.88	2,365	6.32	5.56	0.88	2,497
32	22	7.74	5.88	0.76	2,343	7.24	5.50	0.76	2,475	6.75	5.13	0.76	2,564
32	24	8.17	5.23	0.64	2,431	7.67	4.91	0.64	2,542	7.24	4.63	0.64	2,652
32	26	8.59	4.47	0.52	2,519	8.09	4.21	0.52	2,630	7.60	3.95	0.52	2,740

Note: Q : Total capacity (kW) SHF : Sensible heat factor D.B.: Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) W.B.: Wet-bulb temperature

HEATING operation

SEZ-M25DA SEZ-M25DAL / SUZ-M25VA at Rated frequency

CAPACITY : 2.9(kW) INPUT : 803(W)

	OUTDOOR WB(℃)															
INDOOR	-15		-10		-5		0		5		10		15		20	
DB(℃)	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	1.45	418	1.83	522	2.20	626	2.58	707	2.96	763	3.34	811	3.68	835	4.06	851
21	1.36	445	1.74	562	2.09	666	2.47	739	2.81	795	3.19	835	3.54	859	3.90	891
26	1.19	482	1.57	602	1.94	707	2.29	779	2.67	835	3.05	875	3.39	899	3.77	923

SEZ-M35DA SEZ-M35DAL / SUZ-M35VA at Rated frequency

CAPACITY : 4.2(kW) INPUT : 1130(W)

	OUTDOOR WB(℃)															
INDOOR	-15		-10		-5		0		5		10		15		20	
DB(℃)	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	2.10	588	2.65	735	3.19	881	3.74	994	4.28	1,074	4.83	1,141	5.33	1,175	5.88	1,198
21	1.97	626	2.52	791	3.02	938	3.57	1,040	4.07	1,119	4.62	1,175	5.12	1,209	5.65	1,254
26	1.72	678	2.27	848	2.81	994	3.32	1,096	3.86	1,175	4.41	1,232	4.91	1,266	5.46	1,300

SEZ-M50DA SEZ-M50DAL / SUZ-M50VA at Rated frequency

CAPACITY : 6.4(kW) INPUT : 1800(W)

	OUTDOOR WB(℃)															
INDOOR	-15		-10		-5		0		5		10		15		20	
DB(℃)	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	3.20	936	4.03	1,170	4.86	1,404	5.70	1,584	6.53	1,710	7.36	1,818	8.13	1,872	8.96	1,908
21	3.01	997	3.84	1,260	4.61	1,494	5.44	1,656	6.21	1,782	7.04	1,872	7.81	1,926	8.61	1,998
26	2.62	1,080	3.46	1,350	4.29	1,584	5.06	1,746	5.89	1,872	6.72	1,962	7.49	2,016	8.32	2,070

SEZ-M60DA, SEZ-M60DAL / SUZ-M60VA at Rated frequency

CAPACITY : 7.4(kW) INPUT : 2200(W)

	OUTDOOR WB(℃)															
INDOOR	-15		-10		-5		0		5		10		15		20	
DB(℃)	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	3.70	1,177	4.66	1,430	5.62	1,716	6.59	1,936	7.55	2,090	8.51	2,222	9.40	2,288	10.36	2,332
21	3.48	1,254	4.44	1,540	5.33	1,826	6.29	2,024	7.18	2,178	8.14	2,288	9.03	2,354	9.95	2,442
26	3.03	1,357	4.00	1,650	4.96	1,936	5.85	2,134	6.81	2,288	7.77	2,398	8.66	2,464	9.62	2,530

SEZ-M71DA, SEZ-M71DAL / SUZ-M71VA at Rated frequency

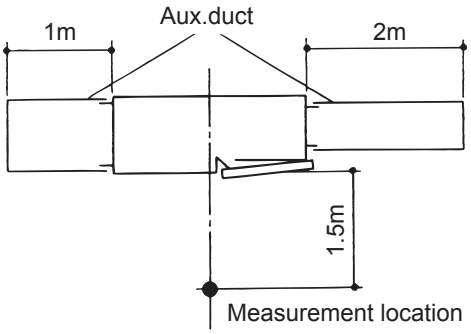
CAPACITY : 8.1(kW) INPUT : 2268(W)

	OUTDOOR WB(℃)															
INDOOR	-15		-10		-5		0		5		10		15		20	
DB(℃)	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	4.05	1,213	5.10	1,474	6.16	1,769	7.21	1,996	8.26	2,155	9.32	2,291	10.29	2,359	11.34	2,404
21	3.81	1,293	4.86	1,588	5.83	1,882	6.89	2,087	7.86	2,245	8.91	2,359	9.88	2,427	10.89	2,517
26	3.32	1,399	4.37	1,701	5.43	1,996	6.40	2,200	7.45	2,359	8.51	2,472	9.48	2,540	10.53	2,608

Note: Q : Total capacity (kW) INPUT : Total power input (W) D.B.: Dry-bulb temperature W.B.: Wet-bulb temperature

B.2.6 NOISE CRITERIA CURVES

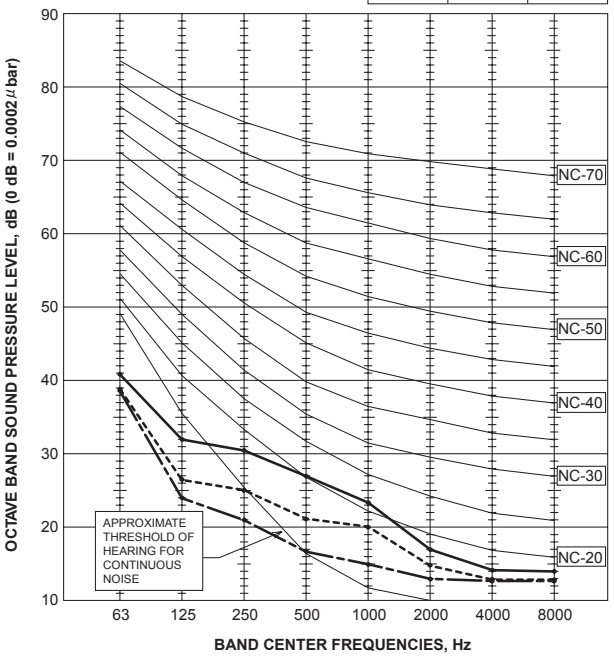
NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than the indicated level in actual use due to surrounding echoes. The sound level can be higher by about 2 dB than the indicated level during cooling and heating operation.



SEZ-M25DA
SEZ-M25DAL

External static pressure: 5Pa

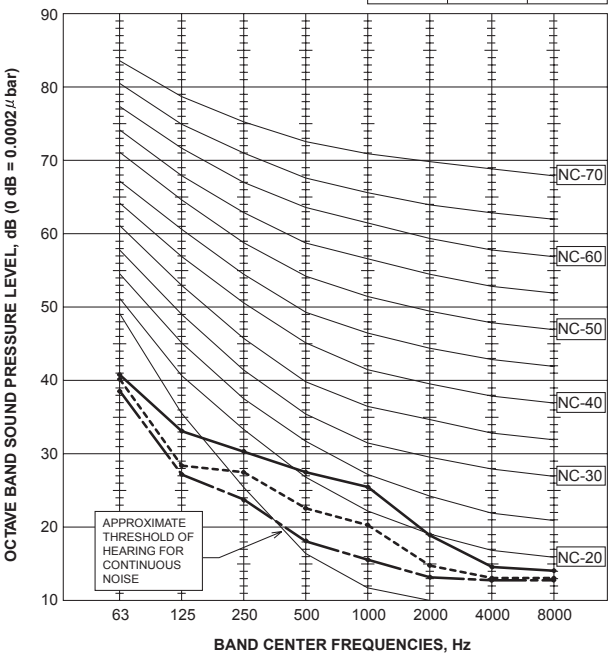
NOTCH	SPL(dB)	LINE
High	29	
Middle	25	
Low	22	



SEZ-M25DA
SEZ-M25DAL

External static pressure: 15Pa

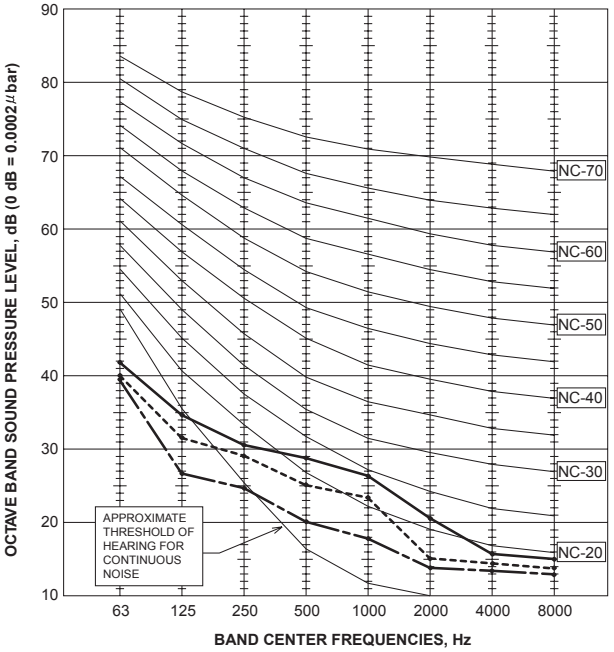
NOTCH	SPL(dB)	LINE
High	30	
Middle	26	
Low	23	



SEZ-M25DA
SEZ-M25DAL

External static pressure: 35Pa

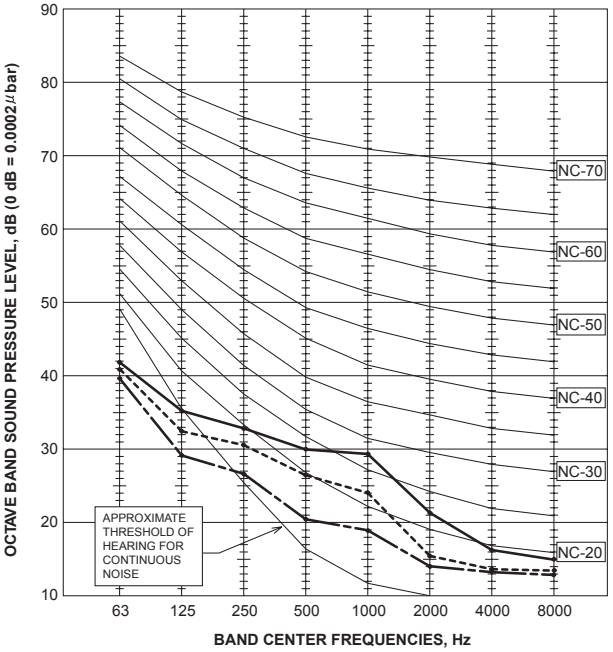
NOTCH	SPL(dB)	LINE
High	31	
Middle	28	
Low	24	



SEZ-M25DA
SEZ-M25DAL

External static pressure: 50Pa

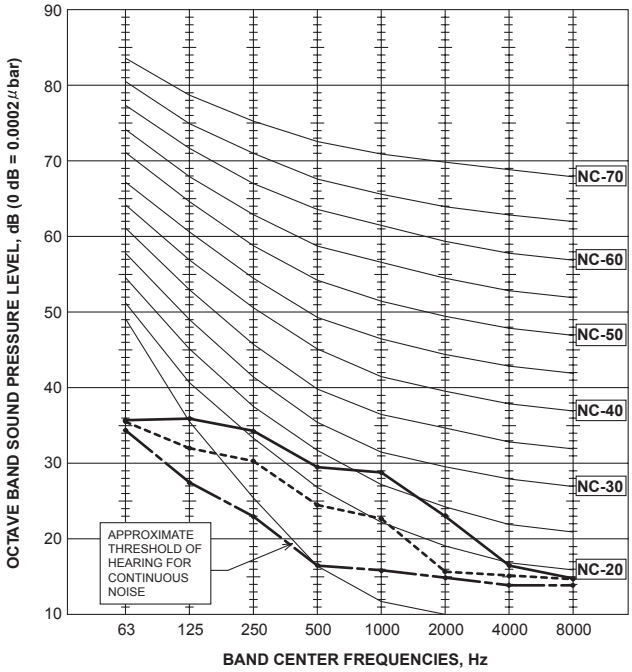
NOTCH	SPL(dB)	LINE
High	33	
Middle	29	
Low	25	



SEZ-M35DA
SEZ-M35DAL

External static pressure: 5Pa

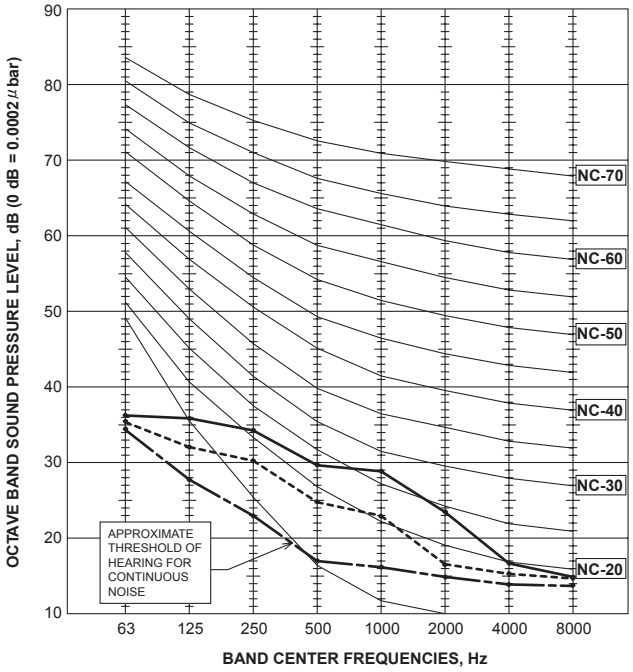
NOTCH	SPL(dB)	LINE
High	33	
Middle	28	
Low	23	



SEZ-M35DA
SEZ-M35DAL

External static pressure: 15Pa

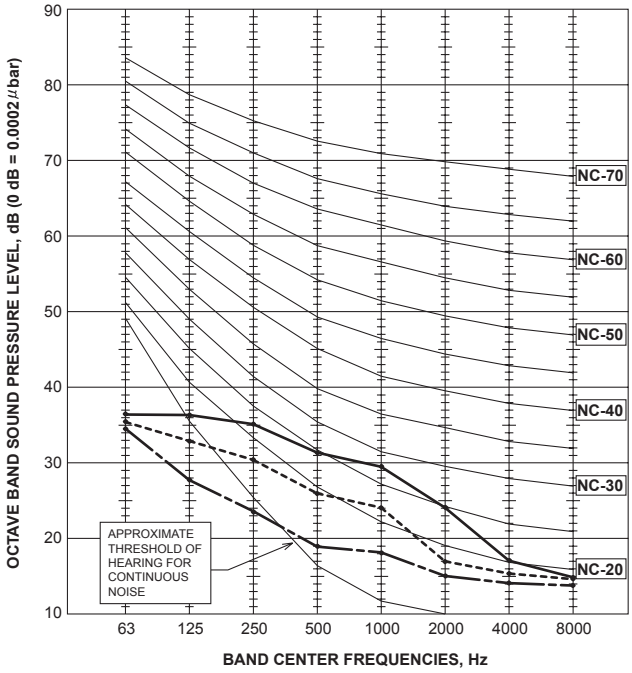
NOTCH	SPL(dB)	LINE
High	33	
Middle	28	
Low	23	



SEZ-M35DA
SEZ-M35DAL

External static pressure: 35Pa

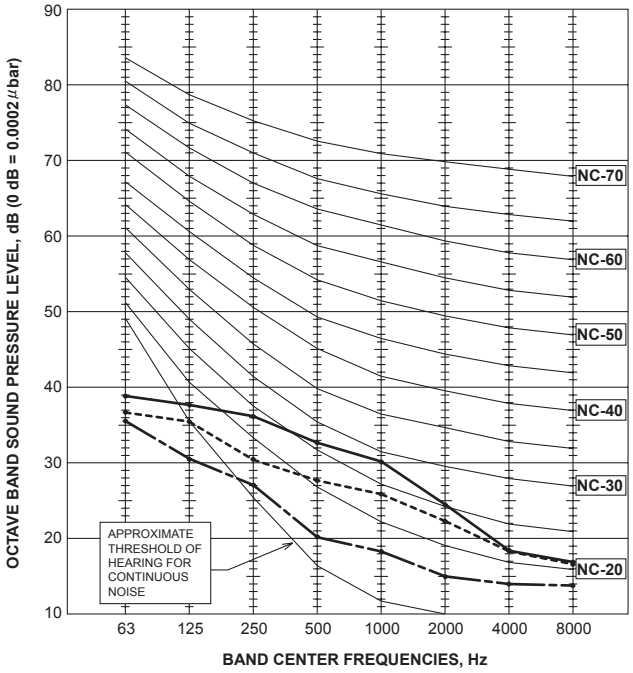
NOTCH	SPL(dB)	LINE
High	34	
Middle	29	
Low	24	



SEZ-M35DA
SEZ-M35DAL

External static pressure: 50Pa

NOTCH	SPL(dB)	LINE
High	35	
Middle	31	
Low	25	

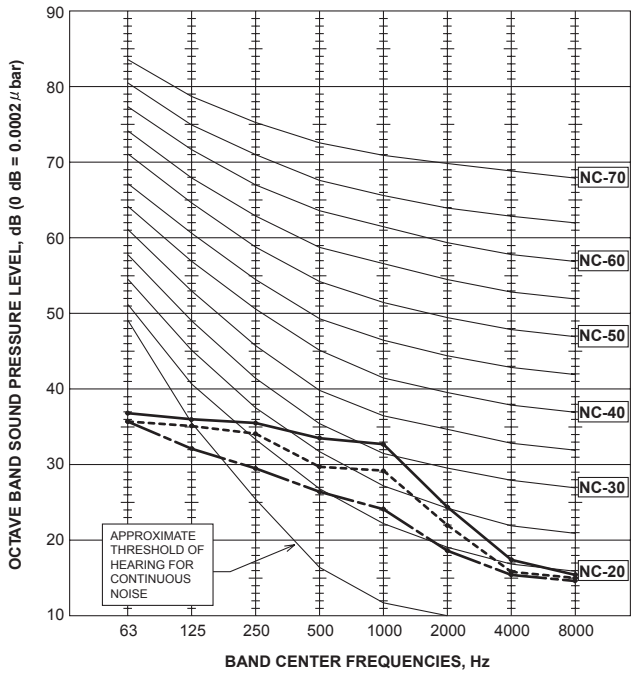


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than indicated level in actual use due to surrounding echoes. The sound level can be higher by about 2 dB than the indicated level during cooling and heating operation.

SEZ-M50DA
SEZ-M50DAL

External static pressure: 5Pa

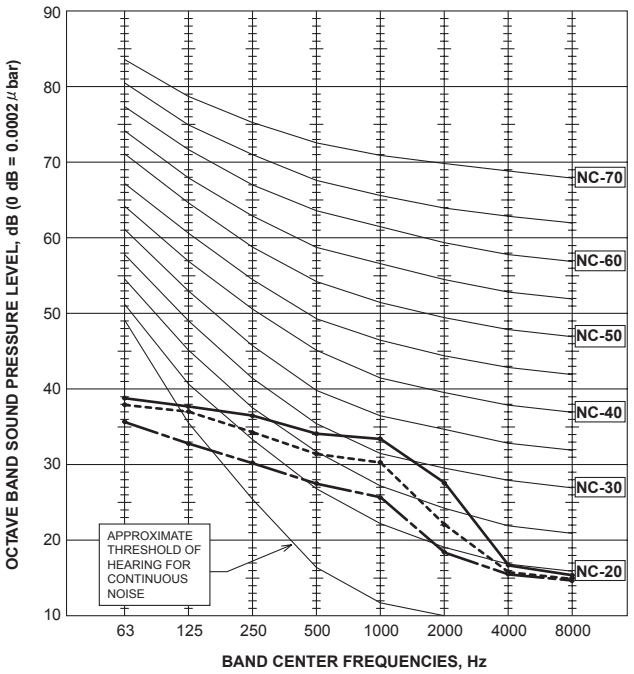
NOTCH	SPL(dB)	LINE
High	36	
Middle	33	
Low	29	



SEZ-M50DA
SEZ-M50DAL

External static pressure: 15Pa

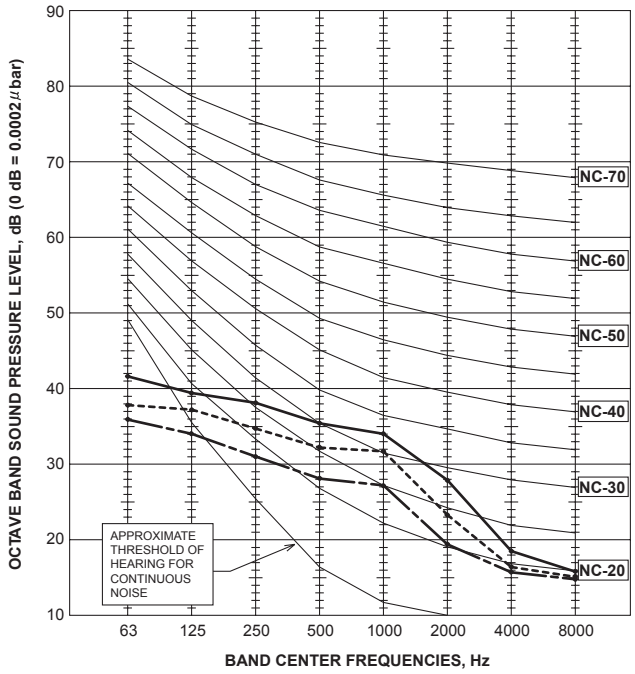
NOTCH	SPL(dB)	LINE
High	37	
Middle	34	
Low	30	



SEZ-M50DA
SEZ-M50DAL

External static pressure: 35Pa

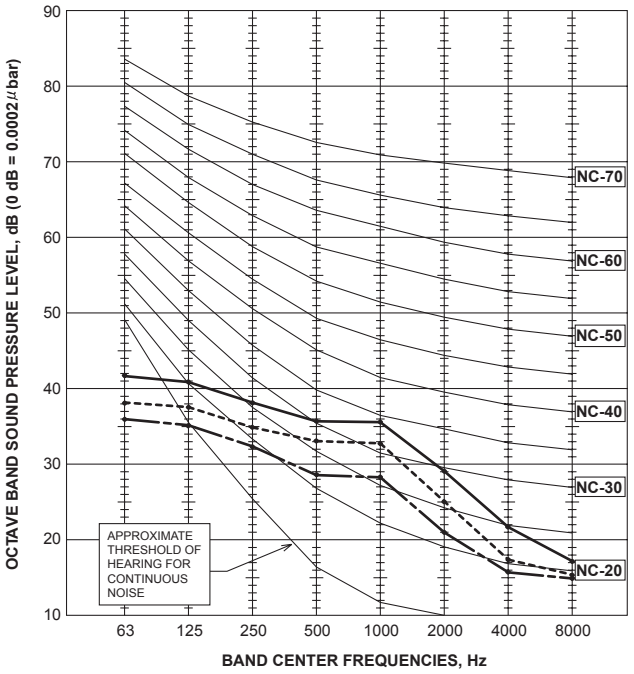
NOTCH	SPL(dB)	LINE
High	38	
Middle	35	
Low	31	



SEZ-KD50DA
SEZ-M50DAL

External static pressure: 50Pa

NOTCH	SPL(dB)	LINE
High	39	
Middle	36	
Low	32	

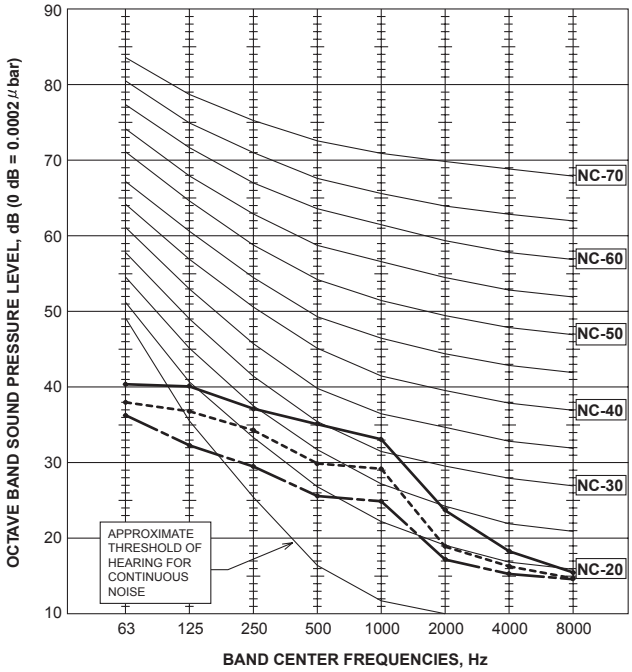


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than the indicated level in actual use due to surrounding echoes. The sound level can be highe by about 2 dB than the indicated level during cooling and heating operation.

SEZ-M60DA
SEZ-M60DAL

External static pressure: 5Pa

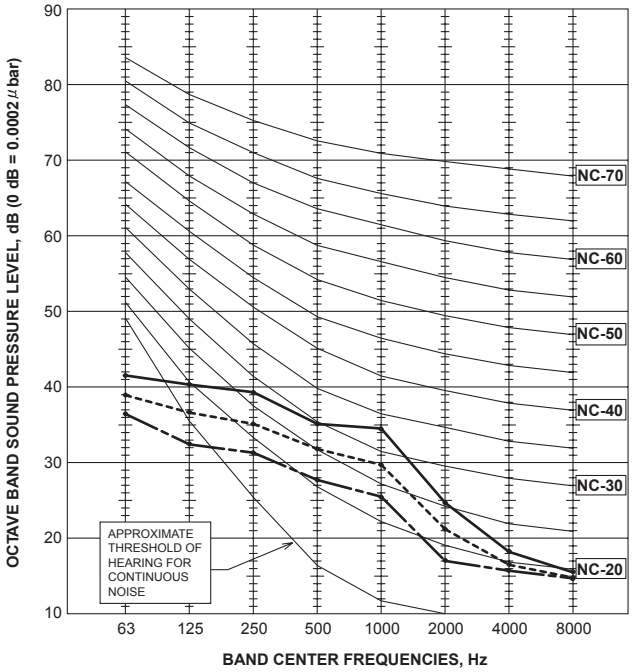
NOTCH	SPL(dB)	LINE
High	37	
Middle	33	
Low	29	



SEZ-M60DA
SEZ-M60DAL

External static pressure: 15Pa

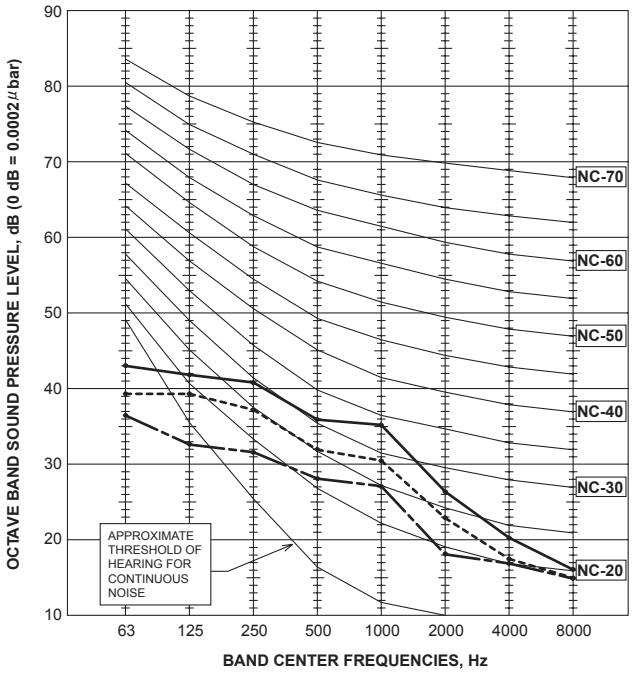
NOTCH	SPL(dB)	LINE
High	38	
Middle	34	
Low	30	



SEZ-M60DA
SEZ-M60DAL

External static pressure: 35Pa

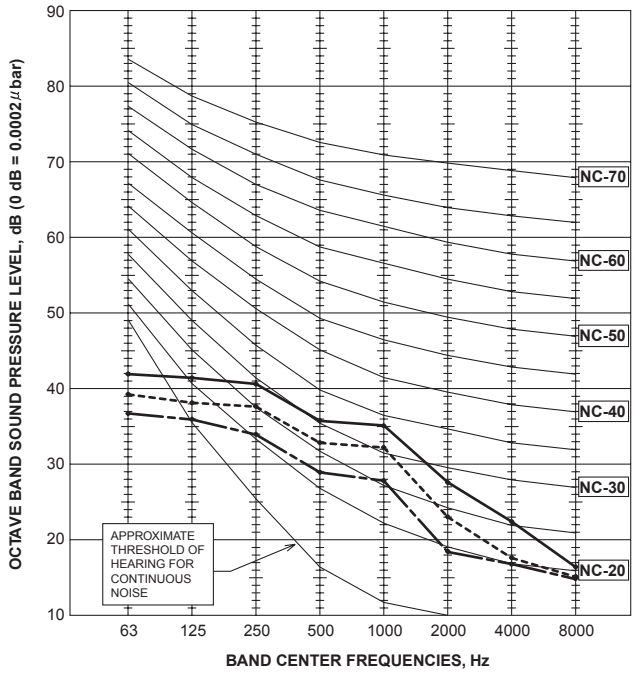
NOTCH	SPL(dB)	LINE
High	39	
Middle	35	
Low	31	



SEZ-M60DA
SEZ-M60DAL

External static pressure: 50Pa

NOTCH	SPL(dB)	LINE
High	39	
Middle	36	
Low	32	

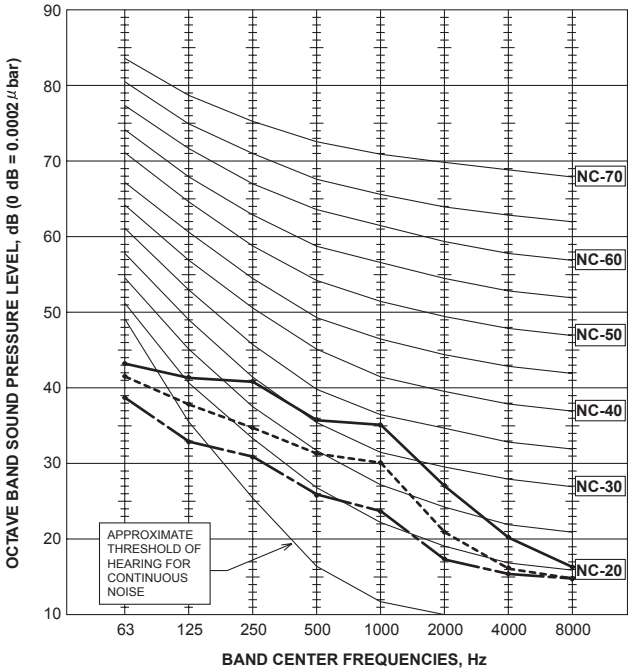


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than the indicated level in actual use due to surrounding echoes. The sound level can be highe by about 2 dB than the indicated level during cooling and heating operation.

SEZ-M71DA
SEZ-M71DAL

External static pressure: 5Pa

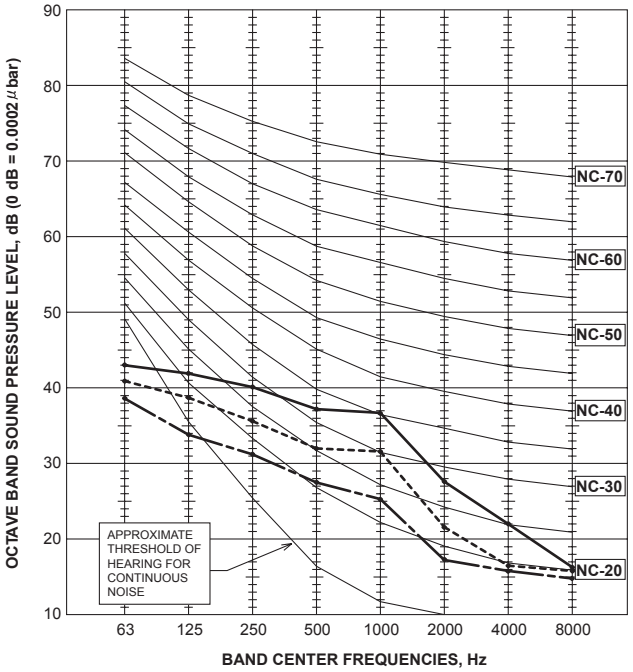
NOTCH	SPL(dB)	LINE
High	39	———
Middle	34	- - - -
Low	29	— - —



SEZ-M71DA
SEZ-M71DAL

External static pressure: 15Pa

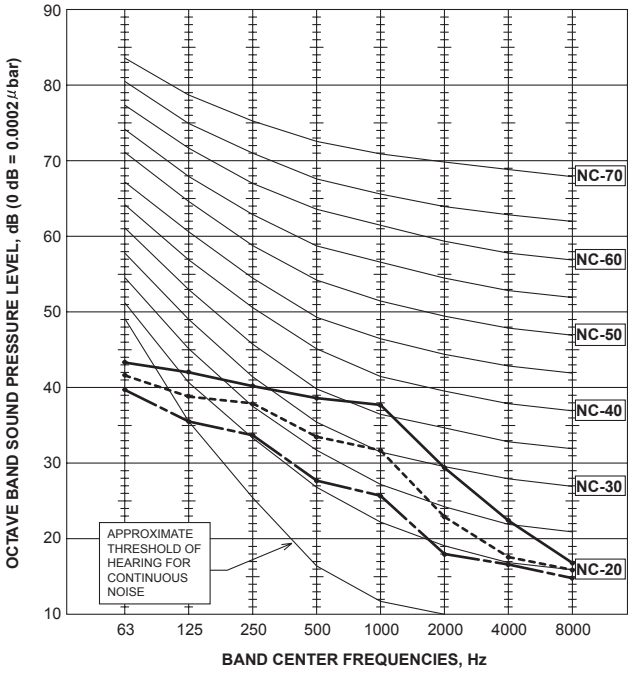
NOTCH	SPL(dB)	LINE
High	40	———
Middle	35	- - - -
Low	30	— - —



SEZ-M71DA
SEZ-M71DAL

External static pressure: 35Pa

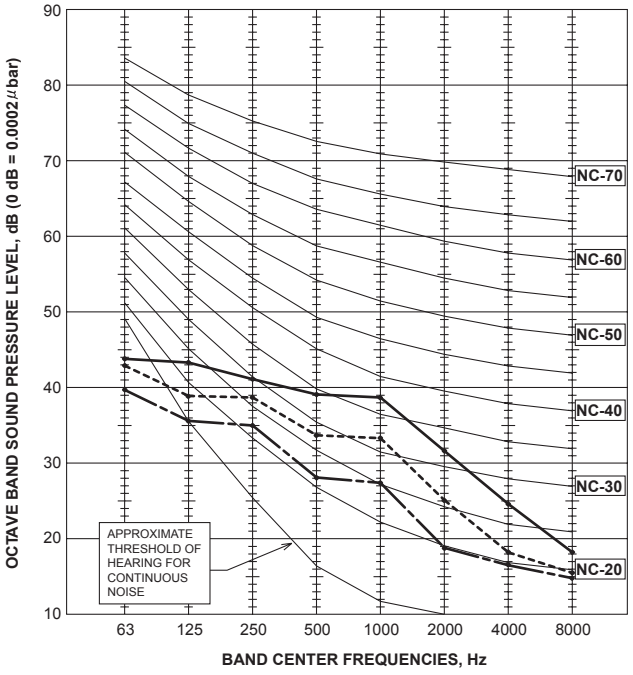
NOTCH	SPL(dB)	LINE
High	41	———
Middle	36	- - - -
Low	31	— - —



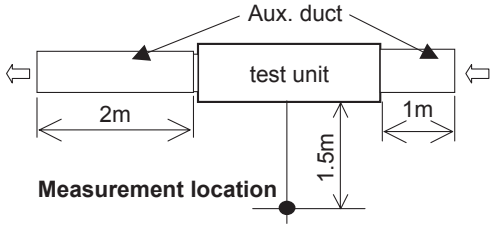
SEZ-M71DA
SEZ-M71DAL

External static pressure: 50Pa

NOTCH	SPL(dB)	LINE
High	42	———
Middle	37	- - - -
Low	32	— - —



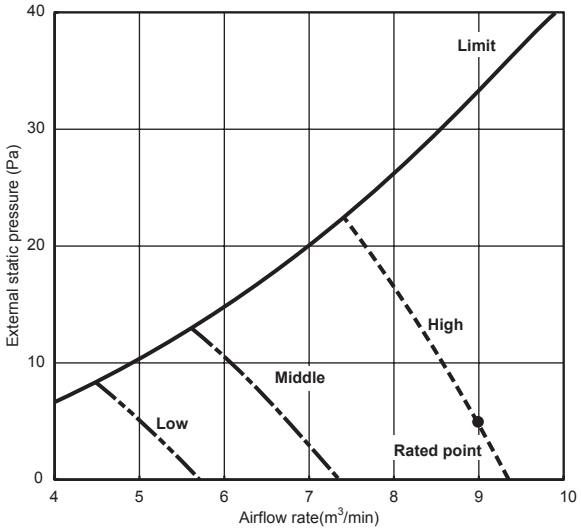
NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than the indicated level in actual use due to surrounding echoes. The sound level can be higher by about 2 dB than the indicated level during cooling and heating operation.



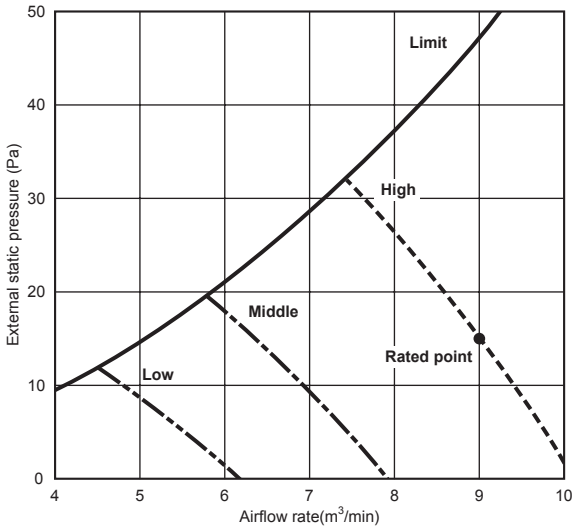
B.2.7 INDOOR FAN PERFORMANCE AND CORRECTED AIR FLOW

1. SEZ-M•DA(L)
INDOOR FAN PERFORMANCE AND CORRECTED AIR FLOW

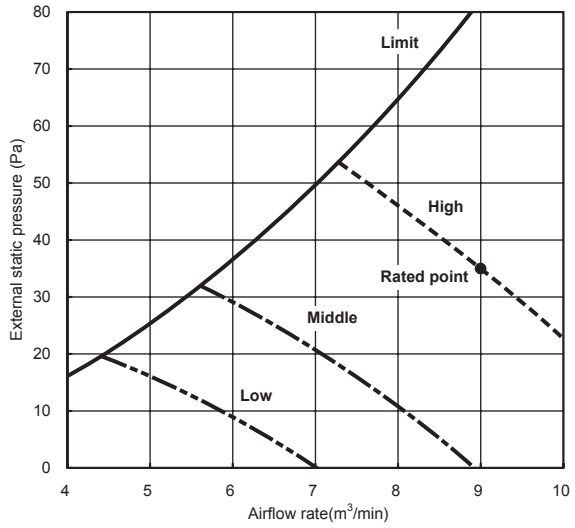
SEZ-M25DA
SEZ-M25DAL
(External static pressure 5Pa) 220-240V 50/60Hz



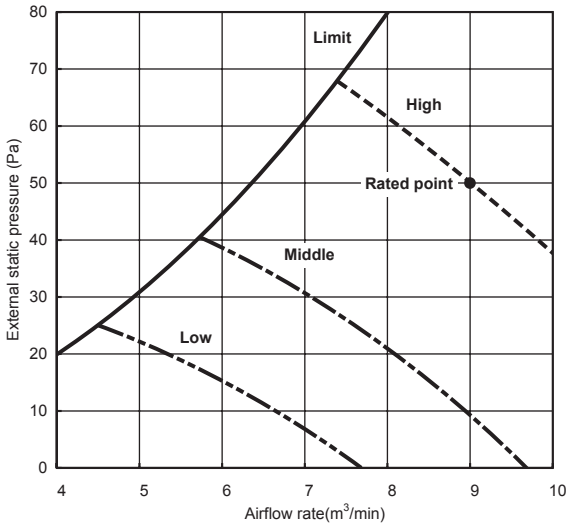
SEZ-M25DA
SEZ-M25DAL
(External static pressure 15Pa) 220-240V 50/60Hz



SEZ-M25DA
SEZ-M25DAL
(External static pressure 35Pa) 220-240V 50/60Hz

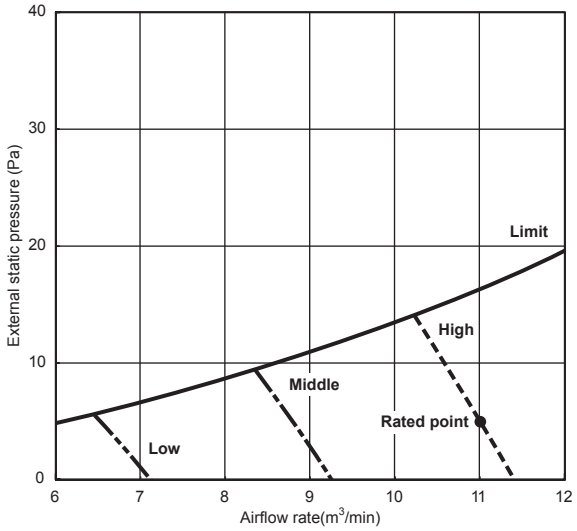


SEZ-M25DA
SEZ-M25DAL
(External static pressure 50Pa) 220-240V 50/60Hz



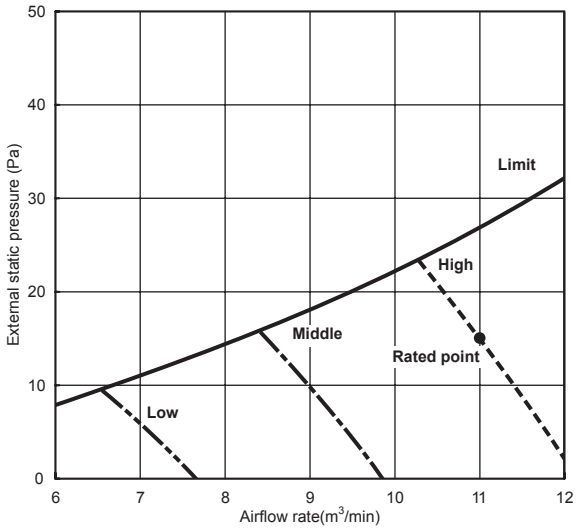
SEZ-M35DA
SEZ-M35DAL

(External static pressure 5Pa) 220-240V 50/60Hz



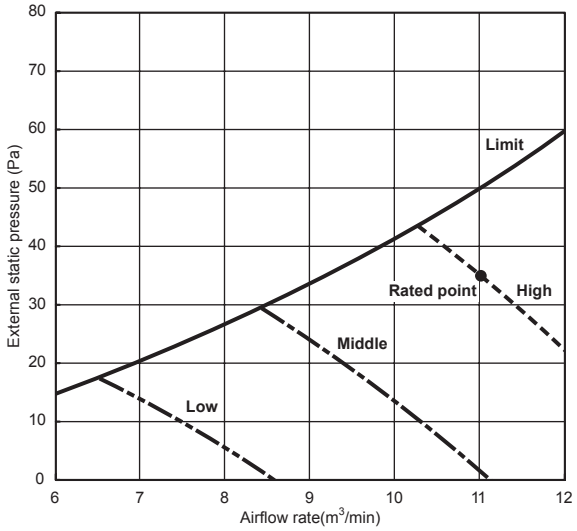
SEZ-M35DA
SEZ-M35DAL

(External static pressure 15Pa) 220-240V 50/60Hz



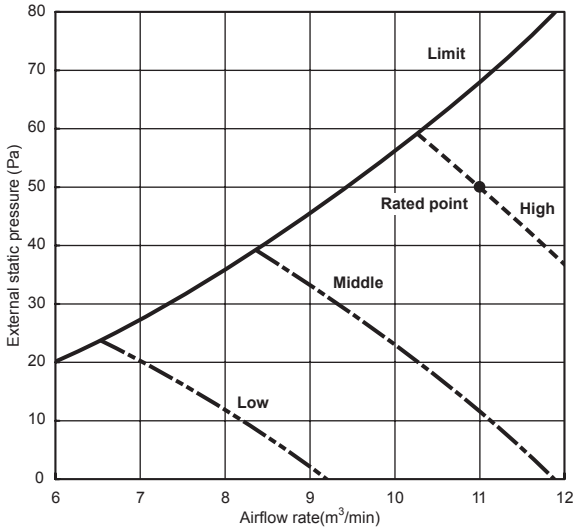
SEZ-M35DA
SEZ-M35DAL

(External static pressure 35Pa) 220-240V 50/60Hz



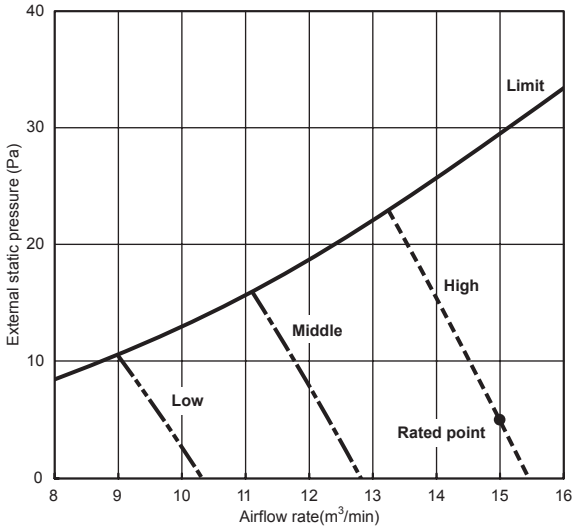
SEZ-M35DA
SEZ-M35DAL

(External static pressure 50Pa) 220-240V 50/60Hz



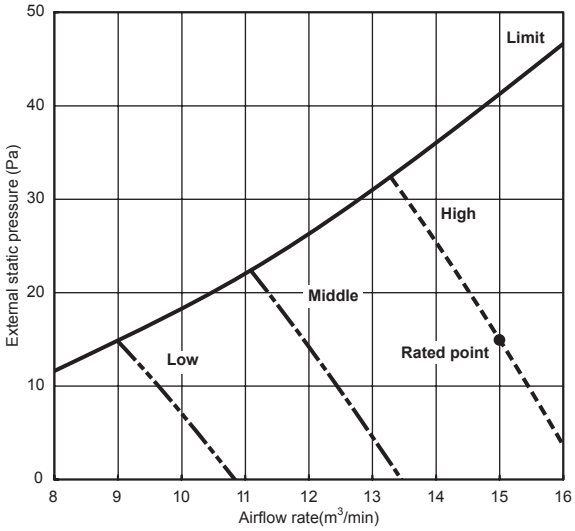
SEZ-M50DA
SEZ-M50DAL

(External static pressure 5Pa) 220-240V 50/60Hz



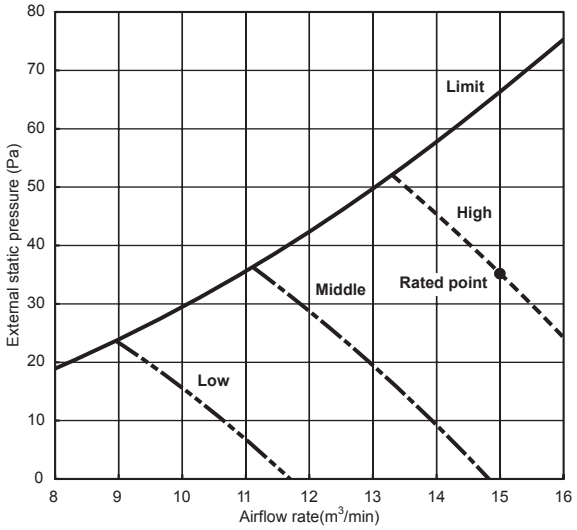
SEZ-M50DA
SEZ-M50DAL

(External static pressure 15Pa) 220-240V 50/60Hz



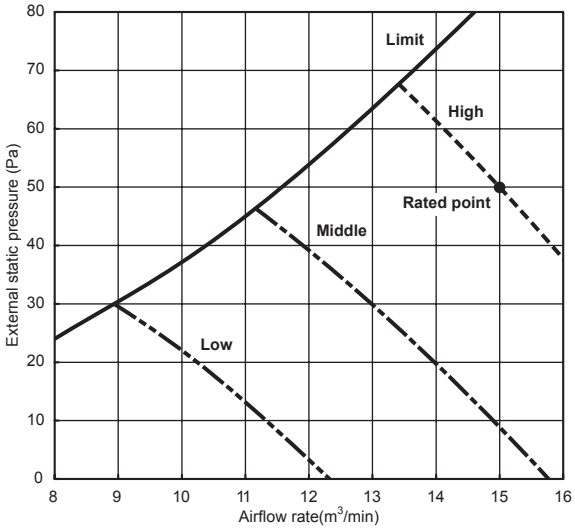
SEZ-M50DA
SEZ-M50DAL

(External static pressure 35Pa) 220-240V 50/60Hz



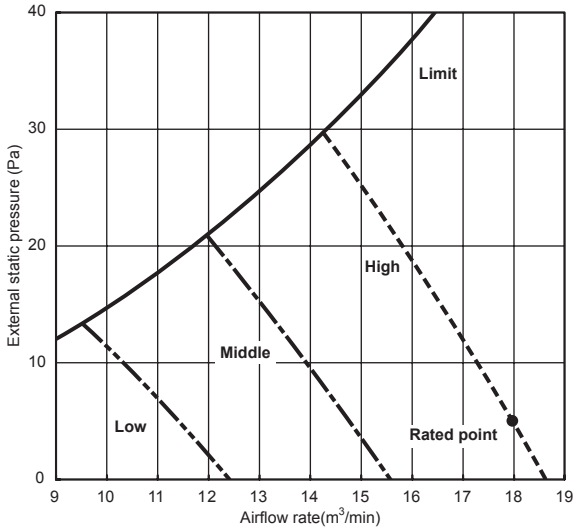
SEZ-M50DA
SEZ-M50DAL

(External static pressure 50Pa) 220-240V 50/60Hz



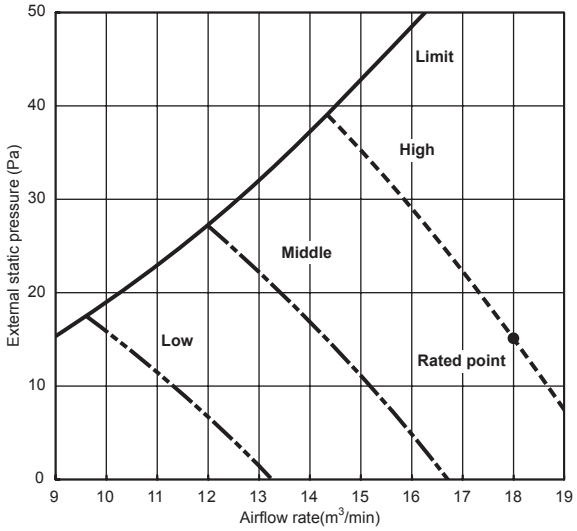
SEZ-M60DA
SEZ-M60DAL

(External static pressure 5Pa) 220-240V 50/60Hz



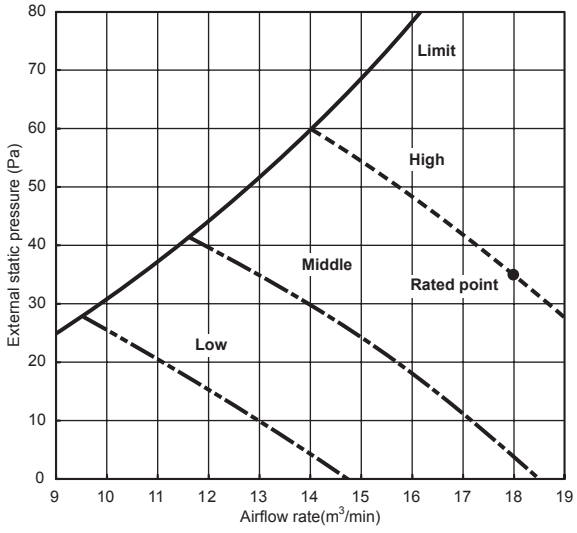
SEZ-M60DA
SEZ-M60DAL

(External static pressure 15Pa) 220-240V 50/60Hz



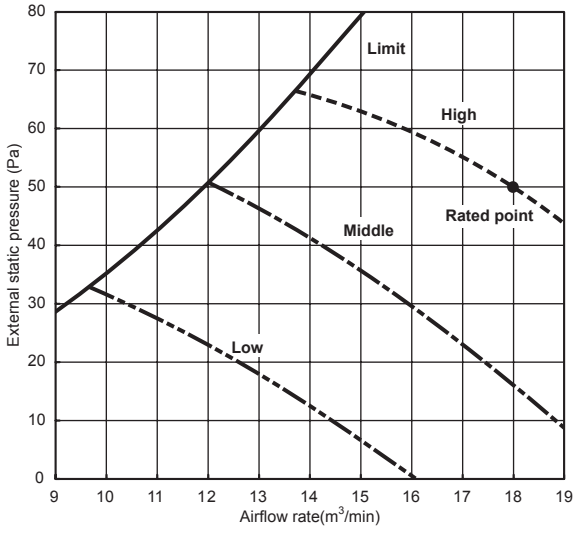
SEZ-M60DA
SEZ-M60DAL

(External static pressure 35Pa) 220-240V 50/60Hz

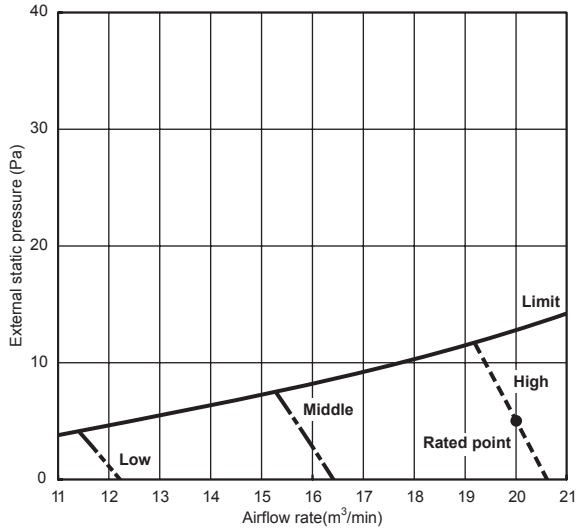


SEZ-M60DA
SEZ-M60DAL

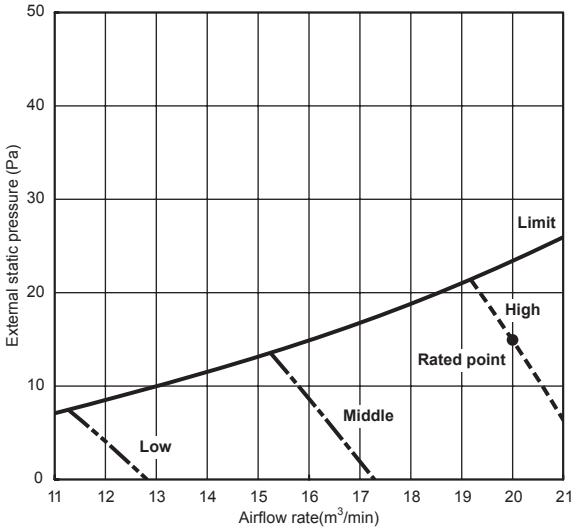
(External static pressure 50Pa) 220-240V 50/60Hz



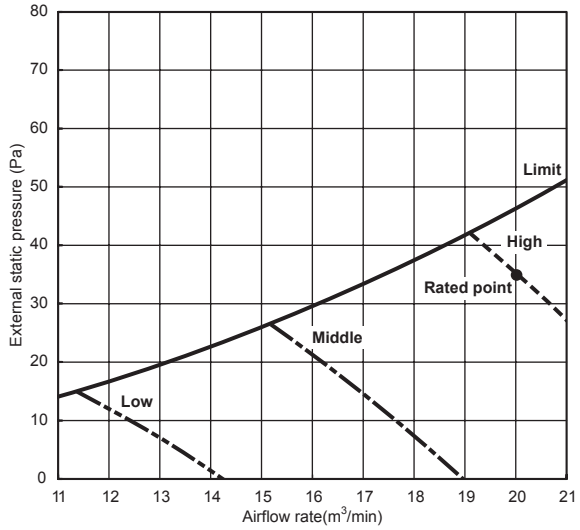
SEZ-M71DA
SEZ-M71DAL
(External static pressure 5Pa) 220-240V 50/60Hz



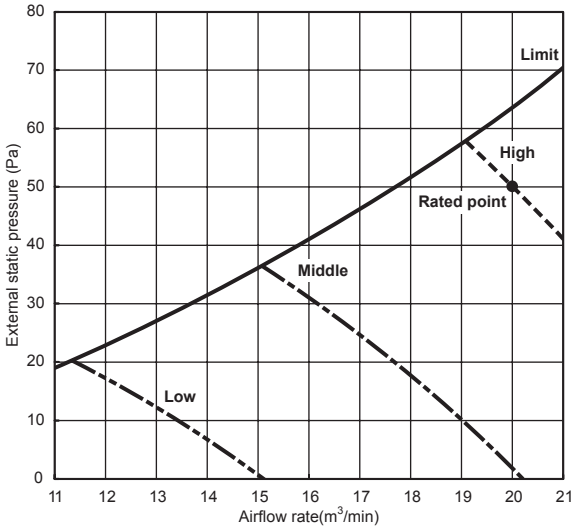
SEZ-M71DA
SEZ-M71DAL
(External static pressure 15Pa) 220-240V 50/60Hz



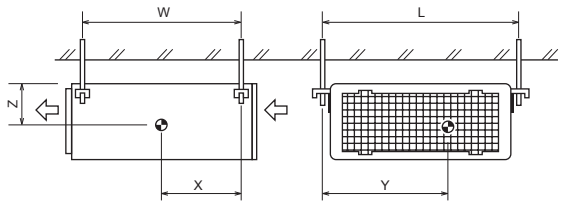
SEZ-M71DA
SEZ-M71DAL
(External static pressure 35Pa) 220-240V 50/60Hz



SEZ-M71DA
SEZ-M71DAL
(External static pressure 50Pa) 220-240V 50/60Hz



B.2.8 CENTER OF GRAVITY POSITION



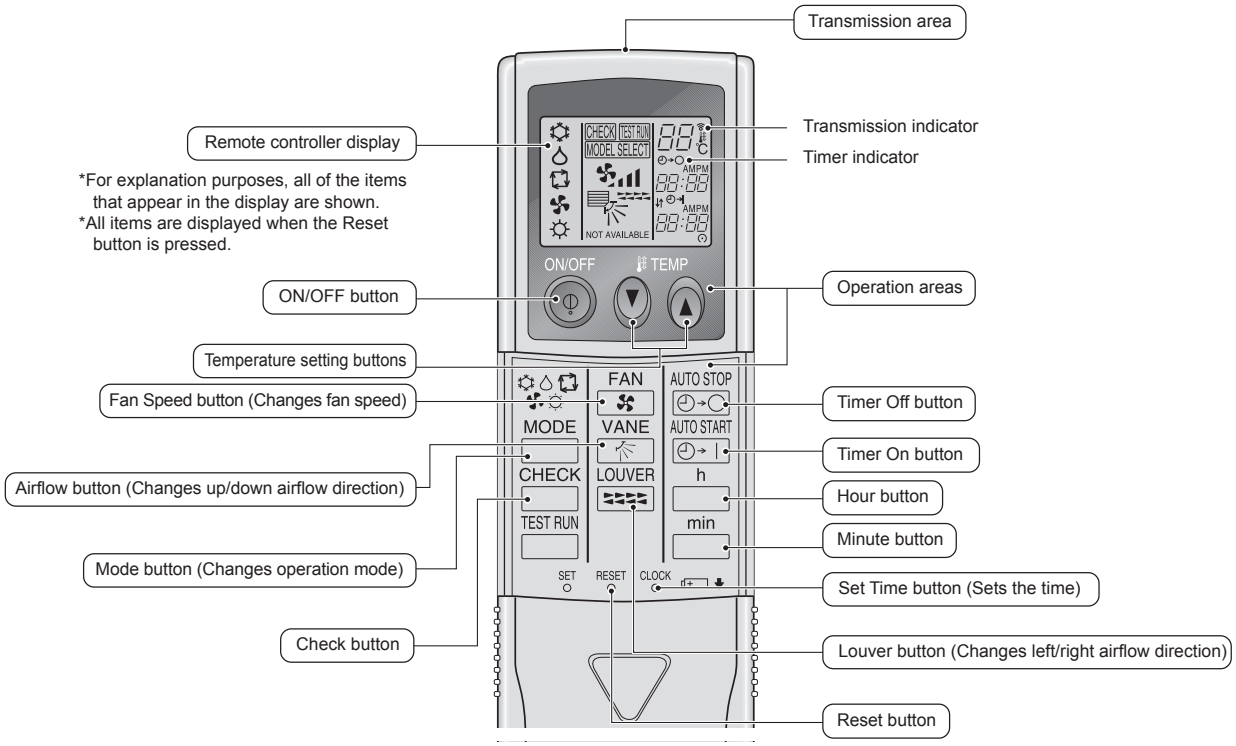
Unit: mm

Model name	W	L	X	Y	Z
SEZ-KD25	625	752	263	351	106
SEZ-KD35	625	952	286	448	104
SEZ-KD50	625	952	280	437	104
SEZ-KD60	625	1152	285	527	104
SEZ-KD71	625	1152	285	527	104

B.2.9 REMOTE CONTROLLER

B.2.9.1 WIRELESS REMOTE CONTROLLER [PAR-SL97A-E]

When cover is open



B.3 OUTDOOR UNIT (SUZ)

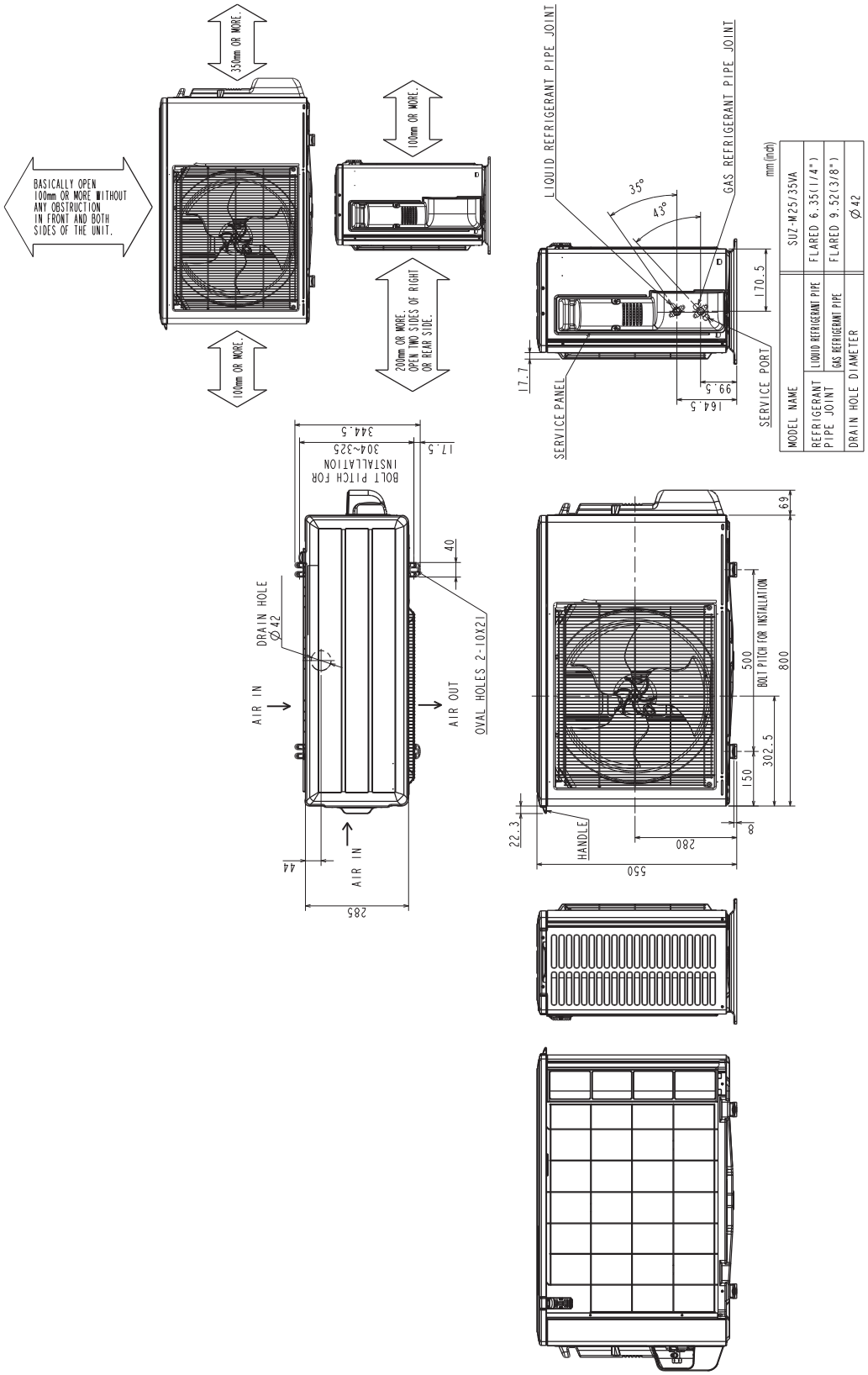
B.3.1 OUTLINES AND DIMENSIONS

B.3.1.1 R32 type

Unit : mm

SUZ-M25VA
SUZ-M35VA

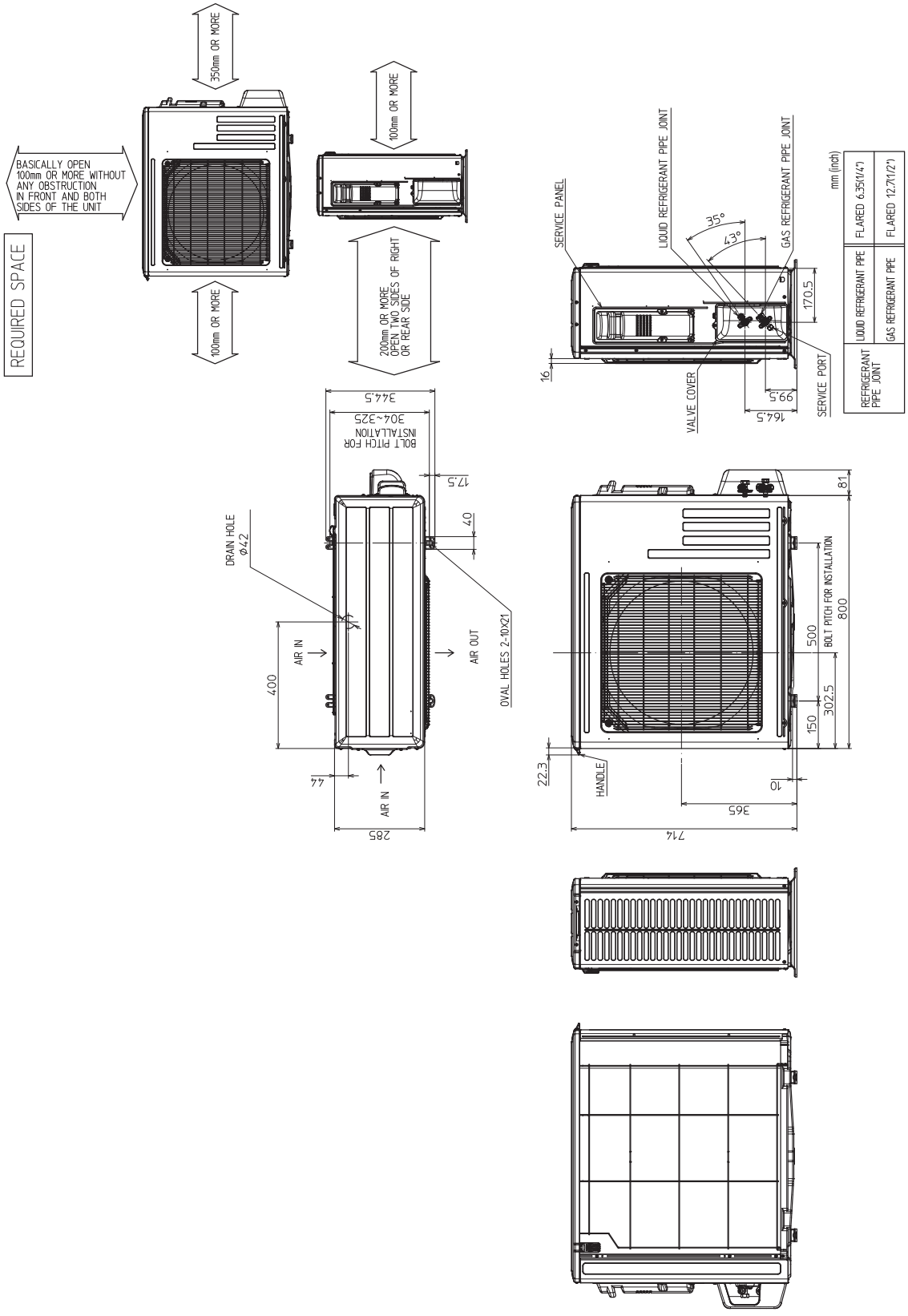
OUTDOOR UNIT



SUZ-M50VA

Unit: mm

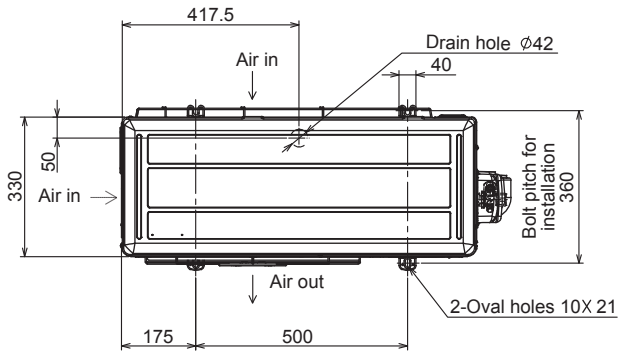
OUTDOOR UNIT

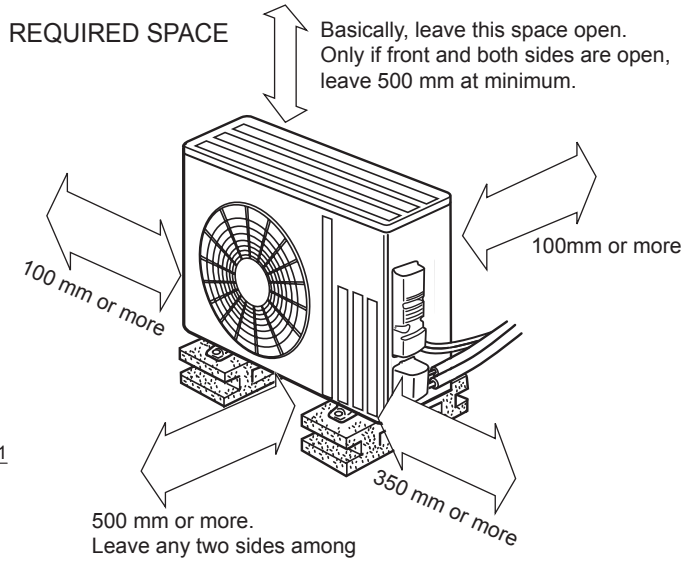


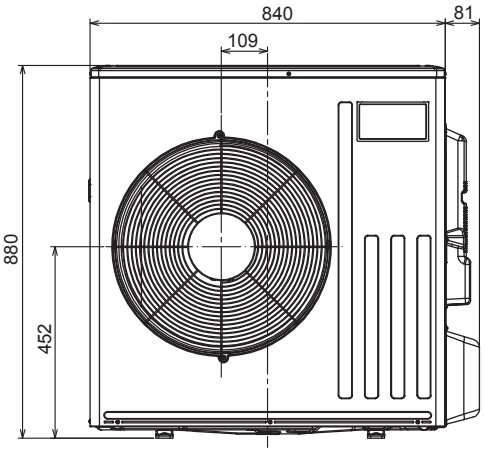
SUZ-M60VA
SUZ-M71VA

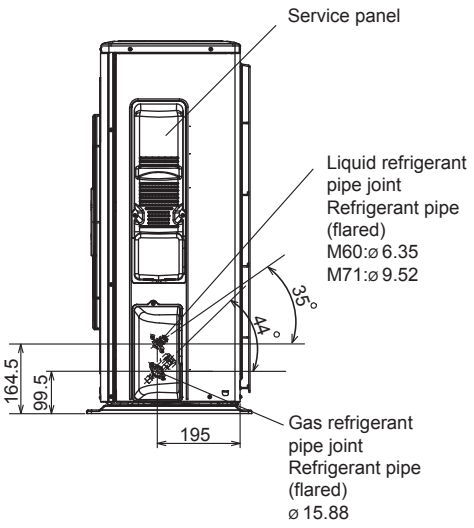
Unit: mm

OUTDOOR UNIT







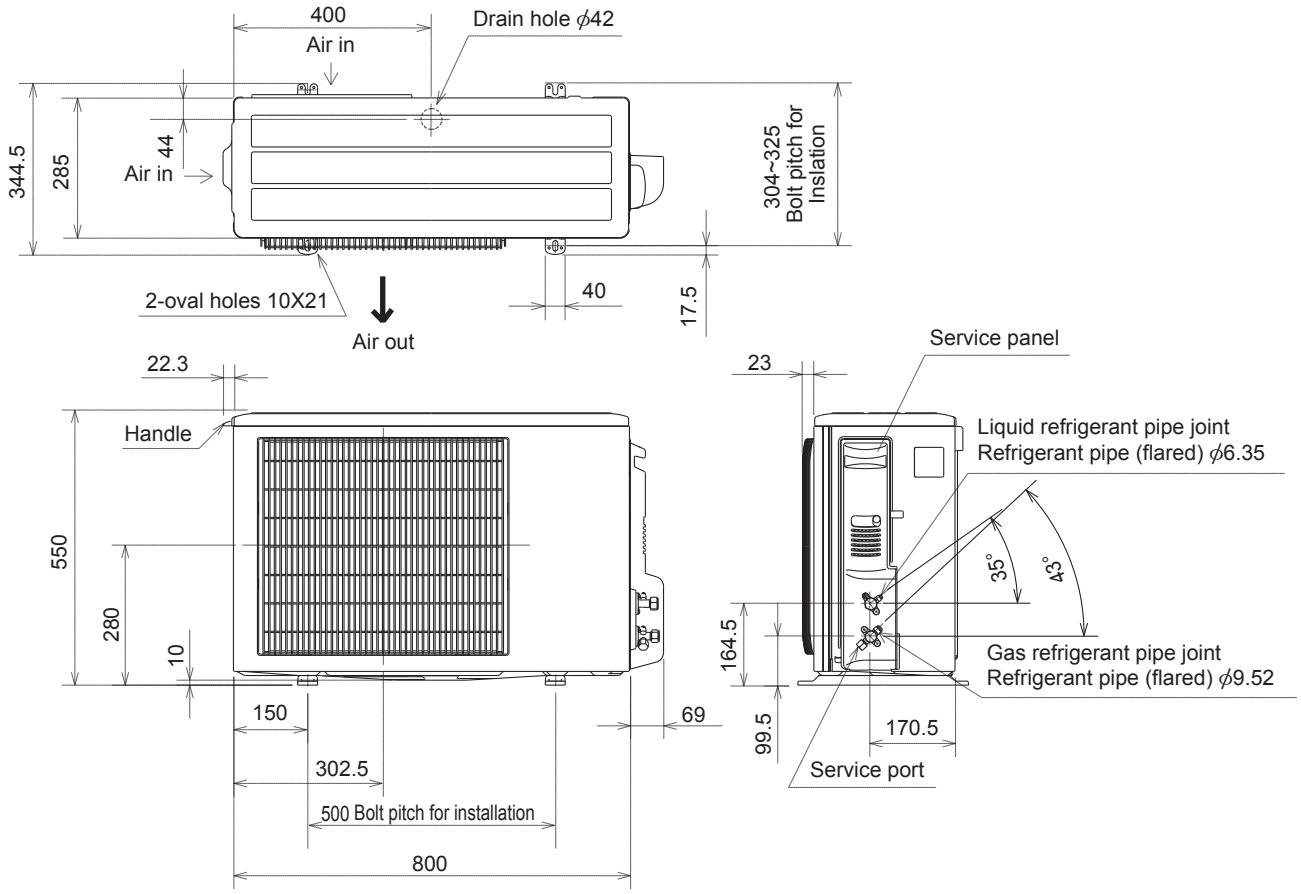


B.3.1.2 R410A type

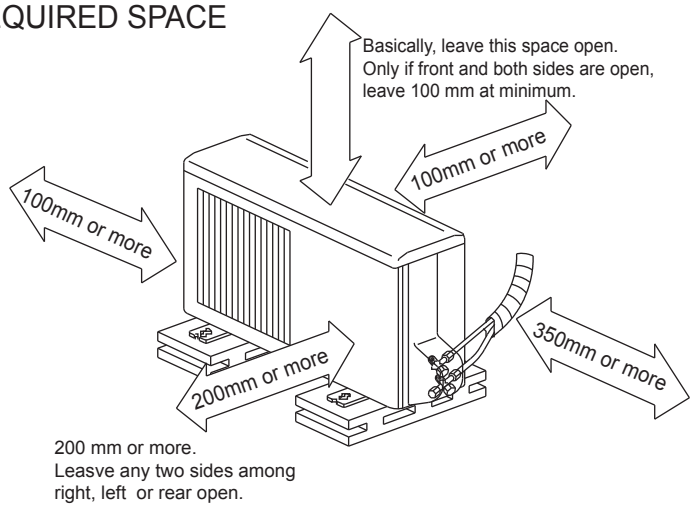
SUZ-KA25VA6
SUZ-KA35VA6

Unit : mm

OUTDOOR UNIT



REQUIRED SPACE

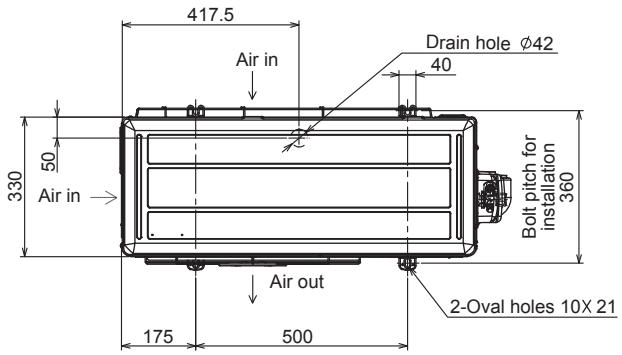


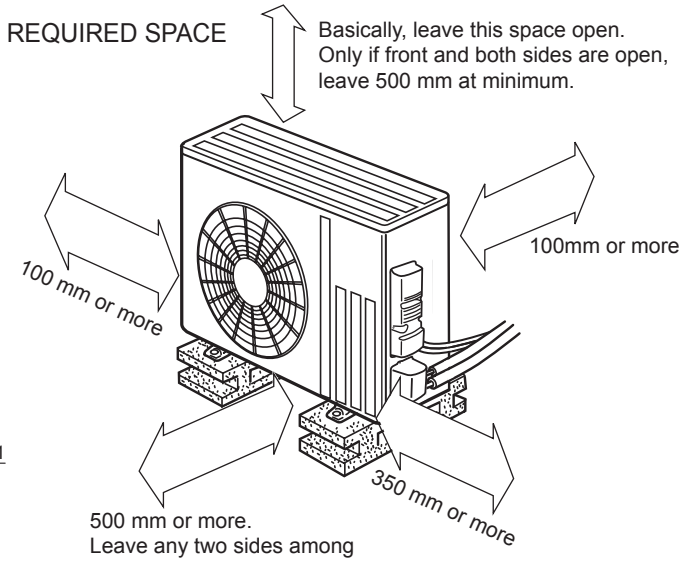
200 mm or more.
Leasve any two sides among
right, left or rear open.

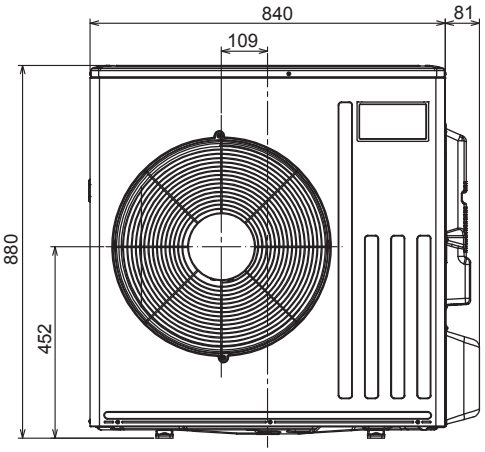
SUZ-KA50VA6
SUZ-KA60VA6
SUZ-KA71VA6

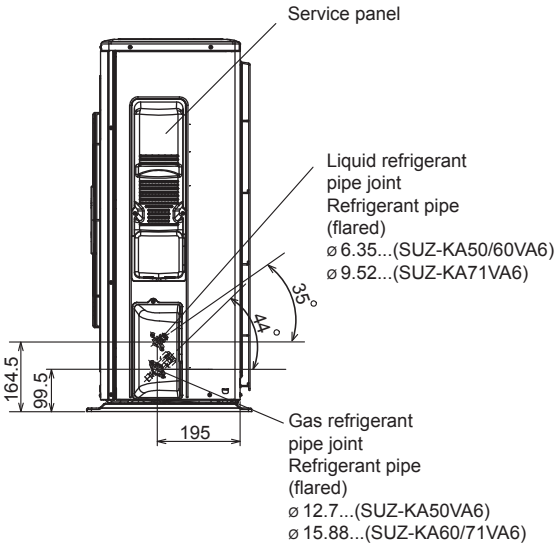
Unit: mm

OUTDOOR UNIT







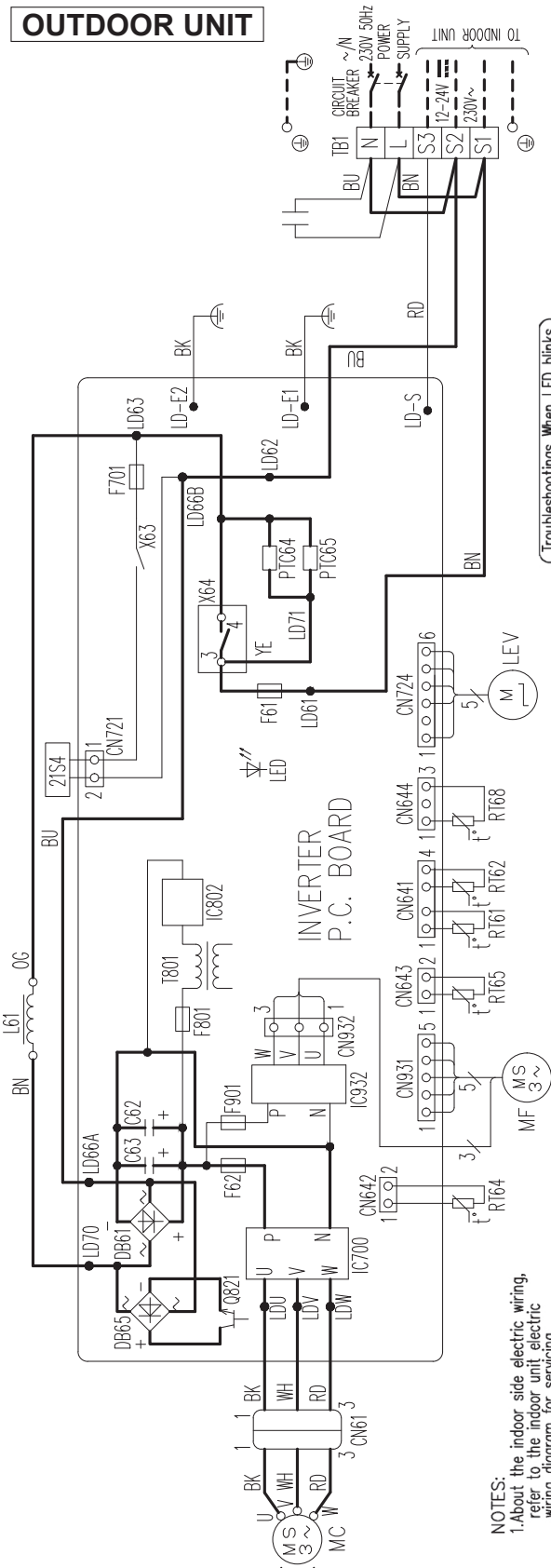


B.3.2 WIRING DIAGRAM

B.3.2.1 R32 type

SUZ-M25VA

OUTDOOR UNIT



NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□□ : Terminal block, ⊙⊙⊙⊙⊙ : Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	MC	COMPRESSOR	TB1	TERMINAL BLOCK
F61	FUSE (25A 250V)	MF	FAN MOTOR	T801	TRANSFORMER
F62	FUSE (15A 250V)	PTC64, PTC65	CIRCUIT PROTECTION	X63, X64	RELAY
F701, F801, F901	FUSE (T3.15AL250V)	Q821	SWITCHING POWER TRANSISTOR	21S4	REVERSING VALVE COIL
IC700, IC932	POWER MODULE	RT61	DEFROST THERMISTOR		
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR		
LED	LED	RT64	FIN TEMP. THERMISTOR		

Safety Precautions in Servicing Electrical Parts

Before performing inspection and repairs, be sure to confirm that the voltage of the smoothing capacitor is less than 10V DC between its plus (+) and minus (−) terminals when measured with a tester ten minutes after the power has been turned off.

Since the electrolytic capacitor used for the inverter is usually charged with 325V DC voltage, and the electric charge remains for a while after the power is cut, the shock would be given if contacted its charging part (not only the electrolytic capacitor), resulting sometimes in serious injury. In case the residual voltage of the electrolytic capacitor mentioned above exceeds 10V DC, connect the plus (+) and minus (−) terminals with either a discharge resistor (approx. 100Ω, 40W) or a soldering iron plug to let the electric charge discharge.

One Point Checking for Inverter

Item	Symptom	Corresponds
① Power supply	No 230V AC between S1 and S2 of TERMINAL BLOCK	The check of wiring of connecting the indoor unit and outdoor unit
② Fuse	Blown	Replace the INVERTER P.C. BOARD
③ Power for main circuit	No 325V DC between P and N of IC700	Replace the INVERTER P.C. BOARD
④ Inverter output	Voltages (AC) between wires (U, V, W) differ when the unit is operated with CN61 disconnected	1.Check the connector is connected certainly 2.Replace the INVERTER P.C. BOARD
⑤ LED display (In case that compressor is not in operation)	Lit	Normal
	Blinking	Abnormal or protective shutdown (Refer to "Troubleshootings When LED blinks" mentioned in right)
	Goes out	Replace the INVERTER P.C. BOARD

Troubleshootings When LED blinks

When the compressor stops due to protective functions, the LED blinks on the outdoor INVERTER P.C. BOARD. Perform the inspection referring to the table below. For your reference, when the LED is lit, the unit is in normal operation. When the LED goes out, run the unit in the emergency operation and check the blinking frequency of LED.

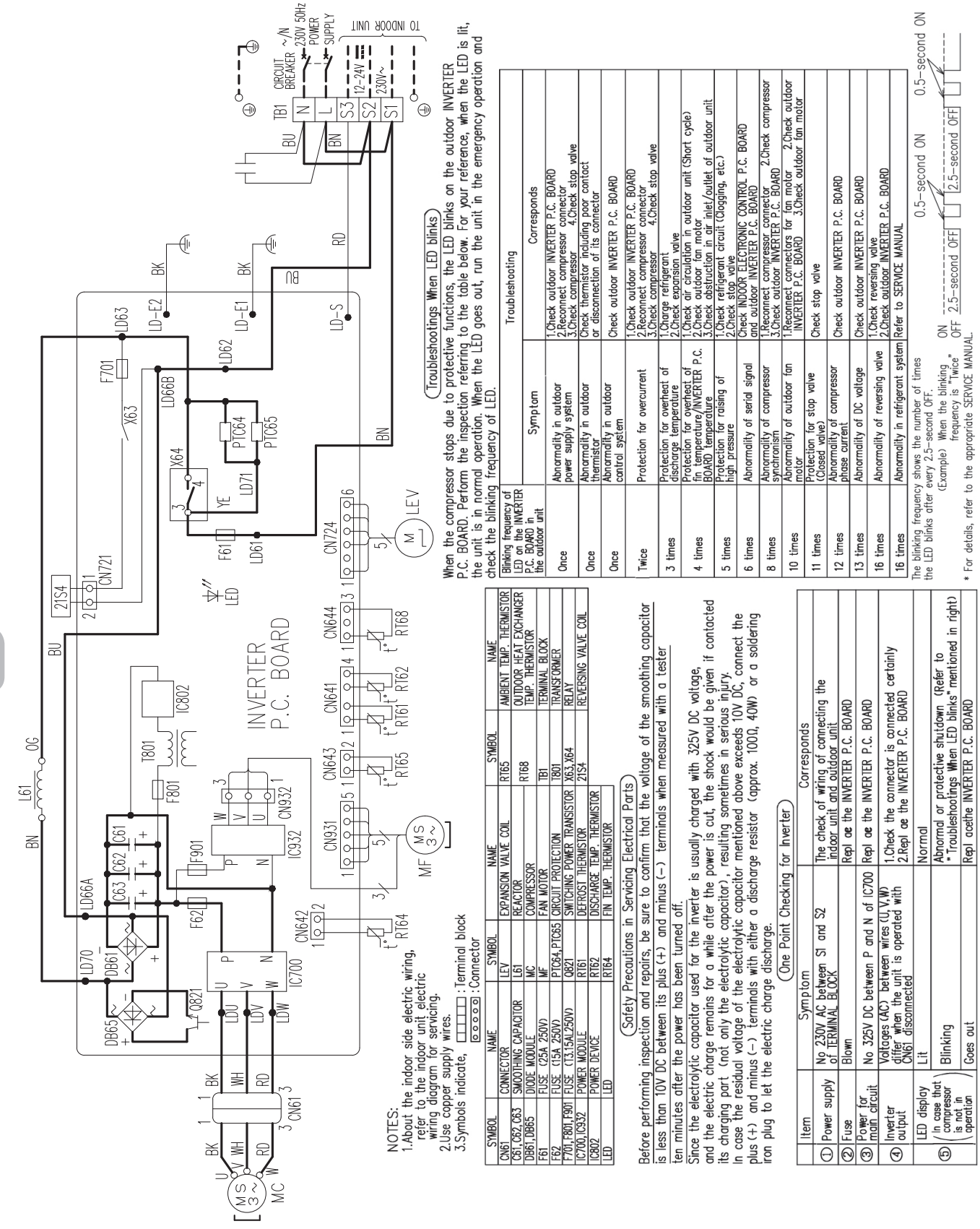
Blinking frequency of LED on the INVERTER P.C. BOARD in the outdoor unit	Troubleshooting	
	Symptom	Corresponds
Once	Abnormality in outdoor power supply system	1.Check outdoor INVERTER P.C. BOARD 2.Reconnect compressor connector 3.Check compressor 4.Check stop valve
Once	Abnormality in outdoor thermistor	Check thermistor including poor contact or disconnection of its connector
Once	Abnormality in outdoor control system	Check outdoor INVERTER P.C. BOARD
Twice	Protection for overcurrent	1.Check outdoor INVERTER P.C. BOARD 2.Reconnect compressor connector 3.Check compressor 4.Check stop valve
3 times	Protection for overheat of discharge temperature	1.Charge refrigerant 2.Check expansion valve
4 times	Protection for overheat of fin temperature/INVERTER P.C. BOARD temperature	1.Check air circulation in outdoor unit (Short cycle) 2.Check outdoor fan motor 3.Check obstruction in air inlet/outlet of outdoor unit
5 times	Protection for raising of high pressure	1.Check refrigerant circuit (Clogging, etc.) 2.Check stop valve
6 times	Abnormality of serial signal	Check INDOOR ELECTRONIC CONTROL P.C. BOARD and outdoor INVERTER P.C. BOARD
8 times	Abnormality of compressor synchronism	1.Reconnect compressor connector 2.Check compressor 3.Check outdoor INVERTER P.C. BOARD
10 times	Abnormality of outdoor fan motor	1.Reconnect connectors for fan motor 2.Check outdoor INVERTER P.C. BOARD 3.Check outdoor fan motor
11 times	Protection for stop valve (Closed valve)	Check stop valve
12 times	Abnormality of compressor phase current	Check outdoor INVERTER P.C. BOARD
13 times	Abnormality of DC voltage	Check outdoor INVERTER P.C. BOARD
16 times	Abnormality of reversing valve	1.Check reversing valve 2.Check outdoor INVERTER P.C. BOARD
16 times	Abnormality in refrigerant system	Refer to SERVICE MANUAL

The blinking frequency shows the number of times the LED blinks after every 2.5-second OFF.
(Example) When the blinking frequency is "twice"

* For details, refer to the appropriate SERVICE MANUAL.

SUZ-M35VA

OUTDOOR UNIT



NOTES:
1.About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2.Use copper supply wires.
3.Symbols indicate, □□□□ : Terminal block, ○○○○○ : Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
D861, D865	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (25A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F62	FUSE (15A 250V)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
F701, F801, F901	FUSE (T3.15AL250V)	Q821	SWITCHING POWER TRANSISTOR	X63, X64	RELAY
IC700, IC932	POWER MODULE	R161	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	R162	DISCHARGE TEMP. THERMISTOR		
LED	LED	R164	FIN TEMP. THERMISTOR		

Safety Precautions in Servicing Electrical Parts

Before performing inspection and repairs, be sure to confirm that the voltage of the smoothing capacitor is less than 10V DC between its plus (+) and minus (−) terminals when measured with a tester ten minutes after the power has been turned off.

Since the electrolytic capacitor used for the inverter is usually charged with 325V DC voltage, and the electric charge remains for a while after the power is cut, the shock would be given if contacted its charging part (not only the electrolytic capacitor), resulting sometimes in serious injury.

In case the residual voltage of the electrolytic capacitor mentioned above exceeds 10V DC, connect the plus (+) and minus (−) terminals with either a discharge resistor (approx. 100Ω, 40W) or a soldering iron plug to let the electric charge discharge.

One Point Checking for Inverter

Item	Symptom	Corresponds
① Power supply	No 230V AC between S1 and S2 of TERMINAL BLOCK	The check of wiring of connecting the indoor unit and outdoor unit.
② Fuse	Blown	Repl ace the INVERTER P.C. BOARD
③ Power for main circuit	No 325V DC between P and N of IC700	Repl ace the INVERTER P.C. BOARD
④ Inverter output	Voltages (AC) between wires (U, V, W) differ when the unit is operated with CN61 disconnected	1.Check the connector is connected certainly 2.Repl ace the INVERTER P.C. BOARD
⑤ (In case that compressor is not in operation) LED display	Lit	Normal
	Blinking	Abnormal or protective shutdown (Refer to "Troubleshootings When LED blinks" mentioned in right)
	Goes out	Repl acethe INVERTER P.C. BOARD

Troubleshootings When LED blinks

When the compressor stops due to protective functions, the LED blinks on the outdoor INVERTER P.C. BOARD. Perform the inspection referring to the table below. For your reference, when the LED is lit, the unit is in normal operation. When the LED goes out, run the unit in the emergency operation and check the blinking frequency of LED.

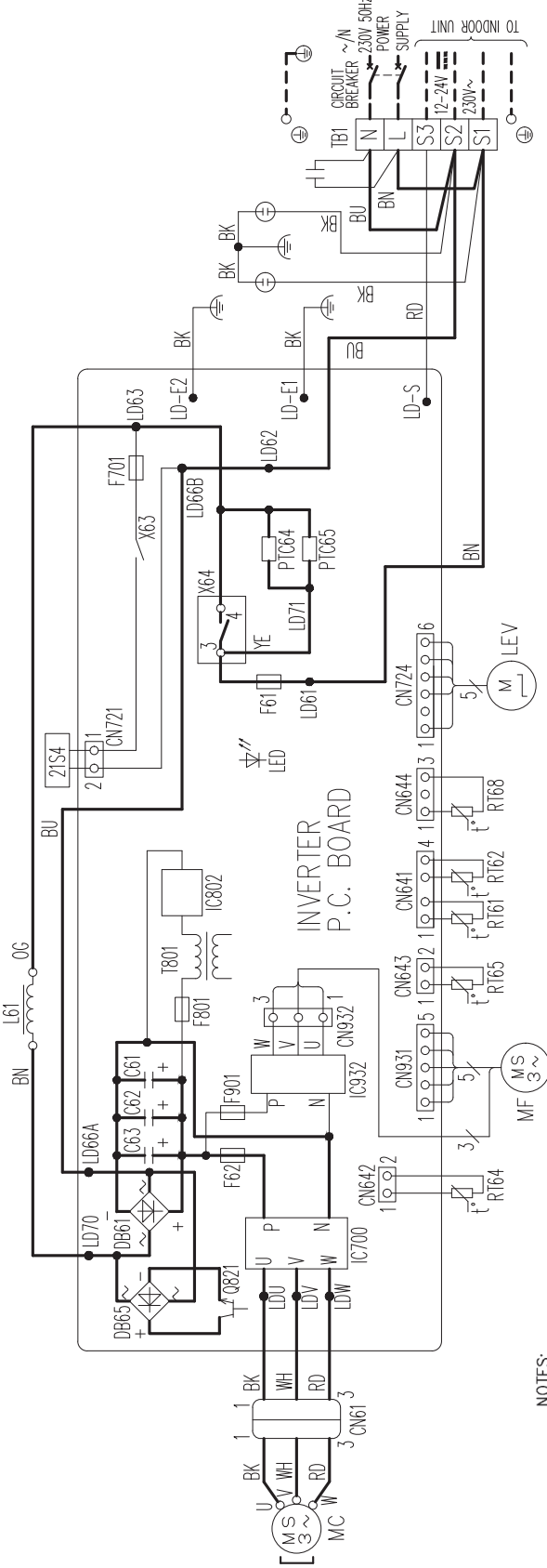
Blinking frequency of LED on the INVERTER P.C. BOARD in the outdoor unit	Troubleshooting	
	Symptom	Corresponds
Once	Abnormality in outdoor power supply system	1.Check outdoor INVERTER P.C. BOARD 2.Reconnect compressor connector 3.Check compressor 4.Check stop valve
Once	Abnormality in outdoor thermistor	Check thermistor including poor contact or disconnection of its connector
Once	Abnormality in outdoor control system	Check outdoor INVERTER P.C. BOARD
Twice	Protection for overcurrent	1.Check outdoor INVERTER P.C. BOARD 2.Reconnect compressor connector 3.Check compressor 4.Check stop valve
3 times	Protection for overheat of discharge temperature	1.Charge refrigerant 2.Check expansion valve
4 times	Protection for overheat of fin temperature/INVERTER P.C. BOARD temperature	1.Check air circulation in outdoor unit (Short cycle) 2.Check outdoor fan motor 3.Check obstruction in air inlet/outlet of outdoor unit
5 times	Protection for raising of high pressure	1.Check refrigerant circuit (Clogging, etc.) 2.Check stop valve
6 times	Abnormality of serial signal	Check INDOOR ELECTRONIC CONTROL P.C. BOARD and outdoor INVERTER P.C. BOARD 2.Check compressor
8 times	Abnormality of compressor synchronism	1.Reconnect compressor connector 3.Check outdoor INVERTER P.C. BOARD 2.Check outdoor
10 times	Abnormality of outdoor fan motor	1.Reconnect connectors for fan motor 2.Check outdoor INVERTER P.C. BOARD 3.Check outdoor fan motor
11 times	Protection for stop valve (Closed valve)	Check stop valve
12 times	Abnormality of compressor phase current	Check outdoor INVERTER P.C. BOARD
13 times	Abnormality of DC voltage	Check outdoor INVERTER P.C. BOARD
16 times	Abnormality of reversing valve	1.Check reversing valve 2.Check outdoor INVERTER P.C. BOARD
16 times	Abnormality in refrigerant system	Refer to SERVICE MANUAL

The blinking frequency shows the number of times the LED blinks after every 2.5-second OFF.
(Example) When the blinking frequency is "twice"

* For details, refer to the appropriate SERVICE MANUAL.

SUZ-M50VA

OUTDOOR UNIT



NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□ : Terminal block, ○○○○○ : Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (250V, 25A)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F62	FUSE (250V, 15A)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
F701, F801, F901	FUSE (250V, 3.15AL)	Q821	SWITCHING POWER TRANSISTOR	X63, X64	RELAY
IC700, IC932	POWER MODULE	R161	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	R162	DISCHARGE TEMP. THERMISTOR		
LED	LED	R164	FIN TEMP. THERMISTOR		

Safety Precautions in Servicing Electrical Parts

Before performing inspection and repairs, be sure to confirm that the voltage of the smoothing capacitor is less than 10V DC between its plus (+) and minus (−) terminals when measured with a tester ten minutes after the power has been turned off.
Since the electrolytic capacitor used for the inverter is usually charged with 325V DC voltage, and the electric charge remains for a while after the power is cut, the shock would be given if contacted its charging part (not only the electrolytic capacitor), resulting sometimes in serious injury.
In case the residual voltage of the electrolytic capacitor mentioned above exceeds 10V DC, connect the plus (+) and minus (−) terminals with either a discharge resistor (approx. 100Ω, 40W) or a soldering iron plug to let the electric charge discharge.

One Point Checking for Inverter

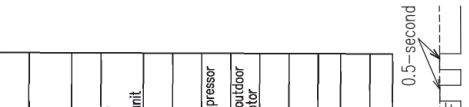
Item	Symptom	Corresponds
① Power supply	No 230V AC between S1 and S2 of TERMINAL BLOCK	The check of wiring of connecting the indoor unit and outdoor unit
② Fuse	Blown	Replace the INVERTER P.C. BOARD
③ Power for main circuit	No 325 VDC between P and N of IC700	Replace the INVERTER P.C. BOARD
④ Inverter output	Voltages (AC) between wires (U, V, W) differ when the unit is operated with CN61 disconnected	1. Check the connector is connected certainly 2. Replace the INVERTER P.C. BOARD
⑤ In case that compressor is not in operation	LED display: Lit	Normal
	Blinking	Abnormal or protective shutdown (Refer to "Troubleshootings When LED blinks" mentioned in right)
	Goes out	Replace the INVERTER P.C. BOARD

Troubleshootings When LED blinks

When the compressor stops due to protective functions, the LED blinks on the outdoor INVERTER P.C. BOARD. Perform the inspection referring to the table below. For your reference, when the LED is lit, the unit is in normal operation. When the LED goes out, run the unit in the emergency operation and check the blinking frequency of LED.

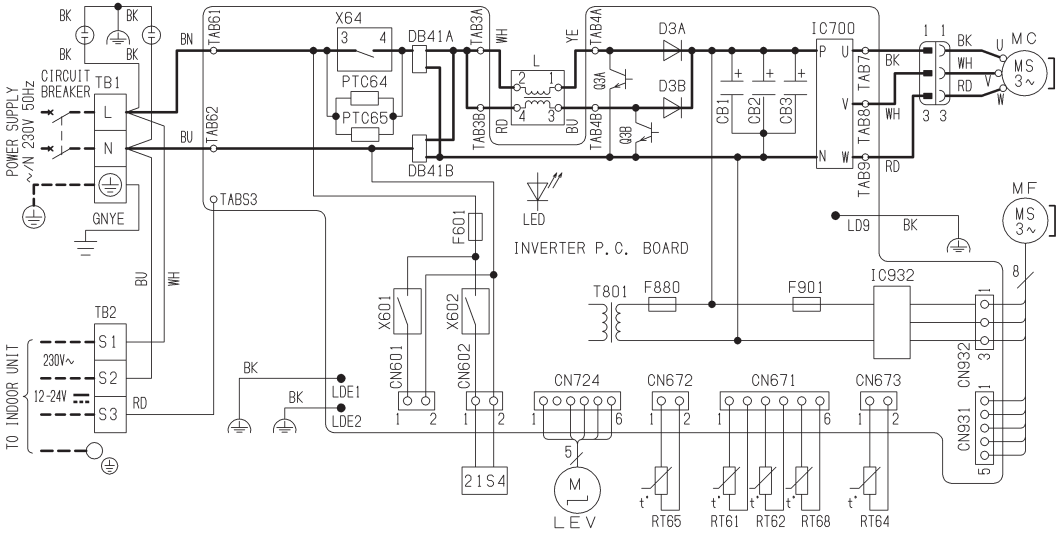
Blinking frequency of LED on the INVERTER P.C. BOARD in the outdoor unit	Troubleshooting: Symptom	Troubleshooting: Corresponds
Once	Abnormality in outdoor power supply system	1. Check outdoor INVERTER P.C. BOARD 2. Reconnect compressor connector 3. Check compressor 4. Check stop valve
Once	Abnormality in outdoor thermistor	Check thermistor including poor contact or disconnection of its connector
Once	Abnormality in outdoor control system	Check outdoor INVERTER P.C. BOARD
Twice	Protection for overcurrent	1. Check outdoor INVERTER P.C. BOARD 2. Reconnect compressor connector 3. Check compressor 4. Check stop valve
3 times	Protection for overheat of discharge temperature	1. Charge refrigerant 2. Check expansion valve
4 times	Protection for overheat of fin temperature/INVERTER P.C. BOARD temperature	1. Check air circulation in outdoor unit (Short cycle) 2. Check outdoor fan motor 3. Check obstruction in air inlet/outlet of outdoor unit
5 times	Protection for raising of high pressure	1. Check refrigerant circuit (Clogging, etc.) 2. Check stop valve
6 times	Abnormality of serial signal	Check INDOOR-ELECTRONIC CONTROL P.C. BOARD or outdoor INVERTER P.C. BOARD
8 times	Abnormality of compressor synchronism	1. Reconnect compressor connector 2. Check compressor 3. Check outdoor INVERTER P.C. BOARD
10 times	Abnormality of outdoor fan motor	1. Reconnect connectors for fan motor 2. Check outdoor INVERTER P.C. BOARD 3. Check outdoor fan motor
11 times	Protection for stop valve (Closed valve)	Check stop valve
12 times	Abnormality of compressor phase current	Check outdoor INVERTER P.C. BOARD
13 times	Abnormality of DC voltage	Check outdoor INVERTER P.C. BOARD
16 times	Abnormality of reversing valve	1. Check reversing valve 2. Check outdoor INVERTER P.C. BOARD
16 times	Abnormality in refrigerant system	Refer to SERVICE MANUAL

The blinking frequency shows the number of times the LED blinks after every 2.5-second OFF.
(Example) When the blinking frequency is "Twice"



* For details, refer to the appropriate SERVICE MANUAL.

SUZ-M60VA
SUZ-M71VA
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1, CB2, CB3	SMOOTHING CAPACITOR	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
DB41A, DB41B	DIODE MODULE	LED	LED	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
D3A, D3B	DIODE	LEV	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR	X601, X602	RELAY
F601	FUSE (T3.15AL250V)	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
F880	FUSE (T3.15AL250V)	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR		
F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION				
IC700, IC932	POWER MODULE	Q3A, Q3B	SWITCHING POWER TRANSISTOR	TB1, TB2	TERMINAL BLOCK		

NOTES 1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires. 3. Symbols indicate, ⊏⊐⊐: Terminal block ⊙⊙⊙: Connector

Safety Precautions in Servicing Electrical Parts

Before performing inspection and repairs, be sure to confirm that the voltage of the smoothing capacitor is less than 10V DC between P (+) and N (-) terminals of IC700 when measured with a tester ten minutes after the power has been turned off.

Since the electrolytic capacitor used for the inverter is usually charged with 325V DC voltage, and the electric charge remains for a while after the power is cut, the shock would be given if contacted its sometimes charging part (not only the electrolytic capacitor), resulting in serious injury. In case the residual voltage of the electrolytic capacitor mentioned above exceeds 10V DC, connect P (+) and N (-) terminals of IC700 with either a discharge resistor (approx. 100Ω, 40W) or a soldering iron plug to let the electric charge discharge.

One Point Checking for Inverter

	Item	Symptom	Check point
1	Power supply	There is no 230V AC power between terminals [L] and [N].	Check the power supply cable.
2	Fuse	The fuse has blown.	Replace the INVERTER P.C. BOARD.
3	Power for main circuit	There is no 325V DC Power between pins P (+) and N (-) terminals of IC700.	Check the INVERTER P.C. BOARD, the reactor, and the main circuit wiring.
4	Inverter output	AC voltages between wires are different during operation with the inverter disconnected from the compressor.	Check the INVERTER P.C. BOARD.
5	LED display (while compressor is not in operation.)	Lit	Normal
		Flashing	Abnormality or stop due to protective function (refer to "Troubleshootings When LED Blinks" shown below.)
		Goes out	Check the INVERTER P.C. BOARD, fan motor and the power for main circuit.

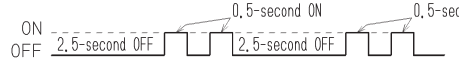
* For details, refer to the appropriate service manual.

Troubleshootings When LED Blinks

When the compressor stops due to protective functions, the LED blinks on the outdoor INVERTER P.C. BOARD. Perform the inspection referring to the table below. For your reference, when the LED is lit, the unit is in normal operation. When the LED goes out, run the unit in the emergency operation and check the blinking frequency of LED.

Blinking frequency of LED on the INVERTER P.C. BOARD in the outdoor unit	Troubleshooting	
	Symptom	Corresponds
Once	Abnormality in outdoor power supply system	1. Check outdoor INVERTER P.C. BOARD 2. Reconnect compressor connector 3. Check compressor 4. Check stop valve
	Abnormality in outdoor thermistor	Check thermistor including poor contact or disconnection of its connector
	Abnormality in outdoor control system	Check outdoor INVERTER P.C. BOARD
Twice	Protection for overcurrent	1. Check outdoor INVERTER P.C. BOARD 2. Reconnect compressor connector 3. Check compressor 4. Check stop valve
3 times	Protection for overheat of discharge temperature	1. Charge refrigerant 2. Check expansion valve
4 times	Protection for overheat of fin temperature/INVERTER P.C. BOARD temperature	1. Check air circulation in outdoor unit (short cycle) 2. Check outdoor fan motor 3. Check obstruction in air inlet/outlet of outdoor unit
5 times	Protection for raising of high pressure	1. Check refrigerant circuit (clogging etc.) 2. Check stop valve
6 times	Abnormality of serial signal	Check INDOOR ELECTRONIC CONTROL P.C. BOARD and outdoor INVERTER P.C. BOARD
8 times	Abnormality of compressor synchronism	1. Reconnect compressor connector 2. Check compressor 3. Check outdoor INVERTER P.C. BOARD
10 times	Abnormality of outdoor fan motor	1. Reconnect connectors for fan motor 2. Check outdoor INVERTER P.C. BOARD 3. Check outdoor fan motor
11 times	Protection for stop valve (Closed valve)	Check stop valve
12 times	Abnormality of compressor phase current	Check outdoor INVERTER P.C. BOARD
13 times	Abnormality of DC voltage	Check outdoor INVERTER P.C. BOARD
16 times	Abnormality of reversing valve	1. Check reversing valve 2. Check outdoor INVERTER P.C. BOARD
	Abnormality in refrigerant system	1. Refer to SERVICE MANUAL

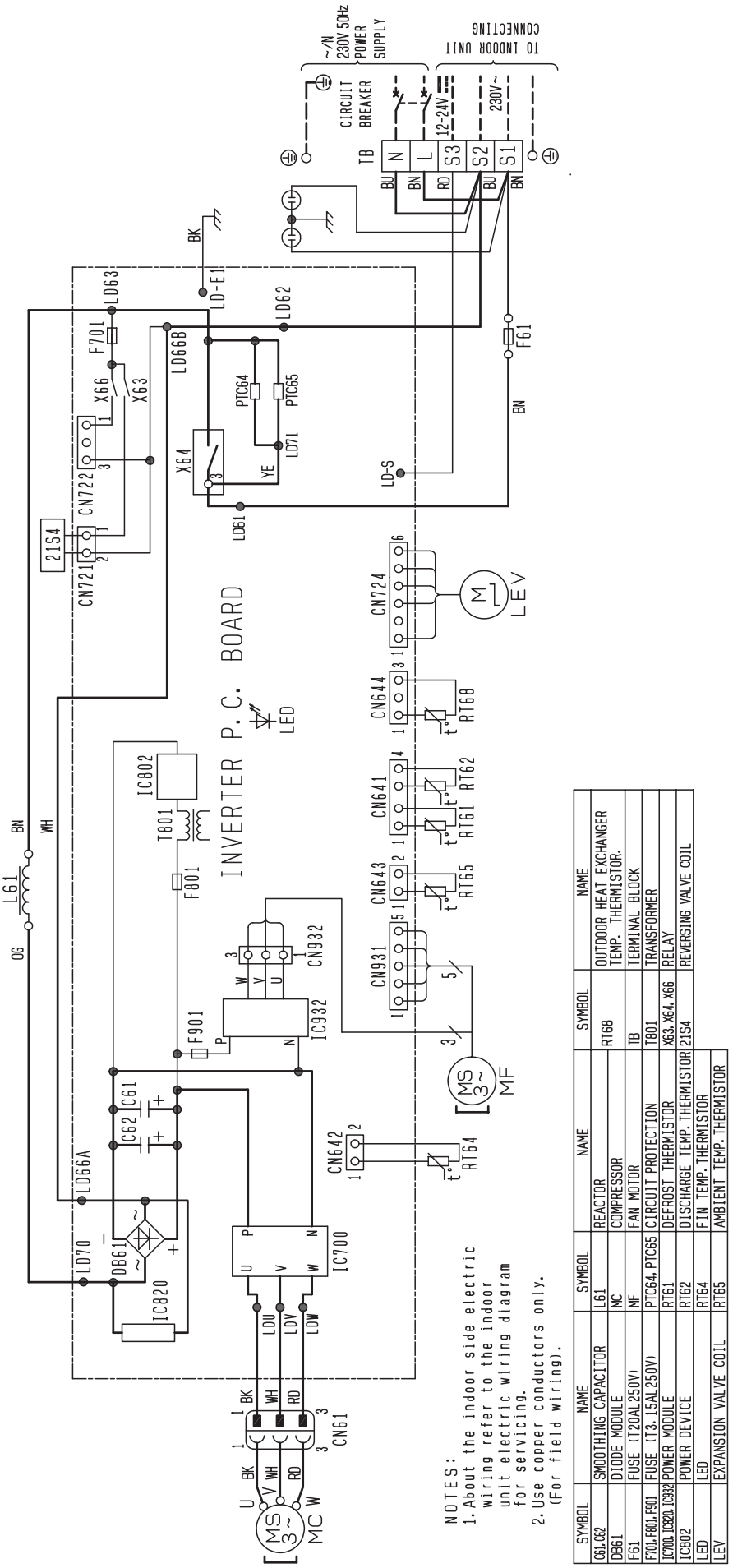
The blinking frequency shows the number of times the LED blinks after every 2.5-second OFF.
[Example] Blinking frequency is "Twice".



B.3.2.2 R410A type

SUZ-KA25VA6
SUZ-KA35VA6

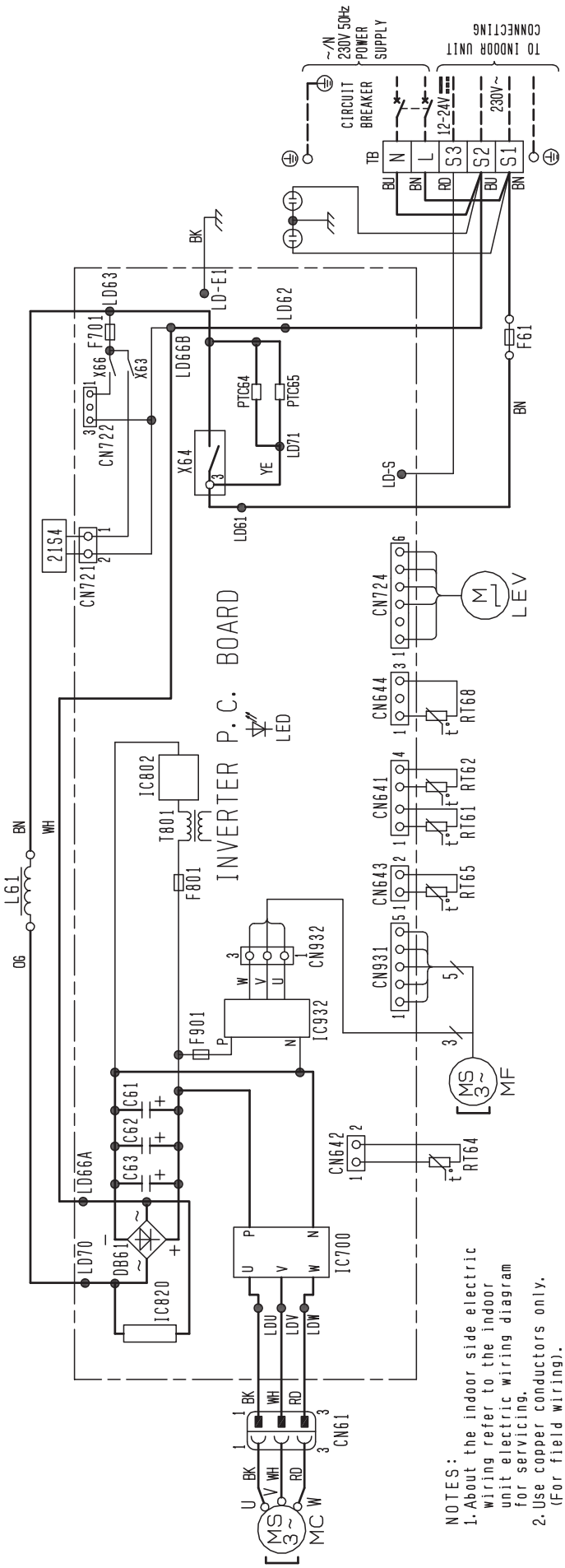
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61	DIODE MODULE	MC	COMPRESSOR	TB	TERMINAL BLOCK
F61	FUSE (T20AL250V)	MF	FAN MOTOR	T801	TRANSFORMER
F701, F801, F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION	X63, X64, X66	RELAY
IC700, IC820, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR		
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

SUZ-KA50VA6

OUTDOOR UNIT



NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only. (For field wiring).

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (T20AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
F701, F801, F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700, IC820, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	2154	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

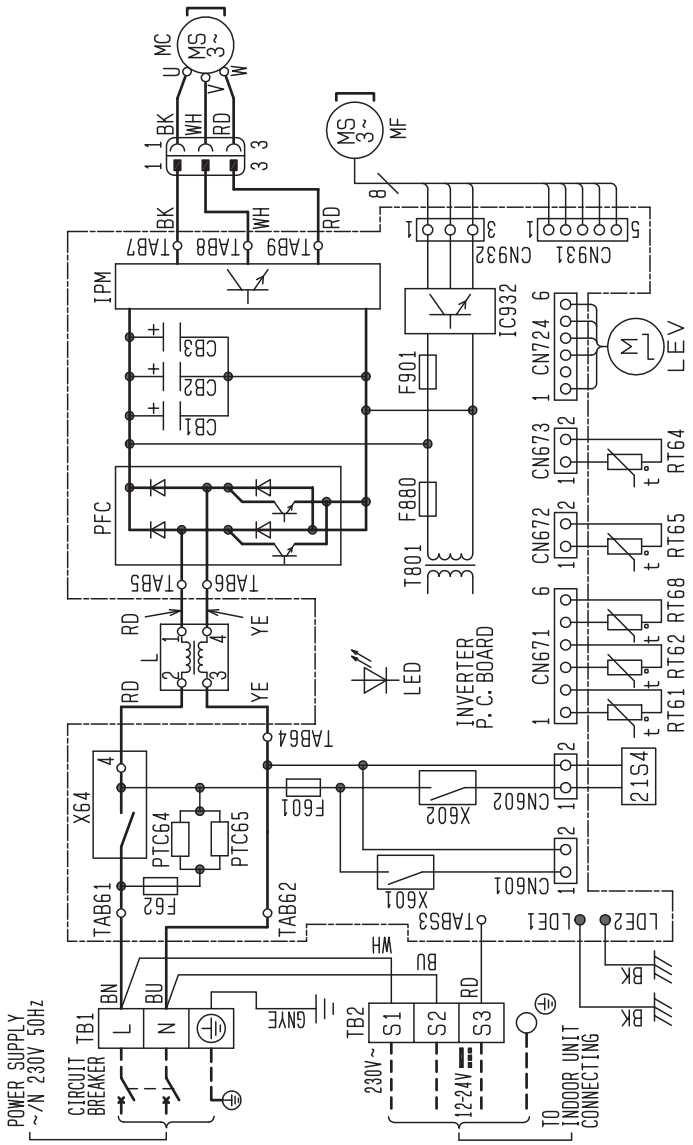
SUZ-KA60VA6
SUZ-KA71VA6

OUTDOOR UNIT

SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR
F601	FUSE(T3.15AL250V)
F62	FUSE(T2AL250V)
F880	FUSE(T3.15AL250V)
F901	FUSE(T3.15AL250V)
IC932	INTELLIGENT POWER MODULE
IPM	INTELLIGENT POWER MODULE
L	REACTOR
LEV	EXPANSION VALVE COIL
MC	COMPRESSOR
MF	FAN MOTOR
PFC	POWER FACTOR CONTROLLER
PTC64	CIRCUIT PROTECTION

SYMBOL	NAME
PTC65	CIRCUIT PROTECTION
RT61	DEFROST THERMISTOR
RT62	DISCHARGE TEMP.THERMISTOR
RT64	FIN TEMP.THERMISTOR
RT65	AMBIENT TEMP.THERMISTOR
RT68	OUTDOOR HEAT EXCHANGER TEMP.THERMISTOR
TB1,TB2	TERMINAL BLOCK
T801	TRANSFORMER
X601	RELAY
X602	RELAY
X64	RELAY
21S4	REVERSING VALVE SOLENOID COIL

NOTES 1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only(for field wiring).
3. Symbols indicate. □□□ :Terminal block



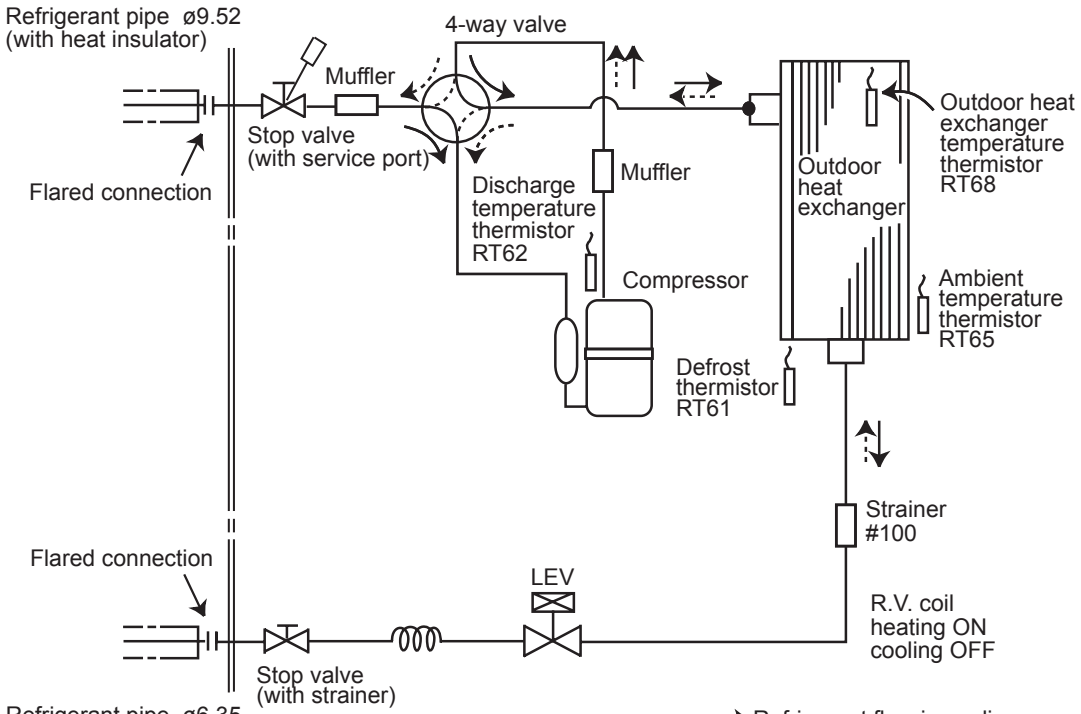
B.3.3 REFRIGERANT SYSTEM DIAGRAM

B.3.3.1 R32 type

SUZ-M25VA
SUZ-M35VA

Unit: mm

OUTDOOR UNIT

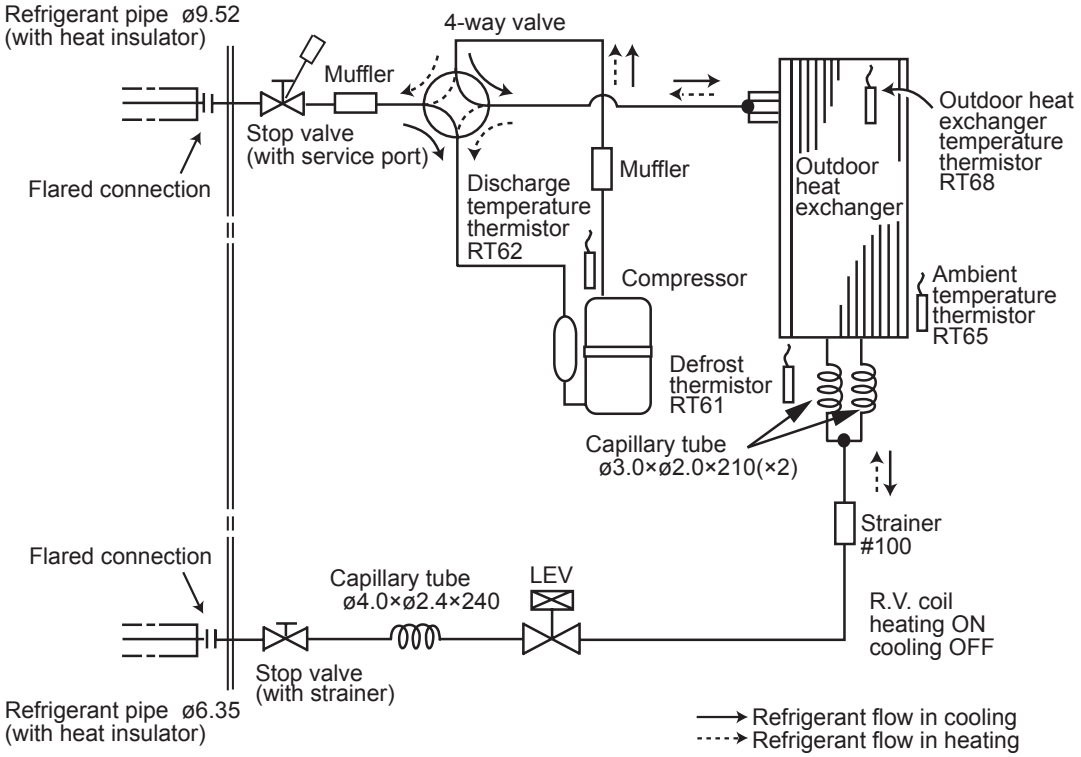


Capillary tube	
SUZ-M25VA	Φ4.0×Φ2.4×240
SUZ-M35VA	Φ3.0×Φ2.0×240

SUZ-M50VA

Unit: mm

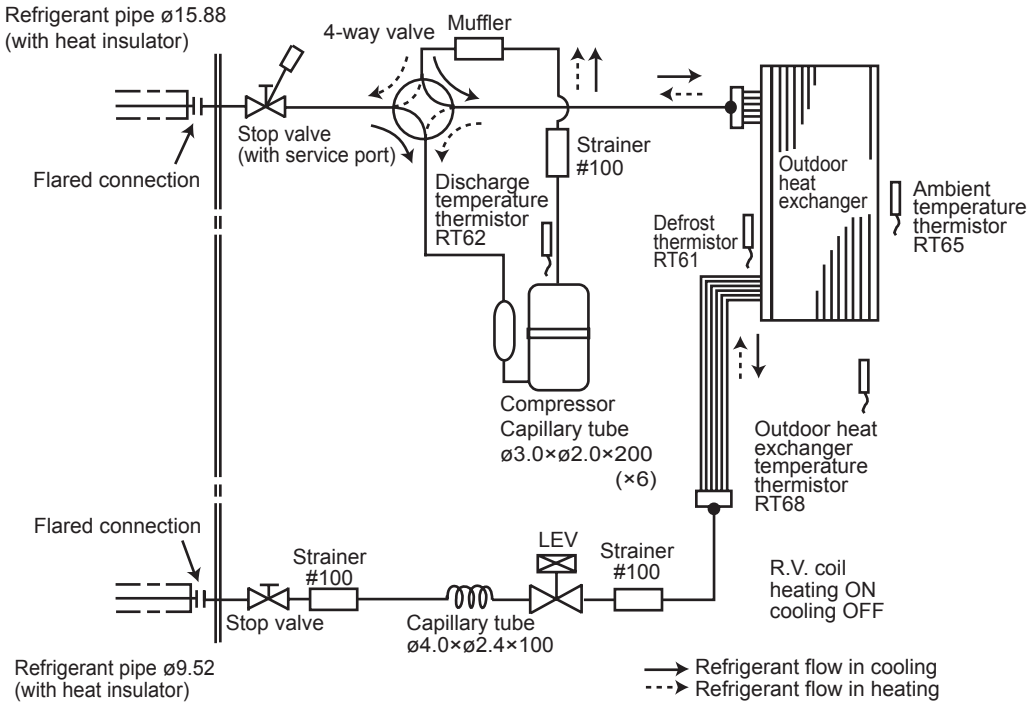
OUTDOOR UNIT



SUZ-M60VA
SUZ-M71VA

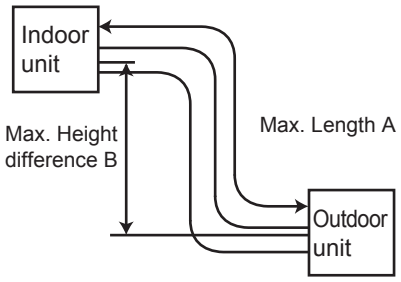
Unit: mm

OUTDOOR UNIT



MAX.REFRIGERANT PIPING LENGTH

Model	Refrigerant piping:m		Refrigerant piping:m	
	Max.LengthA	Max.Height difference B	Gas	Liguid
SUZ-M25VA	20	12	9.52	6.35
SUZ-M35VA				
SUZ-M50VA	30	30	12.7	
SUZ-M60VA			15.88	
SUZ-M71VA				9.52



ADDITINAL REFRIGERANT CHARGE(R32:g)

Model	Out door unit precharged	Refrigerant piping length			
		7m	10m	15m	20m
SUZ-M25VA	650	0	60	160	260
SUZ-M35VA	900	0	60	160	260

Calculation:xg=30g/mx(Refrigerant piping leng(m) -7)

Model	Out door unit precharged	Refrigerant piping length					
		7m	10m	15m	20m	25m	30m
SUZ-M50VA	1,200	0	60	160	260	360	460
SUZ-M60VA	1,250	0	60	160	260	360	460

Calculation:xg=20g/mx(Refrigerant piping leng(m) -7)

Model	Out door unit precharged	Refrigerant piping length					
		7m	10m	15m	20m	25m	30m
SUZ-M71VA	1,450	0	120	320	520	720	920

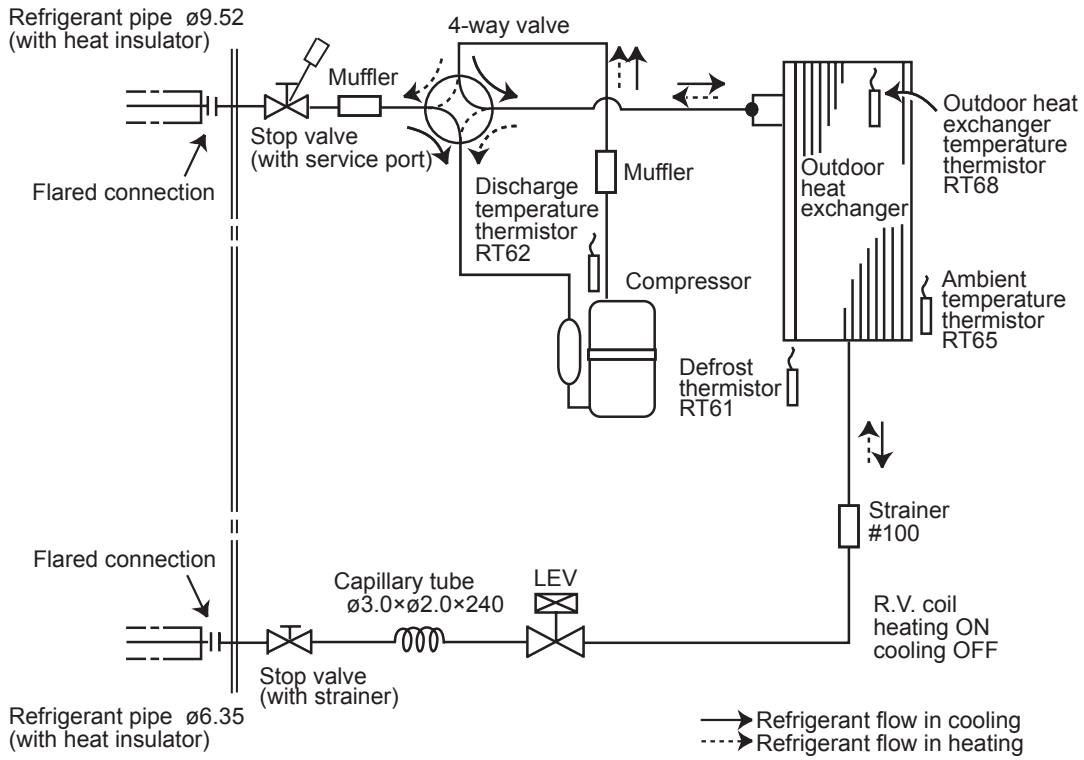
Calculation:xg=55g/mx(Refrigerant piping leng(m) -7)

B.3.3.2 R410A type

SUZ-KA25VA6

Unit: mm

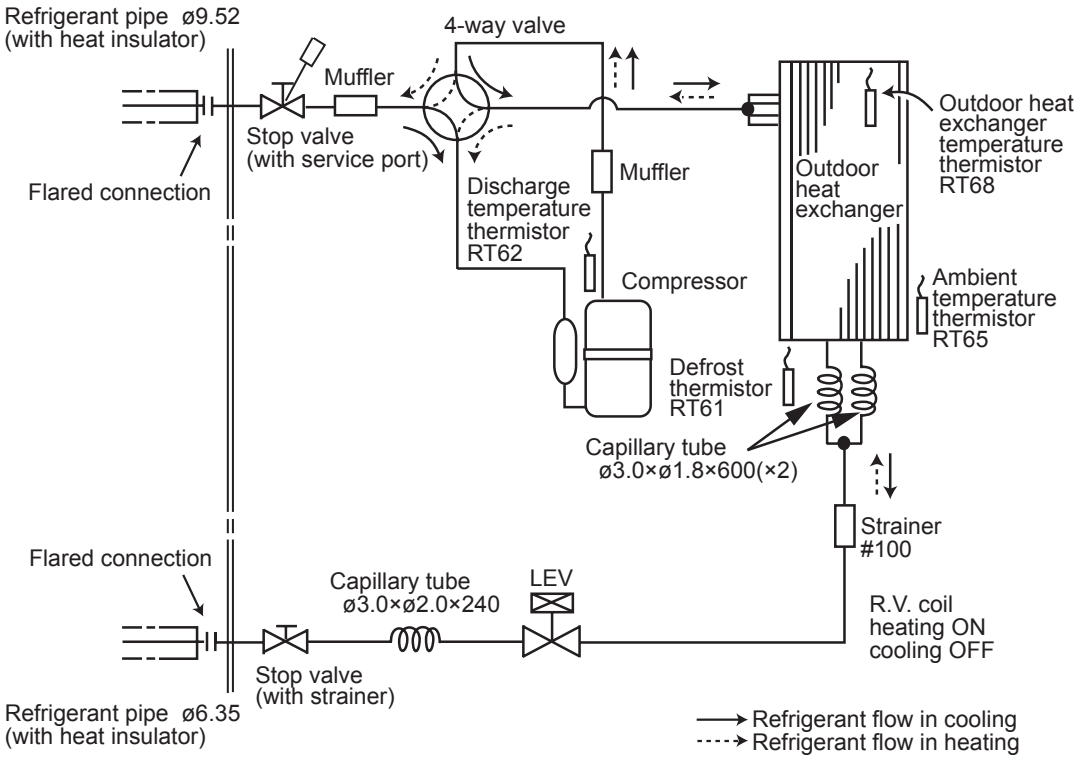
OUTDOOR UNIT



SUZ-KA35VA6

Unit: mm

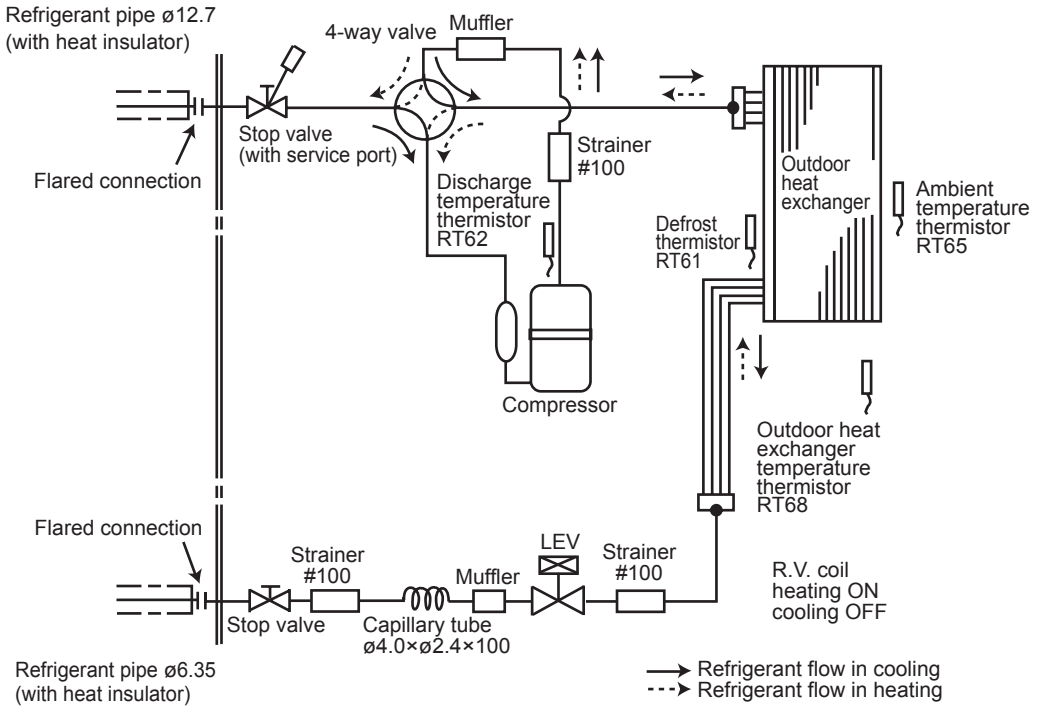
OUTDOOR UNIT



SUZ-KA50VA6

Unit: mm

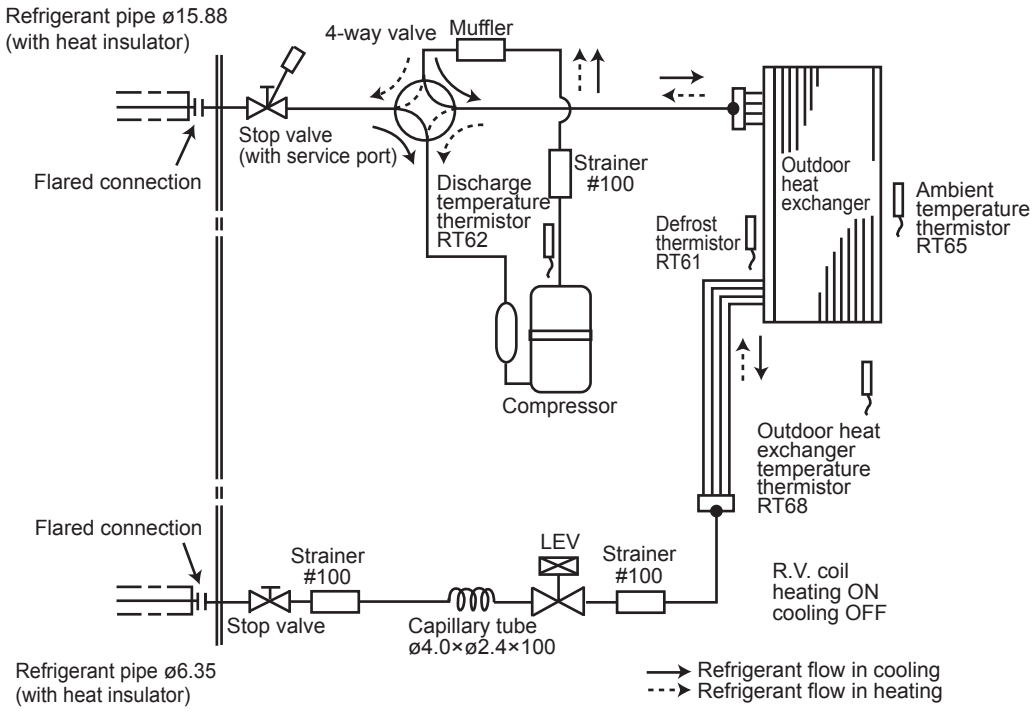
OUTDOOR UNIT



SUZ-KA60VA6

Unit: mm

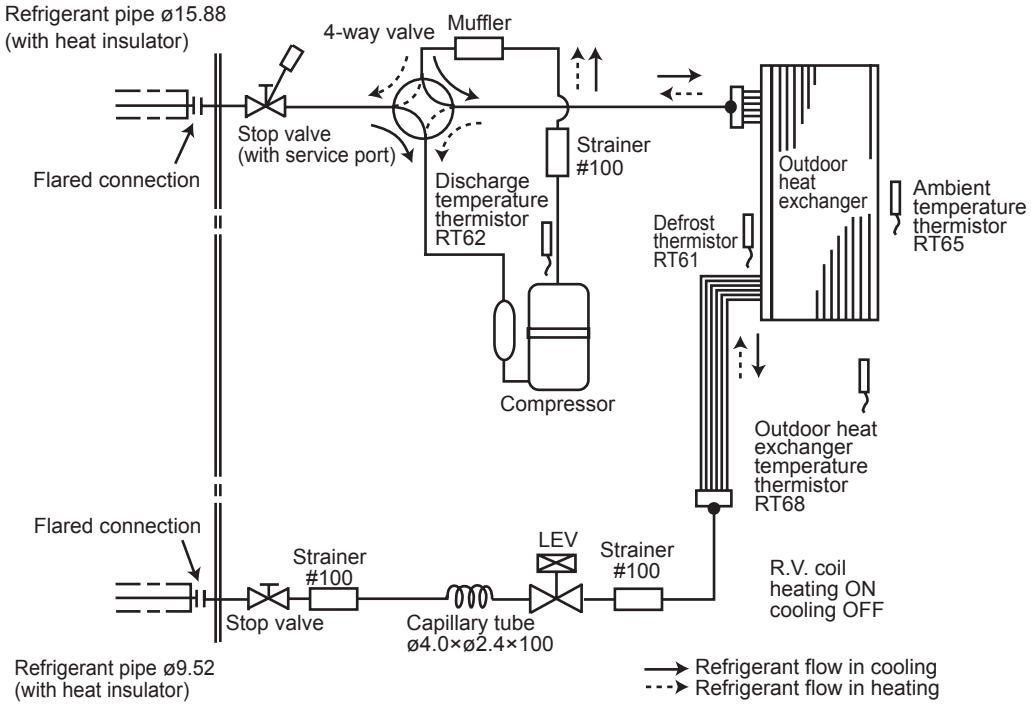
OUTDOOR UNIT



SUZ-KA71VA6

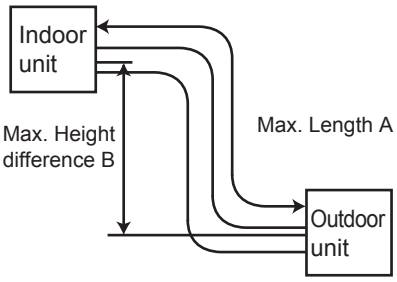
Unit: mm

OUTDOOR UNIT



MAX.REFRIGERANT PIPING LENGTH

Model	Refrigerant piping:m		Refrigerant piping:m	
	Max.LengthA	Max.Height difference B	Gas	Liguid
SUZ-KA25VA6	20	12	9.52	6.35
SUZ-KA35VA6				
SUZ-KA50VA6	30	30	12.7	
SUZ-KA60VA6			15.88	
SUZ-KA71VA6				9.52



ADDITINAL REFRIGERANT CHARGE(R32:g)

Model	Out door unit precharged	Refrigerant piping length									
		7m	8m	9m	10m	11m	12m	13m	14m	15m	20m
SUZ-KA25VA6	800	0	30	60	90	120	150	180	210	240	390
SUZ-KA35VA6	1,150	0	30	60	90	120	150	180	210	240	390

Calculation:xg=20g/mx(Refrigerant piping leng(m) -7)

Model	Out door unit precharged	Refrigerant piping length					
		7m	10m	15m	20m	25m	30m
SUZ-M50VA	1,600	0	60	160	260	360	460
SUZ-M60VA	1,600	0	60	160	260	360	460

Calculation:xg=20g/mx(Refrigerant piping leng(m) -7)

Model	Out door unit precharged	Refrigerant piping length					
		7m	10m	15m	20m	25m	30m
SUZ-KA71VA6	1,800	0	165	440	715	990	1,265

Calculation:xg=55g/mx(Refrigerant piping leng(m) -7)

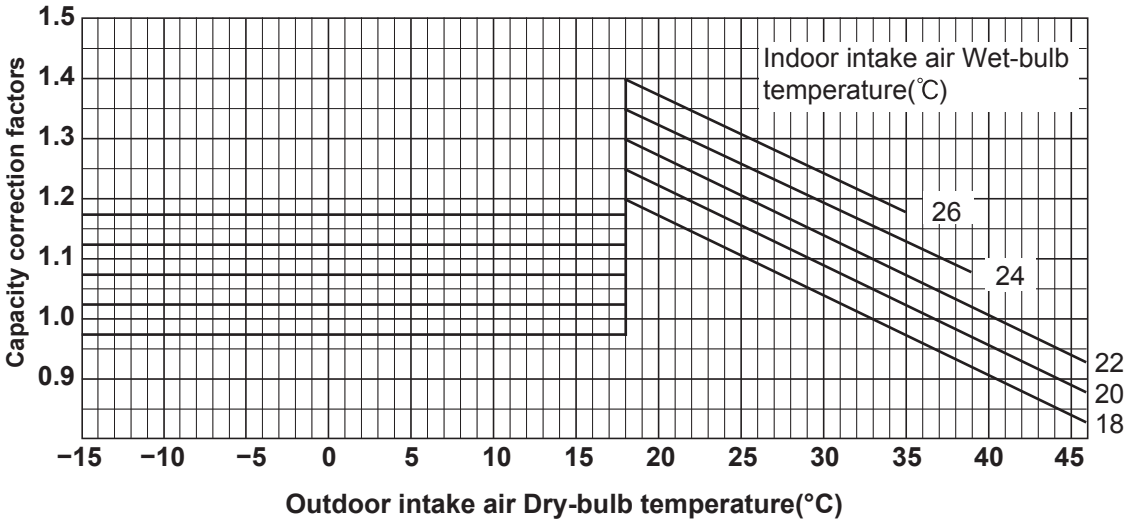
B.3.4 PERFORMANCE CURVES

B.3.4.1 R32 type

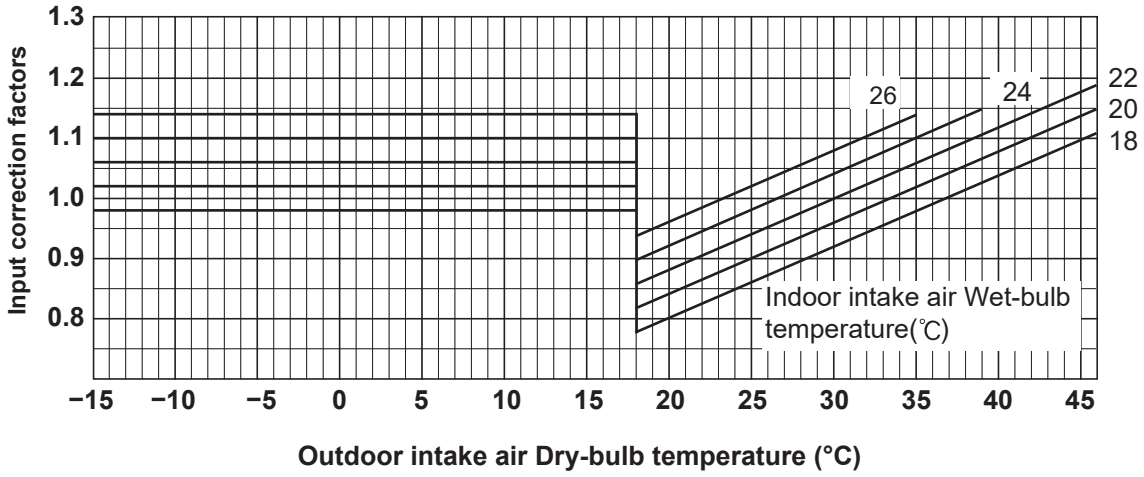
FOR THE COMBINATION OF OUTDOOR UNIT

SUZ-M25VA SUZ-M35VA SUZ-M50VA SUZ-M60VA SUZ-M71VA

Cooling capacity

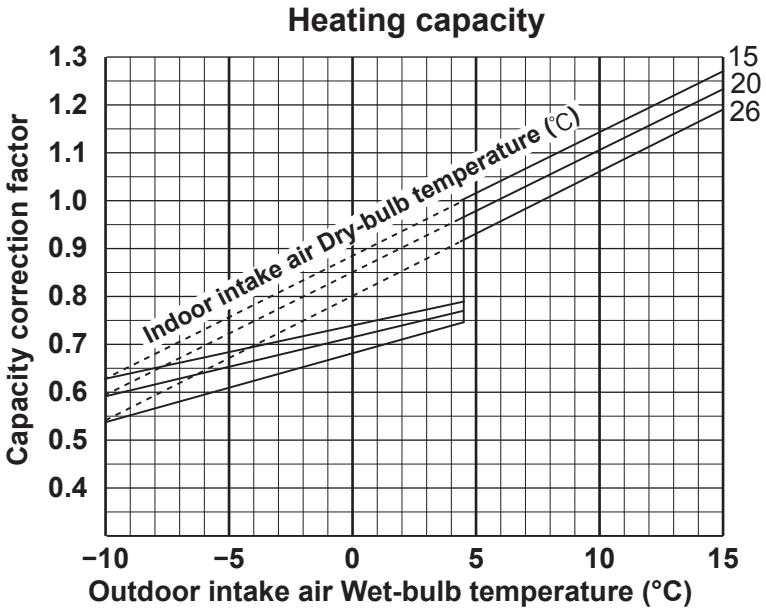


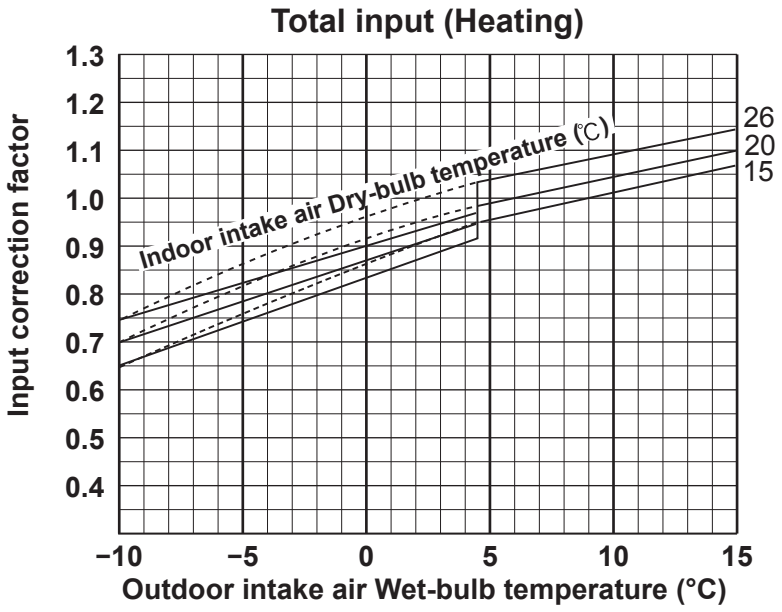
Total input (Cooling)



Lower limit of guaranteed operating range in cooling
SUZ-M25,35VA:−10°C
SUZ-M50,60,71VA: −15°C

FOR THE COMBINATION OF OUTDOOR UNIT
SUZ-M25VA SUZ-M35VA SUZ-M50VA SUZ-M60VA SUZ-M71VA



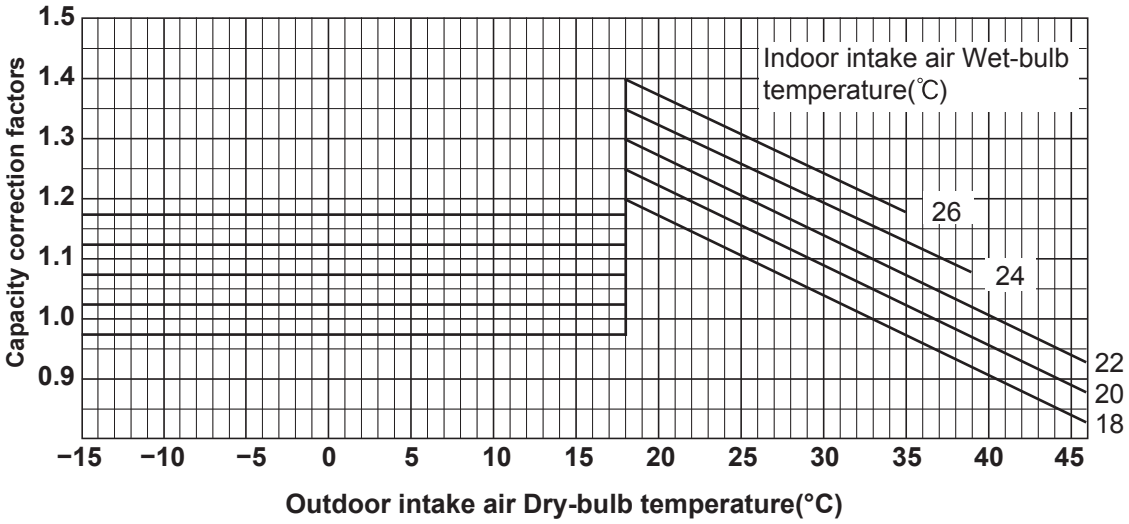


B.3.4.2 R410A type

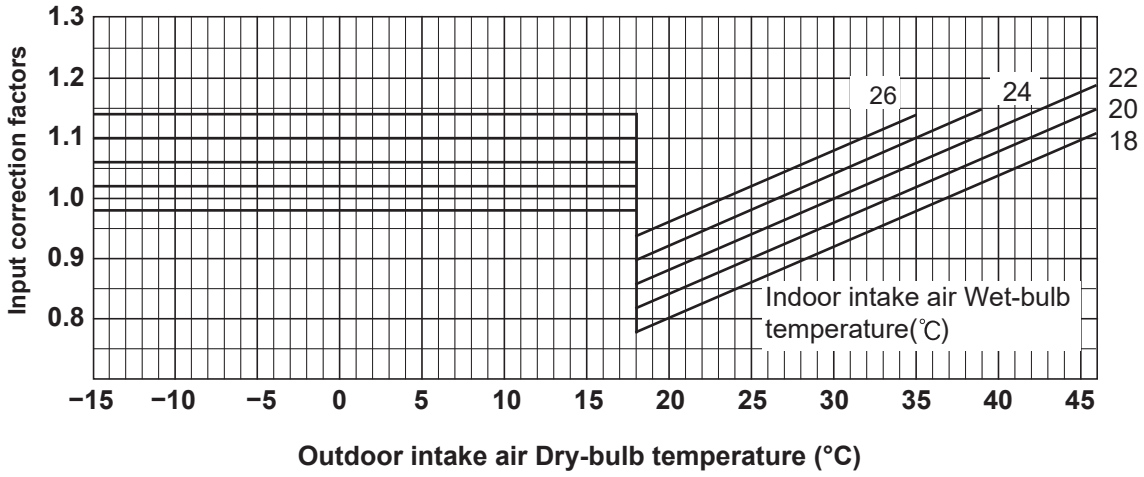
FOR THE COMBINATION OF OUTDOOR UNIT

SUZ-KA25VA6 SUZ-KA35VA6 SUZ-KA50VA6 SUZ-KA60VA6 SUZ-KA71VA6

Cooling capacity

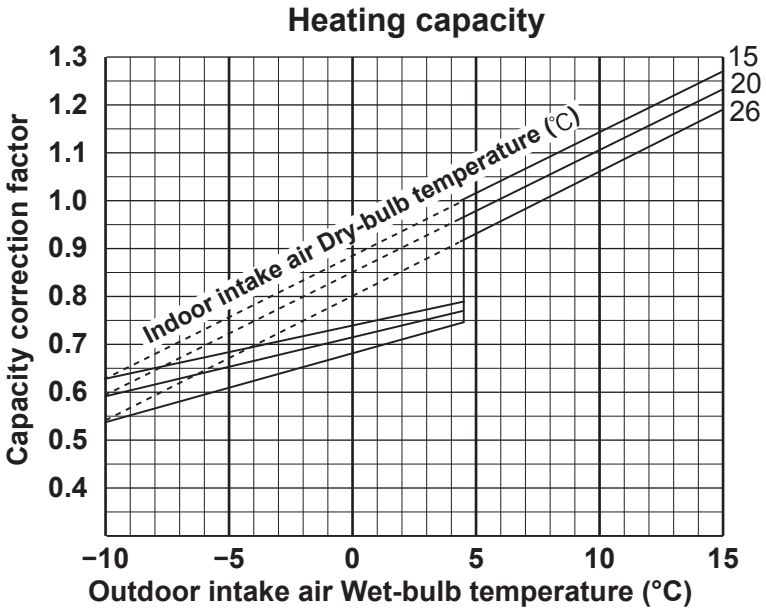


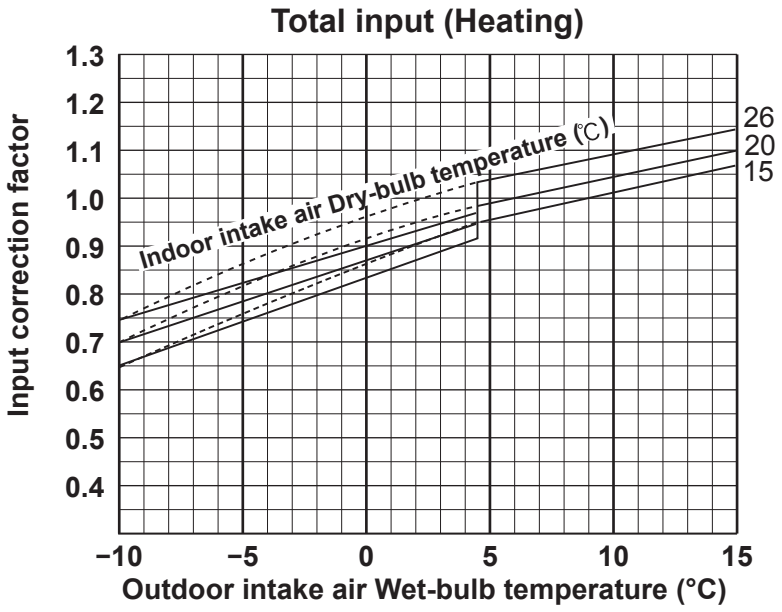
Total input (Cooling)



Lower limit of guaranteed operating range in cooling
SUZ-KA25,35VA6:−10°C
SUZ-KA50,60,71VA6: −15°C

FOR THE COMBINATION OF OUTDOOR UNIT
SUZ-KA25VA6 SUZ-KA35VA6 SUZ-KA50VA6 SUZ-KA60VA6 SUZ-KA71VA6



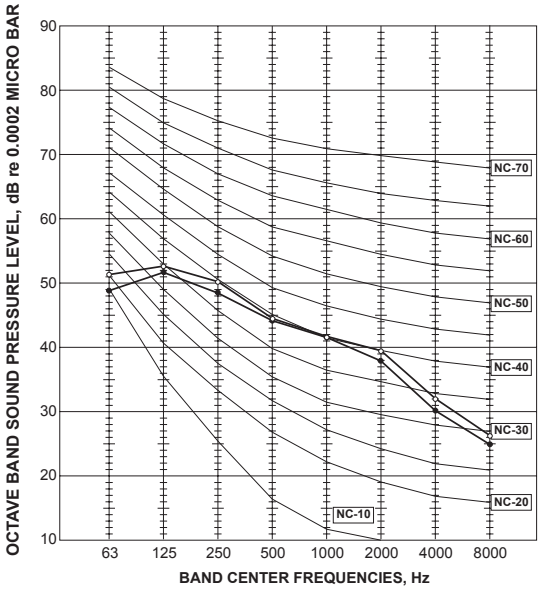


B.3.5 NOISE CRITERIA CURVES

B.3.5.1 R32 type

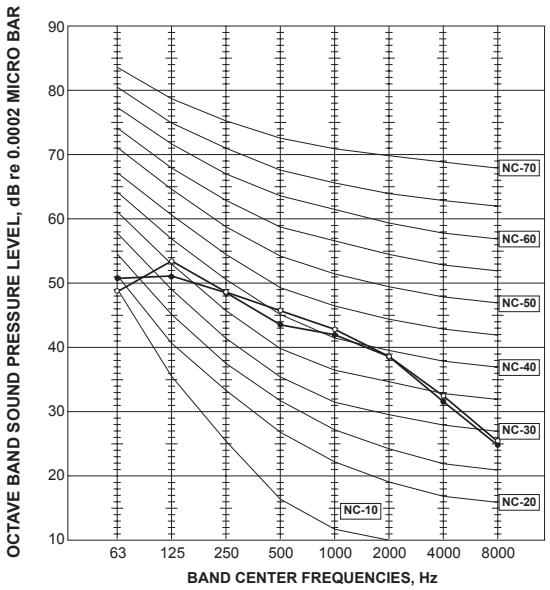
SUZ-M25VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High Med.	COOLING	45	●—●
	HEATING	46	○—○



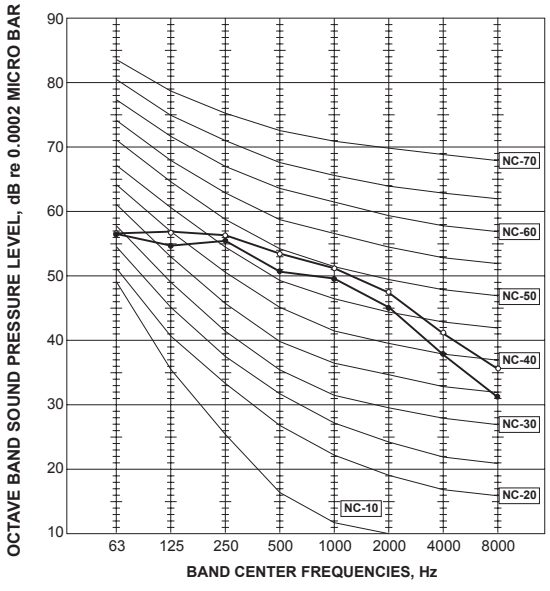
SUZ-M35VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High Med.	COOLING	48	●—●
	HEATING	48	○—○



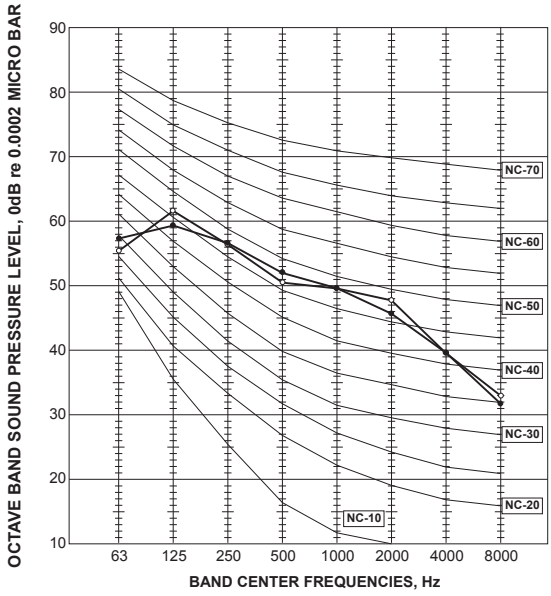
SUZ-M50VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	48	●—●
	HEATING	49	○—○

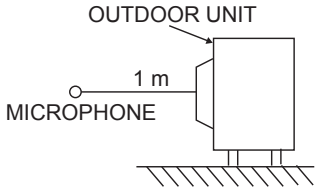


SUZ-M60VA
SUZ-M71VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	49	●—●
	HEATING	51	○—○



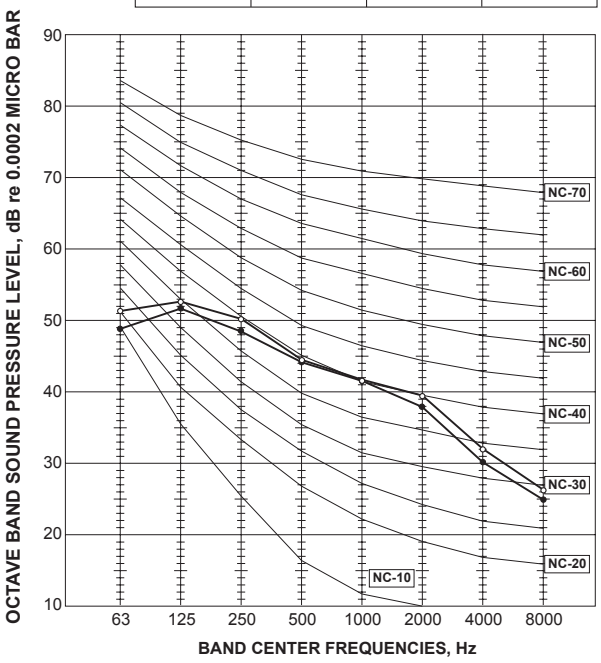
Test conditions
Cooling: Dry-bulb temperature 35°C
Heating: Dry-bulb temperature 7°C
Wet-bulb temperature 6°C



B.3.5.2 R410A type

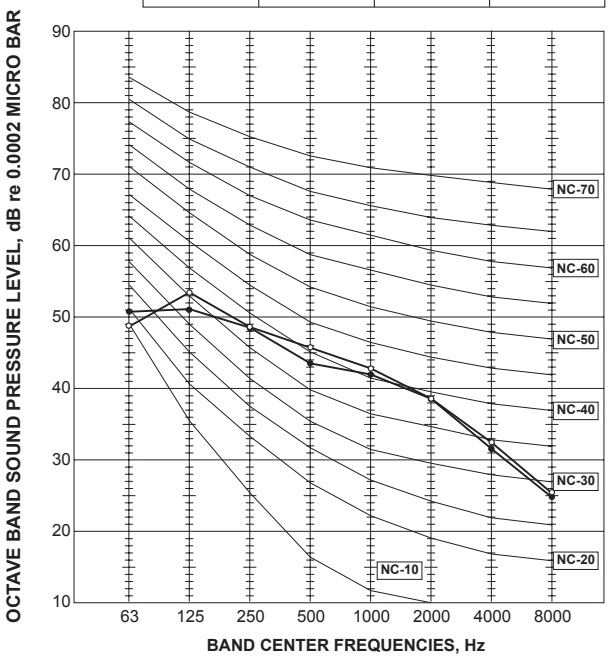
SUZ-KA25VA6

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High Med.	COOLING	47	●—●
	HEATING	48	○—○



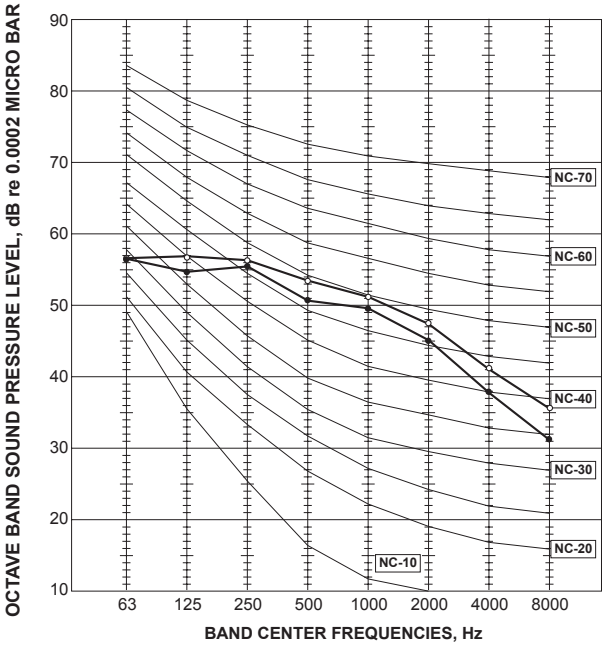
SUZ-KA35VA6

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High Med.	COOLING	49	●—●
	HEATING	50	○—○



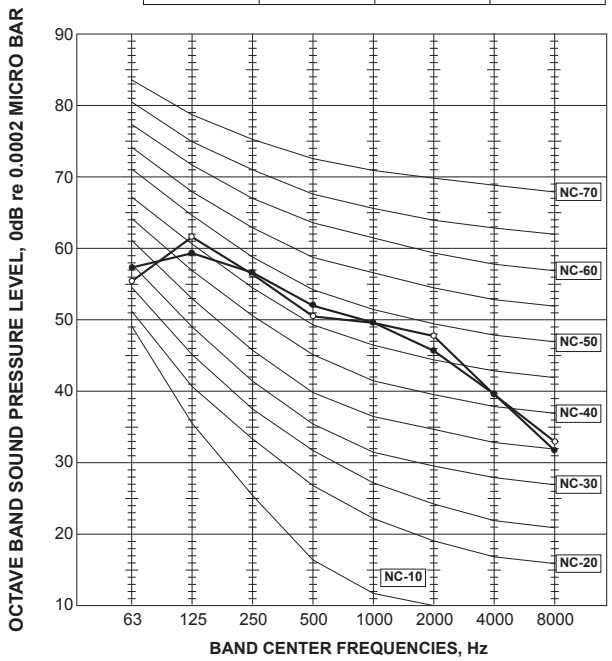
SUZ-KA50VA6

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	52	●—●
	HEATING	52	○—○

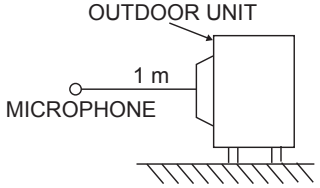


SUZ-KA60VA6
SUZ-KA71VA6

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	55	●—●
	HEATING	55	○—○



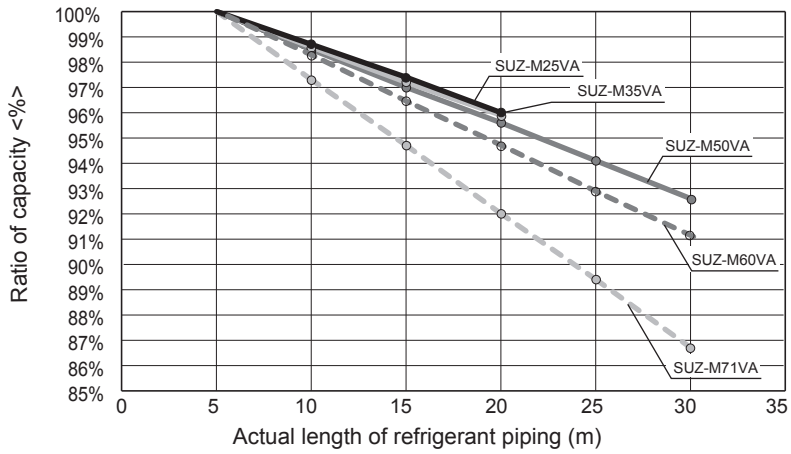
Test conditions
Cooling: Dry-bulb temperature 35°C
Heating: Dry-bulb temperature 7°C
Wet-bulb temperature 6°C



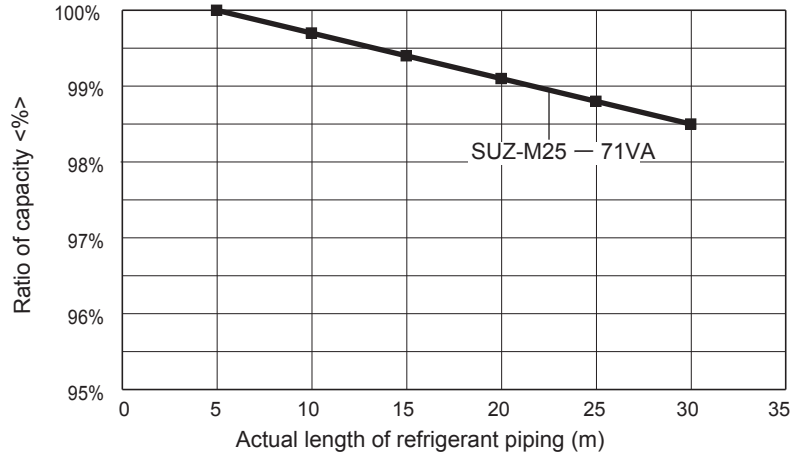
B.3.6 CAPACITY CORRECTION RATIO CURVE PIPING LENGTH

B.3.6.1 R32 type

Correction ratio of capacity according to the length of piping (cooling)



Correction ratio of capacity according to the length of piping (heating)



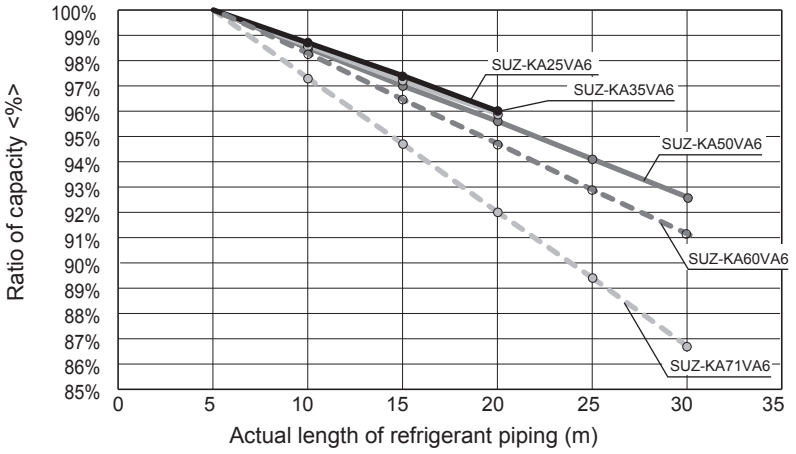
● **Up to 20m for M25,35model.**

The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

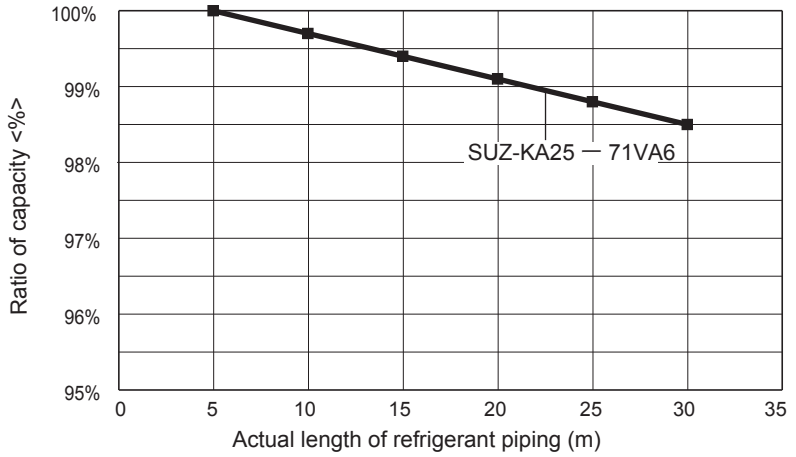
Length of refrigerant piping (m) + (Number of bends × 0.3 m) = Actual length of refrigerant piping (m)

B.3.6.2 R410A type

Correction ratio of capacity according to the length of piping (cooling)



Correction ratio of capacity according to the length of piping (heating)



● **Up to 20m for KA25,35model.**

The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

Length of refrigerant piping (m) + (Number of bends × 0.3 m) = Actual length of refrigerant piping (m)

B.3.7 EARTHQUAKE-PROOF STRENGTH ANALYSIS

B.3.7.1 R32 type

Earthquake-proof strength analysis <Anchor bolt>

1.Type: S Series Inverter Outdoor unit

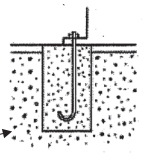
2.Model name: SUZ-M25VA

3.Specification

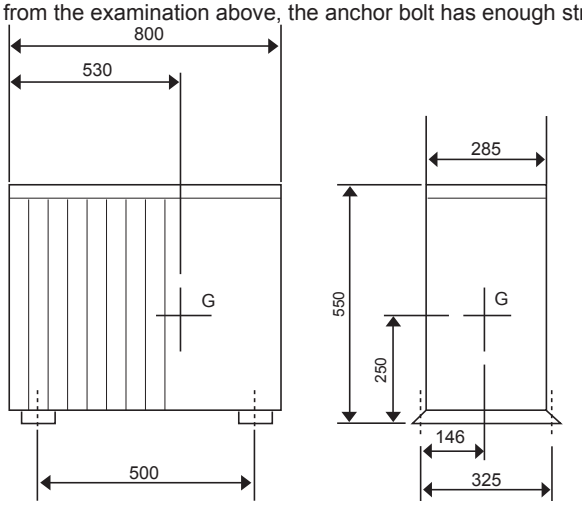
(1) Unit mass	W=	30	kg	
(2) Anchor bolt				
1.The total number of bolts.	N=	4		
2.The size and shape.	"=M	10	type	
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6} m^2
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2		
(3) The height between the installing surface and the center of gravity of the unit	Hg=	250	mm=	0.250 m
(4) The bolt-span from the examination angle	L=	325	mm=	0.325 m
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	146	mm (Lg≦L/2)=	0.146 m

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0		
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5		
(3) The horizontal earthquake forces for designing	Fh=Kh·W·9.8=	294.0	N	
(4) The vertical earthquake forces for designing	Fv=Kv·W·9.8=	147.0	N	
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	80.3	N	
(6) The shear forces of the anchor bolt	Q=Fh/N=	73.5	N	
(7) The stress arising to the anchor bolt				
1.The tensile stress.	σ=Rb/A=	1.0	MPa < ft = 176.4 MPa	
2.The shearing stress.	τ=Q/A=	0.9	MPa < fs = 132.3 MPa	
3.The stress when affected by both the shearing and the tensile at the same time. fts=1.4ft-1.6 τ =		245.5	MPa	
σ= 1.0 MPa	< fts=	176.0	MPa	
(8) The construction way of the anchor bolt				
1.The construction way of the anchor bolt.	=	Boxed J type anchor		
2.The thickness of the concrete.	=	120	mm =	0.120 m
3.The length of buried part of bolt.	=	70	mm =	0.070 m
4.The permissible withdrawal weight.	Ta=	3136	N >	Rb= 80 N



Since the results from the examination above, the anchor bolt has enough strength



Earthquake-proof strength analysis <Anchor bolt>

1.Type: S Series Inverter Outdoor unit

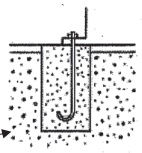
2.Model name: SUZ-M35VA

3.Specification

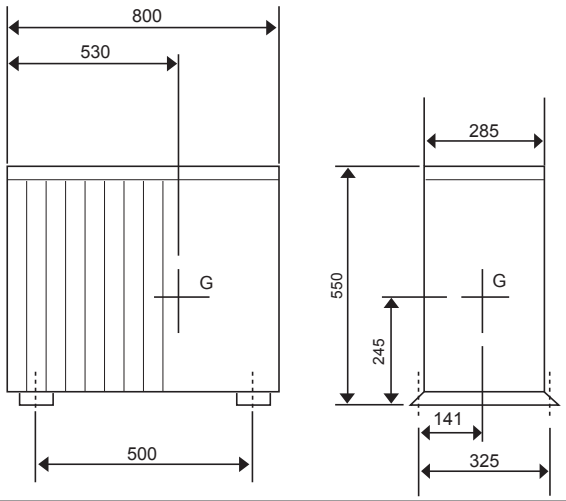
(1) Unit mass	W=	35	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	245	mm=	0.245	m	
(4) The bolt-span from the examination angle	L=	325	mm=	0.325	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	141	mm(Lg≦L/2)=	0.141	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh･W･9.8=	343.0	N		
(4) The vertical earthquake forces for designing	Fv=Kv･W･9.8=	171.5	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	92.1	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	85.8	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	1.2	MPa	< ft = 176.4 MPa	
2.The shearing stress.	τ=Q/A=	1.1	MPa	< fs = 132.3 MPa	
3.The stress when affected by both the shearing and the tensile at the same time. fts=1.4ft-1.6 τ =		245.2	MPa		
σ= 1.2 MPa	< fts=	176.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N >	Rb= 92	N



Since the results from the examination above, the anchor bolt has enough strength



Earthquake-proof strength analysis <Anchor bolt>

1.Type: S Series Inverter Outdoor unit

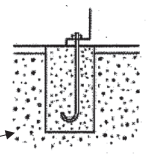
2.Model name: SUZ-M50VA

3.Specification

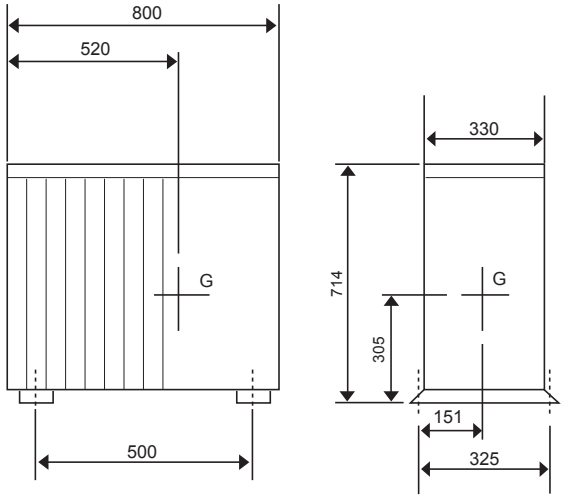
(1) Unit mass	W=	41	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	305	mm=	0.305	m	
(4) The bolt-span from the examination angle	L=	285	mm=	0.285	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	151	mm(Lg≦L/2)=	0.151	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0	N		
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5	N		
(3) The horizontal earthquake forces for designing	Fh=Kh･W･9.8=	401.8	N		
(4) The vertical earthquake forces for designing	Fv=Kv･W･9.8=	200.9	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	161.8	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	100.5	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	2.1	MPa	< ft = 176.4	MPa
2.The shearing stress.	τ=Q/A=	1.3	MPa	< fs = 132.3	MPa
3.The stress when affected by both the shearing and the tensile at the same time. fts=1.4ft-1.6τ=		244.9	MPa		
σ= 2.1 MPa	< fts=	176.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N >	Rb= 162	N



Since the results from the examination above, the anchor bolt has enough strength



Earthquake-proof strength analysis <Anchor bolt>

1.Type: S Series Inverter Outdoor unit

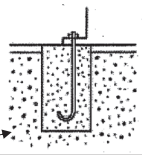
2.Model name: SUZ-M60VA

3.Specification

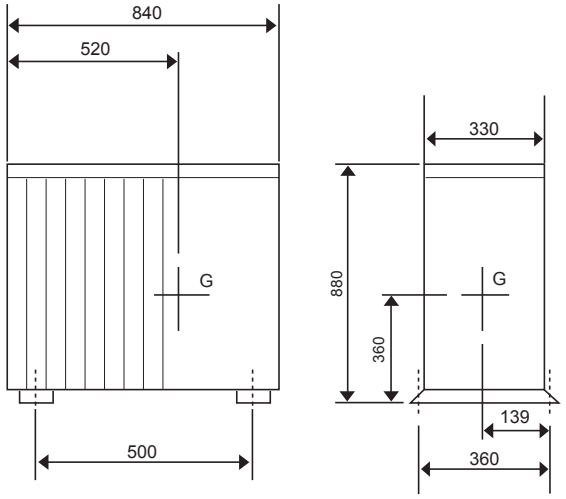
(1) Unit mass	W=	54	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	360	mm=	0.360	m	
(4) The bolt-span from the examination angle	L=	360	mm=	0.360	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	139	mm(Lg≦L/2)=	0.139	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0		
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5		
(3) The horizontal earthquake forces for designing	Fh=Kh･W･9.8=	529.2	N	
(4) The vertical earthquake forces for designing	Fv=Kv･W･9.8=	264.6	N	
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	213.9	N	
(6) The shear forces of the anchor bolt	Q=Fh/N=	132.3	N	
(7) The stress arising to the anchor bolt				
1.The tensile stress.	σ=Rb/A=	2.7	MPa< ft = 176.4 MPa	
2.The shearing stress.	τ=Q/A=	1.7	MPa < fs = 132.3 MPa	
3.The stress when affected by both the shearing and the tensile at the same time. fts=1.4ft-1.6 τ =		244.2	MPa	
σ= 2.7 MPa	< fts=	176.0	MPa	
(8) The construction way of the anchor bolt				
1.The construction way of the anchor bolt.	=	Boxed J type anchor		
2.The thickness of the concrete.	=	120	mm= 0.120	m
3.The length of buried part of bolt.	=	70	mm= 0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N > Rb=	214 N



Since the results from the examination above, the anchor bolt has enough strength



Earthquake-proof strength analysis <Anchor bolt>

1.Type: S Series Inverter Outdoor unit

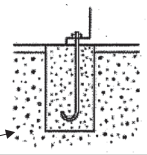
2.Model name: SUZ-M71VA

3.Specification

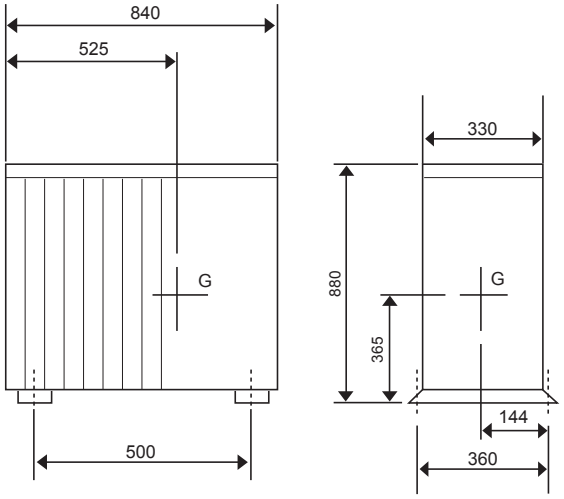
(1) Unit mass	W=	55	kg		
(2) Anchor bolt					
1.The total number of bolts.	N=	4			
2.The size and shape.	"=M	10	type		
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2			
(3) The height between the installing surface and the center of gravity of the unit	Hg=	365	mm=	0.365	m
(4) The bolt-span from the examination angle	L=	360	mm=	0.360	m
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	144	mm(Lg≦L/2)=	0.144	m

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0		
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5		
(3) The horizontal earthquake forces for designing	Fh=Kh･W･9.8=	539.0	N	
(4) The vertical earthquake forces for designing	Fv=Kv･W･9.8=	269.5	N	
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	219.3	N	
(6) The shear forces of the anchor bolt	Q=Fh/N=	134.8	N	
(7) The stress arising to the anchor bolt				
1.The tensile stress.	σ=Rb/A=	2.8	MPa< ft = 176.4 MPa	
2.The shearing stress.	τ=Q/A=	1.7	MPa < fs = 132.3 MPa	
3.The stress when affected by both the shearing and the tensile at the same time. fts=1.4ft-1.6 τ =		244.2	MPa	
σ= 2.8 MPa	< fts=	176.0	MPa	
(8) The construction way of the anchor bolt				
1.The construction way of the anchor bolt.	=	Boxed J type anchor		
2.The thickness of the concrete.	=	120	mm=	0.120 m
3.The length of buried part of bolt.	=	70	mm=	0.070 m
4.The permissible withdrawal weight.	Ta=	3136 N	>	Rb= 219 N



Since the results from the examination above, the anchor bolt has enough strength



B.3.7.2 R410A type
Earthquake-proof strength analysis <Anchor bolt>

1.Type: S Series Inverter Outdoor unit

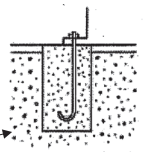
2.Model name: SUZ-KA25VA6

3.Specification

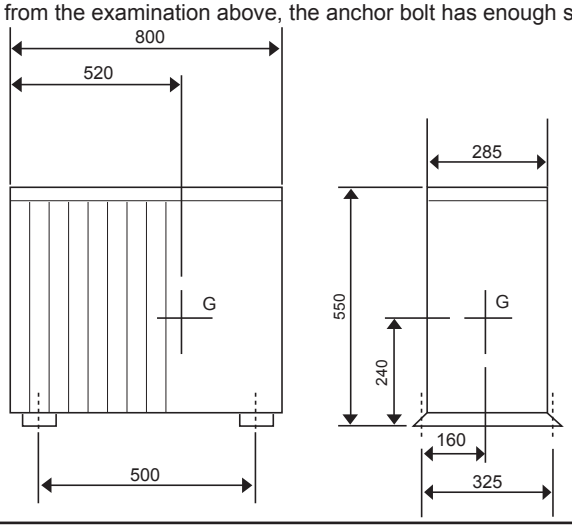
(1) Unit mass	W=	30	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	240	mm=	0.240	m	
(4) The bolt-span from the examination angle	L=	325	mm=	0.325	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	160	mm (Lg≦L/2)=	0.160	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0		
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5		
(3) The horizontal earthquake forces for designing	Fh=Kh･W･9.8=	294.0	N	
(4) The vertical earthquake forces for designing	Fv=Kv･W･9.8=	147.0	N	
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	72.4	N	
(6) The shear forces of the anchor bolt	Q=Fh/N=	73.5	N	
(7) The stress arising to the anchor bolt				
1.The tensile stress.	σ=Rb/A=	0.9	MPa＜ ft = 176.4 MPa	
2.The shearing stress.	τ=Q/A=	0.9	MPa＜ fs = 132.3 MPa	
3.The stress when affected by both the shearing and the tensile at the same time. fts=1.4ft-1.6 τ =	245.5	MPa		
σ= 0.9 MPa	＜ fts=	176.0	MPa	
(8) The construction way of the anchor bolt				
1.The construction way of the anchor bolt.	=	Boxed J type anchor		
2.The thickness of the concrete.	=	120	mm=	0.120 m
3.The length of buried part of bolt.	=	70	mm=	0.070 m
4.The permissible withdrawal weight.	Ta=	3136 N	＞	Rb= 72 N



Since the results from the examination above, the anchor bolt has enough strength



Earthquake-proof strength analysis <Anchor bolt>

1.Type: S Series Inverter Outdoor unit

2.Model name: SUZ-KA35VA6

3.Specification

(1) Unit mass W= 35 kg

(2) Anchor bolt

1.The total number of bolts. N= 4

2.The size and shape. "=M 10 type

3.The axis section area per one bolt. A= 78 mm^2= 78×10^{-6} m^2

4.The total number of bolts in one side which be pulled stronger when the unit inverted. Nt= 2

(3) The height between the installing surface and the center of gravity of the unit Hg= 240 mm= 0.240 m

(4) The bolt-span from the examination angle L= 325 mm= 0.325 m

(5) The distance between the center of bolt and the center of gravity of the unit Lg= 160 mm(Lg≦L/2)= 0.160 m

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing Kh= 1.0

(2) The vertical seismic coefficient for designing Kv=Kh/2= 0.5

(3) The horizontal earthquake forces for designing Fh=Kh･W･9.8= 343.0 N

(4) The vertical earthquake forces for designing Fv=Kv･W･9.8= 171.5 N

(5) The withdrawal strength of the anchor bolt $Rb = \frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$ = 84.4 N

(6) The shear forces of the anchor bolt Q=Fh/N= 85.8 N

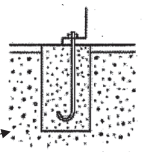
(7) The stress arising to the anchor bolt

1.The tensile stress. σ=Rb/A= 1.1 MPa < ft = 176.4 MPa

2.The shearing stress. τ=Q/A= 1.1 MPa < fs = 132.3 MPa

3.The stress when affected by both the shearing and the tensile at the same time. fts=1.4ft-1.6 τ = 245.2 MPa

σ= 1.1 MPa < fts= 176.0 MPa



(8) The construction way of the anchor bolt

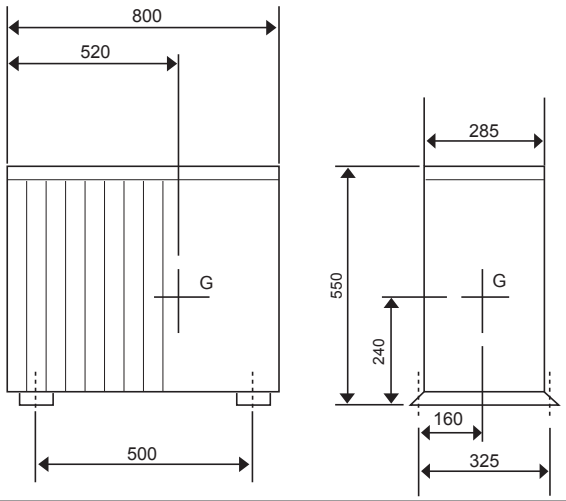
1.The construction way of the anchor bolt. = Boxed J type anchor

2.The thickness of the concrete. = 120 mm= 0.120 m

3.The length of buried part of bolt. = 70 mm= 0.070 m

4.The permissible withdrawal weight. Ta= 3136 N > Rb= 84 N

Since the results from the examination above, the anchor bolt has enough strength



Earthquake-proof strength analysis <Anchor bolt>

1.Type: S Series Inverter Outdoor unit

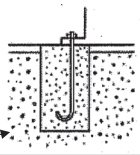
2.Model name: SUZ-KA50VA6

3.Specification

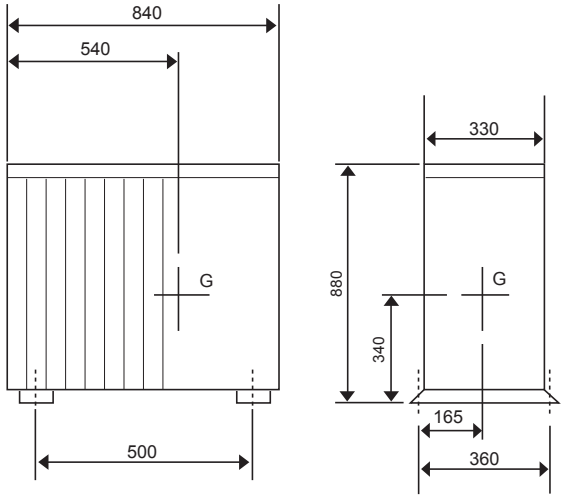
(1) Unit mass	W=	54	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	340	mm=	0.340	m	
(4) The bolt-span from the examination angle	L=	360	mm=	0.360	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	165	mm(Lg≦L/2)=	0.165	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh･W･9.8=	529.2	N		
(4) The vertical earthquake forces for designing	Fv=Kv･W･9.8=	264.6	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	189.3	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	132.3	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	2.4	MPa	< ft = 176.4 MPa	
2.The shearing stress.	τ=Q/A=	1.7	MPa	< fs = 132.3 MPa	
3.The stress when affected by both the shearing and the tensile at the same time. fts=1.4ft-1.6τ =		244.2	MPa		
σ= 2.4 MPa	< fts=	176.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N >	Rb= 189	N



Since the results from the examination above, the anchor bolt has enough strength



Earthquake-proof strength analysis <Anchor bolt>

1.Type: S Series Inverter Outdoor unit

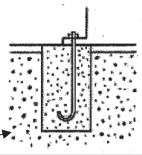
2.Model name: SUZ-KA60VA6

3.Specification

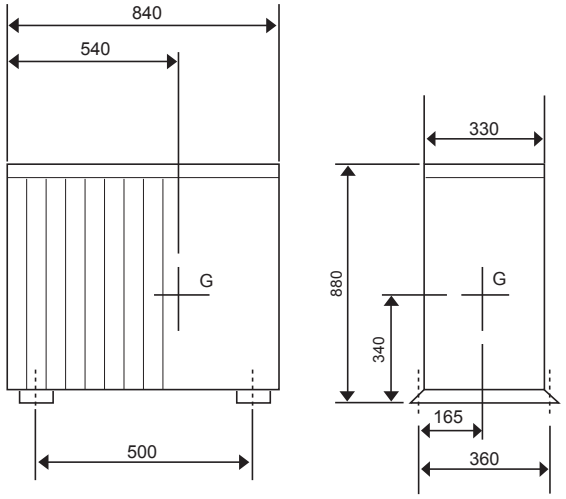
(1) Unit mass	W=	50	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	340	mm=	0.340	m	
(4) The bolt-span from the examination angle	L=	360	mm=	0.360	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	165	mm(Lg≦L/2)=	0.165	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh･W･9.8=	490.0	N		
(4) The vertical earthquake forces for designing	Fv=Kv･W･9.8=	245.0	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	175.2	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	122.5	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	2.2	MPa	< ft = 176.4 MPa	
2.The shearing stress.	τ=Q/A=	1.6	MPa	< fs = 132.3 MPa	
3.The stress when affected by both the shearing and the tensile at the same time. fts=1.4ft-1.6 τ =		244.4	MPa		
σ= 2.2 MPa	< fts=	176.0	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N >	Rb= 175	N



Since the results from the examination above, the anchor bolt has enough strength



Earthquake-proof strength analysis <Anchor bolt>

1.Type: S Series Inverter Outdoor unit

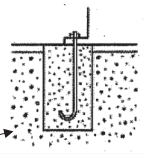
2.Model name: SUZ-KA71VA6

3.Specification

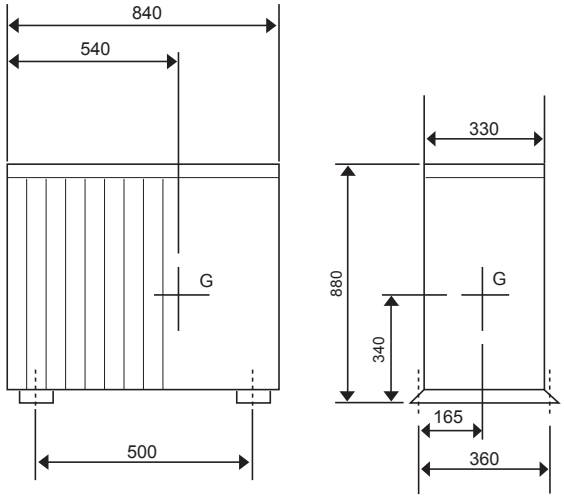
(1) Unit mass	W=	53	kg			
(2) Anchor bolt						
1.The total number of bolts.	N=	4				
2.The size and shape.	"=M	10	type			
3.The axis section area per one bolt.	A=	78	mm^2=	78×10^{-6}	m^2	
4.The total number of bolts in one side which be pulled stronger when the unit inverted.	Nt=	2				
(3) The height between the installing surface and the center of gravity of the unit	Hg=	340	mm=	0.340	m	
(4) The bolt-span from the examination angle	L=	360	mm=	0.360	m	
(5) The distance between the center of bolt and the center of gravity of the unit	Lg=	165	mm(Lg≦L/2)=	0.165	m	

4.The examination calculation (by rounding off to the first decimal place of each item)

(1) The horizontal seismic coefficient for designing	Kh=	1.0			
(2) The vertical seismic coefficient for designing	Kv=Kh/2=	0.5			
(3) The horizontal earthquake forces for designing	Fh=Kh･W･9.8=	519.4	N		
(4) The vertical earthquake forces for designing	Fv=Kv･W･9.8=	259.7	N		
(5) The withdrawal strength of the anchor bolt $Rb=\frac{Fh\cdot Hg-(W\cdot 9.8-Fv)\cdot Lg}{L\cdot Nt}$	=	185.8	N		
(6) The shear forces of the anchor bolt	Q=Fh/N=	129.9	N		
(7) The stress arising to the anchor bolt					
1.The tensile stress.	σ=Rb/A=	2.4	MPa＜ft=176.4MPa		
2.The shearing stress.	τ=Q/A=	1.7	MPa＜fs=132.3MPa		
3.The stress when affected by both the shearing and the tensile at the same time. fts=1.4ft-1.6τ=		244.2	MPa		
σ= 2.4 MPa	＜ fts=	176.4	MPa		
(8) The construction way of the anchor bolt					
1.The construction way of the anchor bolt.	=	Boxed J type anchor			
2.The thickness of the concrete.	=	120	mm=	0.120	m
3.The length of buried part of bolt.	=	70	mm=	0.070	m
4.The permissible withdrawal weight.	Ta=	3136	N ＞ Rb	186	N



Since the results from the examination above, the anchor bolt has enough strength



M series Model List

Indoor unit

MSZ-LN18VG2W
MSZ-LN18VG2V
MSZ-LN18VG2B
MSZ-LN18VG2R
MSZ-LN25VG2W
MSZ-LN25VG2V
MSZ-LN25VG2B
MSZ-LN25VG2R
MSZ-LN35VG2W
MSZ-LN35VG2V
MSZ-LN35VG2B
MSZ-LN35VG2R
MSZ-LN50VG2W
MSZ-LN50VG2V
MSZ-LN50VG2B
MSZ-LN50VG2R
MSZ-LN60VG2W
MSZ-LN60VG2V
MSZ-LN60VG2B
MSZ-LN60VG2R
MSZ-FT25VG
MSZ-FT25VGK
MSZ-FT35VG
MSZ-FT35VGK
MSZ-FT50VG
MSZ-FT50VGK
MSZ-AP15VG
MSZ-AP15VGK
MSZ-AP20VG
MSZ-AP20VGK
MSZ-AP25VG
MSZ-AP25VGK
MSZ-AP35VG
MSZ-AP35VGK
MSZ-AP42VG
MSZ-AP42VGK
MSZ-AP50VG
MSZ-AP50VGK
MSZ-AP60VG
MSZ-AP60VGK
MSZ-AP71VG
MSZ-AP71VGK
MSZ-HR25VF
MSZ-HR35VF
MSZ-HR42VF
MSZ-HR50VF
MSZ-HR60VF
MSZ-HR71VF
MSY-TP35VF
MSY-TP50VF
MSZ-FH25VE2
MSZ-FH35VE2
MSZ-FH50VE2
MSZ-EF18VGW
MSZ-EF18VGKW
MSZ-EF18VGB
MSZ-EF18VGKB
MSZ-EF18VGS
MSZ-EF18VGKS
MSZ-EF22VGW
MSZ-EF22VGKW
MSZ-EF22VGB
MSZ-EF22VGKB
MSZ-EF22VGS
MSZ-EF22VGKS
MSZ-EF25VGW
MSZ-EF25VGKW
MSZ-EF25VGB
MSZ-EF25VGKB
MSZ-EF25VGS
MSZ-EF25VGKS
MSZ-EF35VGW
MSZ-EF35VGKW
MSZ-EF35VGB
MSZ-EF35VGKB
MSZ-EF35VGS
MSZ-EF35VGKS
MSZ-EF42VGW
MSZ-EF42VGKW
MSZ-EF42VGB
MSZ-EF42VGKB
MSZ-EF42VGS
MSZ-EF42VGKS
MSZ-EF50VGW
MSZ-EF50VGKW
MSZ-EF50VGB
MSZ-EF50VGKB
MSZ-EF50VGS
MSZ-EF50VGKS
MSZ-BT20VG
MSZ-BT20VGK
MSZ-BT25VG
MSZ-BT25VGK
MSZ-BT35VG
MSZ-BT35VGK
MSZ-BT50VG
MSZ-BT50VGK
MSZ-SF15VA
MSZ-SF20VA
MSZ-SF25VE3
MSZ-SF35VE3
MSZ-SF42VE3
MSZ-SF50VE3
MSZ-GF60VE2
MSZ-GF71VE2
MSZ-WN25VA
MSZ-WN35VA
MSZ-DM25VA
MSZ-DM35VA
MSZ-HJ25VA
MSZ-HJ35VA
MSZ-HJ50VA
MSZ-HJ60VA
MSZ-HJ71VA

Outdoor unit

MUZ-LN25VG2
MUZ-LN25VGHZ2
MUZ-LN35VG2
MUZ-LN35VGHZ2
MUZ-LN50VG2
MUZ-LN50VGHZ
MUZ-LN60VG
MUZ-FT25VGHZ
MUZ-FT35VGHZ
MUZ-FT50VGHZ
MUZ-AP15VG
MUZ-AP20VG
MUZ-AP25VG
MUZ-AP25VGH
MUZ-AP35VG
MUZ-AP35VGH
MUZ-AP42VG
MUZ-AP42VGH
MUZ-AP50VG
MUZ-AP50VGH
MUZ-AP60VG
MUZ-AP71VG
MUZ-HR25VF
MUZ-HR35VF
MUZ-HR42VF
MUZ-HR50VF
MUZ-HR60VF
MUZ-HR71VF
MUY-TP35VF
MUY-TP50VF
MUZ-FH25VE
MUZ-FH25VEHZ
MUZ-FH35VE
MUZ-FH35VEHZ
MUZ-FH50VE
MUZ-FH50VEHZ
MUZ-EF25VG
MUZ-EF25VGH
MUZ-EF35VG
MUZ-EF35VGH
MUZ-EF42VG
MUZ-EF50VG
MUZ-BT20VG
MUZ-BT25VG
MUZ-BT35VG
MUZ-BT50VG
MUZ-SF25VE
MUZ-SF25VEH
MUZ-SF35VE
MUZ-SF35VEH
MUZ-SF42VE
MUZ-SF42VEH
MUZ-SF50VE
MUZ-SF50VEH
MUZ-GF60VE
MUZ-GF71VE
MUZ-WN25VA
MUZ-WN35VA
MUZ-DM25VA
MUZ-DM35VA
MUZ-HJ25VA
MUZ-HJ35VA
MUZ-HJ50VA
MUZ-HJ60VA
MUZ-HJ71VA

M series Models

COMBINATION OF SINGLE SPLIT TYPE

Type			Model Name	
			Indoor unit	Outdoor unit
M series	Inverter	Heat pump	MSZ-LN18VG2W	for MXZ connection only
			MSZ-LN18VG2V	
			MSZ-LN18VG2B	
			MSZ-LN18VG2R	
			MSZ-LN25VG2W	MUZ-LN25VG2
				MUZ-LN25VGHZ2
			MSZ-LN25VG2V	MUZ-LN25VG2
				MUZ-LN25VGHZ2
			MSZ-LN25VG2B	MUZ-LN25VG2
				MUZ-LN25VGHZ2
			MSZ-LN25VG2R	MUZ-LN25VG2
				MUZ-LN25VGHZ2
			MSZ-LN35VG2W	MUZ-LN35VG2
				MUZ-LN35VGHZ2
			MSZ-LN35VG2V	MUZ-LN35VG2
				MUZ-LN35VGHZ2
			MSZ-LN35VG2B	MUZ-LN35VG2
				MUZ-LN35VGHZ2
			MSZ-LN35VG2R	MUZ-LN35VG2
				MUZ-LN35VGHZ2
			MSZ-LN50VG2W	MUZ-LN50VG2
				MUZ-LN50VGHZ
			MSZ-LN50VG2V	MUZ-LN50VG2
				MUZ-LN50VGHZ
			MSZ-LN50VG2B	MUZ-LN50VG2
				MUZ-LN50VGHZ
			MSZ-LN50VG2R	MUZ-LN50VG2
				MUZ-LN50VGHZ
			MSZ-LN60VG2W	MUZ-LN60VG
			MSZ-LN60VG2V	MUZ-LN60VG
			MSZ-LN60VG2B	MUZ-LN60VG
			MSZ-LN60VG2R	MUZ-LN60VG
			MSZ-FT25VG	MUZ-FT25VGHZ
			MSZ-FT25VGK	
			MSZ-FT35VG	MUZ-FT35VGHZ
			MSZ-FT35VGK	
			MSZ-FT50VG	MUZ-FT50VGHZ
			MSZ-FT50VGK	
			MSZ-AP15VG	MUZ-AP15VG
			MSZ-AP15VGK	
			MSZ-AP20VG	MUZ-AP20VG
			MSZ-AP20VGK	
			MSZ-AP25VG	MUZ-AP25VG
				MUZ-AP25VGH
			MSZ-AP25VGK	MUZ-AP25VG
				MUZ-AP25VGH
			MSZ-AP35VG	MUZ-AP35VG
				MUZ-AP35VGH
			MSZ-AP35VGK	MUZ-AP35VG
				MUZ-AP35VGH
			MSZ-AP42VG	MUZ-AP42VG
				MUZ-AP42VGH
			MSZ-AP42VGK	MUZ-AP42VG
				MUZ-AP42VGH
			MSZ-AP50VG	MUZ-AP50VG
				MUZ-AP50VGH
			MSZ-AP50VGK	MUZ-AP50VG
				MUZ-AP50VGH

Type			Model Name	
			Indoor unit	Outdoor unit
M series	Inverter	Heat pump	MSZ-AP60VG	MUZ-AP60VG
			MSZ-AP60VGK	
			MSZ-AP71VG	MUZ-AP71VG
			MSZ-AP71VGK	
			MSZ-HR25VF	MUZ-HR25VF
			MSZ-HR35VF	MUZ-HR35VF
			MSZ-HR42VF	MUZ-HR42VF
			MSZ-HR50VF	MUZ-HR50VF
			MSZ-HR60VF	MUZ-HR60VF
			MSZ-HR71VF	MUZ-HR71VF
			MSY-TP35VF	MUY-TP35VF
			MSY-TP50VF	MUY-TP50VF
			MSZ-FH25VE2	MUZ-FH25VE
				MUZ-FH25VEHZ
			MSZ-FH35VE2	MUZ-FH35VE
				MUZ-FH35VEHZ
			MSZ-FH50VE2	MUZ-FH50VE
				MUZ-FH50VEHZ
			MSZ-EF18VGW	for MXZ connection only
			MSZ-EF18VGKW	
			MSZ-EF18VGB	
			MSZ-EF18VGKB	
			MSZ-EF18VGS	
			MSZ-EF18VGKS	
			MSZ-EF22VGW	
			MSZ-EF22VGKW	
			MSZ-EF22VGB	
			MSZ-EF22VGKB	
			MSZ-EF22VGS	
			MSZ-EF22VGKS	
			MSZ-EF25VGW	MUZ-EF25VG
				MUZ-EF25VGH
			MSZ-EF25VGKW	MUZ-EF25VG
				MUZ-EF25VGH
			MSZ-EF25VGB	MUZ-EF25VG
				MUZ-EF25VGH
			MSZ-EF25VGKB	MUZ-EF25VG
				MUZ-EF25VGH
			MSZ-EF25VGS	MUZ-EF25VG
				MUZ-EF25VGH
			MSZ-EF25VGKS	MUZ-EF25VG
				MUZ-EF25VGH
			MSZ-EF35VGW	MUZ-EF35VG
				MUZ-EF35VGH
			MSZ-EF35VGKW	MUZ-EF35VG
				MUZ-EF35VGH
			MSZ-EF35VGB	MUZ-EF35VG
				MUZ-EF35VGH
			MSZ-EF35VGKB	MUZ-EF35VG
				MUZ-EF35VGH
			MSZ-EF35VGS	MUZ-EF35VG
				MUZ-EF35VGH
			MSZ-EF35VGKS	MUZ-EF35VG
				MUZ-EF35VGH

Type			Model Name	
			Indoor unit	Outdoor unit
M series	Inverter	Heat pump	MSZ-EF42VGW	MUZ-EF42VG
			MSZ-EF42VGKW	
			MSZ-EF42VGB	MUZ-EF42VG
			MSZ-EF42VGKB	
			MSZ-EF42VGS	MUZ-EF42VG
			MSZ-EF42VGKS	
			MSZ-EF50VGW	MUZ-EF50VG
			MSZ-EF50VGKW	
			MSZ-EF50VGB	MUZ-EF50VG
			MSZ-EF50VGKB	
			MSZ-EF50VGS	MUZ-EF50VG
			MSZ-EF50VGKS	
			MSZ-BT20VG	MUZ-BT20VG
			MSZ-BT20VGK	
			MSZ-BT25VG	MUZ-BT25VG
			MSZ-BT25VGK	
			MSZ-BT35VG	MUZ-BT35VG
			MSZ-BT35VGK	
			MSZ-BT50VG	MUZ-BT50VG
			MSZ-BT50VGK	
			MSZ-SF15VA	for MXZ connection only
			MSZ-SF20VA	
			MSZ-SF25VE3	MUZ-SF25VE
				MUZ-SF25VEH
			MSZ-SF35VE3	MUZ-SF35VE
				MUZ-SF35VEH
			MSZ-SF42VE3	MUZ-SF42VE
				MUZ-SF42VEH
			MSZ-SF50VE3	MUZ-SF50VE
				MUZ-SF50VEH
			MSZ-GF60VE2	MUZ-GF60VE
			MSZ-GF71VE2	MUZ-GF71VE
			MSZ-WN25VA	MUZ-WN25VA
			MSZ-WN35VA	MUZ-WN35VA
			MSZ-DM25VA	MUZ-DM25VA
			MSZ-DM35VA	MUZ-DM35VA
			MSZ-HJ25VA	MUZ-HJ25VA
			MSZ-HJ35VA	MUZ-HJ35VA
			MSZ-HJ50VA	MUZ-HJ50VA
			MSZ-HJ60VA	MUZ-HJ60VA
			MSZ-HJ71VA	MUZ-HJ71VA

Type			Model Name	
			Indoor unit	Outdoor unit
Floor-Standing	Inverter	Heat pump	MFZ-KJ25VE2	MUFZ-KJ25VE
				MUFZ-KJ25VEHZ
			MFZ-KJ35VE2	MUFZ-KJ35VE
				MUFZ-KJ35VEHZ
			MFZ-KJ50VE2	MUFZ-KJ50VE
				MUFZ-KJ50VEHZ
			MFZ-KT25VG	SUZ-M25VA
			MFZ-KT35VG	SUZ-M35VA
			MFZ-KT50VG	SUZ-M50VA
			MFZ-KT60VG	SUZ-M60VA
Ceiling Cassette	Inverter	Heat pump	MLZ-KP25VF	SUZ-M25VA
			MLZ-KP35VF	SUZ-M35VA
			MLZ-KP50VF	SUZ-M50VA

Indoor Unit Compatibility Table

■ MXZ Series R32

Possible combinations of outdoor units and indoor units are shown below.

Indoor Unit			Outdoor Unit: Inverter Models Heat pump type														
			MXZ-*3 2F33VF3	MXZ-*3 2F42VF3	MXZ-*3 2F53VF(H)3	MXZ-*3 2F53VFHZ	MXZ-*3 3F54VF3	MXZ-*3 3F68VF3	MXZ-*3 4F72VF3	MXZ-*3 4F80VF3	MXZ-*3 4F83VF	MXZ-*3 4F83VFHZ	MXZ-*3 5F102VF	MXZ-*3 6F122VF	MXZ-*3 2HA40VF	MXZ-*3 2HA50VF	MXZ-*3 3HA50VF
M series	Wall-Mounted	MSZ-LN18VG2(W)(V)(R)(B)	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-LN25VG2(W)(V)(R)(B)	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-LN35VG2(W)(V)(R)(B)		●	●	●	●	●	●	●	●	●	●	●			
		MSZ-LN50VG2(W)(V)(R)(B)					●	●	●	●	●	●	●	●			
		MSZ-FT25VG															
		MSZ-FT35VG															
		MSZ-FT50VG															
		MSZ-AP15VG(K)	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-AP20VG(K)	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-AP25VG(K)	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-AP35VG(K)		●	●	●	●	●	●	●	●	●	●	●			
		MSZ-AP42VG(K)			●	●	●	●	●	●	●	●	●	●			
		MSZ-AP50VG(K)			●	●	●	●	●	●	●	●	●	●			
		MSZ-AP60VG(K)						●	●	●	●	●	●	●			
		MSZ-AP71VG(K)									●	●	●	●			
		MSZ-EF18VG(K)(W)(B)(S)	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-EF22VG(K)(W)(B)(S)	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-EF25VG(K)(W)(B)(S)	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-EF35VG(K)(W)(B)(S)		●	●	●	●	●	●	●	●	●	●	●			
		MSZ-EF42VG(K)(W)(B)(S)			●	●	●	●	●	●	●	●	●	●			
		MSZ-EF50VG(K)(W)(B)(S)			●	●	●	●	●	●	●	●	●	●			
		MSZ-BT20VG(K)	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-BT25VG(K)	●	●	●	●	●	●	●	●	●	●	●	●			
		MSZ-BT35VG(K)		●	●	●	●	●	●	●	●	●	●	●			
		MSZ-BT50VG(K)															
		MSZ-HR25VF													●	●	●
		MSZ-HR35VF													●	●	●
		MSZ-HR42VF														●	●
		MSZ-HR50VF															●
		MSZ-HR60VF															
		MSZ-HR71VF															
	Floor-Standing	MFZ-KT25VG	●	●	●	●	●	●	●	●	●	●	●	●			
		MFZ-KT35VG		●	●	●	●	●	●	●	●	●	●	●			
		MFZ-KT50VG					●	●	●	●	●	●	●	●			
	1-way Cassette	MLZ-KP25VF	●	●	●	●	●	●	●	●	●	●	●	●			
		MLZ-KP35VF		●	●	●	●	●	●	●	●	●	●	●			
		MLZ-KP50VF					●	●	●	●	●	●	●	●			
S series	2×2 Cassette	SLZ-M15FA	●	●	●	●	●	●	●	●	●	●	●	●			
		SLZ-M25FA	●	●	●	●	●	●	●	●	●	●	●	●			
		SLZ-M35FA		●	●	●	●	●	●	●	●	●	●	●			
		SLZ-M50FA					●	●	●	●	●	●	●	●			
	Ceiling-Concealed	SEZ-M25DA*2	●	●	●	●	●	●	●	●	●	●	●	●			
		SEZ-M25DAL*2	●	●	●	●	●	●	●	●	●	●	●	●			
		SEZ-M35DA		●	●	●	●	●	●	●	●	●	●	●			
		SEZ-M35DAL		●	●	●	●	●	●	●	●	●	●	●			
		SEZ-M50DA					●	●	●	●	●	●	●	●			
		SEZ-M50DAL					●	●	●	●	●	●	●	●			
		SEZ-M60DA						●	●	●	●	●	●	●			
		SEZ-M60DAL						●	●	●	●	●	●	●			
		SEZ-M71DA									●	●	●	●			
		SEZ-M71DAL									●	●	●	●			
P series	Ceiling-Suspended	PCA-M50KA					●	●	●	●							
		PCA-M60KA						●	●	●							
		PCA-M71KA															
	Ceiling-Concealed	PEAD-M50JA					●*1	●*1	●*1	●							
		PEAD-M50JAL					●*1	●*1	●*1	●							
		PEAD-M60JA															
		PEAD-M60JAL															
		PEAD-M71JA															
		PEAD-M71JAL															

*1 Maximum total current of indoor units: 3A or less.
*2 SEZ-M25 cannot be connected with MXZ-2F/3F/4F when total capacity of connected indoor units is equivalent to outdoor capacity (capacity ratio is 1).
*3 MXZ outdoor units are not designed to operate with a single indoor unit with one-to-one piping work. Please install at least two indoor units.

■ MXZ Series R410A

Possible combinations of outdoor units and indoor units are shown below.

Indoor Unit \ Outdoor Unit			Inverter Models Heat pump type												
			MXZ-*3 2D33VA	MXZ-*3 2D42VA2	MXZ-*3 2D53VA(H)2	MXZ-*3 2E53VAHZ	MXZ-*3 3E54VA	MXZ-*3 3E68VA	MXZ-*3 4E72VA	MXZ-*3 4E83VA	MXZ-*3 4E83VAHZ	MXZ-*3 5E102VA	MXZ-*3 6D122VA2	MXZ-*3 2DM40VA	MXZ-*3 3DM50VA
M series	Wall-Mounted	MSZ-AP15VG*7	●	●	●	●	●	●	●	●	●	●	●		
		MSZ-AP20VG*7	●	●	●	●	●	●	●	●	●	●	●		
		MSZ-AP25VG*7	●	●	●	●	●	●	●	●	●	●	●		
		MSZ-AP35VG*7		●	●	●	●	●	●	●	●	●	●		
		MSZ-AP42VG*7			●	●	●	●	●	●	●	●	●		
		MSZ-AP50VG*7			●	●	●	●	●	●	●	●	●		
		MSZ-EF18VG(W)(B)(S)	●	●	●	●	●	●	●	●	●	●	●		
		MSZ-EF22VG(W)(B)(S)	●	●	●	●	●	●	●	●	●	●	●		
		MSZ-EF25VG(W)(B)(S)	●	●	●	●	●	●	●	●	●	●	●		
		MSZ-EF35VG(W)(B)(S)		●	●	●	●	●	●	●	●	●	●		
		MSZ-EF42VG(W)(B)(S)			●	●	●	●	●	●	●	●	●		
		MSZ-EF50VG(W)(B)(S)			●	●	●	●	●	●	●	●	●		
		MSZ-FH25VE2	●	●	●	●	●	●	●	●	●	●	●		
		MSZ-FH35VE2		●	●	●	●	●	●	●	●	●	●		
		MSZ-FH50VE2					●	●	●	●	●	●	●		
		MSZ-SF15VA	●	●	●	●	●	●	●	●	●	●	●		
		MSZ-SF20VA	●	●	●	●	●	●	●	●	●	●	●		
		MSZ-SF25VE3	●	●	●	●	●	●	●	●	●	●	●		
		MSZ-SF35VE3		●	●	●	●	●	●	●	●	●	●		
		MSZ-SF42VE3			●	●	●	●	●	●	●	●	●		
		MSZ-SF50VE3			●	●	●	●	●	●	●	●	●		
		MSZ-GF60VE2						●	●	●	●	●	●		
		MSZ-GF71VE2								●	●	●	●		
		MSZ-DM25VA												●	●
		MSZ-DM35VA												●	●
		MSZ-HJ25VA												●	●
		MSZ-HJ35VA												●	●
		MSZ-HJ50VA													●
	Floor-Standing	MFZ-KJ25VE2	●*4*5	●*4	●*4	●	●*4	●*4	●	●	●	●	●		
		MFZ-KJ35VE2		●*4	●*4	●	●*4	●*4	●	●	●	●	●		
		MFZ-KJ50VE2					●*4	●*4	●	●	●	●	●		
	1-way Cassette	MLZ-KP25VF	●	●	●	●	●	●	●	●	●	●	●		
		MLZ-KP35VF		●	●	●	●	●	●	●	●	●	●		
		MLZ-KP50VF					●	●	●	●	●	●	●		
S series	2×2 Cassette	SLZ-M15FA													
		SLZ-M25FA	●	●	●	●	●	●	●	●	●	●	●		
		SLZ-M35FA		●	●	●	●	●	●	●	●	●	●		
		SLZ-M50FA					●	●	●	●	●	●	●		
	Ceiling-Concealed	SEZ-M25DA*2	●	●	●	●	●	●	●	●	●	●	●		
		SEZ-M25DAL*2	●	●	●	●	●	●	●	●	●	●	●		
		SEZ-M35DA		●	●	●	●	●	●	●	●	●	●		
		SEZ-M35DAL		●	●	●	●	●	●	●	●	●	●		
		SEZ-M50DA					●	●	●	●	●	●	●		
		SEZ-M50DAL					●	●	●	●	●	●	●		
		SEZ-M60DA						●	●	●	●	●	●		
		SEZ-M60DAL						●	●	●	●	●	●		
		SEZ-M71DA								●	●	●	●		
		SEZ-M71DAL								●	●	●	●		
P series	4-way Cassette	PLA-M50EA					●	●	●	●	●	●	●		
		PLA-M60EA						●	●	●	●*6	●	●		
		PLA-M71EA								●	●*6	●	●		
	Ceiling-Suspended	PCA-M50KA					●	●	●	●	●*6	●	●		
		PCA-M60KA						●	●	●	●*6	●	●		
		PCA-M71KA								●	●*6	●	●		
	Ceiling-Concealed	PEAD-M50JA					●*1	●*1	●*1	●*1	●*1*6	●*1	●*1		
		PEAD-M50JAL					●*1	●*1	●*1	●*1	●*1*6	●*1	●*1		
		PEAD-M60JA								●*1	●*1*6	●*1	●*1		
		PEAD-M60JAL								●*1	●*1*6	●*1	●*1		
		PEAD-M71JA								●*1	●*1*6	●*1	●*1		
		PEAD-M71JAL								●*1	●*1*6	●*1	●*1		

*1 Maximum total current of indoor units: 3A or less.
*2 SEZ-KD25 cannot be connected with MXZ-2D(E)/3E/4E/5E when total capacity of connected indoor units is equivalent to outdoor capacity (capacity ratio is 1).
*3 MXZ outdoor units are not designed to operate with a single indoor unit with one-to-one piping work. Please install at least two indoor units.
*4 When connecting the MFZ-KJ Series indoor unit, additional refrigerant is required. For details, please refer to page 104.
*5 Regarding MXZ-2D33, the second unit should be a different type in the case of selecting one MFZ-KJ.
*6 P series cannot be connected with MXZ-4E83VAHZ when ampere limit adjustment function is operated.
*7 Connectable outdoor unit are MXZ-2D33VA-E4, MXZ-2D42VA2-E4, MXZ-2D53VA2-E4, MXZ-2E53VAHZ-E2, MXZ-3E54VA-E2, MXZ-3E68VA-E2, MXZ-4E72VA-E2, MXZ-4E83VA-E4, MXZ-4E83VAHZ-E3, MXZ-5E102VA-E4.

C.1 WALL-MOUNTED

C.1.1 SPECIFICATIONS

C.1.1.1 Inverter

Indoor Unit					MSZ-LN18VG2	MSZ-LN25VG2	MSZ-LN35VG2	MSZ-LN50VG2	MSZ-LN60VG2
Outdoor Unit					for MXZ connecion	MUZ-LN25VG2	MUZ-LN35VG2	MUZ-LN50VG2	MUZ-LN60VG
Refrigerant					R32(*1)	R32(*1)	R32(*1)	R32(*1)	R32(*1)
Power Supply	Source				Outdoor Power supply	Outdoor Power supply	Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
	Outdoor(V/Phase/Hz)				230/Single/50	230/Single/50	230/Single/50	230/Single/50	230/Single/50
Cooling	Design load			kW	-	2.5	3.5	5.0	6.1
	Annual electricity consumption(*2)			kWh/a	-	83	129	205	285
	SEER				-	10.5	9.5	8.5	7.5
		Energy efficiency class			-	A+++	A+++	A+++	A++
	Capacity	Rated		kW	-	2.5	3.5	5.0	6.1
		Min-Max		kW	-	1.0-3.5	0.8-4.0	1.0-6.0	1.4-6.9
	SHF				-	0.97	0.9	0.77	0.75
	Total Input	Rated		kW	-	0.485	0.820	1.380	1.790
	EER				-	5.15	4.27	3.62	3.41
		EEL Rank			-	A	A	A	A
Heating (Average Season)	Design load			kW	-	3.0(-10ºC)	3.6(-10ºC)	4.5(-10ºC)	6.0(-10ºC)
	Declared Capacity	at reference design temperature		kW	-	3.0(-10ºC)	3.6(-10ºC)	4.5(-10ºC)	6.0(-10ºC)
		at bivalent temperature		kW	-	3.0(-10ºC)	3.6(-10ºC)	4.5(-10ºC)	6.0(-10ºC)
		at operation limit temperature		kW	-	2.5(-15ºC)	3.2(-15ºC)	4.2(-15ºC)	6.0(-15ºC)
	Back up heating capacity			kW	-	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption(*2)			kWh/a	-	807	987	1369	1826
	SCOP				-	5.2	5.1	4.6	4.6
		Energy efficiency class			-	A+++	A+++	A++	A++
	Capacity	Rated		kW	-	3.2	4.0	6.0	6.8
		Min-Max		kW	-	0.7-5.4	0.9-6.3	1.0-8.2	1.8-9.3
	Total Input	Rated		kW	-	0.600	0.820	1.480	1.810
	COP				-	5.33	4.88	4.05	3.76
		EEL Rank			-	A	A	A	A
Heating (Warmer Season)	Design load			kW	-	1.7(2ºC)	2.0(2ºC)	2.5(2ºC)	3.3(2ºC)
	Declared Capacity	at reference design temperature		kW	-	1.7(2ºC)	2.0(2ºC)	2.5(2ºC)	3.3(2ºC)
		at bivalent temperature		kW	-	1.7(2ºC)	2.0(2ºC)	2.5(2ºC)	3.3(2ºC)
		at operation limit temperature		kW	-	2.5(-15ºC)	3.2(-15ºC)	4.2(-15ºC)	6.0(-15ºC)
	Back up heating capacity			kW	-	0.0(2ºC)	0.0(2ºC)	0.0(2ºC)	0.0(2ºC)
	Annual electricity consumption(*2)			kWh/a	-	369	431	602	779
	SCOP				-	6.4	6.5	5.8	5.9
		Energy efficiency class			-	A+++	A+++	A+++	A+++
Operating Current(Max)				A	-	7.1	9.9	13.9	15.2
Indoor Unit	Input	Rated		kW	0.027	0.027	0.027	0.034	0.040
	Operating Current(Max)			A	0.3	0.3	0.3	0.4	0.4
	Dimensions	H x W x D		mm	307 x 890 x 233	307 x 890 x 233	307 x 890 x 233	307 x 890 x 233	307 x 890 x 233
	Weight			kg	14.5(W)15.5(V,R,B)	14.5(W)15.5(V,R,B)	14.5(W)15.5(V,R,B)	15(W)16(V,R,B)	15(W)16(V,R,B)
	Air Volume	Cooling		m^3/min	4.7-5.9-7.1-9.2-12.4	4.7-5.9-7.1-9.2-12.4	4.7-5.9-7.1-9.2-13.0	5.7-7.6-8.8-10.6-13.9	7.1-8.8-10.6-12.7-15.7
	(SLo-Lo-Mid-Hi-SHi (*3)(Dry/Wet))	Heating		m^3/min	4.5-6.6-7.5-11.0-13.9	4.5-6.6-7.5-11.0-13.9	4.5-6.6-7.5-11.0-13.9	5.4-6.4-8.5-10.7-15.7	6.6-9.5-11.5-13.6-15.7
	Sound Level (SPL)	Cooling		dB(A)	19-23-29-36-42	19-23-29-36-42	19-24-29-36-43	27-31-35-39-46	29-37-41-45-49
	(SLo-Lo-Mid-Hi-SHi (*3))	Heating		dB(A)	19-24-29-38-45	19-24-29-38-45	19-24-29-38-45	25-29-34-39-47	29-37-41-45-49
	Sound Level (PWL)	Cooling		dB(A)	58	58	59	60	65
Outdoor Unit	Dimensions	H x W x D		mm	-	550 x 800 x 285	550 x 800 x 285	714 x 800 x 285	880 x 840 x 330
	Weight			kg	-	33	34	40	55
	Air Volume	Cooling		m^3/min	-	34.3	34.3	40	50.1
		Heating		m^3/min	-	32.7	32.7	40.5	51.3
	Sound Level (SPL)	Cooling		dB(A)	-	46	49	51	55
		Heating		dB(A)	-	49	50	54	55
	Sound Level (PWL)	Cooling		dB(A)	-	60	61	64	65
	Operating Current(Max)			A	-	6.8	9.6	13.5	14.8
	Breaker Size			A	-	10	10	16	16
Ext.Piping	Diameter	Liquid/Gas		mm	-	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
	Max.Length	Out-In		m	-	20	20	30	30
	Max.Height	Out-In		m	-	12	12	15	15
Guaranteed Operating Range(Outdoor)		Cooling		ºC	-	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating		ºC	-	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit				MSZ-LN25VG2	MSZ-LN35VG2	MSZ-LN50VG2
Outdoor Unit				MUZ-LN25VGHZ2	MUZ-LN35VGHZ2	MUZ-LN50VGHZ
Refrigerant				R32 (*1)	R32 (*1)	R32 (*1)
Power	Source			Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
Supply	Outdoor(V/Phase/Hz)			230/Single/50	230/Single/50	230/Single/50
Cooling	Design load		kW	2.5	3.5	5.0
	Annual electricity consumption (*2)		kWh/a	83	130	230
	SEER			10.5	9.4	7.6
		Energy efficiency class		A+++	A+++	A++
	Capacity	Rated	kW	2.5	3.5	5.0
		Min-Max	kW	0.8-3.5	0.8-4.0	1.4-5.8
	SHF			0.97	0.9	0.77
	Total Input	Rated	kW	0.485	0.820	1.380
	EER			5.15	4.27	3.62
		EEL Rank		A	A	A
Heating (Average Season)	Design load		kW	3.2(-10ºC)	4.0(-10ºC)	6.0(-10ºC)
	Declared Capacity	at reference design temperature	kW	3.2(-10ºC)	4.0(-10ºC)	6.0(-10ºC)
		at bivalent temperature	kW	3.2(-10ºC)	4.0(-10ºC)	6.0(-10ºC)
		at operation limit temperature	kW	2.3(-25ºC)	3.1(-25ºC)	4.7(-25ºC)
	Back up heating capacity		kW	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)		kWh/a	861	1098	1826
	SCOP			5.2	5.1	4.6
		Energy efficiency class		A+++	A+++	A++
	Capacity	Rated	kW	3.2	4.0	6.0
		Min-Max	kW	0.8-6.3	0.9-6.6	1.8-8.7
	Total Input	Rated	kW	0.600	0.820	1.480
	COP			5.33	4.88	4.05
		EEL Rank		A	A	A
Heating (Warmer Season)	Design load		kW	1.8(2ºC)	2.2(2ºC)	3.3(2ºC)
	Declared Capacity	at reference design temperature	kW	1.8(2ºC)	2.2(2ºC)	3.3(2ºC)
		at bivalent temperature	kW	1.8(2ºC)	2.2(2ºC)	3.3(2ºC)
		at operation limit temperature	kW	2.3(-25ºC)	3.1(-25ºC)	4.7(-25ºC)
	Back up heating capacity		kW	0.0(2ºC)	0.0(2ºC)	0.0(2ºC)
	Annual electricity consumption (*2)		kWh/a	382	467	779
	SCOP			6.6	6.5	5.9
		Energy efficiency class		A+++	A+++	A+++
Operating Current(Max)			A	9.9	10.5	15.2
Indoor Unit	Input	Rated	kW	0.027	0.027	0.034
	Operating Current(Max)		A	0.3	0.3	0.4
	Dimensions	H x W x D	mm	307 x 890 x 233	307 x 890 x 233	307 x 890 x 233
	Weight		kg	14.5(W)15.5(V,R,B)	14.5(W)15.5(V,R,B)	15(W)16(V,R,B)
	Air Volume	Cooling	m^3/min	4.7-5.9-7.1-9.2-12.4	4.7-5.9-7.1-9.2-13.0	5.7-7.6-8.9-10.6-13.9
	(SLo-Lo-Mid-Hi-SHi (*3)(Dry/Wet))	Heating	m^3/min	4.5-6.6-7.5-11.0-13.9	4.5-6.6-7.5-11.0-13.9	5.4-6.4-8.5-10.7-15.7
	Sound Level (SPL)	Cooling	dB(A)	19-23-29-36-42	19-24-29-36-43	27-31-35-39-46
	(SLo-Lo-Mid-Hi-SHi (*3))	Heating	dB(A)	19-24-29-38-45	19-24-29-38-45	25-29-34-39-47
	Sound Level (PWL)	Cooling	dB(A)	58	59	60
Outdoor Unit	Dimensions	H x W x D	mm	550 x 800 x 285	550 x 800 x 285	880 x 840 x 330
	Weight		kg	34	36	55
	Air Volume	Cooling	m^3/min	34.3	34.3	48.8
		Heating	m^3/min	32.7	32.7	51.3
	Sound Level (SPL)	Cooling	dB(A)	46	49	51
		Heating	dB(A)	49	50	54
	Sound Level (PWL)	Cooling	dB(A)	60	61	64
	Operating Current(Max)		A	9.6	9.6	14.8
	Breaker Size		A	10	12	16
Ext.Piping	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
	Max.Length	Out-In	m	20	20	30
	Max.Height	Out-In	m	12	12	15
Guaranteed Operating Range(Outdoor)		Cooling	ºC	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	ºC	-25 ~ +24	-25 ~ +24	-25 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit				MSZ-FT25VG/K	MSZ-FT35VG/K	MSZ-FT50VG/K
Outdoor Unit				MUZ-FT25VGHZ	MUZ-FT35VGHZ	MUZ-FT50VGHZ
Refrigerant				R32(*1)	R32(*1)	R32(*1)
Power Supply	Source			Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
	Outdoor(V/Phase/Hz)			230/Single/50	230/Single/50	230/Single/50
Cooling	Design load		kW	2.5	3.5	5.0
	Annual electricity consumption (*2)		kWh/a	101	142	243
	SEER			8.6	8.6	7.2
		Energy efficiency class		A+++	A+++	A++
	Capacity	Rated	kW	2.5	3.5	5.0
		Min-Max	kW	0.8-3.5	0.8-4.0	0.8-5.2
	SHF			0.95	0.8	0.69
	Total Input	Rated	kW	0.580	0.910	1.630
	EER			4.31	3.85	3.07
		EEL Rank		A	A	B
Heating (Average Season)	Design load		kW	3.2(-10°C)	4.0(-10°C)	5.0(-10°C)
	Declared Capacity	at reference design temperature	kW	3.2(-10°C)	4.0(-10°C)	5.0(-10°C)
		at bivalent temperature	kW	3.2(-10°C)	4.0(-10°C)	5.0(-10°C)
		at operation limit temperature	kW	3.0(-25°C)	3.4(-25°C)	3.6(-25°C)
	Back up heating capacity		kW	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)		kWh/a	973	1216	1625
	SCOP			4.6	4.6	4.3
		Energy efficiency class		A++	A++	A+
	Capacity	Rated	kW	3.2	4.0	5.0
		Min	kW	0.9	0.9	0.9
		Max at 7°C	kW	6.2	6.6	7.8
		Max at -15°C	kW	3.6	4.4	5.0
		Max at -25°C	kW	3.0	3.4	3.6
	Total Input	Rated	kW	0.760	1.020	1.300
	COP			4.21	3.92	3.85
		EEL Rank		A	A	A
Heating (Warmer Season)	Design load		kW	1.8(2°C)	2.2(2°C)	2.7(2°C)
	Declared Capacity	at reference design temperature	kW	1.8(2°C)	2.2(2°C)	2.7(2°C)
		at bivalent temperature	kW	1.8(2°C)	2.2(2°C)	2.7(2°C)
		at operation limit temperature	kW	3.0(-25°C)	3.4(-25°C)	3.6(-25°C)
	Back up heating capacity		kW	0.0(2ºC)	0.0(2ºC)	0.0(2ºC)
	Annual electricity consumption (*2)		kWh/a	432	527	684
	SCOP			5.8	5.8	5.5
		Energy efficiency class		A+++	A+++	A+++
Operating Current(Max)			A	10.0	11.6	13.9
Indoor Unit	Input	Rated	kW	0.039	0.04	0.047
	Operating Current(Max)		A	0.4	0.4	0.4
	Dimensions	H×W×D	mm	280×838×229	280×838×229	280×838×229
	Weight		kg	10	10	10
	Air Volume (SLo-Lo-Mid-Hi-Shi(*3)(Dry/Wet))	Cooling	m^3/min	3.9 - 5.9 - 8.2 - 10.4 - 12.3	3.9 - 6.1 - 8.3 - 10.7 - 13.1	5.5 - 7.6 - 9.8 - 12.0 - 13.1
		Heating	m^3/min	3.9 - 6.3 - 9.0 - 12.0 - 13.2	3.9 - 6.9 - 10.2 - 13.5 - 14.7	5.5 - 8.4 - 11.4 - 14.4 - 15.5
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi(*3))	Cooling	dB(A)	19 - 27 - 36 - 41 - 46	19 - 27 - 36 - 42 - 47	28 - 34 - 40 - 45 - 48
		Heating	dB(A)	19 - 31 - 39 - 46 - 49	19 - 33 - 42 - 49 - 52	28 - 36 - 45 - 51 - 54
	Sound Level (PWL)	Cooling	dB(A)	60	60	60
Outdoor Unit	Dimensions	H×W×D	mm	550×800×285	714×800×285	714×800×285
	Weight		kg	34	40	40
	Air Volume	Cooling	m^3/min	30.4	40.2	40.2
		Heating	m^3/min	30.4	40.2	40.2
	Sound Level (SPL)	Cooling	dB(A)	46	49	51
		Heating	dB(A)	49	52	54
	Sound Level (PWL)	Cooling	dB(A)	60	61	64
	Operating Current(Max)		A	9.6	11.2	13.5
	Breaker Size		A	12	12(*4)	16
Ext.Piping	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
	Max.Length	Out-In	m	20	30	30
	Max.Height	Out-In	m	12	15	15
Guaranteed Operating Range(Outdoor)		Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	°C	-25 ~ +24	-25 ~ +24	-25 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

(*4) For products in 2020 are 16A.

Indoor Unit					MSZ-AP15VG/K	MSZ-AP20VG/K
Outdoor Unit					MUZ-AP15VG	MUZ-AP20VG
Refrigerant					R32 or R410A(*1)	R32 or R410A(*1)
Power Supply	Source				Outdoor Power supply	Outdoor Power supply
	Outdoor(V/Phase/Hz)				230/Single/50	230V/SinglePhase/50Hz
Cooling	Design Load			kW	1.5	2.0
	Annual Electricity Consumption (*2)			kWh/a	72	81
	SEER				7.2	8.6
		Energy Efficiency Class			A++	A+++
	Capacity	Rated		kW	1.5	2.0
		Min-Max		kW	0.5-2.2	0.6-2.7
	SHF				0.86	0.8
	Total Input	Rated		kW	0.370	0.460
	EER				4.05	4.35
		EEL Rank			A	A
Heating (Average Season)	Design Load			kW	1.6(-10ºC)	2.3(-10°C)
	Declared Capacity	at reference design temperature		kW	1.6(-10ºC)	2.3(-10°C)
		at bivalent temperature		kW	1.6(-10ºC)	2.3(-10°C)
		at operation limit temperature		kW	1.6(-15ºC)	2.2(-15°C)
	Back up heating capacity			kW	0.0(-10ºC)	0.0(-10°C)
	Annual Electricity Consumption (*2)			kWh/a	559	766
	SCOP				4.0	4.2
		Energy Efficiency Class			A+	A+
	Capacity	Rated		kW	2.0	2.5
		Min-Max		kW	0.5-3.1	0.5-3.5
	Total Input	Rated		kW	0.500	0.600
	COP				4.00	4.17
		EEL Rank			A	A
Operating Current(Max)				A	5.5	7.0
Indoor Unit	Input	Rated		kW	0.017	0.019
	Operating Current(Max)			A	0.17	0.2
	Dimensions	H×W×D		mm	250×760×178	250×760×178
	Weight			kg	8.2	8.2
	Air Volume (SLo-Lo-Mid-Hi-Shi(*3)(Dry/Wet))	Cooling		m^3/min	3.5 - 3.9 - 4.6 - 5.5 - 6.4	3.5 - 3.9 - 4.6 - 5.5 - 6.9
		Heating		m^3/min	3.7 - 4.4 - 5.0 - 6.0 - 6.8	3.7 - 4.4 - 5.0 - 6.0 - 7.3
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi(*3))	Cooling		dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42
		Heating		dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42
	Sound Level (PWL)	Cooling		dB(A)	59	60
Outdoor Unit	Dimensions	H×W×D		mm	538×699×249	550×800×285
	Weight			kg	23	31
	Air Volume	Cooling		m^3/min	26	32.2
		Heating		m^3/min	21	29.8
	Sound Level (SPL)	Cooling		dB(A)	50	47
		Heating		dB(A)	50	48
	Sound Level (PWL)	Cooling		dB(A)	63	59
	Operating Current(Max)			A	5.3	6.8
	Breaker Size			A	10	10
Ext.Piping	Diameter	Liquid/Gas		mm	6.35 / 9.52	6.35/9.52
	Max.Length	Out-In		m	20	20
	Max.Height	Out-In		m	12	12
Guaranteed Operating Range(Outdoor)		Cooling		°C	-10 ~ +46	-10 ~ +46
		Heating		°C	-15 ~ +24	-15 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit				MSZ-AP25VG/K	MSZ-AP25VG/K	MSZ-AP35VG/K	MSZ-AP35VG/K
Outdoor Unit				MUZ-AP25VG	MUZ-AP25VGH	MUZ-AP35VG	MUZ-AP35VGH
Refrigerant				R32(*1)	R32(*1)	R32(*1)	R32(*1)
Power Supply	Source			Outdoor Power supply	Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
	Outdoor(V/Phase/Hz)			230/SinglePhase/50Hz	230/SinglePhase/50Hz	230/SinglePhase/50Hz	230/SinglePhase/50Hz
Cooling	Design load		kW	2.5	2.5	3.5	3.5
	Annual electricity consumption (*2)		kWh/a	101	101	142	142
	SEER			8.6	8.6	8.6	8.6
		Energy efficiency class		A+++	A+++	A+++	A+++
	Capacity	Rated	kW	2.5	2.5	3.5	3.5
		Min- Max	kW	0.9-3.4	0.9-3.4	1.1-3.8	1.1-3.8
	SHF			0.92	0.92	0.88	0.88
	Total Input	Rated	kW	0.600	0.600	0.990	0.990
	EER			4.17	4.17	3.54	3.54
		EEL Rank		A	A	A	A
Heating (Average Season)	Design load		kW	2.4(-10ºC)	2.4(-10ºC)	2.9(-10ºC)	2.9(-10ºC)
	Declared Capacity	at reference design temperature	kW	2.4(-10ºC)	2.4(-10ºC)	2.9(-10ºC)	2.9(-10ºC)
		at bivalent temperature	kW	2.4(-10ºC)	2.4(-10ºC)	2.9(-10ºC)	2.9(-10ºC)
		at operation limit temperature	kW	2.4(-15ºC)	2.2(-20ºC)	2.6(-15ºC)	2.4(-20ºC)
	Back up heating capacity		kW	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)		kWh/a	698	703	862	873
	SCOP			4.8	4.7	4.7	4.6
		Energy efficiency class		A++	A++	A++	A++
	Capacity	Rated	kW	3.2	3.2	4.0	4.0
		Min- Max	kW	1.0-4.1	1.0-4.1	1.3-4.6	1.3-4.6
	Total Input	Rated	kW	0.780	0.780	1.030	1.030
	COP			4.10	4.10	3.88	3.88
		EEL Rank		A	A	A	A
Operating Current(Max)			A	7.1	7.1	8.5	8.5
Indoor Unit	Input	Rated	kW	0.026	0.026	0.026	0.026
	Operating Current (Max)		A	0.3	0.3	0.3	0.3
	Dimensions	H x W x D	mm	299 x 798 x 219	299 x 798 x 219	299 x 798 x 219	299 x 798 x 219
	Weight		kg	10.5	10.5	10.5	10.5
	Air Volume	Cooling	m^3/min	4.9 - 5.9 - 7.1 - 8.7 - 11.4	4.9 - 5.9 - 7.1 - 8.7 - 11.4	4.9 - 5.9 - 7.1 - 8.7 - 11.4	4.9 - 5.9 - 7.1 - 8.7 - 11.4
	(SLo-Lo-Mid-Hi-Shi (*3) (Dry/Wet))	Heating	m^3/min	4.9 - 5.9 - 7.3 - 8.9 - 12.9	4.9 - 5.9 - 7.3 - 8.9 - 12.9	4.9 - 5.9 - 7.3 - 8.9 - 12.9	4.9 - 5.9 - 7.3 - 8.9 - 12.9
	Sound Level (SPL)	Cooling	dB(A)	19 - 24 - 30 - 36 - 42	19 - 24 - 30 - 36 - 42	19 - 24 - 30 - 36 - 42	19 - 24 - 30 - 36 - 42
	(SLo-Lo-Mid-Hi-SHi) (*3)	Heating	dB(A)	19 - 24 - 34 - 39 - 45	19 - 24 - 34 - 39 - 45	19 - 24 - 31 - 38 - 45	19 - 24 - 31 - 38 - 45
	Sound Level (PWL)	Cooling	dB(A)	57	57	57	57
Outdoor Unit	Dimensions	H x W x D	mm	550 x 800 x 285	550 x 800 x 285	550 x 800 x 285	550 x 800 x 285
	Weight		kg	27	27	29	29
	Air Volume	Cooling	m^3/min	32.2	32.2	32.2	32.2
		Heating	m^3/min	29.8	29.8	33.8	33.8
	Sound Level (SPL)	Cooling	dB(A)	47	47	49	49
		Heating	dB(A)	48	48	50	50
	Sound Level (PWL)	Cooling	dB(A)	59	59	61	61
	Operating Current (Max)		A	6.8	6.8	8.2	8.2
	Breaker Size		A	10	10	10	10
Ext.Piping	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
	Max.Length	Out-In	m	20	20	20	20
	Max.Height	Out-In	m	12	12	12	12
Guaranteed Operating Range (Outdoor)		Cooling	ºC	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	ºC	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit				MSZ-AP42VG/K	MSZ-AP42VG/K	MSZ-AP50VG/K	MSZ-AP50VG/K
Outdoor Unit				MUZ-AP42VG	MUZ-AP42VGH	MUZ-AP50VG	MUZ-AP50VGH
Refrigerant				R32(*1)	R32(*1)	R32(*1)	R32(*1)
Power Supply	Source			Outdoor Power supply	Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
	Outdoor(V/Phase/Hz)			230/SinglePhase/50Hz	230/SinglePhase/50Hz	230/SinglePhase/50Hz	230/SinglePhase/50Hz
Cooling	Design load		kW	4.2	4.2	5.0	5.0
	Annual electricity consumption (*2)		kWh/a	188	188	236	236
	SEER			7.8	7.8	7.4	7.4
		Energy efficiency class		A++	A++	A++	A++
	Capacity	Rated	kW	4.2	4.2	5.0	5.0
		Min- Max	kW	0.9-4.5	0.9-4.5	1.4-5.4	1.4-5.4
	SHF			0.77	0.77	0.74	0.74
	Total Input	Rated	kW	1.300	1.300	1.550	1.550
	EER			3.23	3.23	3.23	3.23
		EEL Rank		A	A	A	A
Heating (Average Season)	Design load		kW	3.8(-10ºC)	3.8(-10ºC)	4.2(-10ºC)	4.2(-10ºC)
	Declared Capacity	at reference design temperature	kW	3.8(-10ºC)	3.8(-10ºC)	4.2(-10ºC)	4.2(-10ºC)
		at bivalent temperature	kW	3.8(-10ºC)	3.8(-10ºC)	4.2(-10ºC)	4.2(-10ºC)
		at operation limit temperature	kW	4.2(-15ºC)	3.8(-20ºC)	4.7(-15ºC)	4.2(-20ºC)
	Back up heating capacity		kW	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)		kWh/a	1120	1134	1250	1275
	SCOP			4.7	4.6	4.7	4.6
		Energy efficiency class		A++	A++	A++	A++
	Capacity	Rated	kW	5.4	5.4	5.8	5.8
		Min- Max	kW	1.3-6.0	1.3-6.0	1.4-7.3	1.4-7.3
	Total Input	Rated	kW	1.490	1.490	1.600	1.600
	COP			3.62	3.62	3.63	3.63
		EEL Rank		A	A	A	A
Operating Current(Max)			A	9.9	9.9	13.6	13.6
Indoor Unit	Input	Rated	kW	0.032	0.032	0.032	0.032
	Operating Current (Max)		A	0.3	0.3	0.3	0.3
	Dimensions	H x W x D	mm	299 x 798 x 219	299 x 798 x 219	299 x 798 x 219	299 x 798 x 219
	Weight		kg	10.5	10.5	10.5	10.5
	Air Volume	Cooling	m^3/min	5.4 - 6.5 - 7.7 - 9.3 - 11.4	5.4 - 6.5 - 7.7 - 9.3 - 11.4	6.0 - 7.2 - 8.4 - 10.0 - 12.6	6.0 - 7.2 - 8.4 - 10.0 - 12.6
	(SLo-Lo-Mid-Hi-Shi (*3) (Dry/Wet))	Heating	m^3/min	5.3 - 6.1 - 7.7 - 9.4 - 14.0	5.3 - 6.1 - 7.7 - 9.4 - 14.0	5.6 - 6.5 - 8.2 - 10.0 - 14.0	5.6 - 6.5 - 8.2 - 10.0 - 14.0
	Sound Level (SPL)	Cooling	dB(A)	21 - 29 - 34 - 38 - 42	21 - 29 - 34 - 38 - 42	28 - 33 - 36 - 40 - 44	28 - 33 - 36 - 40 - 44
	(SLo-Lo-Mid-Hi-SHi)(*3)	Heating	dB(A)	21 - 29 - 35 - 40 - 45	21 - 29 - 35 - 40 - 45	28 - 33 - 38 - 43 - 48	28 - 33 - 38 - 43 - 48
	Sound Level (PWL)	Cooling	dB(A)	57	57	58	58
Outdoor Unit	Dimensions	H x W x D	mm	550 x 800 x 285	550 x 800 x 285	714 x 800 x 285	714 x 800 x 285
	Weight		kg	35	35	40	40
	Air Volume	Cooling	m^3/min	30.4	30.4	40.5	40.5
		Heating	m^3/min	32.7	32.7	40.5	40.5
	Sound Level (SPL)	Cooling	dB(A)	50	50	52	52
		Heating	dB(A)	51	51	52	52
	Sound Level (PWL)	Cooling	dB(A)	61	61	64	64
	Operating Current (Max)		A	9.6	9.6	13.3	13.3
	Breaker Size		A	10	10	16	16
Ext.Piping	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
	Max.Length	Out-In	m	20	20	20	20
	Max.Height	Out-In	m	12	12	12	12
Guaranteed Operating Range (Outdoor)		Cooling	ºC	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	ºC	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24

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(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit					MSZ-AP60VG/K	MSZ-AP71VG/K
Outdoor Unit					MUZ-AP60VG	MUZ-AP71VG
Refrigerant					R32(*1)	R32(*1)
Power Supply	Source				Outdoor Power supply	Outdoor Power supply
	Outdoor(V/Phase/Hz)				230V/SinglePhase/50Hz	230V/SinglePhase/50Hz
Cooling	Design load			kW	6.1	7.1
	Annual electricity consumption (*2)			kWh/a	288	345
	SEER				7.4	7.2
		Energy efficiency class			A++	A++
	Capacity	Rated		kW	6.1	7.1
		Min-Max		kW	1.4-7.3	2.0-8.7
	SHF				0.83	0.77
	Total Input	Rated		kW	1.590	2.010
	EER				3.84	3.53
		EEL Rank			A	A
Heating (Average Season)	Design load			kW	4.6(-10ºC)	6.7(-10ºC)
	Declared Capacity	at reference design temperature		kW	4.6(-10ºC)	6.7(-10ºC)
		at bivalent temperature		kW	4.6(-10ºC)	6.7(-10ºC)
		at operation limit temperature		kW	3.7(-15ºC)	5.4(-15ºC)
	Back up heating capacity			kW	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)			kWh/a	1398	2132
	SCOP				4.6	4.4
		Energy efficiency class			A++	A+
	Capacity	Rated		kW	6.8	8.1
		Min-Max		kW	2.0-8.6	2.2-10.3
	Total Input	Rated		kW	1.670	2.120
	COP				4.07	3.82
		EEL Rank			A	A
Operating Current(Max)				A	14.1	16.4
Indoor Unit	Input	Rated		kW	0.049	0.045
	Operating Current(Max)			A	0.5	0.4
	Dimensions	H x W x D		mm	325 x 1100 x 257	325 x 1100 x 257
	Weight			kg	16	17
	Air Volume	Cooling		m^3/min	9.4 - 11.0 - 13.2 - 16.0 - 18.9	9.6 - 11.5 - 13.2 - 15.3 - 18.6
	(SLo-Lo-Mid-Hi-Shi(*3)(Dry/Wet))	Heating		m^3/min	10.8 - 13.4 - 15.4 - 17.4 - 20.3	10.2 - 11.5 - 13.2 - 15.3 - 19.2
	Sound Level (SPL)	Cooling		dB(A)	29 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 49
	(SLo-Lo-Mid-Hi-Shi(*3))	Heating		dB(A)	30 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 51
	Sound Level (PWL)	Cooling		dB(A)	65	65
Outdoor Unit	Dimensions	H x W x D		mm	714 x 800 x 285	880 x 840 x 330
	Weight			kg	40	55
	Air Volume	Cooling		m^3/min	52.1	54.1
		Heating		m^3/min	52.1	47.9
	Sound Level (SPL)	Cooling		dB(A)	56	56
		Heating		dB(A)	57	55
	Sound Level (PWL)	Cooling		dB(A)	69	69
	Operating Current(Max)			A	13.6	16.0
	Breaker Size			A	16	20
Ext.Piping	Diameter	Liquid/Gas		mm	6.35 / 12.7	6.35 / 12.7
	Max.Length	Out-In		m	30	30
	Max.Height	Out-In		m	15	15
Guaranteed Operating Range(Outdoor)		Cooling		ºC	-10~+46	-10~+46
		Heating		ºC	-15~+24	-15~+24

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(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit					MSZ-HR25VF	MSZ-HR35VF	MSZ-HR42VF	MSZ-HR50VF
Outdoor Unit					MUZ-HR25VF	MUZ-HR35VF	MUZ-HR42VF	MUZ-HR50VF
Refrigerant					R32(*1)	R32(*1)	R32(*1)	R32(*1)
Power Supply	Source				Outdoor Power supply	Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
	Outdoor(V/Phase/Hz)				230V/Single/50Hz	230V/Single/50Hz	230V/Single/50Hz	230V/Single/50Hz
Cooling	Design load			kW	2.5	3.4	4.2	5.0
	Annual electricity consumption (*2)			kWh/a	141	191	226	269
	SEER				6.2	6.2	6.5	6.5
		Energy efficiency class			A++	A++	A++	A++
	Capacity	Rated		kW	2.5	3.4	4.2	5.0
		Min-Max		kW	0.5-2.9	0.9-3.4	1.1-4.6	1.3-5.0
	SHF				0.78	0.78	0.74	0.73
	Total Input	Rated		kW	0.800	1.210	1.340	2.050
	EER				3.13	2.81	3.13	2.44
		EEL Rank			B	C	B	D or less
Heating (Average Season)	Design load			kW	1.9(-10ºC)	2.4(-10ºC)	2.9(-10ºC)	3.8(-10ºC)
	Declared Capacity	at reference design temperature		kW	1.9(-10ºC)	2.4(-10ºC)	2.9(-10ºC)	3.8(-10ºC)
		at bivalent temperature		kW	1.9(-10ºC)	2.4(-10ºC)	2.9(-10ºC)	3.8(-10ºC)
		at operation limit temperature		kW	1.9(-10ºC)	2.4(-10ºC)	2.9(-10ºC)	3.8(-10ºC)
	Back up heating capacity			kW	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)			kWh/a	614	781	928	1224
	SCOP				4.3	4.3	4.3	4.3
		Energy efficiency class			A+	A+	A+	A+
	Capacity	Rated		kW	3.15	3.6	4.7	5.4
		Min-Max		kW	0.7-3.5	0.9-3.7	0.9-5.4	1.4-6.5
	Total Input	Rated		kW	0.850	0.975	1.300	1.550
	COP				3.71	3.69	3.62	3.48
		EEL Rank			A	A	A	B
Heating (Warmer Season)	Design load			kW	1.1(2ºC)	1.3(2ºC)	1.6(2ºC)	2.1(2ºC)
	Declared Capacity	at reference design temperature		kW	1.1(2ºC)	1.3(2ºC)	1.6(2ºC)	2.1(2ºC)
		at bivalent temperature		kW	1.1(2ºC)	1.3(2ºC)	1.6(2ºC)	2.1(2ºC)
		at operation limit temperature		kW	1.9(-10ºC)	2.4(-10ºC)	2.9(-10ºC)	3.8(-10ºC)
	Back up heating capacity			kW	0.0(2ºC)	0.0(2ºC)	0.0(2ºC)	0.0(2ºC)
	Annual electricity consumption (*2)			kWh/a	289	344	427	558
	SCOP				5.3	5.2	5.2	5.2
		Energy efficiency class			A+++	A+++	A+++	A+++
Operating Current(Max)				A	5.0	6.7	8.5	10.0
Indoor Unit	Input	Rated		kW	0.020	0.028	0.032	0.039
	Operating Current(Max)			A	0.2	0.27	0.3	0.36
	Dimensions	H x W x D		mm	280 x 838 x 228	280 x 838 x 228	280 x 838 x 228	280 x 838 x 228
	Weight			kg	8.5	8.5	9	9
	Air Volume	Cooling		m^3/min	3.6 - 5.4 - 7.2 - 9.7	3.6 - 5.6 - 7.8 - 11.7	6.0 - 8.7 - 10.8 - 13.1	6.4 - 9.2 - 11.2 - 13.1
	(Lo-Mid-Hi-Shi(*3)(Dry/Wet))	Heating		m^3/min	3.3 - 5.4 - 7.4 - 10.1	3.3 - 5.4 - 7.4 - 10.5	5.6 - 7.9 - 10.8 - 13.4	6.1 - 8.3 - 11.2 - 14.5
	Sound Level (SPL)	Cooling		dB(A)	21 - 30 - 37 - 43	22 - 31 - 38 - 46	24 - 34 - 39 - 45	28 - 36 - 40 - 45
	(Lo-Mid-Hi-Shi(*3))	Heating		dB(A)	21 - 30 - 37 - 43	21 - 30 - 37 - 44	24 - 32 - 40 - 46	27 - 34 - 41 - 47
	Sound Level (PWL)	Cooling		dB(A)	57	60	60	60
Outdoor Unit	Dimensions	H x W x D		mm	538 x 699 x 249	538 x 699 x 249	550 x 800 x 285	550 x 800 x 285
	Weight			kg	23	23	34	35
	Air Volume	Cooling		m^3/min	30.3	32.2	30.4	30.4
		Heating		m^3/min	30.3	32.2	32.7	32.7
	Sound Level (SPL)	Cooling		dB(A)	50	51	50	50
		Heating		dB(A)	50	51	51	51
	Sound Level (PWL)	Cooling		dB(A)	63	64	64	64
	Operating Current(Max)			A	4.8	6.4	8.2	9.6
	Breaker Size			A	10	10	10	12
Ext.Piping	Diameter	Liquid/Gas		mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
	Max.Length	Out-In		m	20	20	20	20
	Max.Height	Out-In		m	12	12	12	12
Guaranteed Operating Range(Outdoor)		Cooling		ºC	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating		ºC	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit					MSZ-HR60VF	MSZ-HR71VF
Outdoor Unit					MUZ-HR60VF	MUZ-HR71VF
Refrigerant					R32 (*1)	R32 (*1)
Power Supply	Source				Outdoor Power supply	Outdoor Power supply
	Outdoor(V/Phase/Hz)				230/Single/50	230/Single/50
Cooling	Design load			kW	6.1	7.1
	Annual electricity consumption (*2)			kWh/a	296	355
	SEER				7.2	7.0
		Energy efficiency class			A++	A++
	Capacity	Rated		kW	6.1	7.1
		Min-Max		kW	1.7-7.1	1.8-7.3
	SHF				0.79	0.74
	Total Input	Rated		kW	1.810	2.330
	EER				3.37	3.05
		EEL Rank			A	B
Heating (Average Season)	Design load			kW	4.6(-10ºC)	5.4(-10ºC)
	Declared Capacity	at reference design temperature		kW	4.6(-10ºC)	5.4(-10ºC)
		at bivalent temperature		kW	4.6(-10ºC)	5.4(-10ºC)
		at operation limit temperature		kW	4.6(-10ºC)	5.4(-10ºC)
	Back up heating capacity			kW	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)			kWh/a	1430	1755
	SCOP				4.5	4.3
		Energy efficiency class			A+	A+
	Capacity	Rated		kW	6.8	8.1
		Min-Max		kW	1.5-8.5	1.5-9.0
	Total Input	Rated		kW	1.810	2.440
	COP				3.76	3.32
		EEL Rank			A	C
Heating (Warmer Season)	Design load			kW	2.5(2ºC)	3.0(2ºC)
	Declared Capacity	at reference design temperature		kW	2.5(2ºC)	3.0(2ºC)
		at bivalent temperature		kW	2.5(2ºC)	3.0(2ºC)
		at operation limit temperature		kW	4.6(-10ºC)	5.4(-10ºC)
	Back up heating capacity			kW	0.0(2ºC)	0.0(2ºC)
	Annual electricity consumption (*2)			kWh/a	640	802
	SCOP				5.4	5.2
		Energy efficiency class			A+++	A+++
Operating Current(Max)				A	14.1	14.1
Indoor Unit	Input	Rated		kW	0.055	0.055
	Operating Current(Max)			A	0.5	0.5
	Dimensions	H x W x D		mm	305 x 923 x 262	305 x 923 x 262
	Weight			kg	12.5	12.5
	Air Volume	Cooling		m^3/min	10.4-12.6-15.4-19.6	10.4-12.6-15.4-19.6
	(SLo-Lo-Mid-Hi-SHi (*3)(Dry/Wet))	Heating		m^3/min	10.7-13.1-16.7-19.6	10.7-13.1-16.7-19.6
	Sound Level (SPL)	Cooling		dB(A)	33 - 38 - 44 - 50	33 - 38 - 44 - 50
	(SLo-Lo-Mid-Hi-SHi(*3))	Heating		dB(A)	33 - 38 - 44 - 50	33 - 38 - 44 - 50
	Sound Level (PWL)	Cooling		dB(A)	65	65
Outdoor Unit	Dimensions	H x W x D		mm	714 x 800 x 285	714 x 800 x 285
	Weight			kg	40	40
	Air Volume	Cooling		m^3/min	42.8	42.8
		Heating		m^3/min	48.3	48.3
	Sound Level (SPL)	Cooling		dB(A)	53	53
		Heating		dB(A)	57	57
	Sound Level (PWL)	Cooling		dB(A)	65	66
	Operating Current(Max)			A	13.6	13.6
	Breaker Size			A	16	16
Ext.Piping	Diameter	Liquid/Gas		mm	6.35/12.7	6.35/12.7
	Max.Length	Out-In		m	30	30
	Max.Height	Out-In		m	15	15
Guaranteed Operating Range(Outdoor)		Cooling		ºC	-10 ~ +46	-10 ~ +46
		Heating		ºC	-10 ~ +24	-10 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit					MSY-TP35VF	MSY-TP50VF
Outdoor Unit					MUY-TP35VF	MUZ-TP50VF
Refrigerant					R32(*1)	R32(*1)
Power Supply	Source				Indoor Power supply	Indoor Power supply
	Outdoor(V/Phase/Hz)				230V/SinglePhase/50Hz	230V/SinglePhase/50Hz
Cooling	Design load			kW	3.5	5.0
	Annual electricity consumption (*2)			kWh/a	136	218
	SEER				9.0	8.0
		Energy efficiency class			A+++	A++
	Capacity	Rated		kW	3.5	5.0
		Min-Max		kW	1.5 - 4.0	1.5 - 5.7
	SHF				0.98	0.82
	Total Input	Rated		kW	0.760	1.450
	EER				4.61	3.45
		EEL Rank			A	A
Operating Current(Max)				A	9.6	9.6
Indoor Unit	Input	Rated		kW	0.033	0.034
	Operating Current(Max)			A	0.4	0.4
	Dimensions	H x W x D		mm	305 x 923 x 250	305 x 923 x 250
	Weight			kg	12.5	12.5
	Air Volume (Lo-Mid-Hi-Shi(*3)(Dry/Wet))	Cooling		m^3/min	10.1 - 11.6 - 13.7 - 16.4	10.1 - 11.6 - 13.7 - 16.4
	Sound Level (SPL) (Lo-Mid-Hi-Shi(*3))	Cooling		dB(A)	31 - 36 - 40 - 45	31 - 36 - 40 - 45
	Sound Level (PWL)	Cooling		dB(A)	60	60
	Breaker Size			A	10	10
Outdoor Unit	Dimensions	H x W x D		mm	550 x 800 x 285	550 x 800 x 285
	Weight			kg	34	34
	Air Volume	Cooling		m^3/min	29.3	29.3
	Sound Level (SPL)	Cooling		dB(A)	45	47
	Sound Level (PWL)	Cooling		dB(A)	58	61
	Operating Current(Max)			A	9.2	9.2
	Breaker Size			A	12	12
Ext.Piping	Diameter	Liquid/Gas		mm	6.35/9.52	6.35/9.52
	Max.Length	Out-In		m	20	20
	Max.Height	Out-In		m	12	12
Guaranteed Operating Range(Outdoor)		Cooling		ºC	-25 ~ +46	-25 ~ +46

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(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit				MSZ-FH25VE2	MSZ-FH35VE2	MSZ-FH50VE2
Outdoor Unit				MUZ-FH25VE	MUZ-FH35VE	MUZ-FH50VE
Refrigerant				R410A (*1)	R410A (*1)	R410A (*1)
Power Supply	Source			Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
	Outdoor (V/Phase/Hz)			230V/Single/50Hz	230V/Single/50Hz	230V/Single/50Hz
Cooling	Design load		kW	2.5	3.5	5
	Annual electricity consumption (*2)		kWh/a	96	138	244
	SEER			9.1	8.9	7.2
		Energy efficiency class		A+++	A+++	A++
	Capacity	Rated	kW	2.5	3.5	5.0
		Min - Max	kW	1.4 - 3.5	0.8 - 4.0	1.9 - 6.0
	SHF			0.95	0.84	0.73
	Total Input	Rated	kW	0.485	0.820	1.38
	EER			5.15	4.27	3.62
		EEL Rank		A	A	A
Heating (Average Season)	Design load		kW	3.0(-10ºC)	3.6(-10ºC)	4.5(-10ºC)
	Declared Capacity	at reference design temperature	kW	3.0(-10ºC)	3.6(-10ºC)	4.5(-10ºC)
		at bivalent temperature	kW	3.0(-10ºC)	3.6(-10ºC)	4.5(-10ºC)
		at operation limit temperature	kW	2.5(-15ºC)	3.2(-15ºC)	5.2(-15ºC)
	Back up heating capacity		kW	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)		kWh/a	819	986	1372
	SCOP			5.1	5.1	4.6
		Energy efficiency class		A+++	A+++	A++
	Capacity	Rated	kW	3.2	4.0	6.0
		Min - Max	kW	1.8 - 5.5	1.0 - 6.3	1.7 - 8.7
	Total Input	Rated	kW	0.580	0.800	1.48
	COP			5.52	5.00	4.05
		EEL Rank		A	A	A
Operating Current (Max)			A	10.0	10.0	14.0
Indoor Unit	Input	Rated	kW	0.029	0.029	0.031
	Operating Current (Max)		A	0.4	0.4	0.4
	Dimensions	H x W x D	mm	305(+17) x 925 x 234	305(+17) x 925 x 234	305(+17) x 925 x 234
	Weight		kg	13.5	13.5	13.5
	Air Volume	Cooling	m^3/min	3.9 - 4.7 - 6.3 - 8.6 - 11.6(10.5)	3.9 - 4.7 - 6.3 - 8.6 - 11.6(10.5)	6.4 - 7.4 - 8.6 - 10.1 - 12.4
	(Silent-Lo-Mid-Hi-SHi (*3) (Dry/Wet))	Heating	m^3/min	4.0 - 4.7 - 6.4 - 9.2 - 13.2	4.0 - 4.7 - 6.4 - 9.2 - 13.2	5.7 - 7.2 - 9.0 - 11.2 - 14.6
	Sound Level (SPL)	Cooling	dB(A)	20 - 23 - 29 - 36 - 42	21 - 24 - 29 - 36 - 42	27 - 31 - 35 - 39 - 44
	(Silent-Lo-Mid-Hi-SHi (*3))	Heating	dB(A)	20 - 24 - 29 - 36 - 44	21 - 24 - 29 - 36 - 44	25 - 29 - 34 - 39 - 46
	Sound Level (PWL)	Cooling	dB(A)	58	58	60
Outdoor Unit	Dimensions	H x W x D	mm	550 x 800 x 285	550 x 800 x 285	880 x 840 x 330
	Weight		kg	37	37	55
	Air Volume	Cooling	m^3/min	31.3	33.6	48.8
		Heating	m^3/min	31.3	33.6	51.3
	Sound Level (SPL)	Cooling	dB(A)	46	49	51
		Heating	dB(A)	49	50	54
	Sound Level (PWL)	Cooling	dB(A)	60	61	64
	Operating Current (Max)		A	9.6	9.6	13.6
	Breaker Size		A	10	10	16
Ext.Piping	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/12.7
	Max.Length	Out-In	m	20	20	30
	Max.Height	Out-In	m	12	12	15
Guaranteed Operating Range (Outdoor)		Cooling	ºC	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	ºC	-15 ~ +24	-15 ~ +24	-15 ~ +24

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(*3) SHi: Super High.

Indoor Unit				MSZ-FH25VE2	MSZ-FH35VE2	MSZ-FH50VE2
Outdoor Unit				MUZ-FH25VEHZ	MUZ-FH35VEHZ	MUZ-FH50VEHZ
Refrigerant				R410A (*1)	R410A (*1)	R410A (*1)
Power Supply	Source			Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
	Outdoor (V/Phase/Hz)			230V/Single/50Hz	230V/Single/50Hz	230V/Single/50Hz
Cooling	Design load		kW	2.5	3.5	5.0
	Annual electricity consumption (*2)		kWh/a	96	138	244
	SEER			9.1	8.9	7.2
		Energy efficiency class		A+++	A+++	A++
	Capacity	Rated	kW	2.5	3.5	5.0
		Min. - Max.	kW	0.8 - 3.5	0.8 - 4.0	1.9 - 6.0
	SHF			0.95	0.84	0.73
	Total Input	Rated	kW	0.485	0.820	1.38
	EER			5.15	4.27	3.62
		EEL Rank		A	A	A
Heating (Average Season)	Design load		kW	3.2(-10ºC)	4.0(-10ºC)	6.0(-10ºC)
	Declared Capacity	at reference design temperature	kW	3.2(-10ºC)	4.0(-10ºC)	6.0(-10ºC)
		at bivalent temperature	kW	3.2(-10ºC)	4.0(-10ºC)	6.0(-10ºC)
		at operation limit temperature	kW	1.7(-25ºC)	2.6(-25ºC)	3.8(-25ºC)
	Back up heating capacity		kW	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)		kWh/a	924	1173	2006
	SCOP			4.9	4.8	4.2
		Energy efficiency class		A++	A++	A+
	Capacity	Rated	kW	3.2	4.0	6.0
		Min. - Max.	kW	1.0 - 6.3	1.0 - 6.6	1.7 - 8.7
	Total Input	Rated	kW	0.580	0.800	1.48
	COP			5.52	5.00	4.05
		EEL Rank		A	A	A
Operating Current (Max)			A	10.0	10.5	14.0
Indoor Unit	Input	Rated	kW	0.029	0.029	0.031
	Operating Current (Max)		A	0.4	0.4	0.4
	Dimensions	H × W × D	mm	305(+17) x 925 x 234	305(+17) x 925 x 234	305(+17) x 925 x 234
	Weight		kg	13.5	13.5	13.5
	Air Volume (SLo-Lo-Mid-Hi-SHi (*3) (Dry/Wet))	Cooling	m^3/min.	3.9 - 4.7 - 6.3 - 8.6 - 11.6(10.5)	3.9 - 4.7 - 6.3 - 8.6 - 11.6(10.5)	6.4 - 7.4 - 8.6 - 10.1 - 12.4
		Heating	m^3/min.	4.0 - 4.7 - 6.4 - 9.2 - 13.2	4.0 - 4.7 - 6.4 - 9.2 - 13.2	5.7 - 7.2 - 9.0 - 11.2 - 14.6
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi (*3))	Cooling	dB(A)	20 - 23 - 29 - 36 - 42	21 - 24 - 29 - 36 - 42	27 - 31 - 35 - 39 - 44
		Heating	dB(A)	20 - 24 - 29 - 36 - 44	21 - 24 - 29 - 36 - 44	25 - 29 - 34 - 39 - 46
	Sound Level (PWL)	Cooling	dB(A)	58	58	60
Outdoor Unit	Dimensions	H × W × D	mm	550 x 800 x 285	550 x 800 x 285	880 x 840 x 330
	Weight		kg	37	37	55
	Air Volume	Cooling	m^3/min.	31.3	33.6	48.8
		Heating	m^3/min.	31.3	33.6	51.3
	Sound Level (SPL)	Cooling	dB(A)	46	49	51
		Heating	dB(A)	49	50	54
	Sound Level (PWL)	Cooling	dB(A)	60	61	64
	Operating Current (Max)		A	9.2	10.1	13.6
	Breaker Size		A	10	12	16
Ext.Piping	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/12.7
	Max.Length	Out-In	m	20	20	30
	Max.Height	Out-In	m	12	12	15
Guaranteed Operating Range (Outdoor)		Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	°C	-25 ~ +24	-25 ~ +24	-25 ~ +24

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(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit				MSZ-EF18VG/K	MSZ-EF22VG/K	MSZ-EF25VG/K	MSZ-EF25VG/K
Outdoor Unit				for MXZ connection	for MXZ connection	MUZ-EF25VG	MUZ-EF25VGH
Refrigerant				R32(*1)	R32(*1)	R32(*1)	R32(*1)
Power Supply	Source			Outdoor Power supply	Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
	Outdoor(V/Phase/Hz)			230/Single/50	230/Single/50	230/Single/50	230/Single/50
Cooling	Design load		kW	-	-	2.5	2.5
	Annual electricity consumption (*2)		kWh/a	-	-	96	96
	SEER			-	-	9.1	9.1
		Energy efficiency class		-	-	A+++	A+++
	Capacity	Rated	kW	-	-	2.5	2.5
		Min-Max	kW	-	-	0.9-3.4	0.9-3.4
	SHF			-	-	0.97	0.97
	Total Input	Rated	kW	-	-	0.540	0.540
	EER			-	-	4.63	4.63
		EEL Rank		-	-	A	A
Heating (Average Season)	Design load		kW	-	-	2.4(-10ºC)	2.4(-10ºC)
	Declared Capacity	at reference design temperature	kW	-	-	2.4(-10ºC)	2.4(-10ºC)
		at bivalent temperature	kW	-	-	2.4(-10ºC)	2.4(-10ºC)
		at operation limit temperature	kW	-	-	2.0(-15ºC)	1.6(-20ºC)
	Back up heating capacity		kW	-	-	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)		kWh/a	-	-	713	727
	SCOP			-	-	4.7	4.6
		Energy efficiency class		-	-	A++	A++
	Capacity	Rated	kW	-	-	3.2	3.2
		Min-Max	kW	-	-	1.0-4.2	1.0-4.2
	Total Input	Rated	kW	-	-	0.700	0.700
	COP			-	-	4.57	4.57
		EEL Rank		-	-	A	A
Heating (Warmer Season)	Design load		kW	-	-	1.3(2ºC)	1.3(2ºC)
	Declared Capacity	at reference design temperature	kW	-	-	1.3(2ºC)	1.3(2ºC)
		at bivalent temperature	kW	-	-	1.3(2ºC)	1.3(2ºC)
		at operation limit temperature	kW	-	-	2.0(-15ºC)	2.0(-15ºC)
	Back up heating capacity		kW	-	-	0.0(2ºC)	0.0(2ºC)
	Annual electricity consumption (*2)		kWh/a	-	-	311	311
	SCOP			-	-	5.9	5.9
		Energy efficiency class		-	-	A+++	A+++
Operating Current(Max)			A	-	-	7.1	7.1
Indoor Unit	Input	Rated	kW	0.026	0.026	0.026	0.026
	Operating Current(Max)		A	0.3	0.3	0.3	0.3
	Dimensions	H x W x D	mm	299 x 885 x 195	299 x 885 x 195	299 x 885 x 195	299 x 885 x 195
	Weight		kg	11.5	11.5	11.5	11.5
	Air Volume	Cooling	m^3/min	4.0 - 4.6 - 6.3 - 8.3 - 10.5	4.0 - 4.6 - 6.3 - 8.3 - 10.5	4.0 - 4.6 - 6.3 - 8.3 - 10.5	4.0 - 4.6 - 6.3 - 8.3 - 10.5
	(SLo-Lo-Mid-Hi-SHi (*3)(Dry/Wet))	Heating	m^3/min	4.0 - 4.6 - 6.2 - 8.9 - 11.9	4.0 - 4.6 - 6.2 - 8.9 - 11.9	4.0 - 4.6 - 6.2 - 8.9 - 11.9	4.0 - 4.6 - 6.2 - 8.9 - 11.9
	Sound Level (SPL)	Cooling	dB(A)	19 - 23 - 29 - 36 - 42	19 - 23 - 29 - 36 - 42	19 - 23 - 29 - 36 - 42	19 - 23 - 29 - 36 - 42
	(SLo-Lo-Mid-Hi-SHi(*3))	Heating	dB(A)	21 - 24 - 29 - 37 - 45	21 - 24 - 29 - 37 - 45	21 - 24 - 29 - 37 - 45	21 - 24 - 29 - 37 - 45
	Sound Level (PWL)	Cooling	dB(A)	60	60	60	60
Outdoor Unit	Dimensions	H x W x D	mm	-	-	550 x 800 x 285	550 x 800 x 285
	Weight		kg	-	-	31	31
	Air Volume	Cooling	m^3/min	-	-	27.8	27.8
		Heating	m^3/min	-	-	29.8	29.8
	Sound Level (SPL)	Cooling	dB(A)	-	-	47	47
		Heating	dB(A)	-	-	48	48
	Sound Level (PWL)	Cooling	dB(A)	-	-	58	58
	Operating Current(Max)		A	-	-	6.8	6.8
	Breaker Size		A	-	-	10	10
Ext.Piping	Diameter	Liquid/Gas	mm	-	-	6.35 / 9.52	6.35 / 9.52
	Max.Length	Out-In	m	-	-	20	20
	Max.Height	Out-In	m	-	-	12	12
Guaranteed Operating Range(Outdoor)		Cooling	ºC	-	-	-10 ~ +46	-10 ~ +46
		Heating	ºC	-	-	-15 ~ +24	-20 ~ +24

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(*3) SHi: Super High.

Indoor Unit					MSZ-EF35VG/K	MSZ-EF35VG/K	MSZ-EF42VG/K	MSZ-EF50VG/K
Outdoor Unit					MUZ-EF35VG	MUZ-EF35VGH	MUZ-EF42VG	MUZ-EF50VG
Refrigerant					R32(*1)	R32(*1)	R32(*1)	R32(*1)
Power Supply	Source				Outdoor Power supply	Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
	Outdoor(V/Phase/Hz)				230/Single/50	230/Single/50	230/Single/50	230/Single/50
Cooling	Design load			kW	3.5	3.5	4.2	5.0
	Annual electricity consumption (*2)			kWh/a	139	139	186	233
	SEER				8.8	8.8	7.9	7.5
		Energy efficiency class			A+++	A+++	A++	A++
	Capacity	Rated		kW	3.5	3.5	4.2	5.0
		Min-Max		kW	1.1-4.0	1.1-4.0	0.9-4.6	1.4-5.4
	SHF				0.8	0.8	0.74	0.7
	Total Input	Rated		kW	0.910	0.910	1.200	1.540
	EER				3.85	3.85	3.50	3.25
		EEL Rank			A	A	A	A
Heating (Average Season)	Design load			kW	2.9(-10ºC)	2.9(-10ºC)	3.8(-10ºC)	4.2(-10ºC)
	Declared Capacity	at reference design temperature		kW	2.9(-10ºC)	2.9(-10ºC)	3.8(-10ºC)	4.2(-10ºC)
		at bivalent temperature		kW	2.9(-10ºC)	2.9(-10ºC)	3.8(-10ºC)	4.2(-10ºC)
		at operation limit temperature		kW	2.4(-15ºC)	1.7(-20ºC)	3.4(-15ºC)	3.5(-15ºC)
	Back up heating capacity			kW	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)			kWh/a	882	900	1151	1304
	SCOP				4.6	4.5	4.6	4.5
		Energy efficiency class			A++	A+	A++	A+
	Capacity	Rated		kW	4.0	4.0	5.4	5.8
		Min-Max		kW	1.3-5.1	1.3-5.1	1.3-6.3	1.4-7.5
	Total Input	Rated		kW	0.950	0.950	1.455	1.560
	COP				4.21	4.21	3.71	3.72
		EEL Rank			A	A	A	A
Heating (Warmer Season)	Design load			kW	1.6(2ºC)	1.6(2ºC)	2.1(2ºC)	2.3(2ºC)
	Declared Capacity	at reference design temperature		kW	1.6(2ºC)	1.6(2ºC)	2.1(2ºC)	2.3(2ºC)
		at bivalent temperature		kW	1.6(2ºC)	1.6(2ºC)	2.1(2ºC)	2.3(2ºC)
		at operation limit temperature		kW	2.4(-15ºC)	2.4(-15ºC)	3.4(-15ºC)	3.5(-15ºC)
	Back up heating capacity			kW	0.0(2ºC)	0.0(2ºC)	0.0(2ºC)	0.0(2ºC)
	Annual electricity consumption (*2)			kWh/a	398	398	489	595
	SCOP				5.6	5.6	6.0	5.4
		Energy efficiency class			A+++	A+++	A+++	A+++
Operating Current(Max)				A	7.1	7.1	10.0	14
Indoor Unit	Input	Rated		kW	0.030	0.030	0.033	0.043
	Operating Current(Max)			A	0.3	0.3	0.4	0.4
	Dimensions	H x W x D		mm	299 x 885 x 195	299 x 885 x 195	299 x 885 x 195	299 x 885 x 195
	Weight			kg	11.5	11.5	11.5	11.5
	Air Volume	Cooling		m^3/min	4.0 - 4.6 - 6.3 - 8.3 - 10.5	4.0 - 4.6 - 6.3 - 8.3 - 10.5	5.8 - 6.6 - 7.7 - 8.9 - 11.2	5.8 - 6.8 - 7.9 - 9.2 - 11.3
	(SLo-Lo-Mid-Hi-SHi (*3)(Dry/Wet))	Heating		m^3/min	4.0 - 4.6 - 6.2 - 8.9 - 12.7	4.0 - 4.6 - 6.2 - 8.9 - 12.7	5.5 - 6.3 - 7.8 - 9.9 - 13.2	6.4 - 7.2 - 9.0 - 11.1 - 14.6
	Sound Level (SPL)	Cooling		dB(A)	21 - 24 - 30 - 36 - 42	21 - 24 - 30 - 36 - 42	28 - 31 - 35 - 39 - 43	30 - 33 - 36 - 40 - 43
	(SLo-Lo-Mid-Hi-SHi(*3))	Heating		dB(A)	21 - 24 - 30 - 38 - 46	21 - 24 - 30 - 38 - 46	28 - 30 - 35 - 41 - 48	30 - 33 - 37 - 43 - 49
	Sound Level (PWL)	Cooling		dB(A)	60	60	60	60
Outdoor Unit	Dimensions	H x W x D		mm	550 x 800 x 285	550 x 800 x 285	550 x 800 x 285	714 x 800 x 285
	Weight			kg	34	34	35	40
	Air Volume	Cooling		m^3/min	34.3	34.3	32.0	40.2
		Heating		m^3/min	32.7	32.7	32.7	40.2
	Sound Level (SPL)	Cooling		dB(A)	49	49	50	52
		Heating		dB(A)	50	50	51	52
	Sound Level (PWL)	Cooling		dB(A)	62	62	62	65
	Operating Current(Max)			A	6.8	6.8	9.6	13.6
	Breaker Size			A	10	10	12	16
Ext.Piping	Diameter	Liquid/Gas		mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
	Max.Length	Out-In		m	20	20	20	30
	Max.Height	Out-In		m	12	12	12	15
Guaranteed Operating Range(Outdoor)		Cooling		ºC	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating		ºC	-15 ~ +24	-20 ~ +24	-15 ~ +24	-15 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit					MSZ-BT20VG/K	MSZ-BT25VG/K	MSZ-BT35VG/K	MSZ-BT50VG/K
Outdoor Unit					MUZ-BT20VG	MUZ-BT25VG	MUZ-BT35VG	MUZ-BT50VG
Refrigerant					R32(*1)	R32(*1)	R32(*1)	R32(*1)
Power Supply	Source				Outdoor Power supply	Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
	Outdoor(V/Phase/Hz)				230/Single/50	230/Single/50	230/Single/50	230/Single/50
Cooling	Design load			kW	2.0	2.5	3.5	5.0
	Annual electricity consumption (*2)			kWh/a	86	108	180	265
	SEER				8.1	8.1	6.8	6.6
		Energy efficiency class			A++	A++	A++	A++
	Capacity	Rated		kW	2.0	2.5	3.5	5.0
		Min-Max		kW	0.5-2.9	0.5-3.0	0.9-3.5	1.3-5.0
	SHF				0.99	0.92	0.84	0.73
	Total Input	Rated		kW	0.450	0.700	1.240	2.050
	EER				4.44	3.57	2.82	2.44
		EEL Rank			A	A	C	E
Heating (Average Season)	Design load			kW	1.5(-10ºC)	1.9(-10ºC)	2.4(-10ºC)	3.8(-10ºC)
	Declared Capacity	at reference design temperature		kW	1.5(-10ºC)	1.9(-10ºC)	2.4(-10ºC)	3.8(-10ºC)
		at bivalent temperature		kW	1.5(-10ºC)	1.9(-10ºC)	2.4(-10ºC)	3.8(-10ºC)
		at operation limit temperature		kW	1.3(-15ºC)	1.7(-15ºC)	2.1(-15ºC)	3.4(-15ºC)
	Back up heating capacity			kW	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)			kWh/a	487	577	727	1209
	SCOP				4.3	4.6	4.6	4.4
		Energy efficiency class			A+	A++	A++	A+
	Capacity	Rated		kW	2.5	3.15	3.6	5.4
		Min-Max		kW	0.7-3.2	0.7-3.5	0.9-4.1	1.4-6.5
	Total Input	Rated		kW	0.550	0.750	0.930	1.550
	COP				4.55	4.20	3.87	3.48
		EEL Rank			A	A	A	B
Heating (Warmer Season)	Design load			kW	0.9(2ºC)	1.1(2ºC)	1.3(2ºC)	2.1(2ºC)
	Declared Capacity	at reference design temperature		kW	0.9(2ºC)	1.1(2ºC)	1.3(2ºC)	2.1(2ºC)
		at bivalent temperature		kW	0.9(2ºC)	1.1(2ºC)	1.3(2ºC)	2.1(2ºC)
		at operation limit temperature		kW	1.3(-15ºC)	1.7(-15ºC)	2.1(-15ºC)	3.4(-15ºC)
	Back up heating capacity			kW	0.0(2ºC)	0.0(2ºC)	0.0(2ºC)	0.0(2ºC)
	Annual electricity consumption (*2)			kWh/a	234	268	304	543
	SCOP				5.3	5.7	5.9	5.4
		Energy efficiency class			A+++	A+++	A+++	A+++
Operating Current(Max)				A	5.6	7.0	7.0	10.0
Indoor Unit	Input	Rated		kW	0.024	0.024	0.031	0.037
	Operating Current(Max)			A	0.25	0.25	0.31	0.35
	Dimensions	H x W x D		mm	280 x 838 x 235	280 x 838 x 235	280 x 838 x 235	280 x 838 x 235
	Weight			kg	9	9	9	9
	Air Volume	Cooling		m^3/min	4.2 - 5.2 - 6.8 - 8.7 - 10.9	4.2 - 5.2 - 6.8 - 8.7 - 10.9	4.2 - 5.2 - 6.8 - 8.7 - 13.2	6.3 - 7.6 - 9.0 - 11.0 - 13.2
	(SLo-Lo-Mid-Hi-SHi (*3)(Dry/Wet))	Heating		m^3/min	4.2 - 5.0 - 6.8 - 9.0 - 11.9	4.2 - 5.0 - 6.8 - 9.0 - 11.9	4.2 - 5.0 - 6.8 - 9.0 - 11.9	6.0 - 7.8 - 9.9 - 11.9 - 14.1
	Sound Level (SPL)	Cooling		dB(A)	19 - 22 - 30 - 37 - 43	19 - 22 - 30 - 37 - 43	19 - 22 - 31 - 38 - 46	29 - 33 - 36 - 40 - 46
	(SLo-Lo-Mid-Hi-SHi (*3))	Heating		dB(A)	20 - 23 - 30 - 37 - 43	20 - 23 - 30 - 37 - 43	20 - 23 - 30 - 37 - 44	29 - 33 - 38 - 43 - 48
	Sound Level (PWL)	Cooling		dB(A)	57	57	60	60
Outdoor Unit	Dimensions	H x W x D		mm	538 x 699 x 249	538 x 699 x 249	538 x 699 x 249	550 x 800 x 285
	Weight			kg	23	24	24	35
	Air Volume	Cooling		m^3/min	30.3	32.2	32.2	30.4
		Heating		m^3/min	30.3	32.2	34.6	32.7
	Sound Level (SPL)	Cooling		dB(A)	50	50	52	50
		Heating		dB(A)	50	50	52	51
	Sound Level (PWL)	Cooling		dB(A)	63	63	64	64
	Operating Current(Max)			A	5.3	6.7	6.7	9.6
	Breaker Size			A	10	10	10	12
Ext.Piping	Diameter	Liquid/Gas		mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
	Max.Length	Out-In		m	20	20	20	20
	Max.Height	Out-In		m	12	12	12	12
Guaranteed Operating Range(Outdoor)		Cooling		ºC	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating		ºC	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit				MSZ-SF15VA	MSZ-SF20VA
Outdoor Unit				for MXZ connection	for MXZ connection
Refrigerant				R410A (*1)	R410A (*1)
Power Supply	Source			Outdoor Power supply	Outdoor Power supply
	Outdoor (V/Phase/Hz)			230V/Single/50Hz	230V/Single/50Hz
Cooling	Design load		kW	-	-
	Annual electricity consumption (*2)		kWh/a	-	-
	SEER			-	-
		Energy efficiency class		-	-
	Capacity	Rated	kW	-	-
		Min - Max	kW	-	-
	SHF			-	-
	Total Input	Rated	kW	-	-
	EER			-	-
		EEL Rank		-	-
Heating	Design load		kW	-	-
	Declared Capacity	at reference design temperature	kW	-	-
		at bivalent temperature	kW	-	-
		at operation limit temperature	kW	-	-
	Back up heating capacity		kW	-	-
	Annual electricity consumption (*2)		kWh/a	-	-
	SCOP			-	-
		Energy efficiency class		-	-
	Capacity	Rated	kW	-	-
		Min - Max	kW	-	-
	Total Input	Rated	kW	-	-
	COP			-	-
		EEL Rank		-	-
Operating Current (Max)			A	-	-
Indoor Unit	Input	Rated	kW	0.017	0.019
	Operating Current (Max)		A	0.17	0.19
	Dimensions	H x W x D	mm	250 x 760 x 168	250 x 760 x 168
	Weight		kg	7.7	7.7
	Air Volume	Cooling	m^3/min	3.5 - 3.9 - 4.6 - 5.5 - 6.4	3.5 - 3.9 - 4.6 - 5.5 - 6.9
	(Silent-Lo-Mid-Hi-SHi (*3) (Dry/Wet))	Heating	m^3/min	3.7 - 4.4 - 5.0 - 6.0 - 6.8	3.7 - 4.4 - 5.0 - 6.0 - 7.3
	Sound Level (SPL)	Cooling	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42
	(Silent-Lo-Mid-Hi-SHi (*3))	Heating	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42
	Sound Level (PWL)	Cooling	dB(A)	59	60
Outdoor Unit	Dimensions	H x W x D	mm	-	-
	Weight		kg	-	-
	Air Volume	Cooling	m^3/min	-	-
		Heating	m^3/min	-	-
	Sound Level (SPL)	Cooling	dB(A)	-	-
		Heating	dB(A)	-	-
	Sound Level (PWL)	Cooling	dB(A)	-	-
	Operating Current (Max)		A	-	-
	Breaker Size		A	-	-
Ext.Piping	Diameter	Liquid/Gas	mm	-	-
	Max.Length	Out-In	m	-	-
	Max.Height	Out-In	m	-	-
Guaranteed Operating Range (Outdoor)		Cooling	°C	-	-
		Heating	°C	-	-

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit				MSZ-SF25VE3	MSZ-SF25VE3	MSZ-SF35VE3	MSZ-SF35VE3
Outdoor Unit				MUZ-SF25VE	MUZ-SF25VEH	MUZ-SF35VE	MUZ-SF35VEH
Refrigerant				R410A (*1)	R410A (*1)	R410A (*1)	R410A (*1)
Power Supply	Source			Outdoor Power supply	Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
	Outdoor (V/Phase/Hz)			230V/Single/50Hz	230V/Single/50Hz	230V/Single/50Hz	230V/Single/50Hz
Cooling	Design load		kW	2.5	2.5	3.5	3.5
	Annual electricity consumption (*2)		kWh/a	116	116	171	171
	SEER			7.6	7.6	7.2	7.2
		Energy efficiency class		A++	A++	A++	A++
	Capacity	Rated	kW	2.5	2.5	3.5	3.5
		Min - Max	kW	0.9 - 3.4	0.9 - 3.4	1.1 - 3.8	1.1 - 3.8
	SHF			0.92	0.92	0.8	0.8
	Total Input	Rated	kW	0.600	0.600	1.080	1.080
	EER			4.17	4.17	3.24	3.24
		EEL Rank		A	A	A	A
Heating	Design load		kW	2.4(-10ºC)	2.4(-10ºC)	2.9(-10ºC)	2.9(-10ºC)
	Declared Capacity	at reference design temperature	kW	2.4(-10ºC)	2.4(-10ºC)	2.9(-10ºC)	2.9(-10ºC)
		at bivalent temperature	kW	2.4(-10ºC)	2.4(-10ºC)	2.9(-10ºC)	2.9(-10ºC)
		at operation limit temperature	kW	2.0(-15ºC)	1.6(-20ºC)	2.2(-15ºC)	1.6(-20ºC)
	Back up heating capacity		kW	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)		kWh/a	764	790	923	948
	SCOP			4.4	4.3	4.4	4.3
		Energy efficiency class		A+	A+	A+	A+
	Capacity	Rated	kW	3.2	3.2	4.0	4.0
		Min - Max	kW	1.0 - 4.1	1.0 - 4.1	1.3 - 4.6	1.3 - 4.6
	Total Input	Rated	kW	0.780	0.780	1.030	1.030
	COP			4.10	4.10	3.88	3.88
		EEL Rank		A	A	A	A
Operating Current (Max)			A	8.4	8.4	8.5	8.5
Indoor Unit	Input	Rated	kW	0.024	0.024	0.027	0.027
	Operating Current (Max)		A	0.2	0.2	0.3	0.3
	Dimensions	H x W x D	mm	299 x 798 x 195	299 x 798 x 195	299 x 798 x 195	299 x 798 x 195
	Weight		kg	10	10	10	10
	Air Volume	Cooling	m^3/min	3.2 - 4.1 - 5.6 - 7.2 - 9.1	3.2 - 4.1 - 5.6 - 7.2 - 9.1	3.2 - 4.1 - 5.6 - 7.2 - 9.1	3.2 - 4.1 - 5.6 - 7.2 - 9.1
	(Silent-Lo-Mid-Hi-SHi (*3) (Dry/Wet))	Heating	m^3/min	3.0 - 4.1 - 6.7 - 8.2 - 10.3	3.0 - 4.1 - 6.7 - 8.2 - 10.3	3.0 - 4.1 - 6.7 - 8.3 - 11.0	3.0 - 4.1 - 6.7 - 8.3 - 11.0
	Sound Level (SPL)	Cooling	dB(A)	19 (*4) - 24 - 30 - 36 - 42	19 (*4) - 24 - 30 - 36 - 42	19 (*4) - 24 - 30 - 36 - 42	19 (*4) - 24 - 30 - 36 - 42
	(Silent-Lo-Mid-Hi-SHi (*3))	Heating	dB(A)	19 (*4) - 24 - 34 - 39 - 45	19 (*4) - 24 - 34 - 39 - 45	19 (*4) - 24 - 34 - 40 - 46	19 (*4) - 24 - 34 - 40 - 46
	Sound Level (PWL)	Cooling	dB(A)	57	57	57	57
Outdoor Unit	Dimensions	H x W x D	mm	550 x 800 x 285	550 x 800 x 285	550 x 800 x 285	550 x 800 x 285
	Weight		kg	31	31	31	31
	Air Volume	Cooling	m^3/min	31.1	31.1	35.9	35.9
		Heating	m^3/min	30.7	30.7	35.9	35.9
	Sound Level (SPL)	Cooling	dB(A)	47	47	49	49
		Heating	dB(A)	48	48	50	50
	Sound Level (PWL)	Cooling	dB(A)	58	58	62	62
	Operating Current (Max)		A	8.2	8.2	8.2	8.2
	Breaker Size		A	10	10	10	10
Ext.Piping	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
	Max.Length	Out-In	m	20	20	20	20
	Max.Height	Out-In	m	12	12	12	12
Guaranteed Operating Range (Outdoor)		Cooling	ºC	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	ºC	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

(*4) SF25 - 35 For single use: only 19dB(A). For multi use (MXZ): 21dB(A)

Indoor Unit					MSZ-SF42VE3	MSZ-SF42VE3	MSZ-SF50VE3	MSZ-SF50VE3
Outdoor Unit					MUZ-SF42VE	MUZ-SF42VEH	MUZ-SF50VE	MUZ-SF50VEH
Refrigerant					R410A (*1)	R410A (*1)	R410A (*1)	R410A (*1)
Power Supply	Source				Outdoor Power supply	Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
	Outdoor (V/Phase/Hz)				230V/Single/50Hz	230V/Single/50Hz	230V/Single/50Hz	230V/Single/50Hz
Cooling	Design load			kW	4.2	4.2	5.0	5.0
	Annual electricity consumption (*2)			kWh/a	196	196	246	246
	SEER				7.5	7.5	7.2	7.2
		Energy efficiency class			A++	A++	A++	A++
	Capacity	Rated		kW	4.2	4.2	5.0	5.0
		Min - Max		kW	0.8 - 4.5	0.8 - 4.5	1.4 - 5.4	1.4 - 5.4
	SHF				0.72	0.72	0.7	0.7
	Total Input	Rated		kW	1.340	1.340	1.660	1.660
	EER				3.13	3.13	3.01	3.01
		EEL Rank			B	B	B	B
Heating	Design load			kW	3.8(-10ºC)	3.8(-10ºC)	4.2(-10ºC)	4.2(-10ºC)
	Declared Capacity	at reference design temperature		kW	3.8(-10ºC)	3.8(-10ºC)	4.2(-10ºC)	4.2(-10ºC)
		at bivalent temperature		kW	3.8(-10ºC)	3.8(-10ºC)	4.2(-10ºC)	4.2(-10ºC)
		at operation limit temperature		kW	3.4(-15ºC)	2.2(-20ºC)	3.4(-15ºC)	2.3(-20ºC)
	Back up heating capacity			kW	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)			kWh/a	1215	1242	1351	1380
	SCOP				4.4	4.3	4.4	4.3
		Energy efficiency class			A+	A+	A+	A+
	Capacity	Rated		kW	5.4	5.4	5.8	5.8
		Min - Max		kW	1.3 - 6.0	1.3 - 6.0	1.4 - 7.3	1.4 - 7.3
	Total Input	Rated		kW	1.580	1.580	1.700	1.700
	COP				3.42	3.42	3.41	3.41
		EEL Rank			B	B	B	B
Operating Current (Max)				A	9.5	9.5	12.3	12.3
Indoor Unit	Input	Rated		kW	0.027	0.027	0.035	0.035
	Operating Current (Max)			A	0.3	0.3	0.3	0.3
	Dimensions	H x W x D		mm	299 x 798 x 195	299 x 798 x 195	299 x 798 x 195	299 x 798 x 195
	Weight			kg	10	10	10	10
	Air Volume	Cooling		m^3/min	4.7 - 5.8 - 6.7 - 7.9 - 9.1	4.7 - 5.8 - 6.7 - 7.9 - 9.1	5.1 - 6.2 - 7.0 - 8.2 - 9.9	5.1 - 6.2 - 7.0 - 8.2 - 9.9
	(Silent-Lo-Mid-Hi-SHi (*3) (Dry/Wet))	Heating		m^3/min	4.7 - 5.8 - 7.2 - 9.1 - 11.4	4.7 - 5.8 - 7.2 - 9.1 - 11.4	5.1 - 6.4 - 8.0 - 9.8 - 12.0	5.1 - 6.4 - 8.0 - 9.8 - 12.0
	Sound Level (SPL)	Cooling		dB(A)	26 (*4) - 31 - 34 - 38 - 42	26 (*4) - 31 - 34 - 38 - 42	28 (*5) - 33 - 36 - 40 - 45	28 (*5) - 33 - 36 - 40 - 45
	(Silent-Lo-Mid-Hi-SHi (*3))	Heating		dB(A)	26 (*4) - 31 - 36 - 42 - 47	26 (*4) - 31 - 36 - 42 - 47	28 (*5) - 33 - 38 - 43 - 49	28 (*5) - 33 - 38 - 43 - 49
	Sound Level (PWL)	Cooling		dB(A)	57	57	58	58
Outdoor Unit	Dimensions	H x W x D		mm	550 x 800 x 285	550 x 800 x 285	880 x 840 x 330	880 x 840 x 330
	Weight			kg	35	35	55	55
	Air Volume	Cooling		m^3/min	35.2	35.2	44.6	44.6
		Heating		m^3/min	33.6	33.6	44.6	44.6
	Sound Level (SPL)	Cooling		dB(A)	50	50	52	52
		Heating		dB(A)	51	51	52	52
	Sound Level (PWL)	Cooling		dB(A)	63	63	65	65
	Operating Current (Max)			A	9.2	9.2	12.0	12.0
	Breaker Size			A	10	10	16	16
Ext.Piping	Diameter	Liquid/Gas		mm	6.35/9.52	6.35/9.52	6.35/12.7	6.35/12.7
	Max.Length	Out-In		m	20	20	30	30
	Max.Height	Out-In		m	12	12	15	15
Guaranteed Operating Range (Outdoor)		Cooling		ºC	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating		ºC	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

(*4) SF42 For single use: only 26dB(A). For multi use (MXZ): 28dB(A)

(*5) SF50 For single use: only 28dB(A). For multi use (MXZ): 30dB(A)

Indoor Unit					MSZ-GF60VE2	MSZ-GF71VE2
Outdoor Unit					MUZ-GF60VE	MUZ-GF71VE
Refrigerant					R410A (*1)	R410A (*1)
Power Supply	Source				Outdoor Power supply	Outdoor Power supply
	Outdoor (V/Phase/Hz)				230V/Single/50Hz	230V/Single/50Hz
Cooling	Design load			kW	6.1	7.1
	Annual electricity consumption (*2)			kWh/a	311	364
	SEER				6.8	6.8
		Energy efficiency class			A++	A++
	Capacity	Rated		kW	6.1	7.1
		Min - Max		kW	1.4 - 7.5	2.0 - 8.7
	SHF				0.79	0.78
	Total Input	Rated		kW	1.79	2.13
	EER				3.41	3.33
		EEL Rank			A	A
Heating	Design load			kW	4.6(-10ºC)	6.7(-10ºC)
	Declared Capacity	at reference design temperature		kW	4.6(-10ºC)	6.7(-10ºC)
		at bivalent temperature		kW	4.6(-10ºC)	6.7(-10ºC)
		at operation limit temperature		kW	3.7(-15ºC)	5.4(-15ºC)
	Back up heating capacity			kW	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)			kWh/a	1489	2204
	SCOP				4.3	4.2
		Energy efficiency class			A+	A+
	Capacity	Rated		kW	6.8	8.1
		Min - Max		kW	2.0 - 9.3	2.2 - 9.9
	Total Input	Rated		kW	1.81	2.23
	COP				3.76	3.63
		EEL Rank			A	A
Operating Current (Max)				A	14.5	16.6
Indoor Unit	Input	Rated		kW	0.062	0.058
	Operating Current (Max)			A	0.5	0.5
	Dimensions	H x W x D		mm	325 x 1100 x 238	325 x 1100 x 238
	Weight			kg	16	16
	Air Volume	Cooling		m^3/min	9.8 - 11.3 - 13.4 - 15.6 - 18.3	9.7 - 11.5 - 13.3 - 15.4 - 17.8
	(Silent-Lo-Mid-Hi-SHi (*3) (Dry/Wet))	Heating		m^3/min	9.8 - 11.3 - 13.4 - 15.6 - 18.3	10.2 - 11.5 - 13.3 - 15.4 - 17.8
	Sound Level (SPL)	Cooling		dB(A)	29-37-41-45-49	30-37-41-45-49
	(Silent-Lo-Mid-Hi-SHi (*3))	Heating		dB(A)	29-37-41-45-49	30-37-41-45-49
	Sound Level (PWL)	Cooling		dB(A)	65	65
Outdoor Unit	Dimensions	H x W x D		mm	880 x 840 x 330	880 x 840 x 330
	Weight			kg	50	53
	Air Volume	Cooling		m^3/min	49.2	50.1
		Heating		m^3/min	49.2	48.2
	Sound Level (SPL)	Cooling		dB(A)	55	55
		Heating		dB(A)	55	55
	Sound Level (PWL)	Cooling		dB(A)	65	65
	Operating Current (Max)			A	14.0	16.1
	Breaker Size			A	20	20
Ext.Piping	Diameter	Liquid/Gas		mm	6.35/15.88	9.52/15.88
	Max.Length	Out-In		m	30	30
	Max.Height	Out-In		m	15	15
Guaranteed Operating Range (Outdoor)		Cooling		ºC	-10~+46	-10~+46
		Heating		ºC	-15~+24	-15~+24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit					MSZ-WN25VA	MSZ-WN35VA
Outdoor Unit					MUZ-WN25VA	MUZ-WN35VA
Refrigerant					R410A (*1)	R410A (*1)
Power Supply	Source				Indoor Power supply	Indoor Power supply
	Outdoor (V/Phase/Hz)				230V/SinglePhase/50Hz	230V/SinglePhase/50Hz
Cooling		Design load		kW	2.5	3.1
		Annual electricity consumption (*2)		kWh/a	141	173
		SEER			6.2	6.2
			Energy efficiency class		A++	A++
		Capacity	Rated	kW	2.5	3.15
			Min - Max	kW	1.3 - 3.0	1.4 - 3.5
		SHF			0.89	0.87
		Total Input	Rated	kW	0.710	1.020
		EER			3.52	3.09
			EEL Rank		A	B
Heating (Average Season)		Design load		kW	1.9(-10ºC)	2.4(-10ºC)
		Declared Capacity	at reference design temperature	kW	1.9(-10ºC)	2.4(-10ºC)
			at bivalent temperature	kW	1.9(-10ºC)	2.4(-10ºC)
			at operation limit temperature	kW	1.6(-15ºC)	2.0(-15ºC)
		Back up heating capacity		kW	0.0(-10ºC)	0.0(-10ºC)
		Annual electricity consumption (*2)		kWh/a	628	793
		SCOP			4.2	4.3
			Energy efficiency class		A+	A+
		Capacity	Rated	kW	3.15	3.6
			Min - Max	kW	0.9 - 3.5	1.1 - 4.1
		Total Input	Rated	kW	0.850	0.975
		COP			3.71	3.69
			EEL Rank		A	A
Operating Current (Max)				A	5.8	6.5
Indoor Unit	Input		Rated	kW	0.020	0.026
	Operating Current (Max)			A	0.3	0.3
	Dimensions		H × W × D	mm	290 × 799 × 232	290 × 799 × 232
	Weight			kg	9	9
	Air Volume		Cooling	m^3/min	3.8 - 5.5 - 7.3 - 9.5	3.8 - 5.7 - 7.8 - 11.4
	(SLo-Lo-Mid-Hi-SHi (*3) (Dry/Wet))		Heating	m^3/min	3.5 - 5.5 - 7.5 - 10.0	3.5 - 5.5 - 7.5 - 10.3
	Sound Level (SPL)		Cooling	dB(A)	22 - 30 - 37 - 43	22 - 31 - 38 - 46
	(SLo-Lo-Mid-Hi-SHi (*3))		Heating	dB(A)	23 - 30 - 37 - 43	23 - 30 - 37 - 44
	Sound Level (PWL)		Cooling	dB(A)	57	60
Outdoor Unit	Dimensions		H × W × D	mm	538 × 699 × 249	538 × 699 × 249
	Weight			kg	24	25
	Air Volume		Cooling	m^3/min	31.5	31.5
			Heating	m^3/min	31.5	31.5
	Sound Level (SPL)		Cooling	dB(A)	50	52
			Heating	dB(A)	50	52
	Sound Level (PWL)		Cooling	dB(A)	63	64
	Operating Current (Max)			A	5.5	6.2
	Breaker Size			A	10	10
Ext.Piping	Diameter		Liquid/Gas	mm	6.35/9.52	6.35/9.52
	Max.Length		Out-In	m	20	20
	Max.Height		Out-In	m	12	12
Guaranteed Operating Range (Outdoor)			Cooling	ºC	-10 ~ +46	-10 ~ +46
			Heating	ºC	-15 ~ +24	-15 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit					MSZ-DM25VA	MSZ-DM35VA
Outdoor Unit					MUZ-DM25VA	MUZ-DM35VA
Refrigerant					R410A(*1)	R410A(*1)
Power Supply	Source				Indoor Power supply	Indoor Power supply
	Outdoor(V/Phase/Hz)				230V/SinglePhase/50Hz	230V/SinglePhase/50Hz
Cooling	Design load			kW	2.5	3.1
	Annual electricity consumption (*2)			kWh/a	149	190
	SEER				5.8	5.7
		Energy efficiency class			A+	A+
	Capacity	Rated		kW	2.5	3.15
		Min-Max		kW	1.3 - 3.0	1.4 - 3.5
	SHF				0.89	0.87
	Total Input	Rated		kW	0.710	1.020
	EER				3.52	3.09
		EEL Rank			A	B
Heating (Average Season)	Design load			kW	1.9(-10ºC)	2.4(-10ºC)
	Declared Capacity	at reference design temperature		kW	1.9(-10ºC)	2.4(-10ºC)
		at bivalent temperature		kW	1.9(-10ºC)	2.4(-10ºC)
		at operation limit temperature		kW	1.9(-10ºC)	2.4(-10ºC)
	Back up heating capacity			kW	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)			kWh/a	647	809
	SCOP				4.1	4.1
		Energy efficiency class			A+	A+
	Capacity	Rated		kW	3.15	3.6
		Min-Max		kW	0.9 - 3.5	1.1 - 4.1
	Total Input	Rated		kW	0.850	0.975
	COP				3.71	3.69
		EEL Rank			A	A
Operating Current(Max)				A	5.8	6.5
Indoor Unit	Input	Rated		kW	0.020	0.021
	Operating Current(Max)			A	0.3	0.3
	Dimensions	H x W x D		mm	290 x 799 x 232	290 x 799 x 232
	Weight			kg	9	9
	Air Volume	Cooling		m^3/min	3.8 - 5.5 - 7.3 - 9.5	3.8 - 5.7 - 7.8 - 10.9
	(SLo-Lo-Mid-Hi-SHi(*3)(Dry/Wet))	Heating		m^3/min	3.5 - 5.5 - 7.5 - 10.0	3.5 - 5.5 - 7.5 - 10.3
	Sound Level (SPL)	Cooling		dB(A)	22 - 30 - 37 - 43	22 - 31 - 38 - 45
	(SLo-Lo-Mid-Hi-SHi(*3))	Heating		dB(A)	23 - 30 - 37 - 43	23 - 30 - 37 - 44
	Sound Level (PWL)	Cooling		dB(A)	57	60
Outdoor Unit	Dimensions	H x W x D		mm	538 x 699 x 249	538 x 699 x 249
	Weight			kg	24	25
	Air Volume	Cooling		m^3/min	31.5	31.5
		Heating		m^3/min	31.5	31.5
	Sound Level (SPL)	Cooling		dB(A)	50	51
		Heating		**dB(A)**	**50**	**51**
	Sound Level (PWL)	Cooling		dB(A)	63	64
	Operating Current(Max)			A	5.5	6.2
	Breaker Size			A	10	10
Ext.Piping	Diameter	Liquid/Gas		mm	6.35/9.52	6.35/9.52
	Max.Length	Out-In		m	20	20
	Max.Height	Out-In		m	12	12
Guaranteed Operating Range(Outdoor)		Cooling		ºC	-10 ~ +46	-10 ~ +46
		Heating		ºC	-10 ~ +24	-10 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit				MSZ-HJ25VA	MSZHJ35VA	MSZ-HJ50VA	MSZ-HJ60VA	MSZ-HJ71VA
Outdoor Unit				MUZ-HJ25VA	MUZ-HJ35VA	MUZ-HJ50VA	MUZ-HJ60VA	MUZ-HJ71VA
Refrigerant				R410A (*1)	R410A (*1)	R410A (*1)	R410A (*1)	R410A (*1)
Power Supply	Source			Indoor Power supply	Indoor Power supply	Indoor Power supply	Indoor Power supply	Indoor Power supply
	Outdoor(V/Phase/Hz)			230V/SinglePhase/50Hz	230V/SinglePhase/50Hz	230V/SinglePhase/50Hz	230 V/SinglePhase/50Hz	230V/SinglePhase/50Hz
Cooling	Design load		kW	2.5	3.1	5.0	6.1	7.1
	Annual electricity consumption (*2)		kWh/a	171	212	292	354	441
	SEER			5.1	5.1	6.0	6.0	5.6
		Energy efficiency class		A	A	A+	A+	A+
	Capacity	Rated	kW	2.5	3.15	5.0	6.1	7.1
		Min - Max	kW	1.3 - 3.0	1.4 - 3.5	1.3 - 5.0	1.7 - 7.1	1.8 - 7.1
	SHF			0.89	0.87	0.70	0.82	0.77
	Total Input	Rated	kW	0.730	1.040	2.050	1.900	2.330
	EER			3.42	3.03	2.44	3.21	3.05
		EEL Rank		A	B	E	A	B
Heating (Average Season)	Design load		kW	1.9(-10ºC)	2.4(-10ºC)	3.8(-10ºC)	4.6(-10ºC)	5.4(-10ºC)
	Declared Capacity	at reference design temperature	kW	1.9(-10ºC)	2.4(-10ºC)	3.8(-10ºC)	4.6(-10ºC)	5.4(-10ºC)
		at bivalent temperature	kW	1.9(-10ºC)	2.4(-10ºC)	3.8(-10ºC)	4.6(-10ºC)	5.4(-10ºC)
		at operation limit temperature	kW	1.9(-10ºC)	2.4(-10ºC)	3.8(-10ºC)	4.6(-10ºC)	5.4(-10ºC)
	Back up heating capacity		kW	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)	0.0(-10ºC)
	Annual electricity consumption (*2)		kWh/a	698	885	1267	1544	1854
	SCOP			3.8	3.8	4.2	4.1	4.0
		Energy efficiency class		A	A	A+	A+	A+
	Capacity	Rated	kW	3.15	3.6	5.4	6.8	8.1
		Min - Max	kW	0.9 - 3.5	1.1 - 4.1	1.4 - 6.5	1.5 - 8.4	1.5 - 8.5
	Total Input	Rated	kW	0.870	0.995	1.480	1.970	2.440
	COP			3.62	3.62	3.65	3.45	3.32
		EEL Rank		A	A	A	B	C
Operating Current (Max)			A	5.8	6.5	9.8	12.5	12.5
Indoor Unit	Input	Rated	kW	0.020	0.021	0.037	0.055	0.055
	Operating Current (Max)		A	0.3	0.3	0.4	0.5	0.5
	Dimensions	H x W x D	mm	290 x 799 x 232	290 x 799 x 232	290 x 799 x 232	305 x 923 x 250	305 x 923 x 250
	Weight		kg	9	9	9	13	13
	Air Volume	Cooling	m^3/min	3.8 - 5.5 - 7.3 - 9.5	3.8 - 5.7 - 7.8 - 10.9	6.3 - 9.1 - 11.1 - 12.9	9.3 - 12.2 - 15.0 - 19.9	10.0 - 12.2 - 15.0 - 19.9
	(Lo-Mid-Hi-SHi (*3) (Dry/Wet))	Heating	m^3/min	3.5 - 5.5 - 7.5 - 10.0	3.5 - 5.5 - 7.5 - 10.3	6.1 - 8.3 - 11.1 - 14.3	9.4 - 12.5 - 16.0 - 19.9	10.3 - 12.7 - 16.4 - 19.9
	Sound Level (SPL)	Cooling	dB(A)	22 - 30 - 37 - 43	22 - 31 - 38 - 45	28 - 36 - 40 - 45	31 - 38 - 44 - 50	33 - 38 - 44 - 50
	(Lo-Mid-Hi-SHi (*3))	Heating	dB(A)	23 - 30 - 37 - 43	23 - 30 - 37 - 44	27 - 34 - 41 - 47	31 - 38 - 44 - 49	33 - 38 - 44 - 49
	Sound Level (PWL)	Cooling	dB(A)	57	60	60	65	65
Outdoor Unit	Dimensions	H x W x D	mm	538 x 699 x 249	538 x 699 x 249	550 x 800 x 285	880 x 840 x 330	880 x 840 x 330
	Weight		kg	24	25	36	55	55
	Air Volume	Cooling	m^3/min	31.5	31.5	36.3	47.9	49.3
		Heating	m^3/min	31.5	31.5	34.8	47.9	47.9
	Sound Level (SPL)	Cooling	dB(A)	50	50	50	55	55
		Heating	dB(A)	50	50	51	55	55
	Sound Level (PWL)	Cooling	dB(A)	63	64	64	65	66
	Operating Current (Max)		A	5.5	6.2	9.4	12	12
	Breaker Size		A	10	10	12	16	16
Ext.Piping	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/12.7	6.35/15.88	9.52/15.88
	Max.Length	Out-In	m	20	20	20	30	30
	Max.Height	Out-In	m	12	12	12	15	15
Guaranteed Operating Range (Outdoor)		Cooling	ºC	+15~+46	+15~+46	+15~+46	+15~+46	+15~+46
		Heating	ºC	-10~+24	-10~+24	-10~+24	-10~+24	-10~+24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

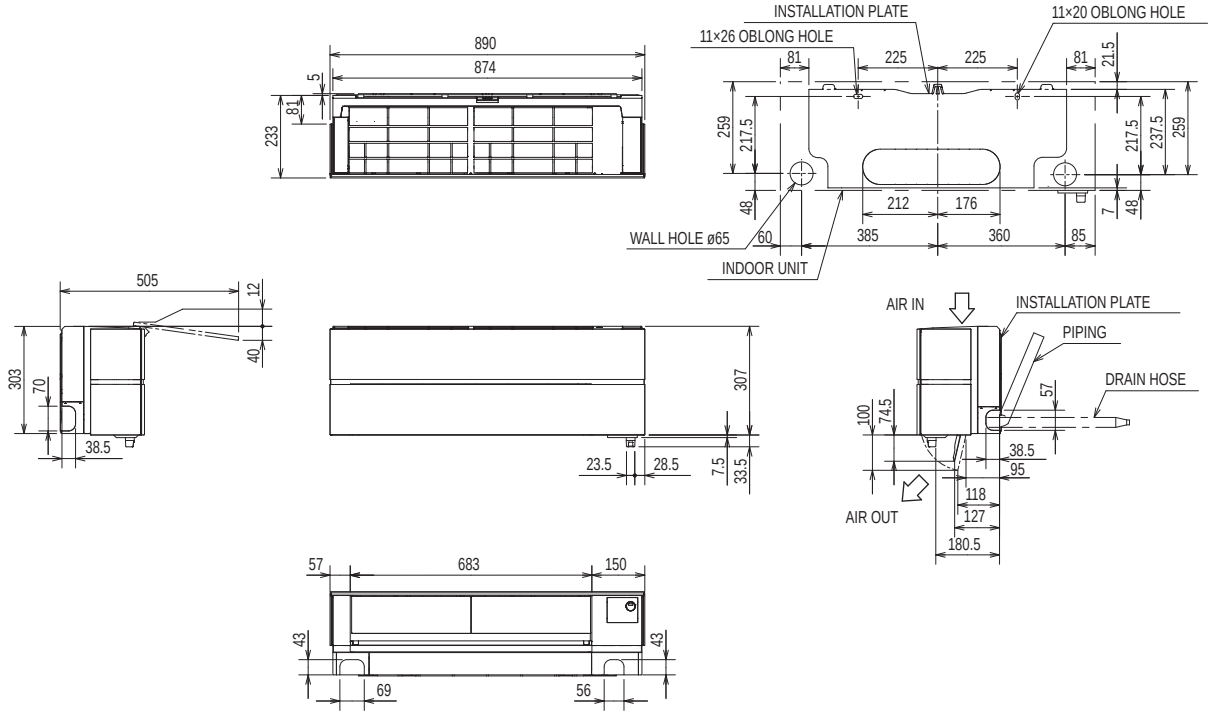
C.1.2 OUTLINES AND DIMENSIONS

C.1.2.1 Indoor Unit

Unit: mm

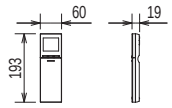
MSZ-LN18VG2W MSZ-LN25VG2W MSZ-LN35VG2W MSZ-LN50VG2W MSZ-LN60VG2W
MSZ-LN18VG2V MSZ-LN25VG2V MSZ-LN35VG2V MSZ-LN50VG2V MSZ-LN60VG2V
MSZ-LN18VG2B MSZ-LN25VG2B MSZ-LN35VG2B MSZ-LN50VG2B MSZ-LN60VG2B
MSZ-LN18VG2R MSZ-LN25VG2R MSZ-LN35VG2R MSZ-LN50VG2R MSZ-LN60VG2R

INDOOR UNIT

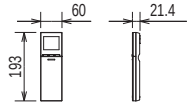


REMOTE CONTROLLER

<IN CASE OF T01>
MSZ-LN18/25/35/50VG2W



<IN CASE OF T02>
MSZ-LN18/25/35/50VG2V,VG2R,VG2B



MSZ-LN60VG2W,VG2V,VG2B,VG2R - E1

PIPING	INSULATION	ø37 O.D
	LIQUID LINE	ø6.35 - 0.5m (FLARED CONNECTION ø6.35)
	GAS LINE	ø9.52 - 0.45m (FLARED CONNECTION ø12.7)
DRAIN HOSE		INSULATION ø29 CONNECTED PART ø16 O.D

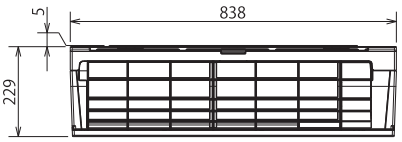
MSZ-LN18/25/35/50VG2W,VG2V,VG2R,VG2B - E1		
PIPING	INSULATION	ø37 O.D
	LIQUID LINE	ø6.35 - 0.5m (FLARED CONNECTION ø6.35)
	GAS LINE	ø9.52 - 0.45m (FLARED CONNECTION ø9.52)
DRAIN HOSE		INSULATION ø29 CONNECTED PART ø16 O.D

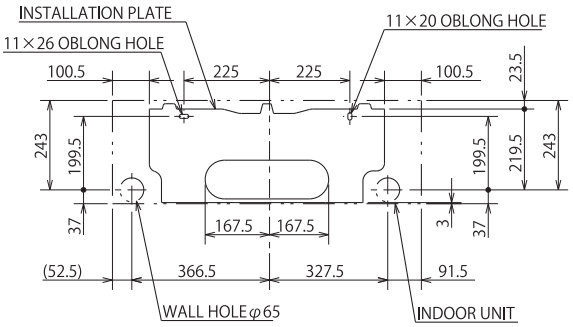
MSZ-LN18/25/35/50VG2W,VG2V,VG2R,VG2B - EN1		
PIPING	INSULATION	ø37 O.D
	LIQUID LINE	ø6.35 - 0.64m (FLARED CONNECTION ø6.35)
	GAS LINE	ø9.52 - 0.59m (FLARED CONNECTION ø9.52)
DRAIN HOSE		INSULATION ø29 CONNECTED PART ø16 O.D

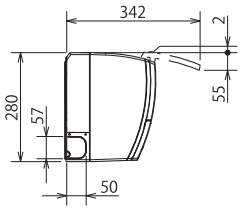
Unit: mm

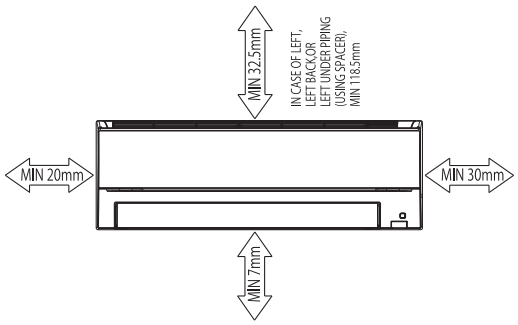
MSZ-FT25VG MSZ-FT35VG MSZ-FT50VG
MSZ-FT25VGK MSZ-FT35VGK MSZ-FT50VGK

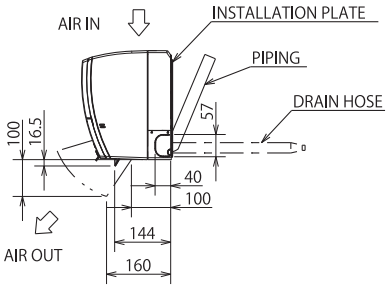
INDOOR UNIT

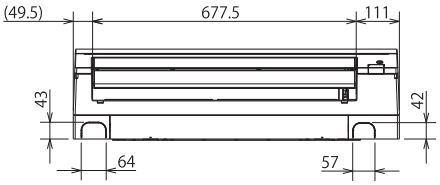


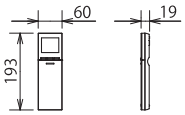












MSZ-FT25/35/50VG-E1
MSZ-FT25/35/50VGK-E1

PIPING	INSULATION	φ37 O.D
	LIQUID LINE	φ7 - 0.39m (FLARED CONNECTION φ6.35)
	GAS LINE	φ9.52 - 0.34m (FLARED CONNECTION φ9.52)
DRAIN HOSE		INSULATION φ29 CONNECTED PART φ16 O.D

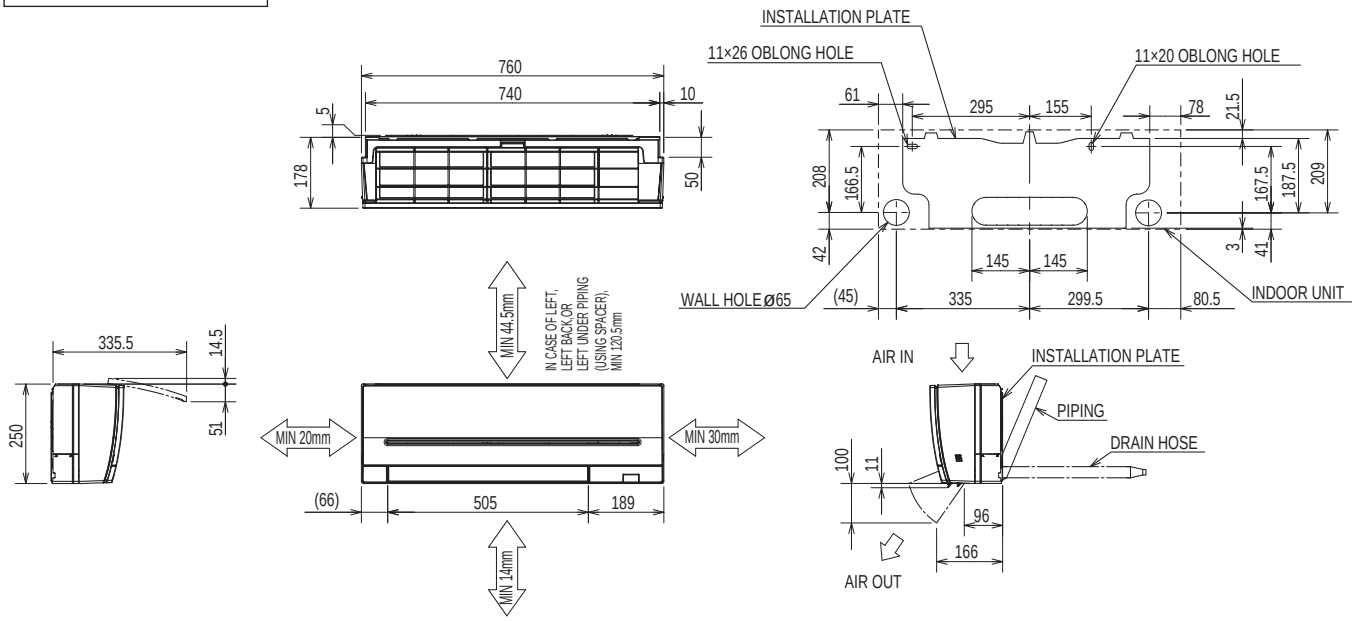
MSZ-FT25/35/50VGK-SC1

PIPING	INSULATION	φ37 O.D
	LIQUID LINE	φ7 - 0.59m (FLARED CONNECTION φ6.35)
	GAS LINE	φ9.52 - 0.54m (FLARED CONNECTION φ9.52)
DRAIN HOSE		INSULATION φ29 CONNECTED PART φ16 O.D

Unit: mm

MSZ-AP15VG MSZ-AP15VGK MSZ-AP20VG MSZ-AP20VGK

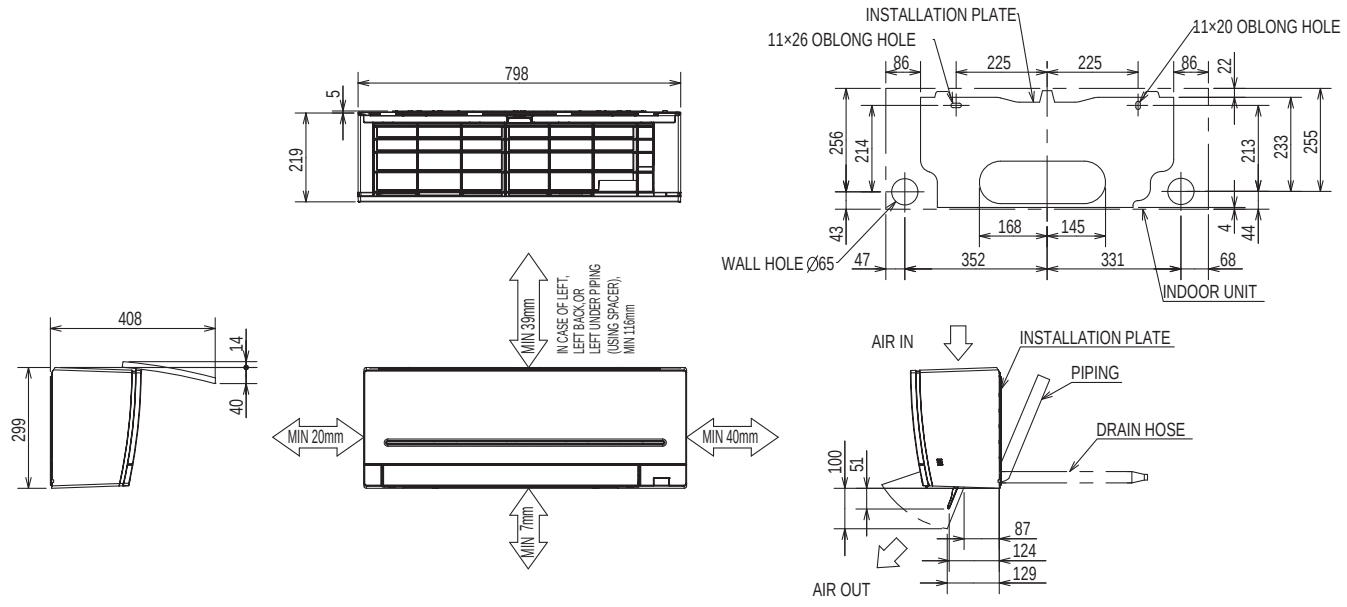
INDOOR UNIT



Piping	Insulation	ø35 O.D
	Liquid line	ø6.35 - 0.39m (Flared connection ø6.35)
	Gas line	ø9.52 - 0.34m (Flared connection ø9.52)
Drain hose		Insulation ø29 Connected part ø16 O.D

MSZ-AP25VG MSZ-AP35VG MSZ-AP42VG MSZ-AP50VG MSZ-AP25VGK MSZ-AP35VGK MSZ-AP42VGK MSZ-AP50VGK

INDOOR UNIT



(MSZ-AP25/35/42/50VG- E2
MSZ-AP25/35/42/50VGK- E2

PIPING	INSULATION	Ø37 O.D
	LIQUID LINE	Ø6.35 - 0.39m (FLARED CONNECTION Ø6.35)
	GAS LINE	Ø9.52 - 0.34m (FLARED CONNECTION Ø9.52)
DRAIN HOSE		INSULATION Ø29 CONNECTED PART Ø16 O.D

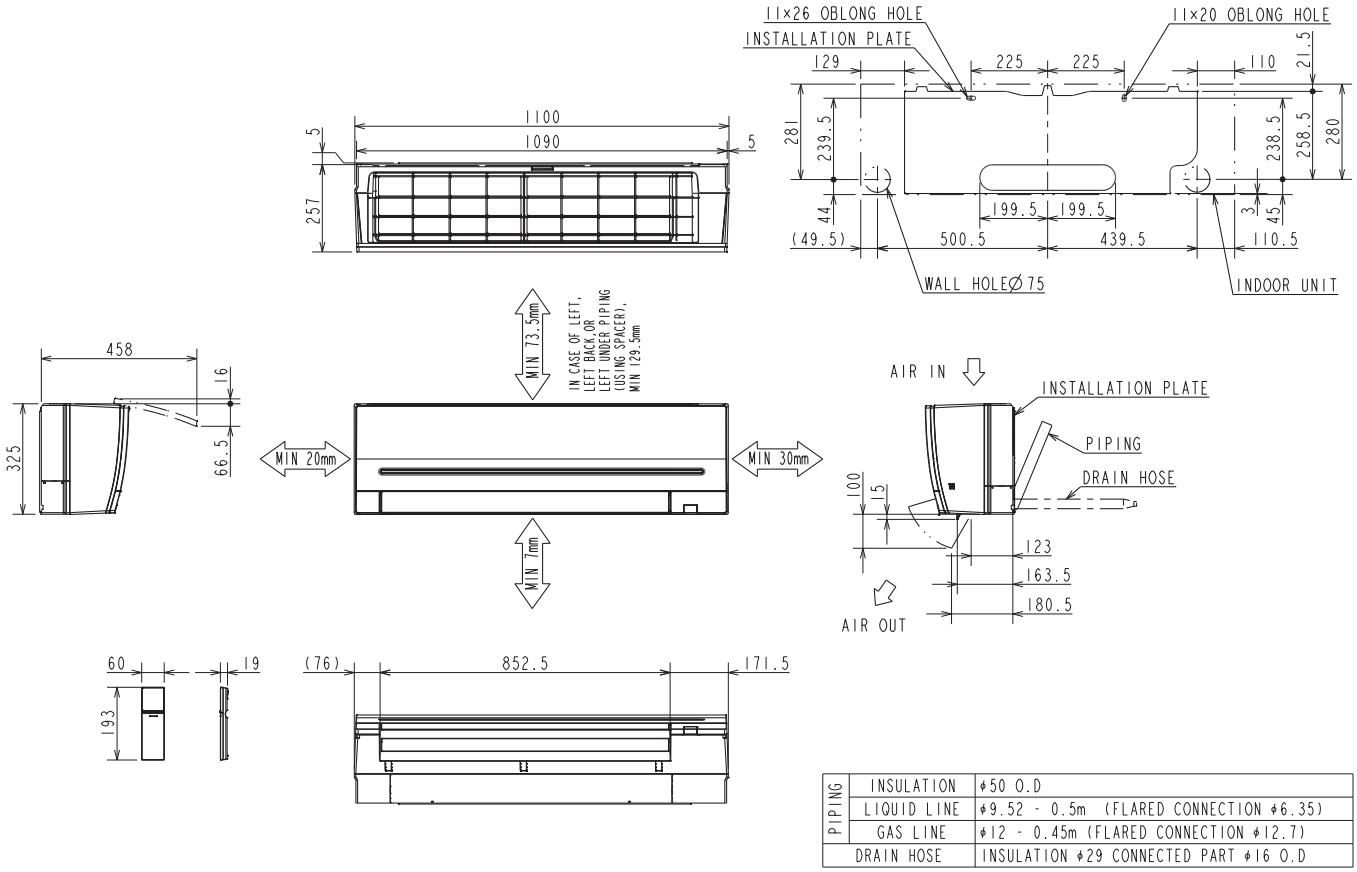
(MSZ-AP25/35/42/50VG- EN2
MSZ-AP25/35/42/50VGK- EN2

PIPING	INSULATION	Ø37 O.D
	LIQUID LINE	Ø6.35 - 0.5m (FLARED CONNECTION Ø6.35)
	GAS LINE	Ø9.52 - 0.45m (FLARED CONNECTION Ø9.52)
DRAIN HOSE		INSULATION Ø29 CONNECTED PART Ø16 O.D

Unit: mm

MSZ-AP60VG MSZ-AP71VG MSZ-AP60VGK MSZ-AP71VGK

INDOOR UNIT

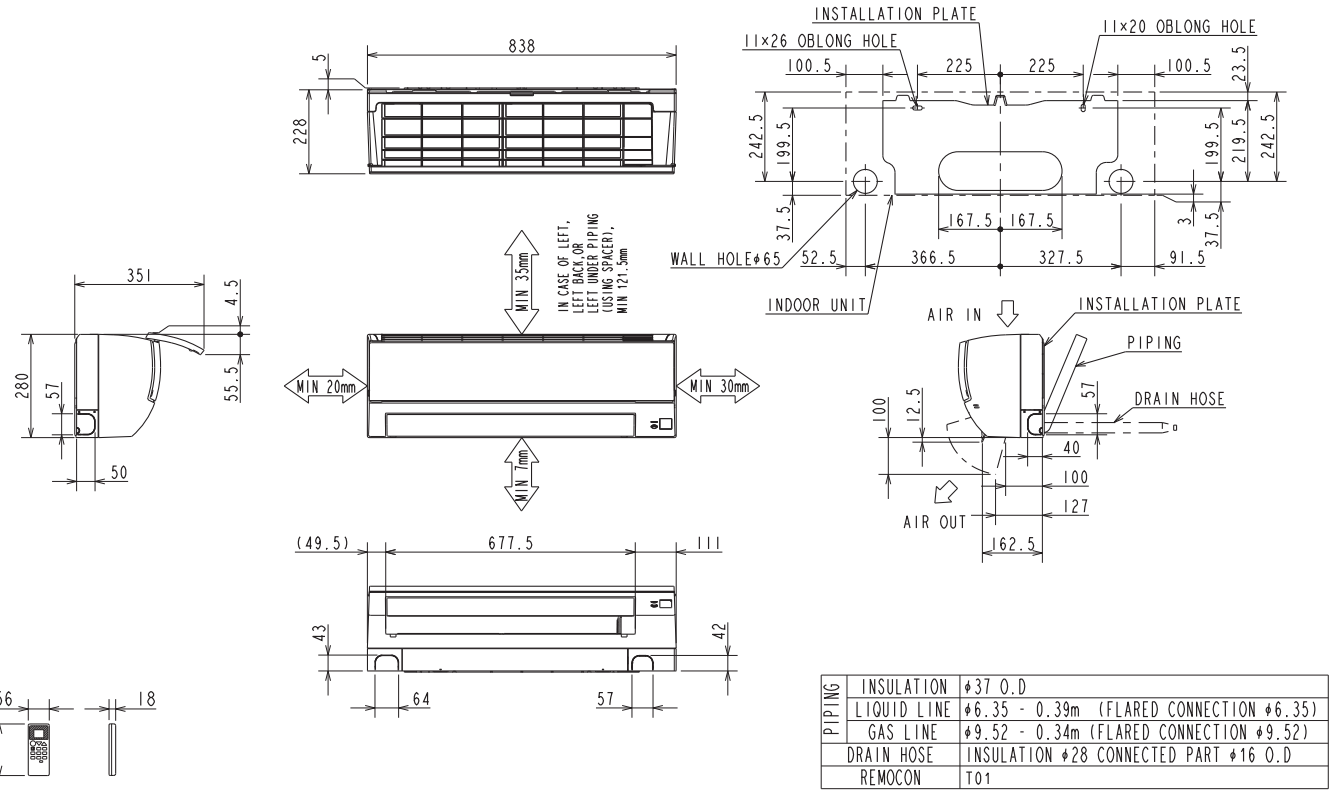


PIPING	INSULATION	ϕ50 O.D
	LIQUID LINE	ϕ9.52 - 0.5m (FLARED CONNECTION ϕ6.35)
	GAS LINE	ϕ12 - 0.45m (FLARED CONNECTION ϕ12.7)
DRAIN HOSE		INSULATION ϕ29 CONNECTED PART ϕ16 O.D

Unit: mm

MSZ-HR25VF MSZ-HR35VF MSZ-HR42VF MSZ-HR50VF

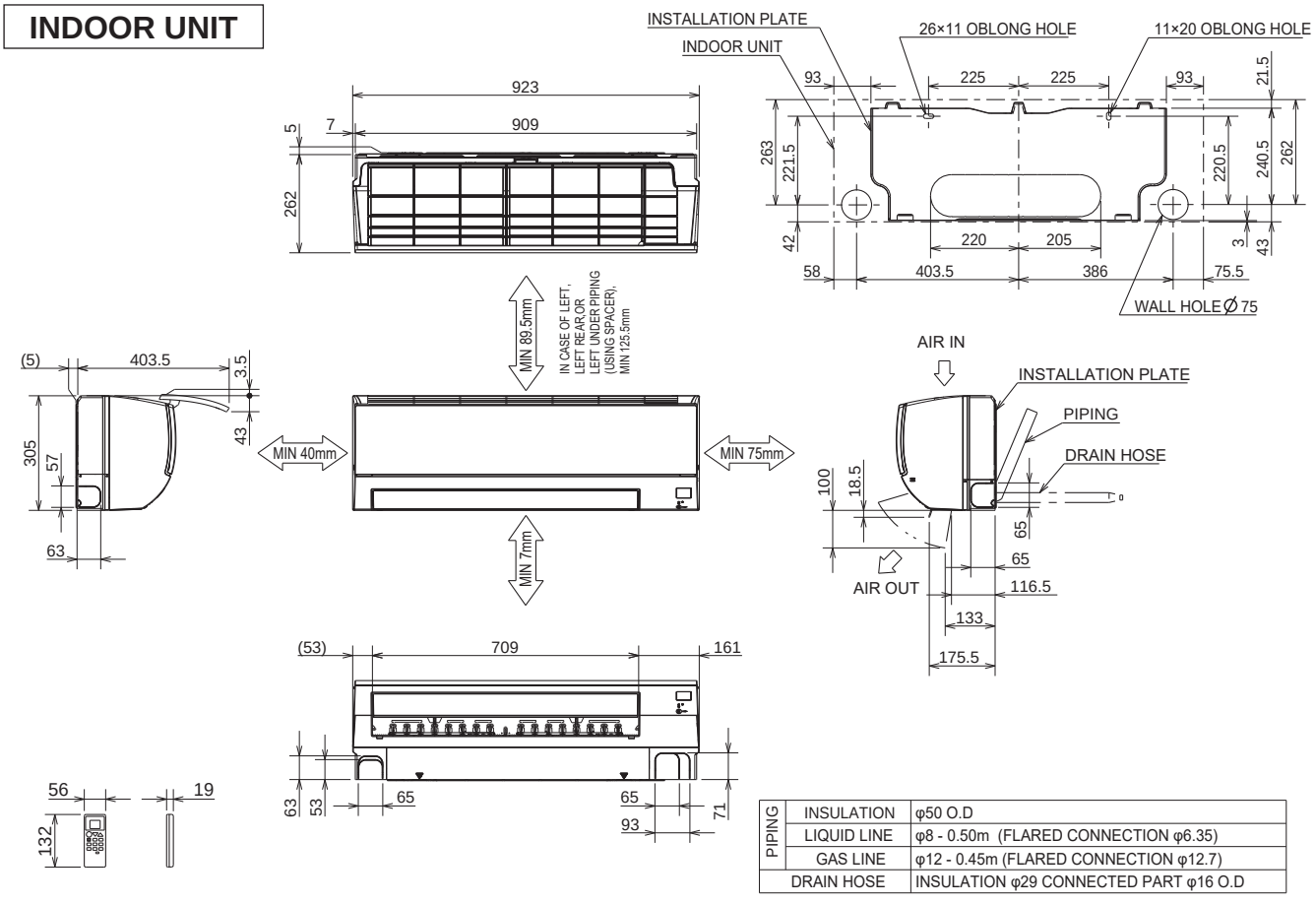
INDOOR UNIT



PIPING		
	INSULATION	φ37 O.D
	LIQUID LINE	φ6.35 - 0.39m (FLARED CONNECTION φ6.35)
	GAS LINE	φ9.52 - 0.34m (FLARED CONNECTION φ9.52)
DRAIN HOSE		INSULATION φ28 CONNECTED PART φ16 O.D
REMOCON		T01

MSZ-HR60VF MSZ-HR71VF

INDOOR UNIT

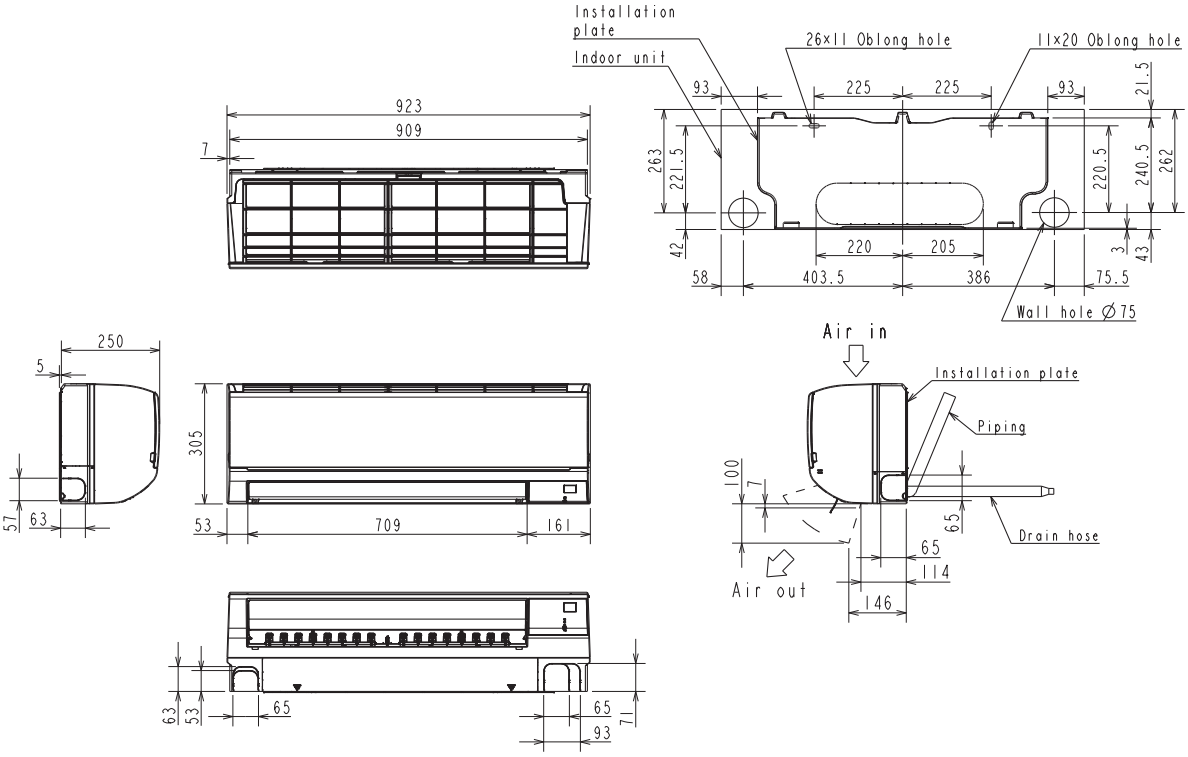


PIPING		
	INSULATION	φ50 O.D
	LIQUID LINE	φ8 - 0.50m (FLARED CONNECTION φ6.35)
	GAS LINE	φ12 - 0.45m (FLARED CONNECTION φ12.7)
DRAIN HOSE		INSULATION φ29 CONNECTED PART φ16 O.D

Unit: mm

MSY-TP35VF MSY-TP50VF

INDOOR UNIT

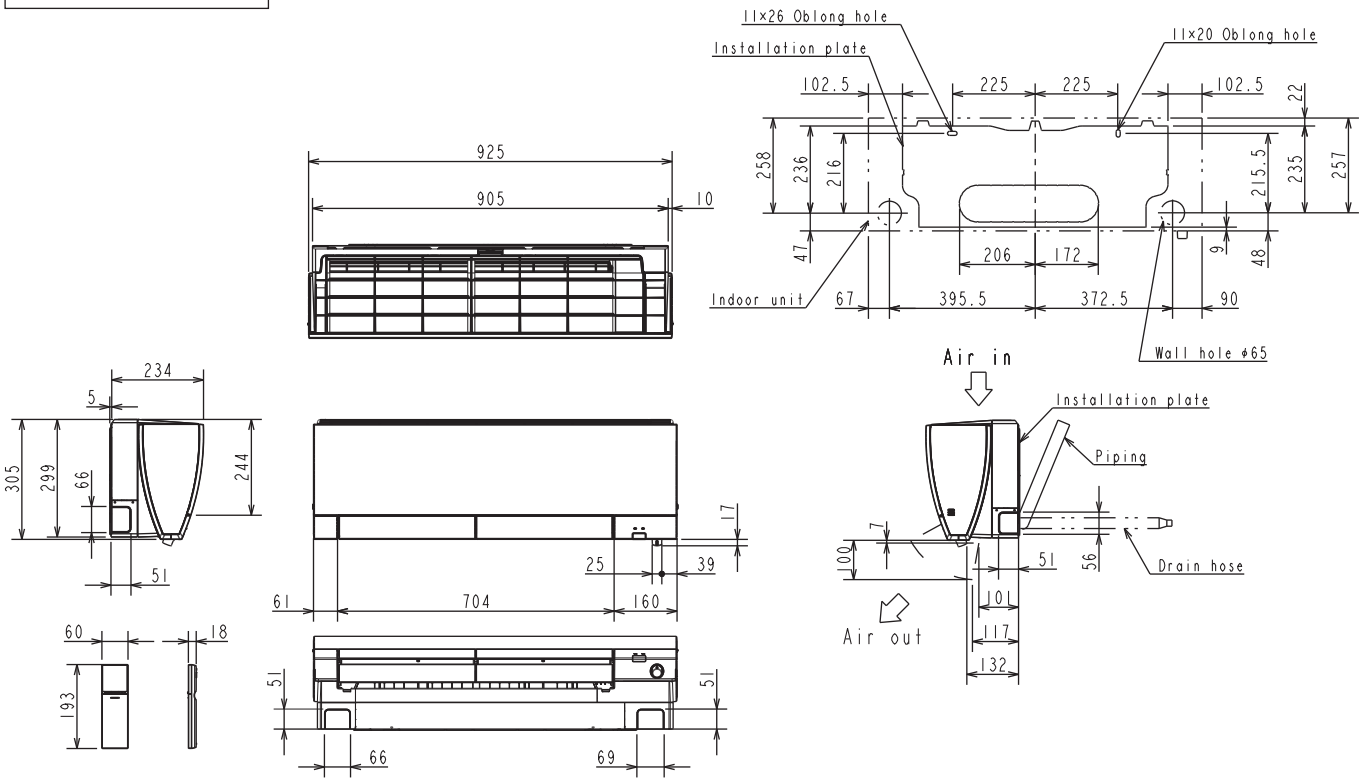


Piping	Insulation	Ø50 O.D
	Liquid line	Ø8 - 0.5m (Flared connection Ø6.35)
	Gas line	Ø12 - 0.45m (Flared connection Ø9.52)
Drain hose		Insulation Connected part Ø16 O.D

Unit: mm

MSZ-FH25VE2 MSZ-FH35VE2 MSZ-FH50VE2

INDOOR UNIT



MSZ-FH25VE2 MSZ-FH35VE2

Piping	Insulation	ø37 O.D
	Liquid line	ø6.35 - 0.50 m (Flared connection ø6.35)
	Gas line	ø9.52 - 0.43 m (Flared connection ø9.52)
Drain hose		Insulation ø28 O.D Connected part ø16 O.D

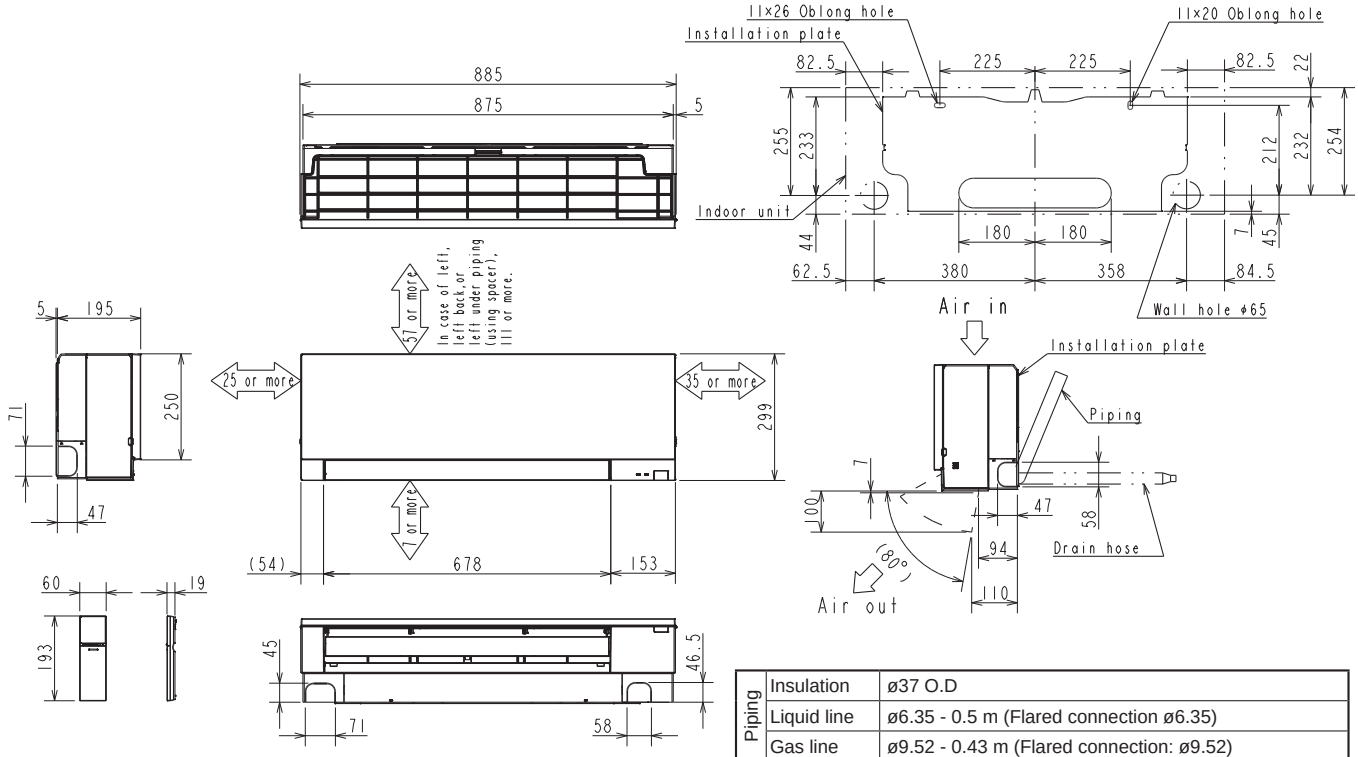
MSZ-FH50VE2

Piping	Insulation	ø37 O.D
	Liquid line	ø6.35 - 0.50 m (Flared connection ø6.35)
	Gas line	ø9.52 - 0.43 m (Flared connection ø12.7)
Drain hose		Insulation ø28 O.D Connected part ø16 O.D

Unit: mm

MSZ-EF18VGW MSZ-EF22VGW MSZ-EF25VGW MSZ-EF35VGW MSZ-EF42VGW MSZ-EF50VGW
MSZ-EF18VGB MSZ-EF22VGB MSZ-EF25VGB MSZ-EF35VGB MSZ-EF42VGB MSZ-EF50VGB
MSZ-EF18VGS MSZ-EF22VGS MSZ-EF25VGS MSZ-EF35VGS MSZ-EF42VGS MSZ-EF50VGS
MSZ-EF18VGKW MSZ-EF22VGKW MSZ-EF25VGKW MSZ-EF35VGKW MSZ-EF42VGKW MSZ-EF50VGKW
MSZ-EF18VGKB MSZ-EF22VGKB MSZ-EF25VGKB MSZ-EF35VGKB MSZ-EF42VGKB MSZ-EF50VGKB
MSZ-EF18VGKS MSZ-EF22VGKS MSZ-EF25VGKS MSZ-EF35VGKS MSZ-EF42VGKS MSZ-EF50VGKS

INDOOR UNIT

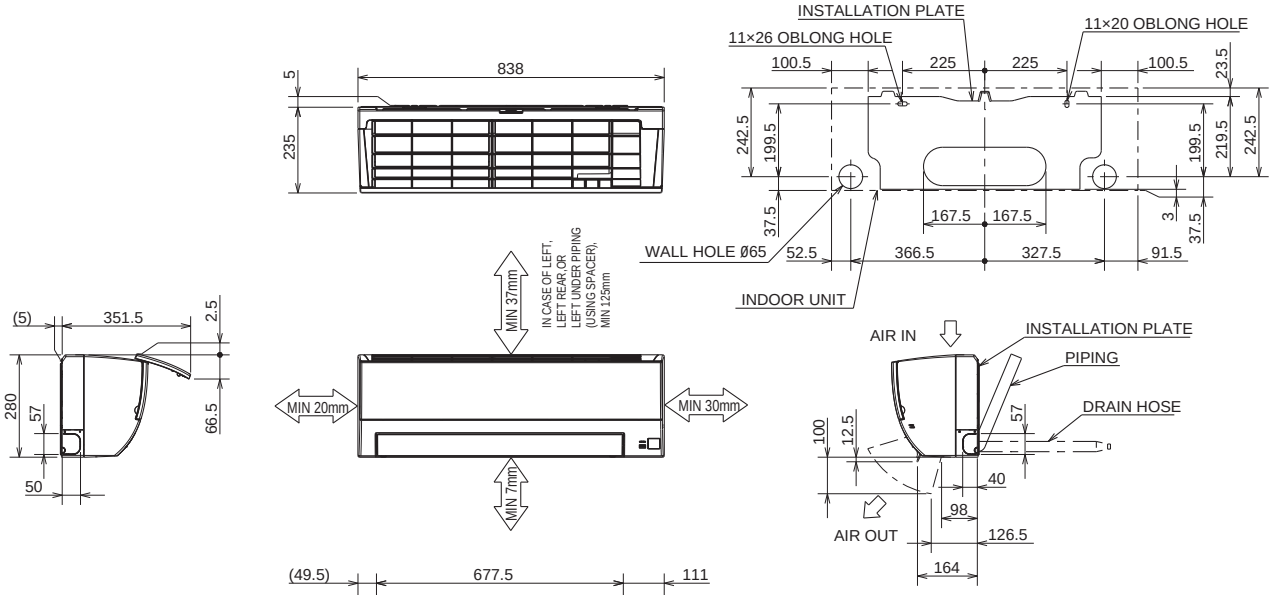


Piping	Insulation	ø37 O.D
	Liquid line	ø6.35 - 0.5 m (Flared connection ø6.35)
	Gas line	ø9.52 - 0.43 m (Flared connection: ø9.52)
Drain hose		Insulation ø29 O.D Connected part ø16 O.D

Unit: mm

MSZ-BT20VG MSZ-BT25VG MSZ-BT35VG MSZ-BT50VG
MSZ-BT20VGK MSZ-BT25VGK MSZ-BT35VGK MSZ-BT50VGK

INDOOR UNIT



MSZ-BT20/25/35VG, MSZ-BT20/25/35VGK

PIPING	INSULATION	ø37 O.D
	LIQUID LINE	ø6.35 - 0.39m (FLARED CONNECTION ø6.35)
	GAS LINE	ø9.52 - 0.34m (FLARED CONNECTION ø9.52)
DRAIN HOSE		INSULATION ø29 CONNECTED PART ø16 O.D

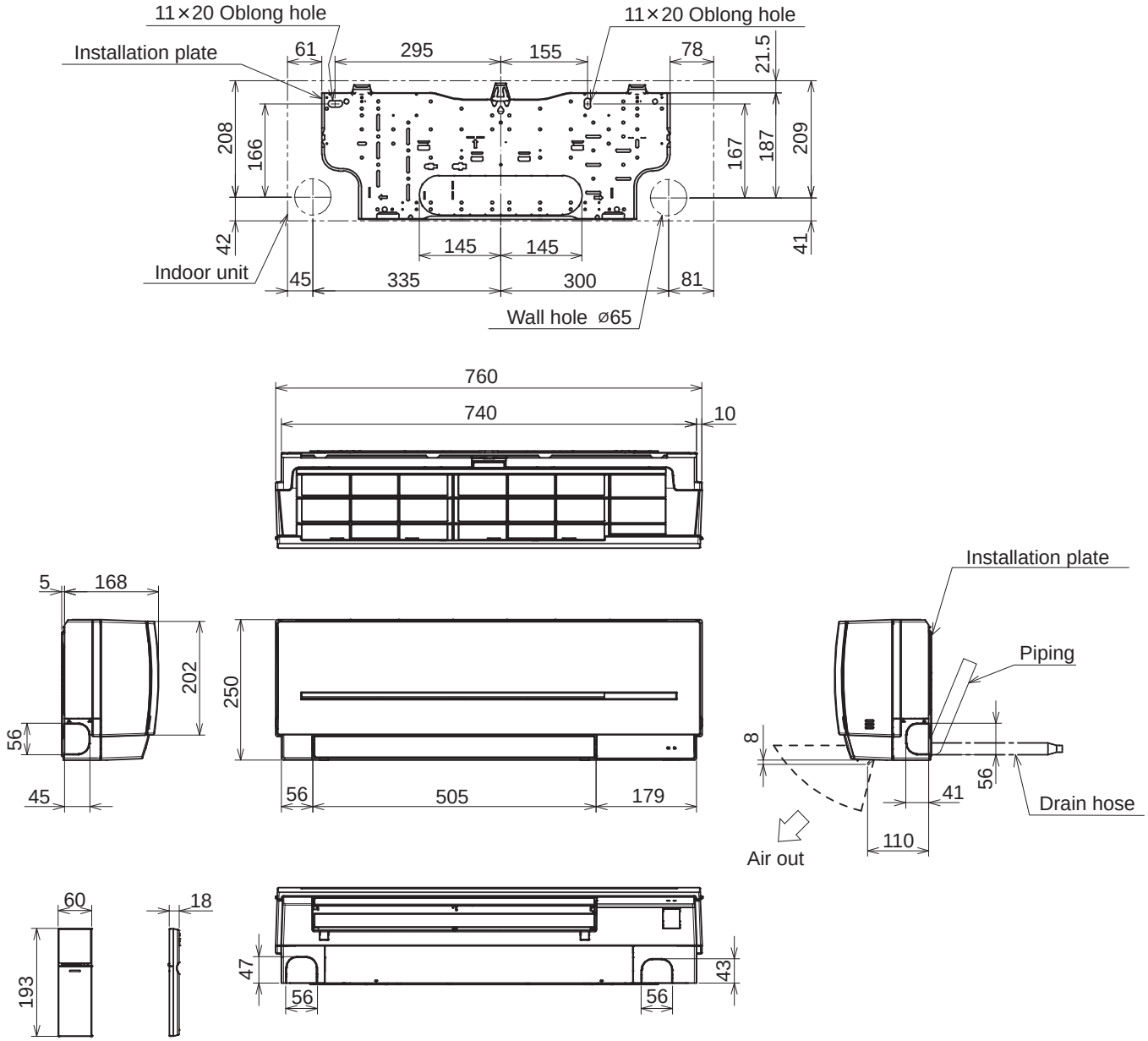
MSZ-BT50VG, MSZ-BT50VGK

PIPING	INSULATION	ø37 O.D
	LIQUID LINE	ø6.35 - 0.39m (FLARED CONNECTION ø6.35)
	GAS LINE	ø9.52 - 0.34m (FLARED CONNECTION ø12.7)
DRAIN HOSE		INSULATION ø29 CONNECTED PART ø16 O.D

Unit: mm

MSZ-SF15VA MSZ-SF20VA

INDOOR UNIT

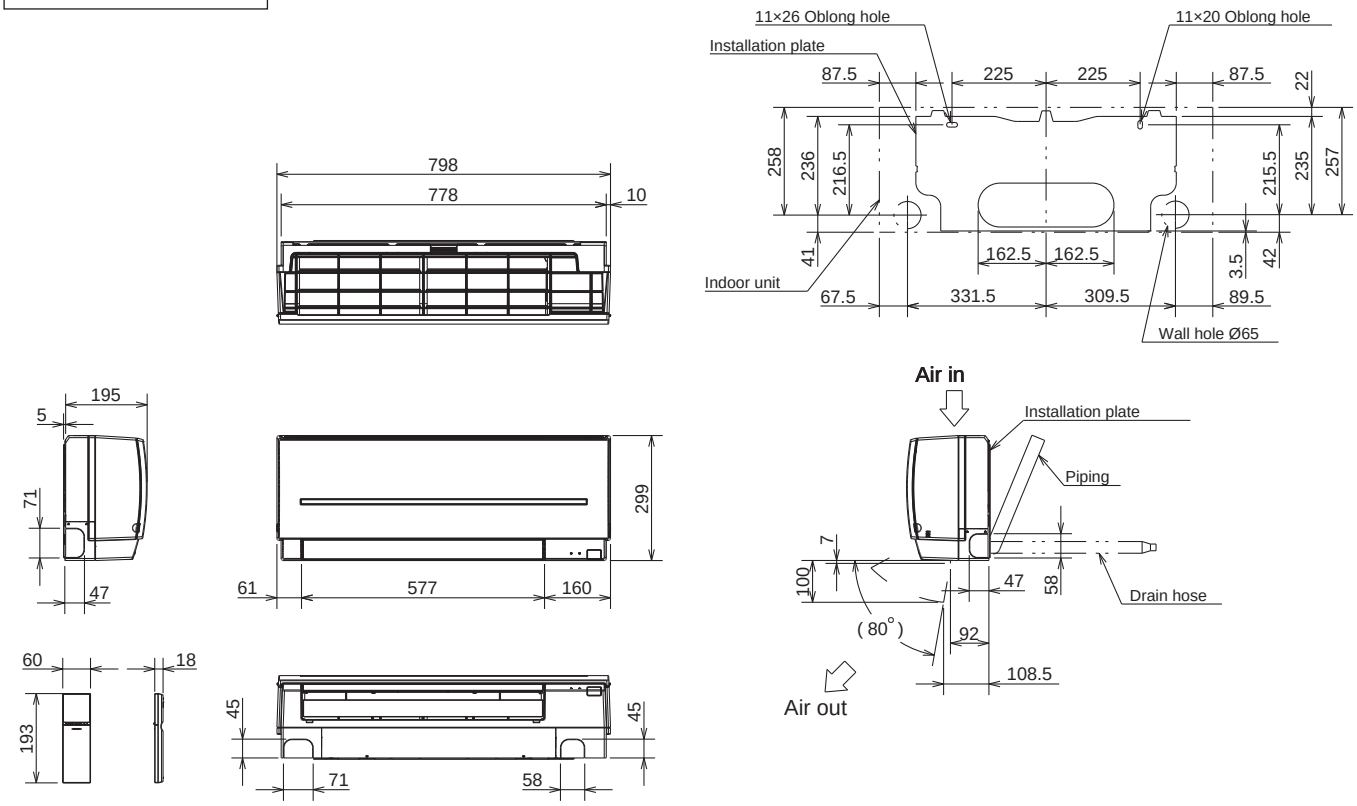


Piping	Insulation	ø35 O.D
	Liquid line	ø6.35-0.39m (Flared connection ø6.35)
	Gas line	ø9.52-0.34m (Flared connection ø9.52)
Drain hose		Insulation ø28 Connected part ø16 O.D

Unit: mm

MSZ-SF25VE3 MSZ-SF35VE3 MSZ-SF42VE3 MSZ-SF50VE3

INDOOR UNIT



(MSZ-SF25/35/42/50VE3- E1)

Piping	Insulation	Ø37 O.D
	Liquid line	Ø6.35 - 0.39m (Flared connection Ø6.35)
	Gas line	Ø9.52 - 0.34m [Flared connection Ø9.52 (**MSZ-SF25/35/42VE(2/3)**), Ø12.7 (**MSZ-SF50VE(2/3)**)]
Drain hose		Insulation Ø29 Connected part Ø16 O.D

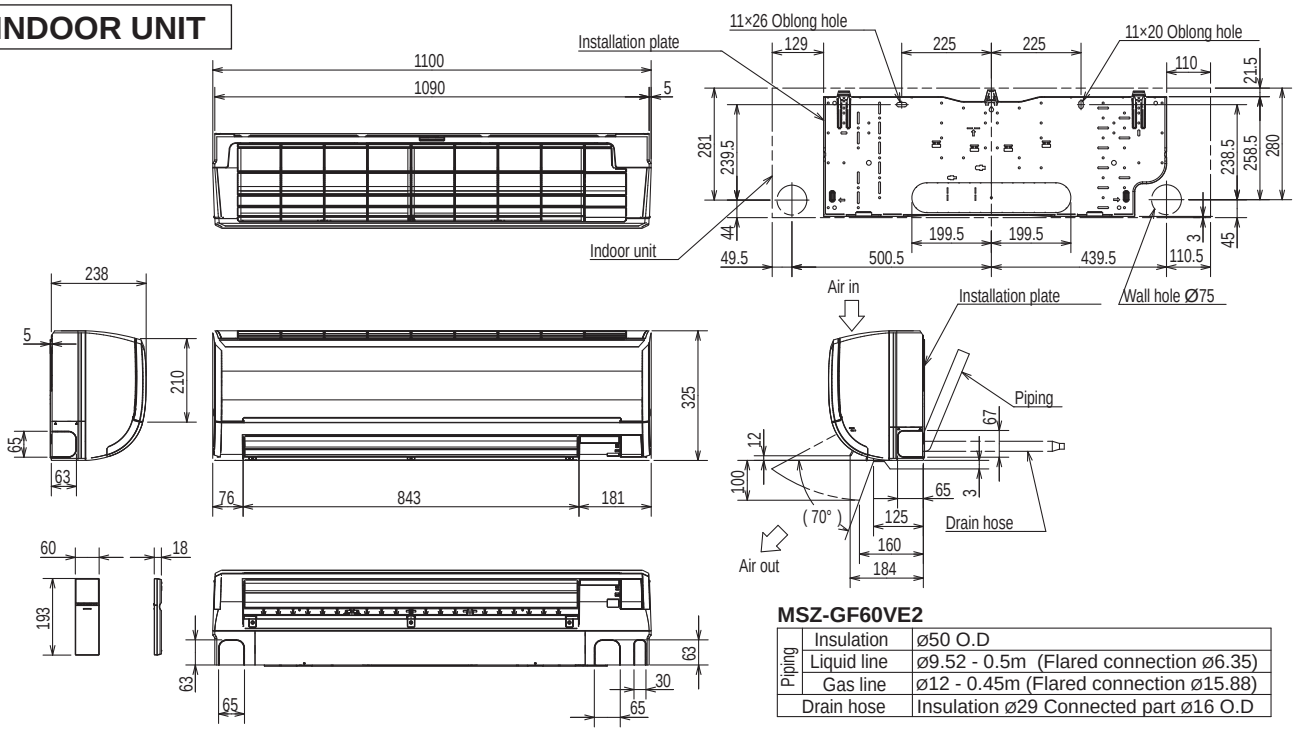
(MSZ-SF25/35/42/50VE3- EN1)

Piping	Insulation	Ø37 O.D
	Liquid line	Ø6.35 - 0.5m (Flared connection Ø6.35)
	Gas line	Ø9.52 - 0.43m [Flared connection Ø9.52 (**MSZ-SF25/35/42VE(2/3)**), Ø12.7 (**MSZ-SF50VE(2/3)**)]
Drain hose		Insulation Ø29 Connected part Ø16 O.D

Unit: mm

MSZ-GF60VE2 MSZ-GF71VE2

INDOOR UNIT



MSZ-GF60VE2

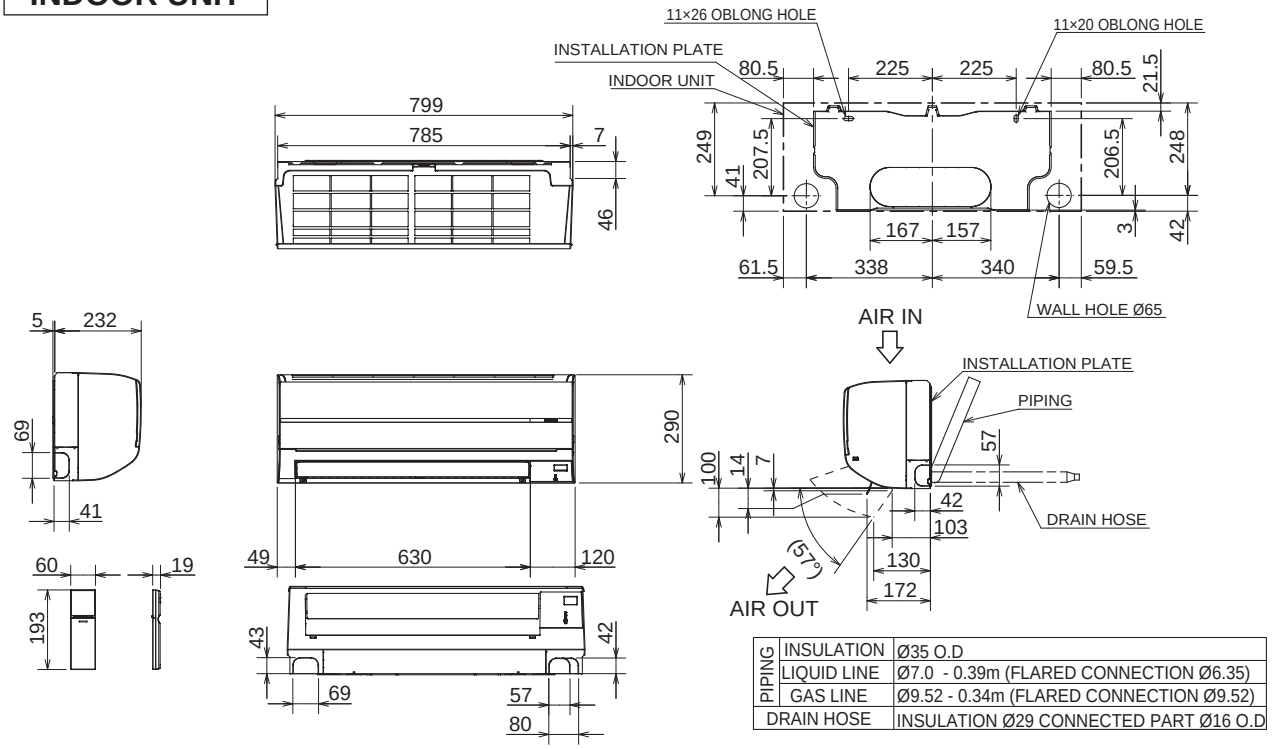
Piping	Insulation	ø50 O.D
	Liquid line	ø9.52 - 0.5m (Flared connection ø6.35)
	Gas line	ø12 - 0.45m (Flared connection ø15.88)
Drain hose		Insulation ø29 Connected part ø16 O.D

MSZ-GF71VE2

Piping	Insulation	ø50 O.D
	Liquid line	ø9.52 - 0.5m (Flared connection ø9.52)
	Gas line	A1 - 0.45m (Flared connection ø15.88)
Drain hose		Insulation ø29 Connected part ø16 O.D

MSZ-WN25VA MSZ-WN35VA

INDOOR UNIT

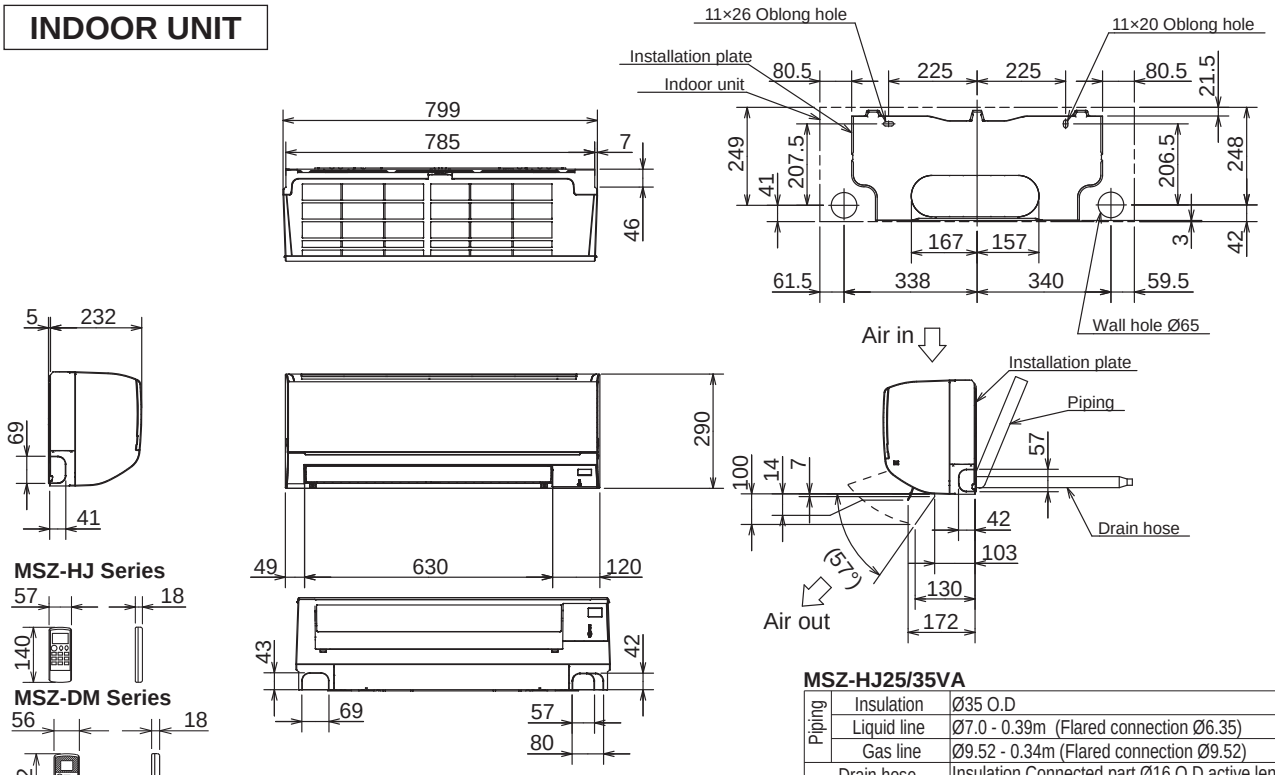


PIPING	INSULATION	Ø35 O.D
	LIQUID LINE	Ø7.0 - 0.39m (FLARED CONNECTION Ø6.35)
	GAS LINE	Ø9.52 - 0.34m (FLARED CONNECTION Ø9.52)
DRAIN HOSE		INSULATION Ø29 CONNECTED PART Ø16 O.D

Unit: mm

MSZ-DM25VA MSZ-DM35VA
MSZ-HJ25VA MSZ-HJ35VA MSZ-HJ50VA

INDOOR UNIT



MSZ-HJ25/35VA

Piping	Insulation	Ø35 O.D
	Liquid line	Ø7.0 - 0.39m (Flared connection Ø6.35)
	Gas line	Ø9.52 - 0.34m (Flared connection Ø9.52)
Drain hose		Insulation Connected part Ø16 O.D active length 370

MSZ-DM25/35VA

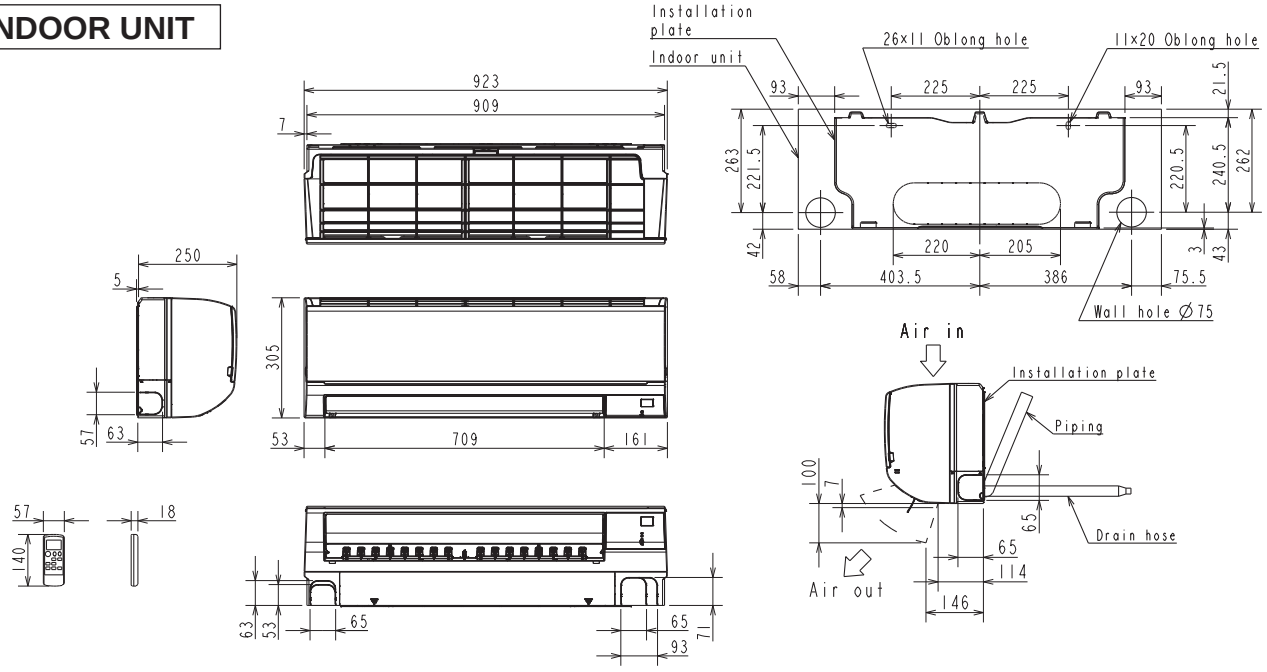
Piping	Insulation	Ø35 O.D
	Liquid line	Ø7.0 - 0.39m (Flared connection Ø6.35)
	Gas line	Ø9.52 - 0.34m (Flared connection Ø9.52)
Drain hose		Insulation Ø29 Connected part Ø16 O.D

MSZ-HJ50VA

Piping	Insulation	Ø37 O.D
	Liquid line	Ø7.0 - 0.39m (Flared connection Ø6.35)
	Gas line	Ø9.52 - 0.34m (Flared connection Ø12.7)
Drain hose		InsulationØ29 Connected part Ø16 O.D active length 370

MSZ-HJ60VA MSZ-HJ71VA

INDOOR UNIT



MSZ-HJ60VA

Piping	Insulation	Ø50 O.D
	Liquid line	Ø8 - 0.39m (Flared connection Ø6.35)
	Gas line	Ø12 - 0.34m (Flared connection Ø15.88)
Drain hose		Insulation Connected part Ø16 O.D

MSZ-HJ71VA

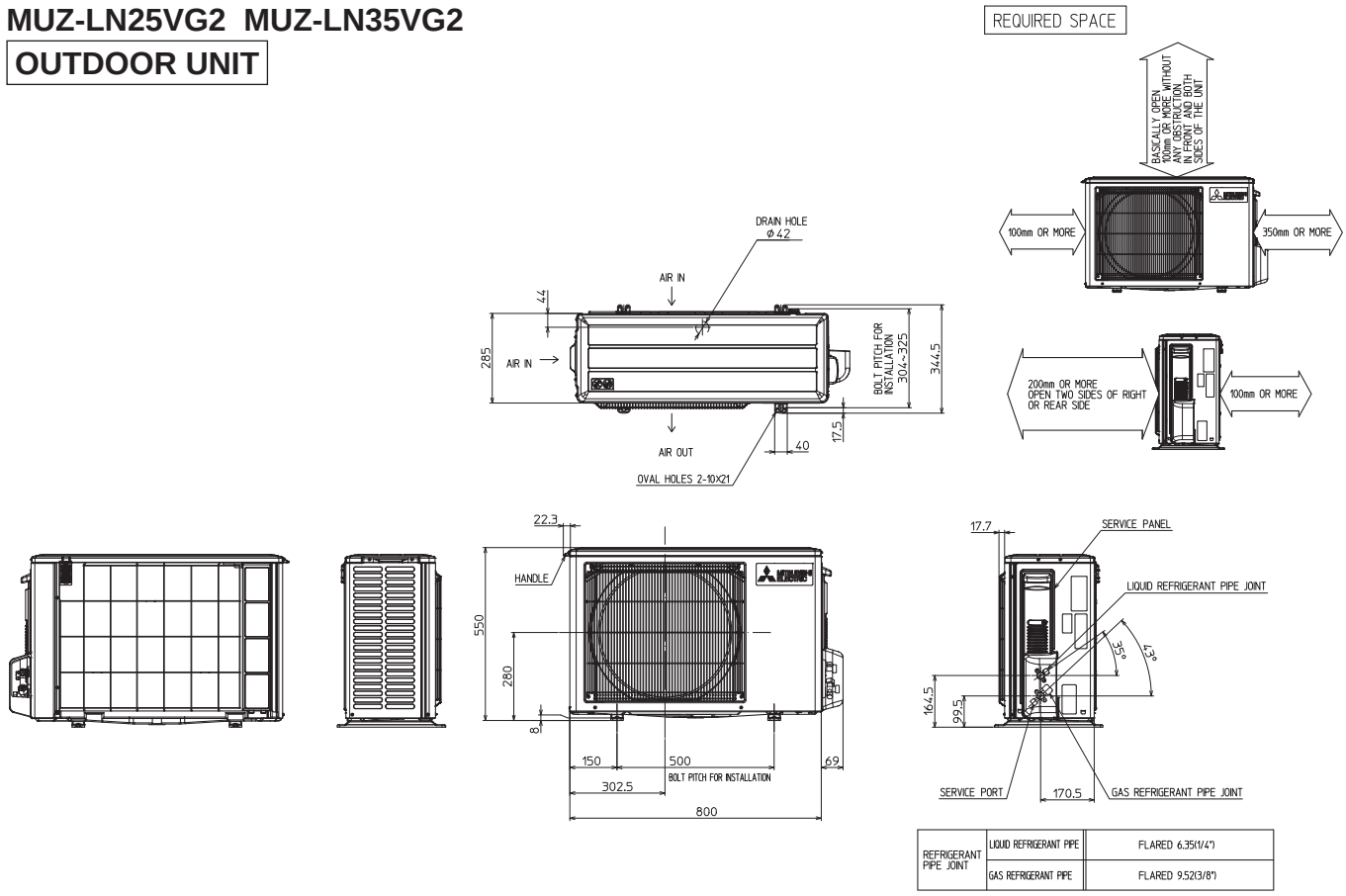
Piping	Insulation	Ø50 O.D
	Liquid line	Ø8 - 0.39m (Flared connection Ø9.52)
	Gas line	Ø12 - 0.34m (Flared connection Ø15.88)
Drain hose		Insulation Connected part Ø16 O.D

C.1.2.2 Outdoor Unit

Unit: mm

MUZ-LN25VG2 MUZ-LN35VG2

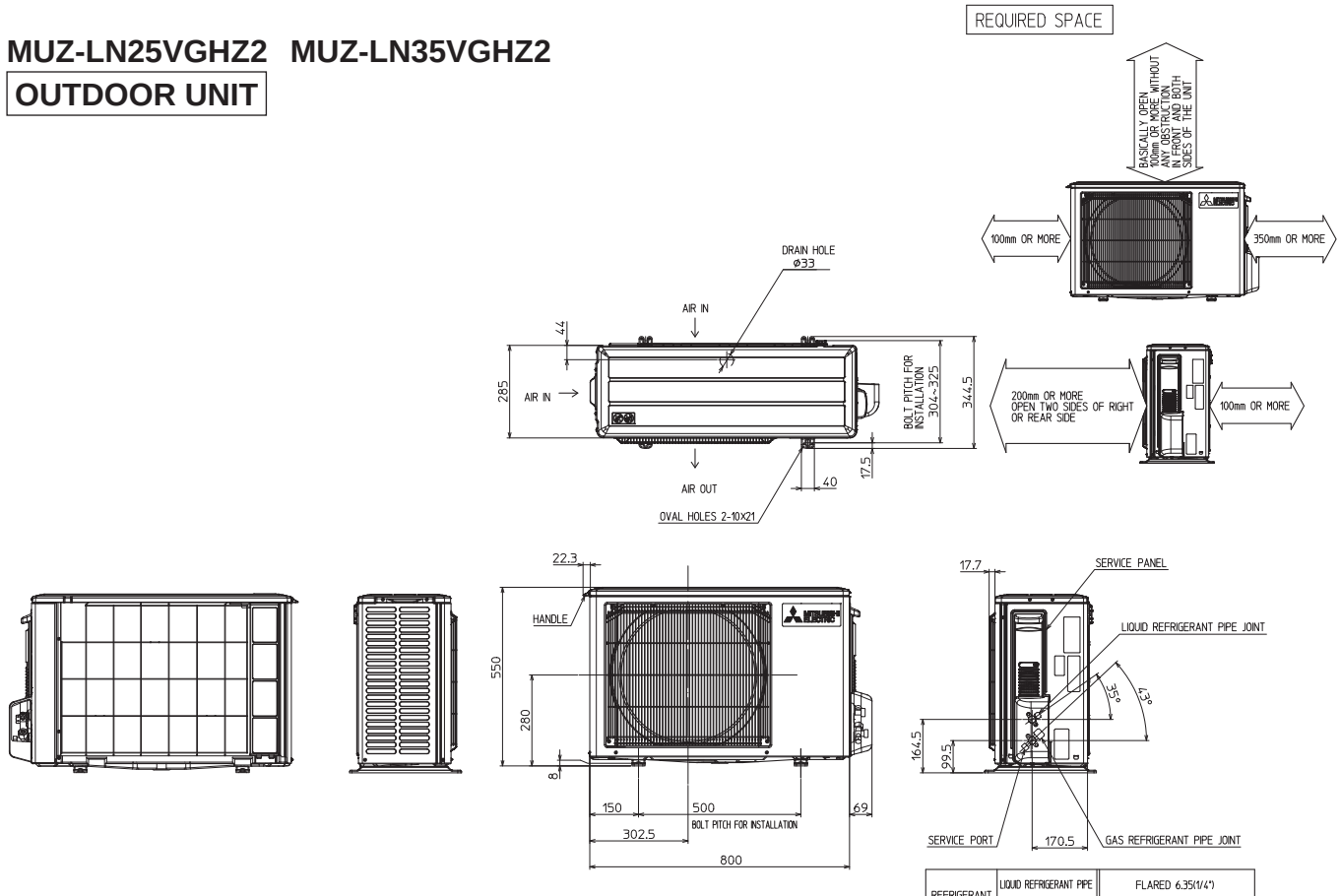
OUTDOOR UNIT



REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED 6.35(1/4")
	GAS REFRIGERANT PIPE	FLARED 9.52(3/8")

MUZ-LN25VGHZ2 MUZ-LN35VGHZ2

OUTDOOR UNIT

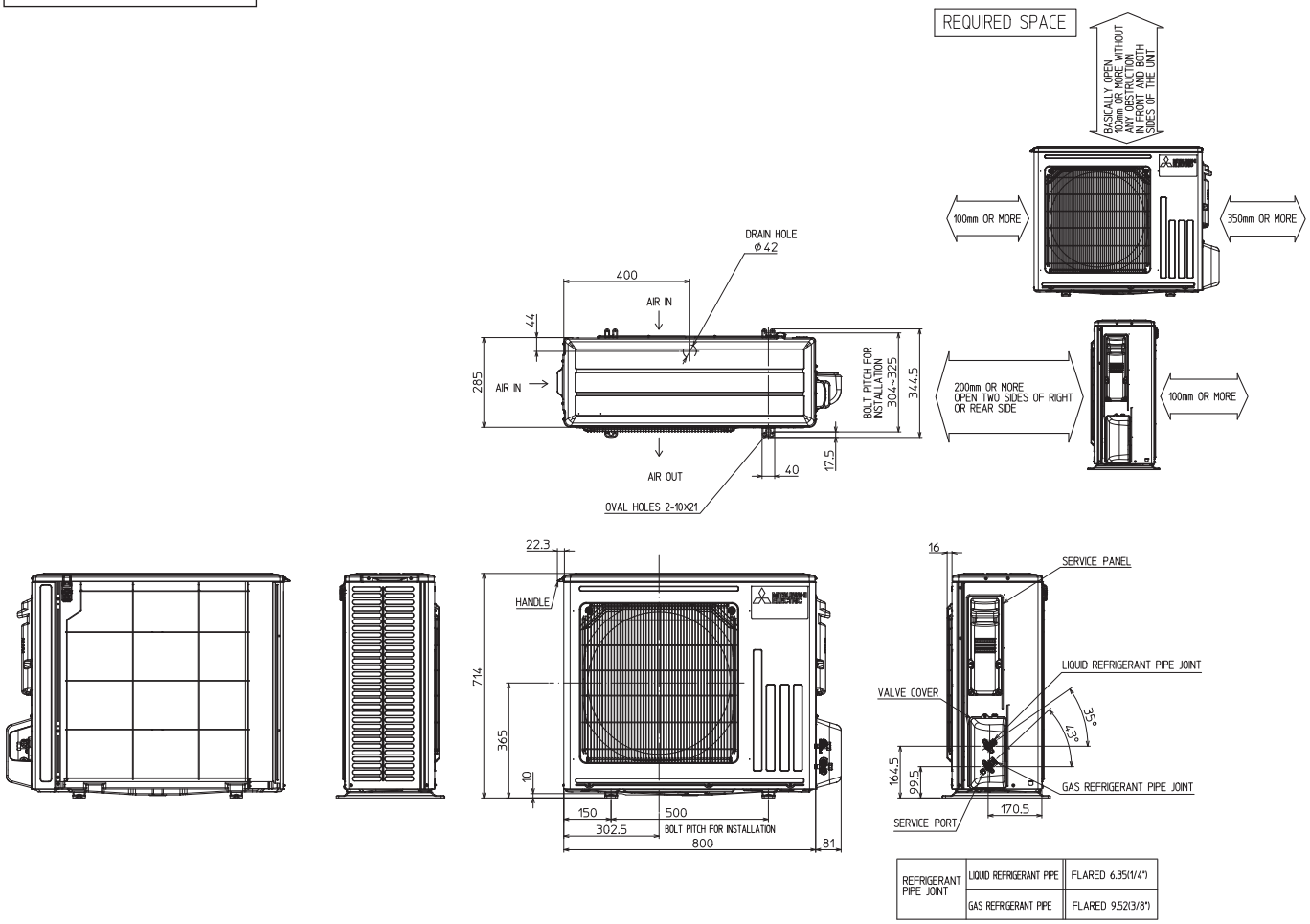


REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED 6.35(1/4")
	GAS REFRIGERANT PIPE	FLARED 9.52(3/8")

Unit: mm

MUZ-LN50VG2

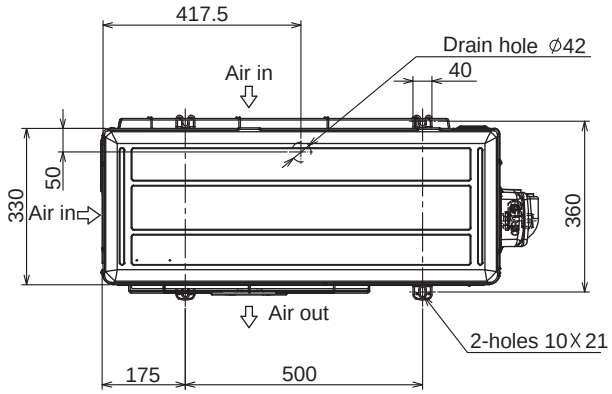
OUTDOOR UNIT

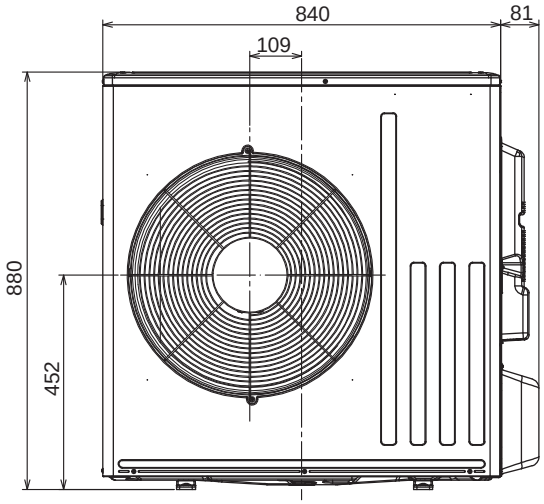


REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED 6.35(1/4")
	GAS REFRIGERANT PIPE	FLARED 9.52(3/8")

Unit: mm

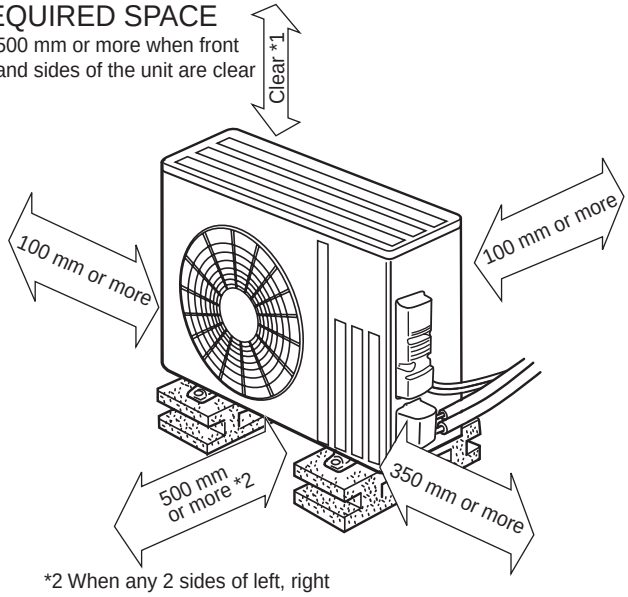
MUZ-LN50VGHZ
OUTDOOR UNIT



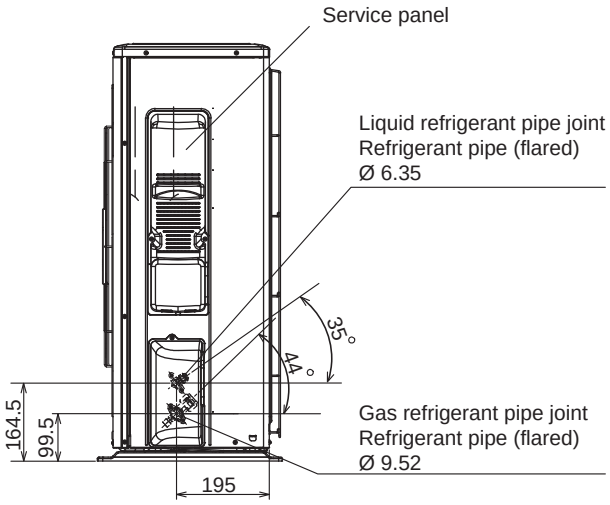


REQUIRED SPACE

*1 500 mm or more when front and sides of the unit are clear



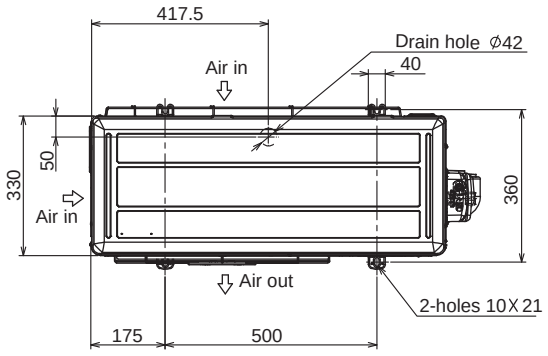
*2 When any 2 sides of left, right and rear of the unit are clear

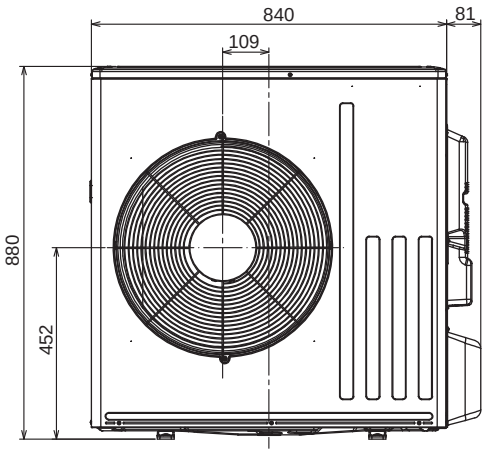


Unit: mm

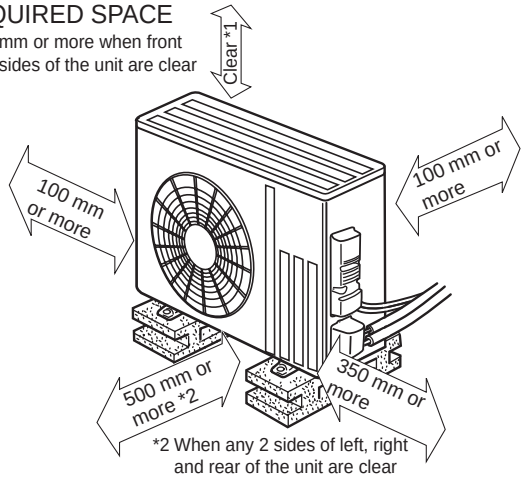
MUZ-LN60VG
MUZ-FH50VE MUZ-FH50VEHZ
MUZ-SF50VE MUZ-SF50VEH
MUZ-GF60VE MUZ-GF71VE
MUZ-HJ60VA MUZ-HJ71VA
MUZ-AP71VG

OUTDOOR UNIT

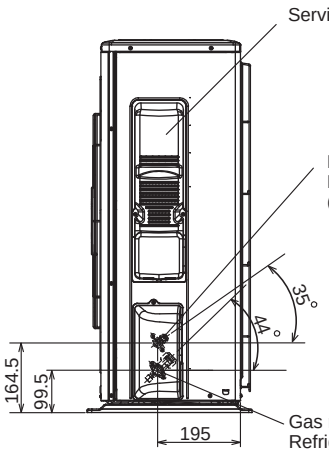




REQUIRED SPACE
*1 500 mm or more when front and sides of the unit are clear



*2 When any 2 sides of left, right and rear of the unit are clear



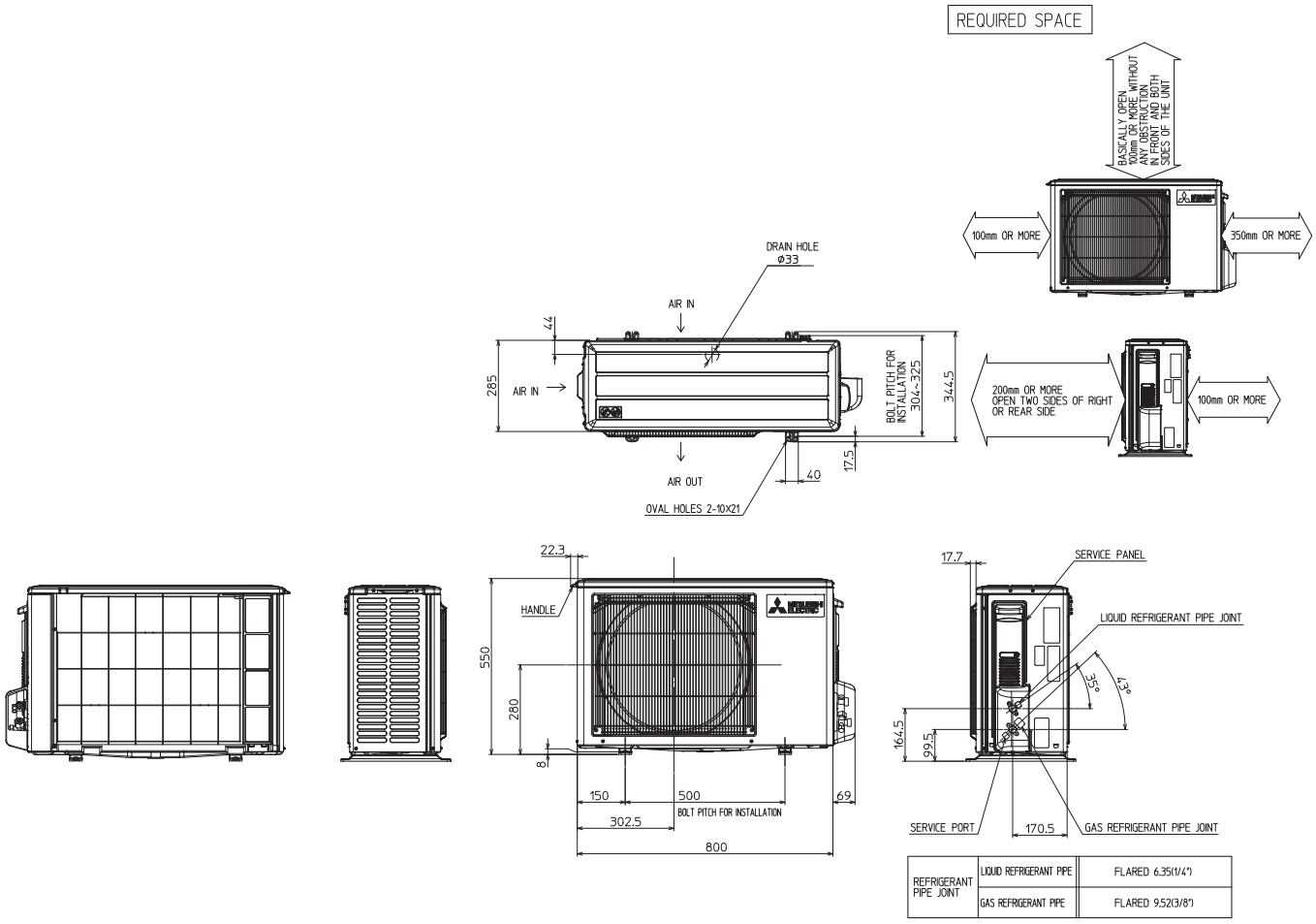
Liquid refrigerant pipe joint
Refrigerant pipe
(flared) Ø 6.35 (**MUZ-LN60VG**)
(**MUZ-FH50VE, FH50VEHZ**)
(**MUZ-SF50VE, SF50VEH**)
(**MUZ-GF60VE**)
(**MUZ-HJ60VA**)
(**MUZ-AP71VG**)
Ø 9.52 (**MUZ-GF71VE**)
(**MUZ-HJ71VA**)

Gas refrigerant pipe joint
Refrigerant pipe
(flared) Ø 12.7 (**MUZ-LN60VG**)
(**MUZ-FH50VE, FH50VEHZ**)
(**MUZ-SF50VE, SF50VEH**)
(**MUZ-AP71VG**)
Ø 15.88 (**MUZ-GF60/71VE**)
(**MUZ-HJ60/71VA**)

Unit: mm

MUZ-FT25VGHZ

OUTDOOR UNIT

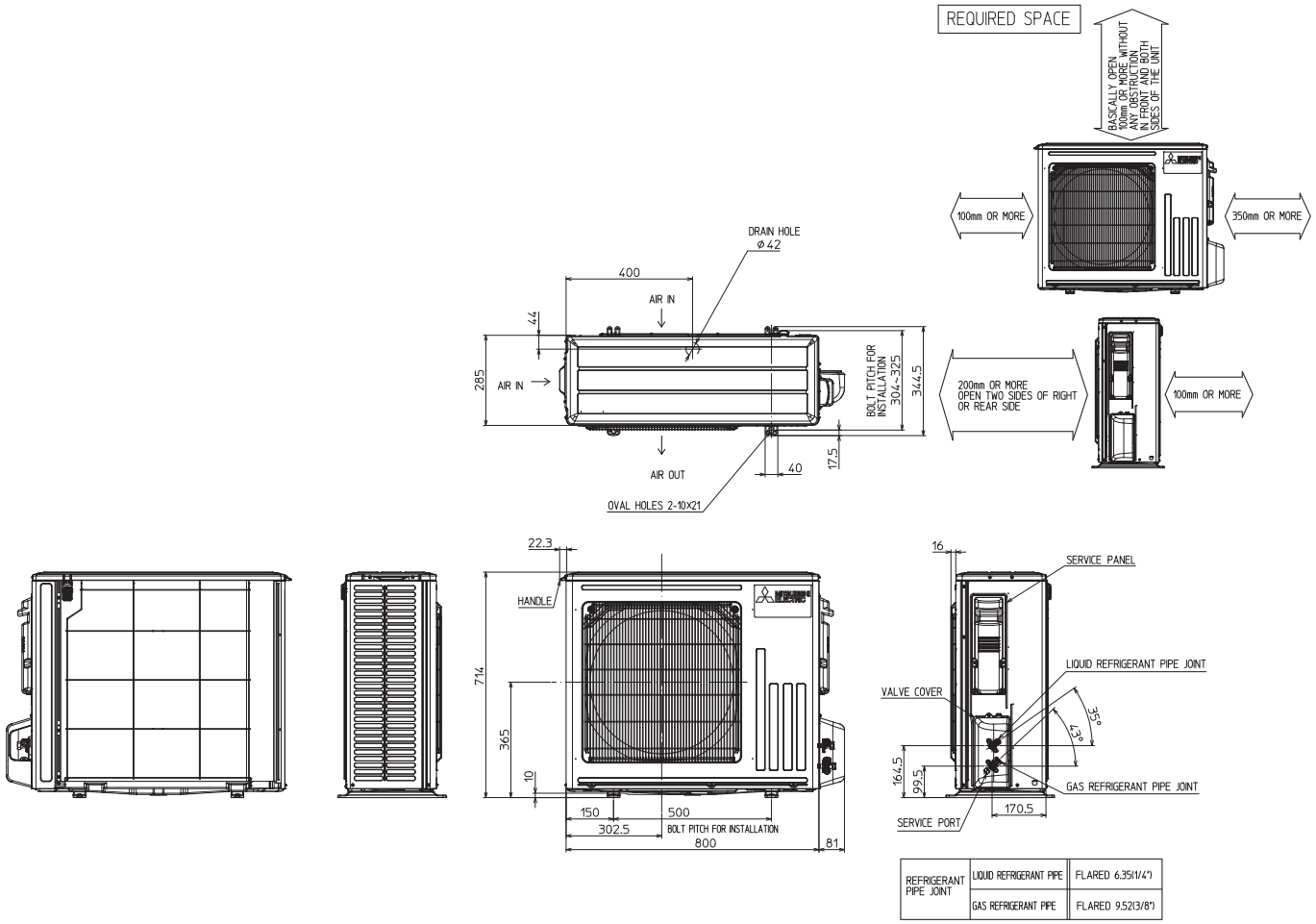


REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED 6.35(1/4")
	GAS REFRIGERANT PIPE	FLARED 9.52(3/8")

Unit: mm

MUZ-FT35VGHZ MUZ-FT50VGHZ

OUTDOOR UNIT

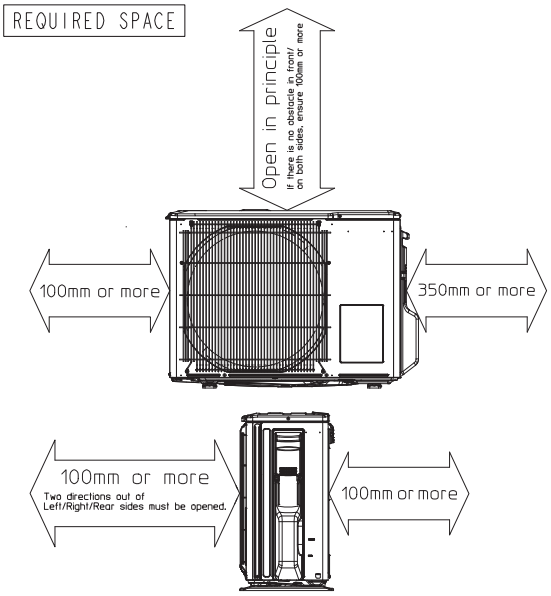


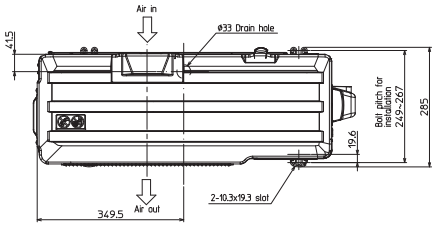
REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED 6.35(1/4")
	GAS REFRIGERANT PIPE	FLARED 9.52(3/8")

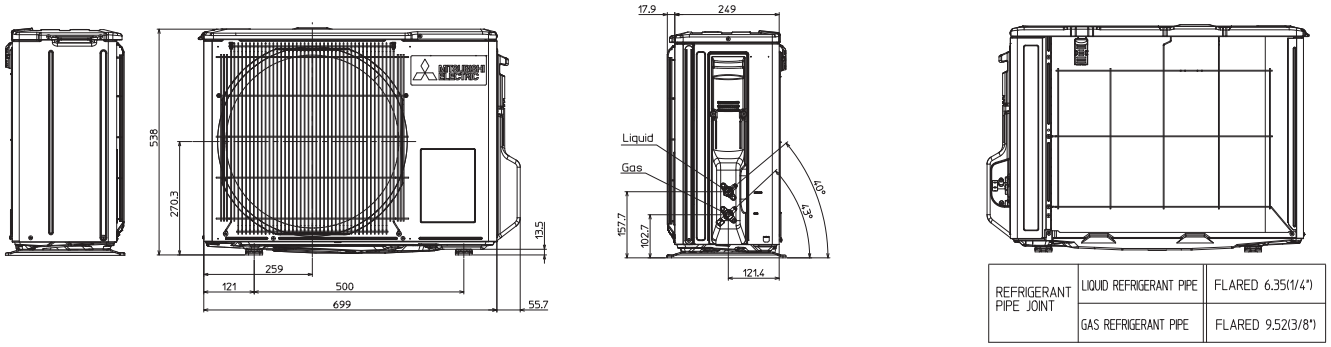
Unit: mm

MUZ-AP15VG

OUTDOOR UNIT



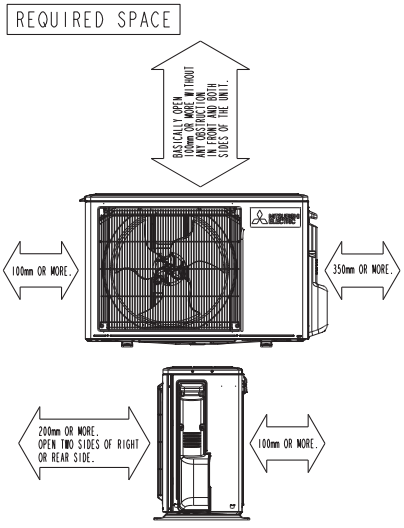


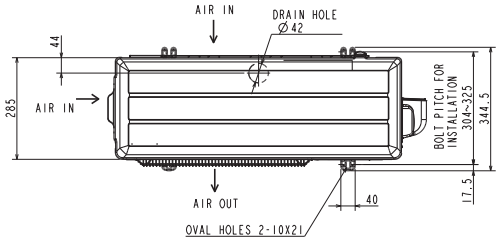


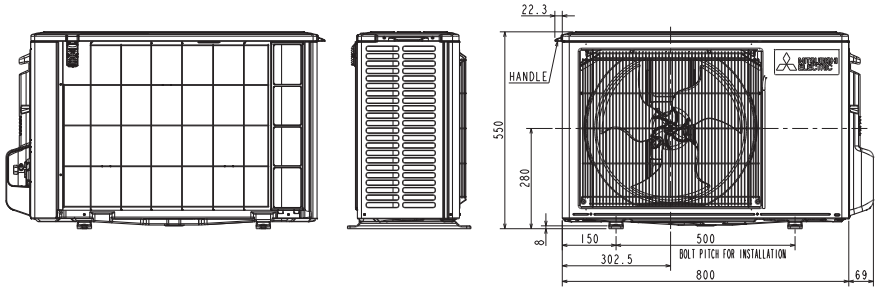
REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED 6.35(1/4")
	GAS REFRIGERANT PIPE	FLARED 9.52(3/8")

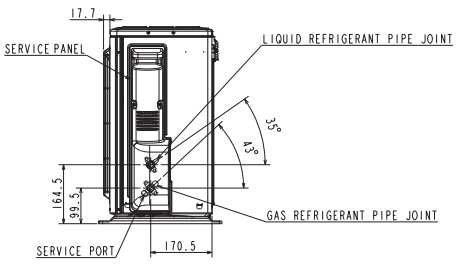
MUZ-AP20VG

OUTDOOR UNIT







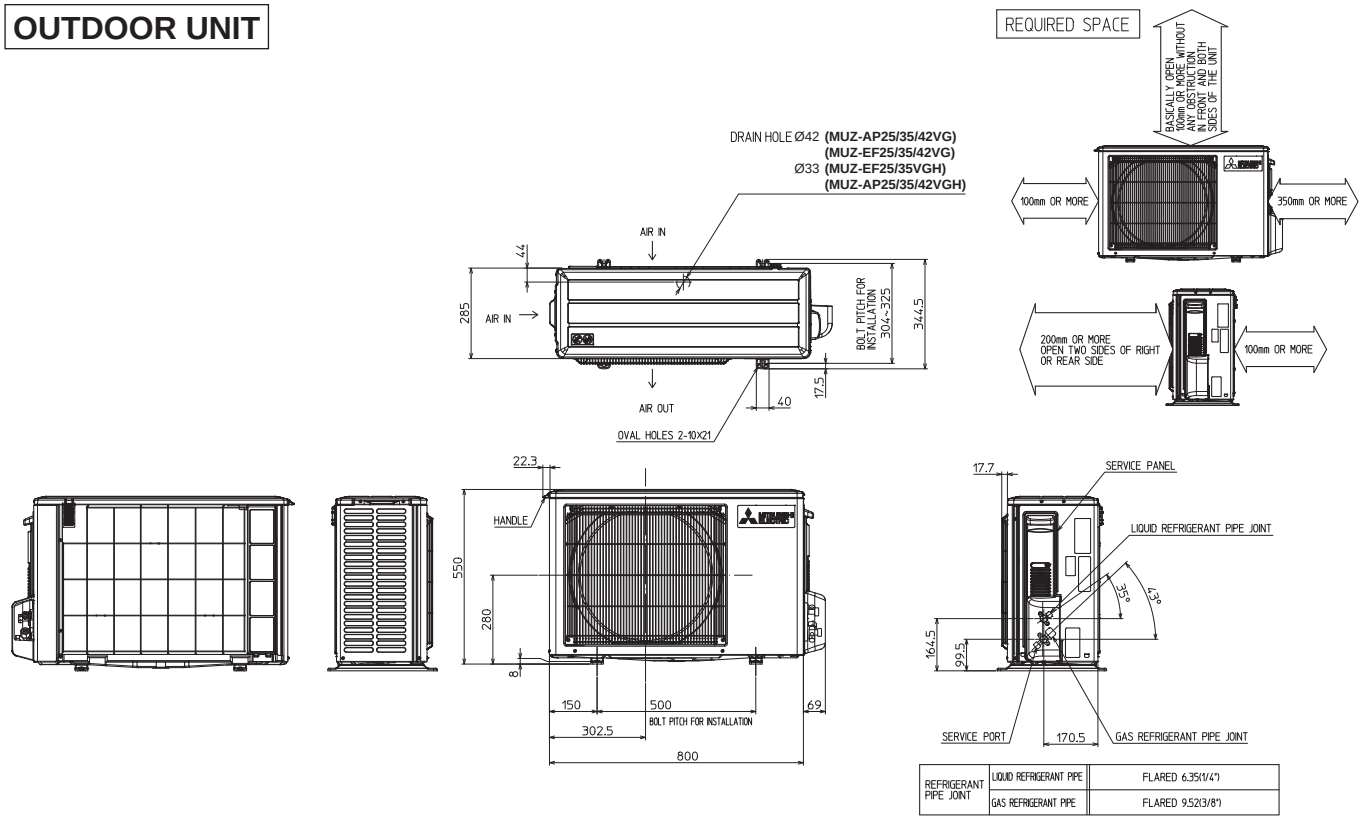


MODEL NAME		MUZ-AP20VG
REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED 6.35(1/4")
	GAS REFRIGERANT PIPE	FLARED 9.52(3/8")
DRAIN HOLE DIAMETER		ø42

Unit: mm

MUZ-AP25VG MUZ-AP35VG MUZ-AP42VG
MUZ-AP25VGH MUZ-AP35VGH MUZ-AP42VGH
MUZ-EF25VG MUZ-EF35VG MUZ-EF42VG
MUZ-EF25VGH MUZ-EF35VGH

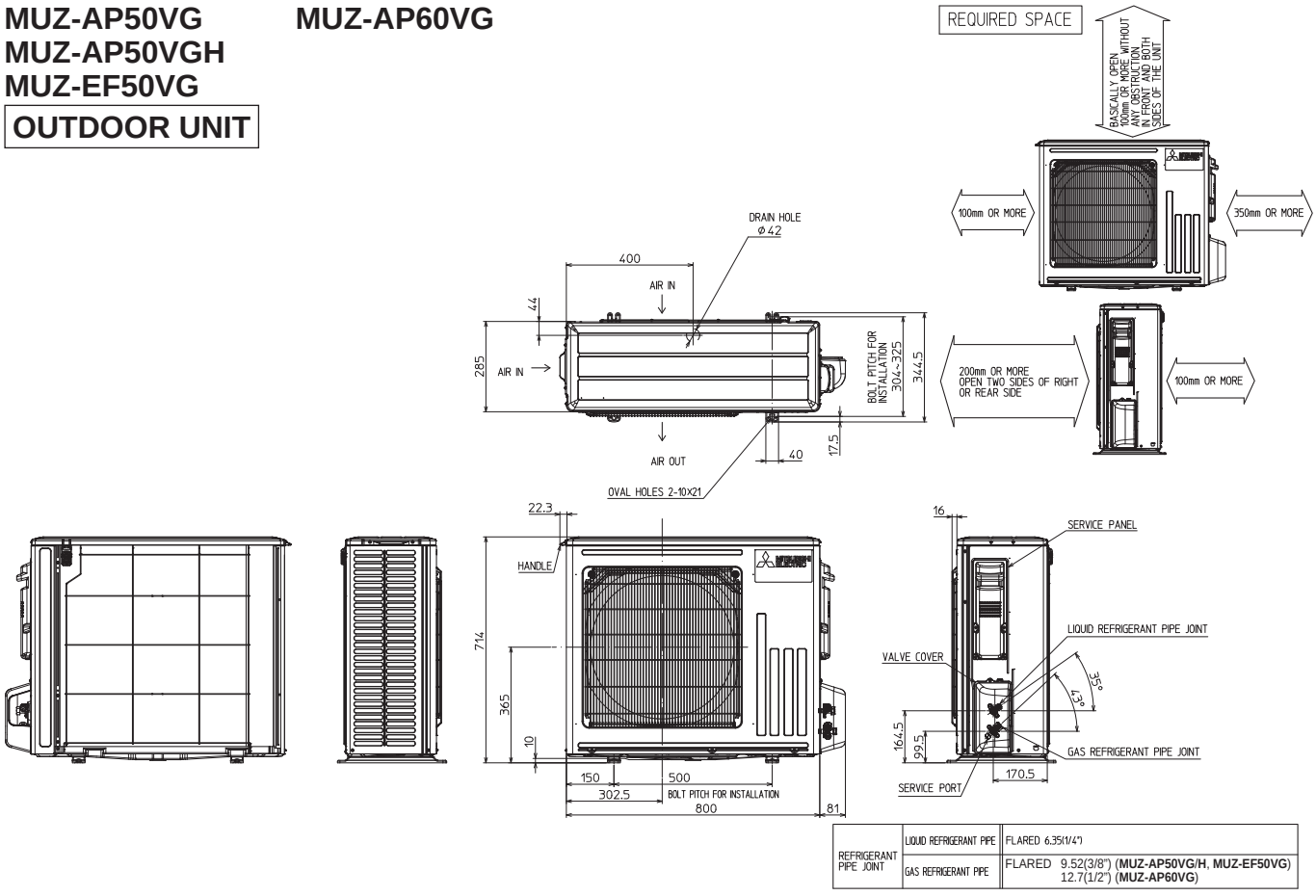
OUTDOOR UNIT



REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED 6.35(1/4")
	GAS REFRIGERANT PIPE	FLARED 9.52(3/8")

MUZ-AP50VG MUZ-AP60VG
MUZ-AP50VGH
MUZ-EF50VG

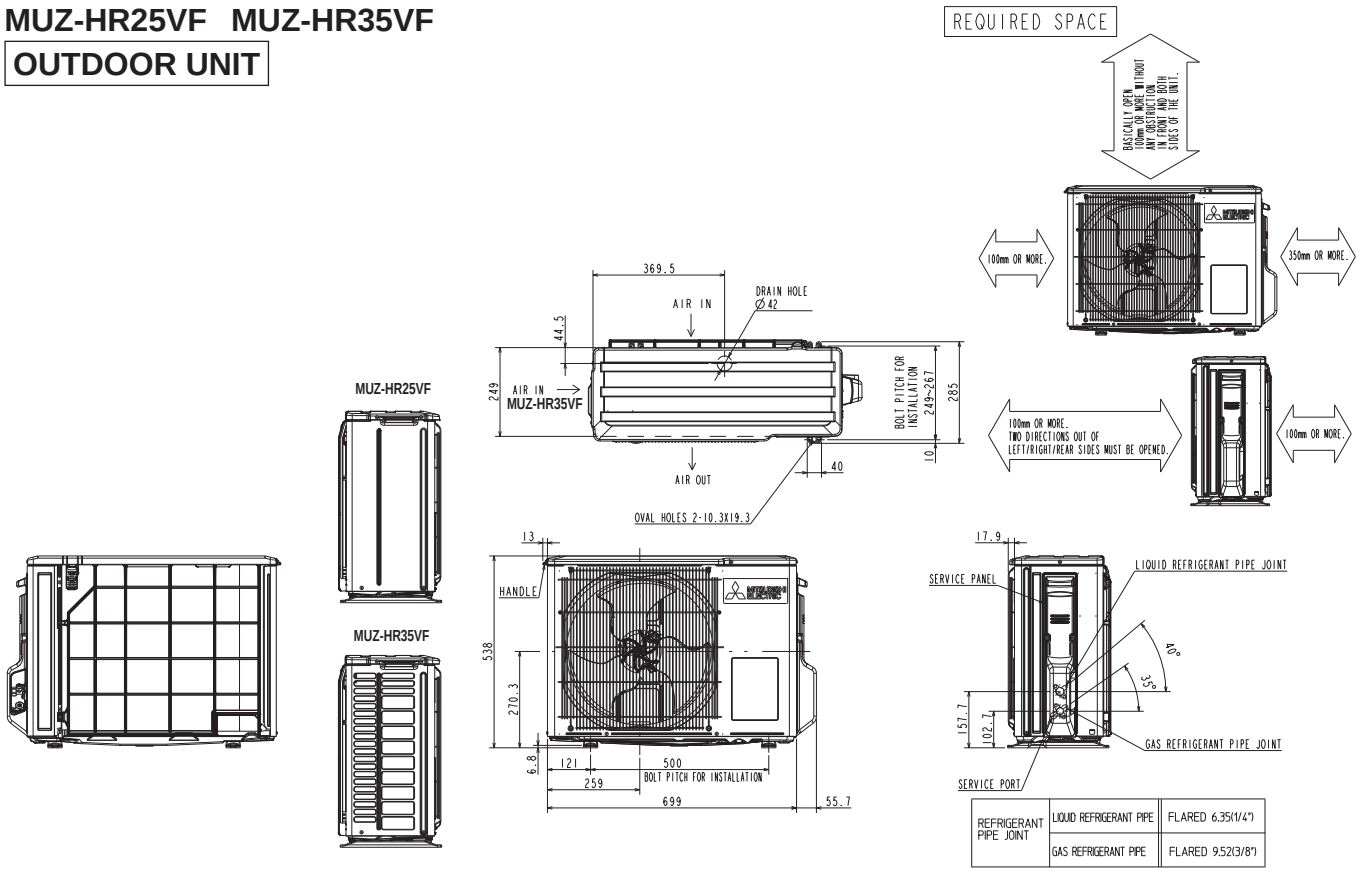
OUTDOOR UNIT



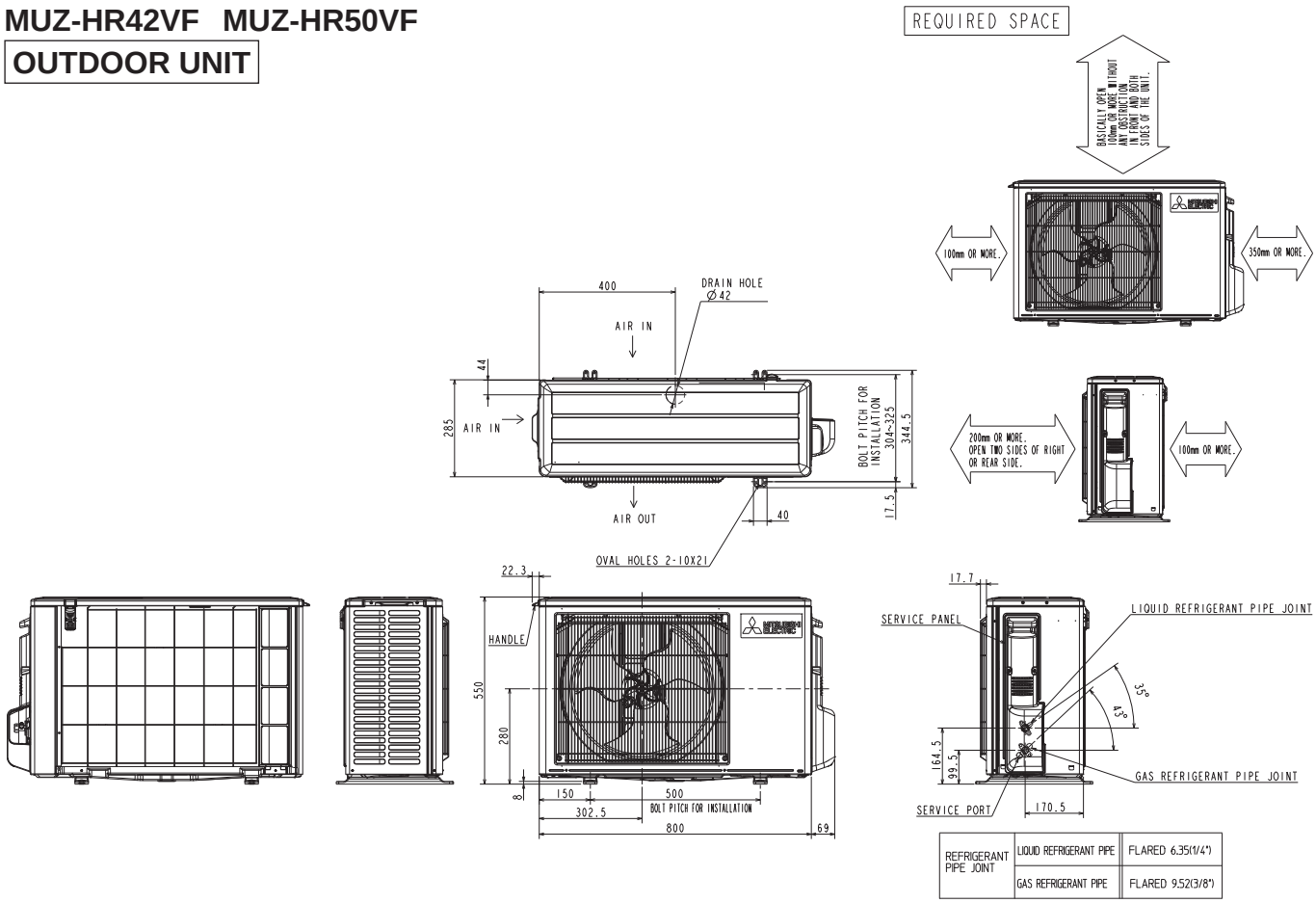
REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED 6.35(1/4")
	GAS REFRIGERANT PIPE	FLARED 9.52(3/8") (**MUZ-AP50VG/H**, **MUZ-EF50VG**) 12.7(1/2") (**MUZ-AP60VG**)

Unit: mm

MUZ-HR25VF MUZ-HR35VF
OUTDOOR UNIT

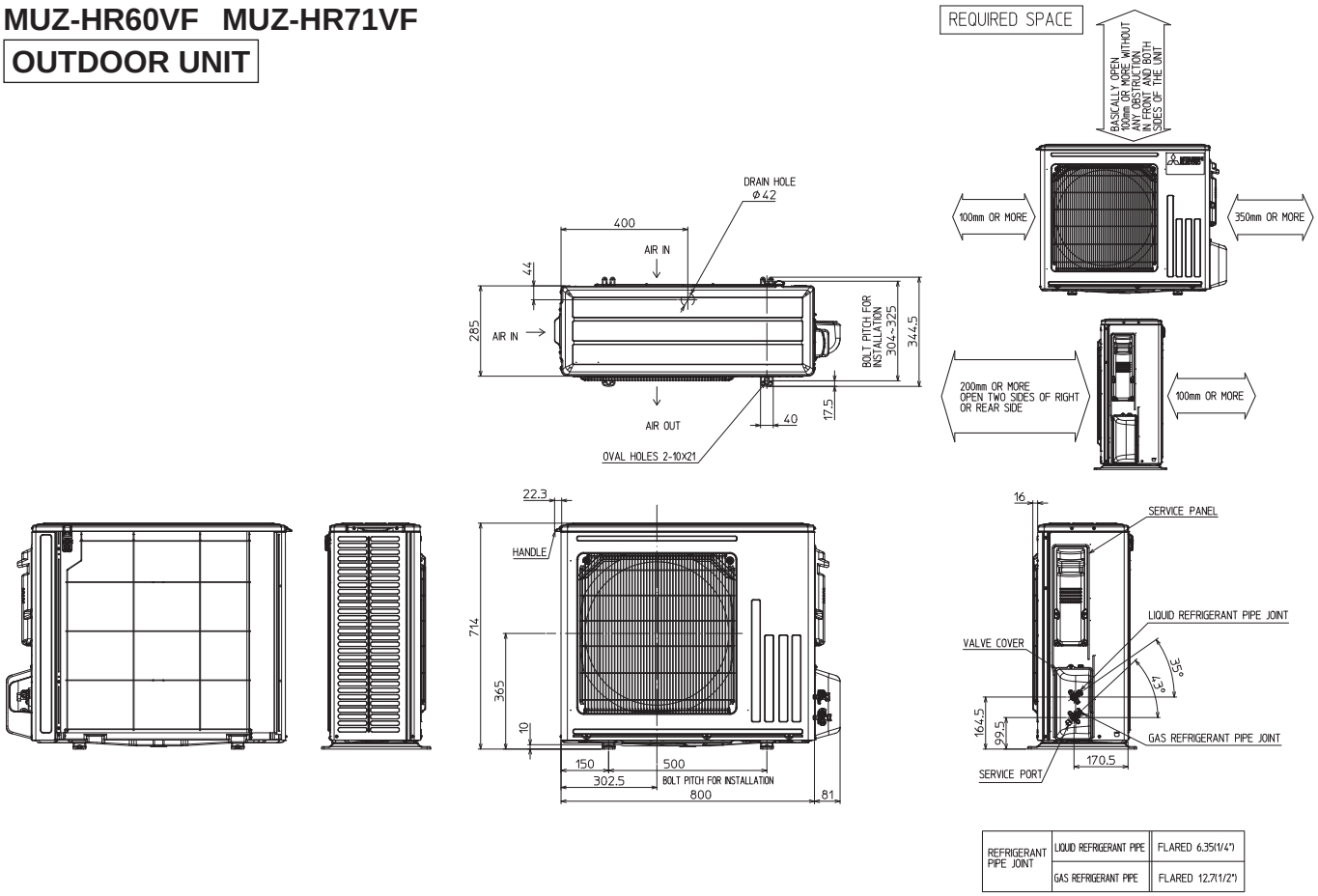


MUZ-HR42VF MUZ-HR50VF
OUTDOOR UNIT



Unit: mm

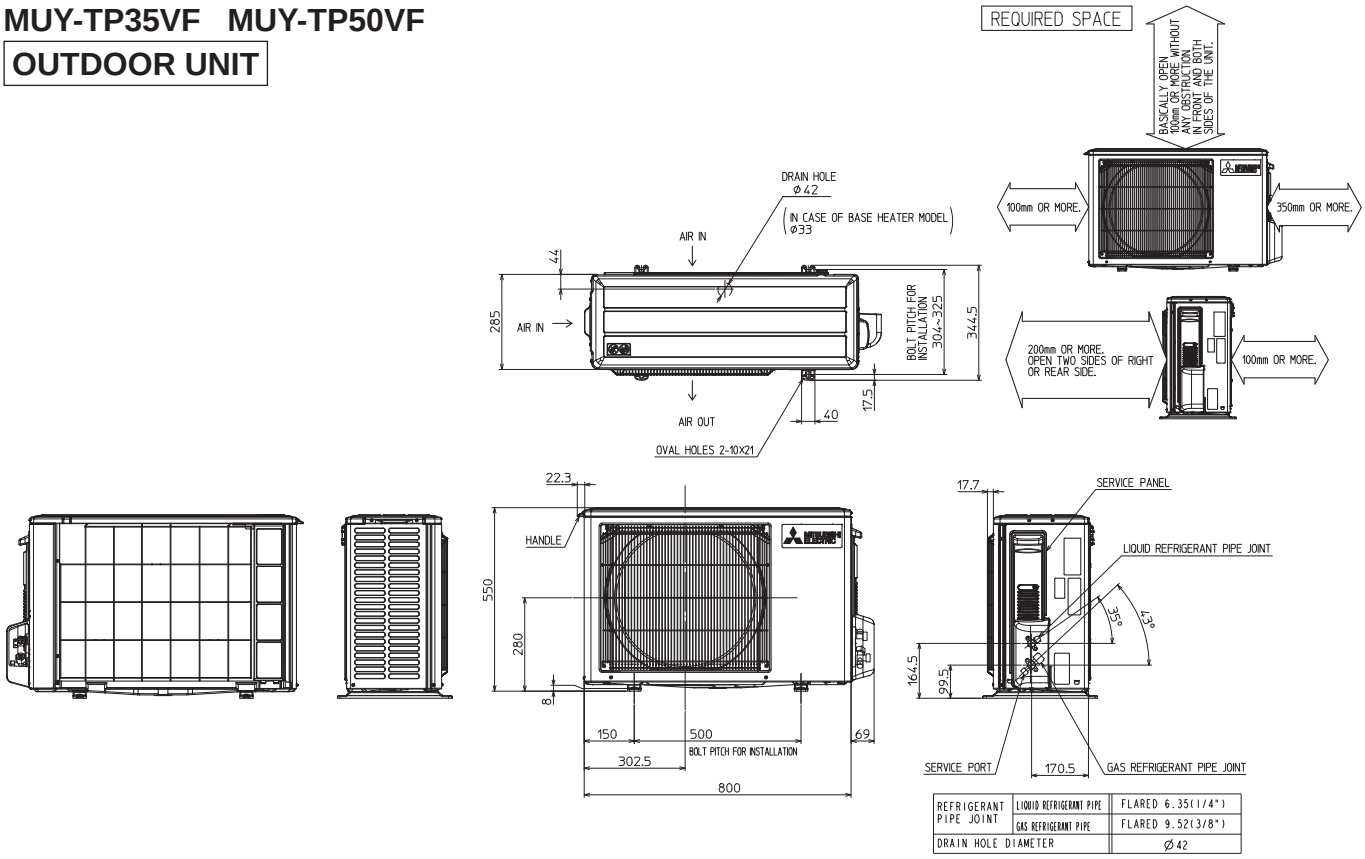
MUZ-HR60VF MUZ-HR71VF
OUTDOOR UNIT



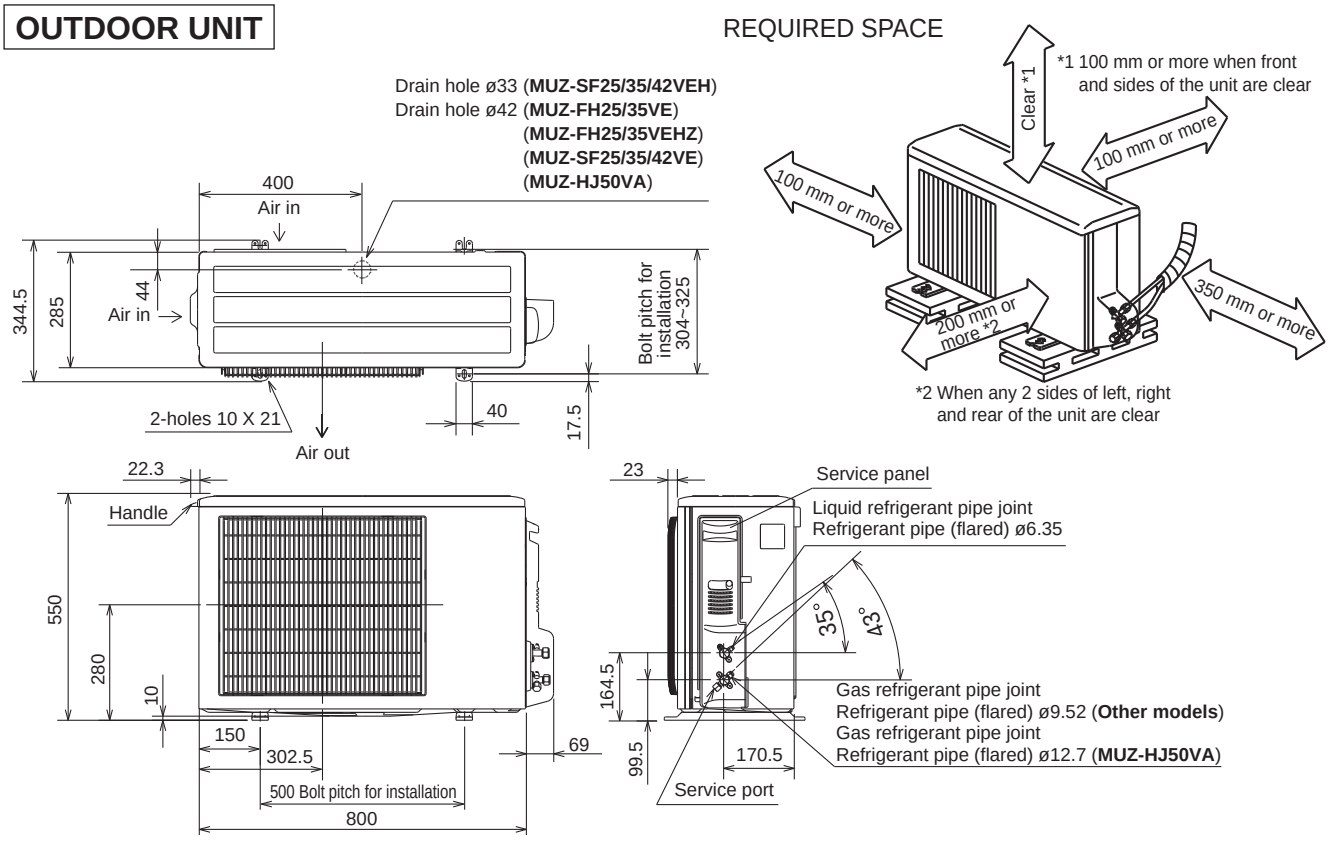
REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED 6.35(1/4")
	GAS REFRIGERANT PIPE	FLARED 12.7(1/2")

Unit: mm

MUY-TP35VF MUY-TP50VF
OUTDOOR UNIT

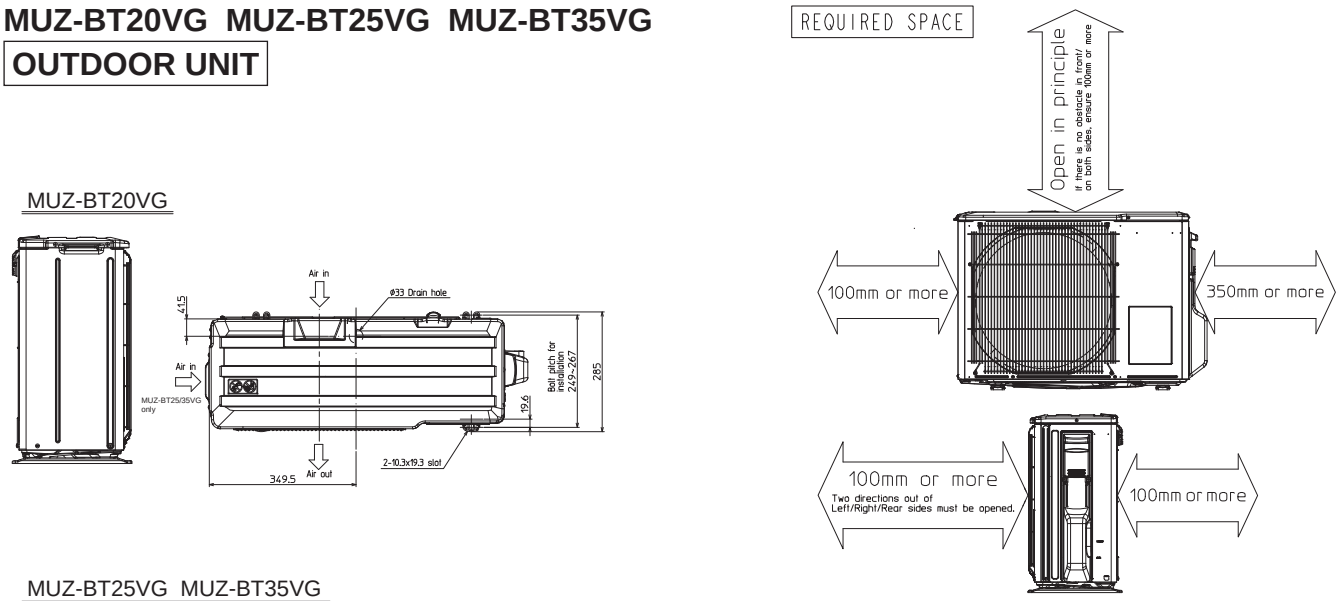


MUZ-FH25VE MUZ-FH35VE
MUZ-FH25VEHZ MUZ-FH35VEHZ
MUZ-SF25VE MUZ-SF35VE MUZ-SF42VE
MUZ-SF25VEH MUZ-SF35VEH MUZ-SF42VEH
MUZ-HJ50VA
OUTDOOR UNIT

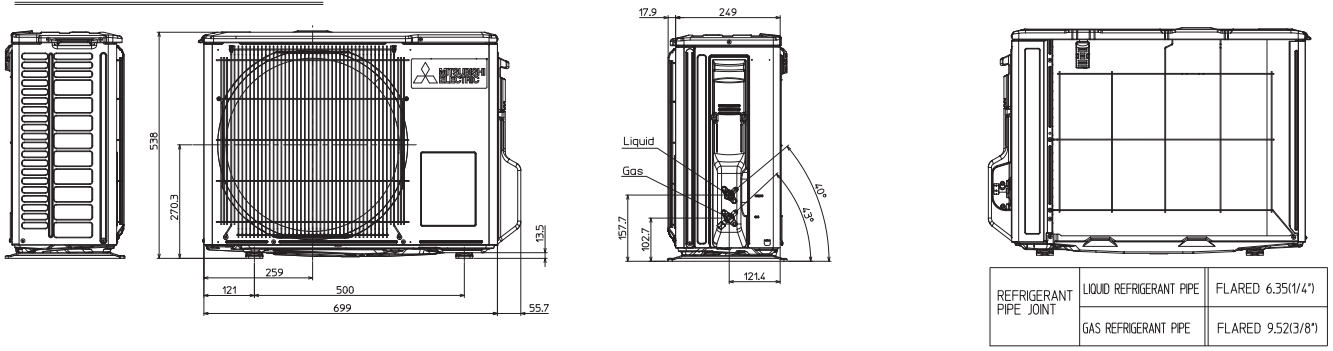


Unit: mm

MUZ-BT20VG MUZ-BT25VG MUZ-BT35VG
OUTDOOR UNIT

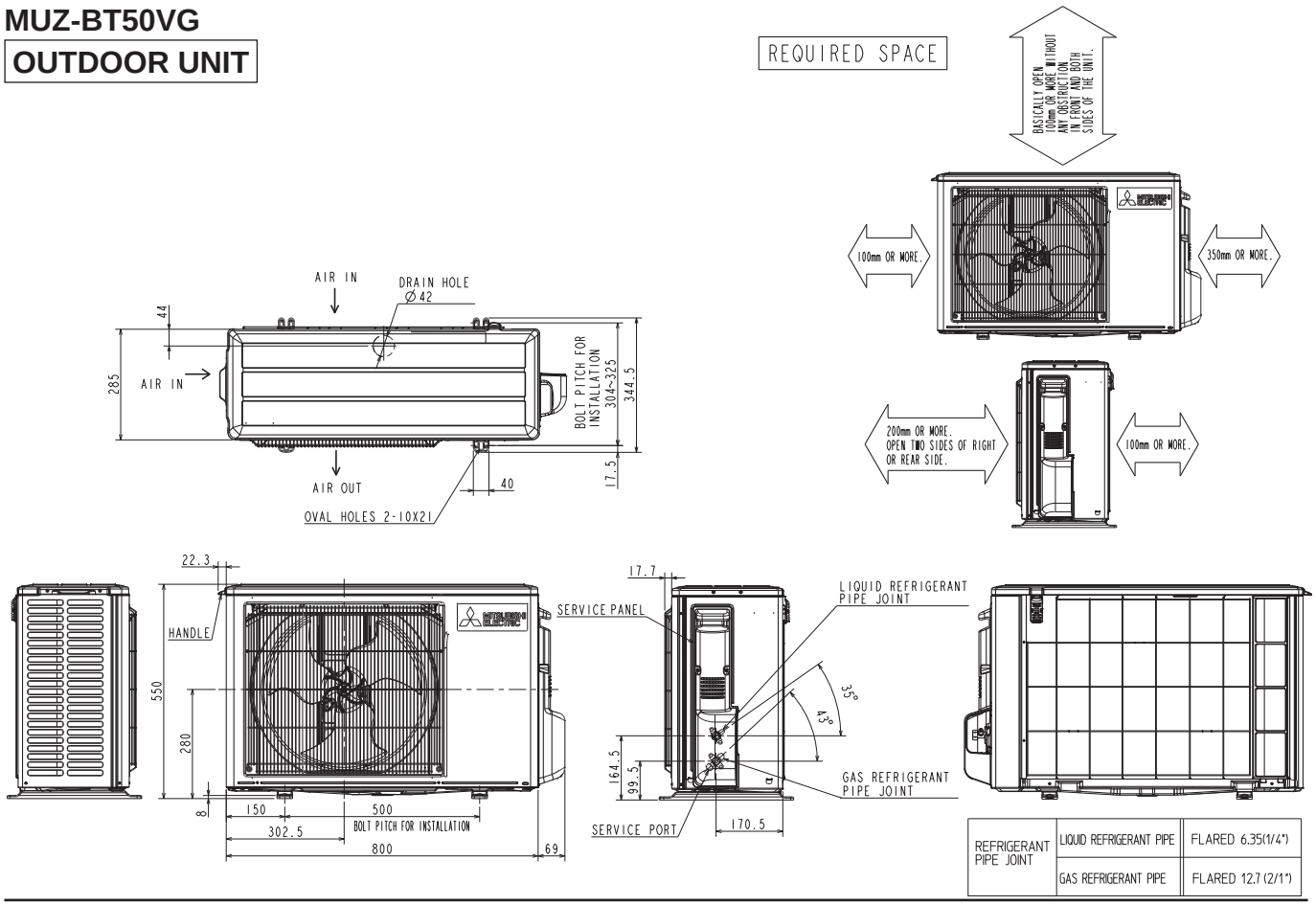


MUZ-BT25VG MUZ-BT35VG



REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED 6.35(1/4")
	GAS REFRIGERANT PIPE	FLARED 9.52(3/8")

MUZ-BT50VG
OUTDOOR UNIT

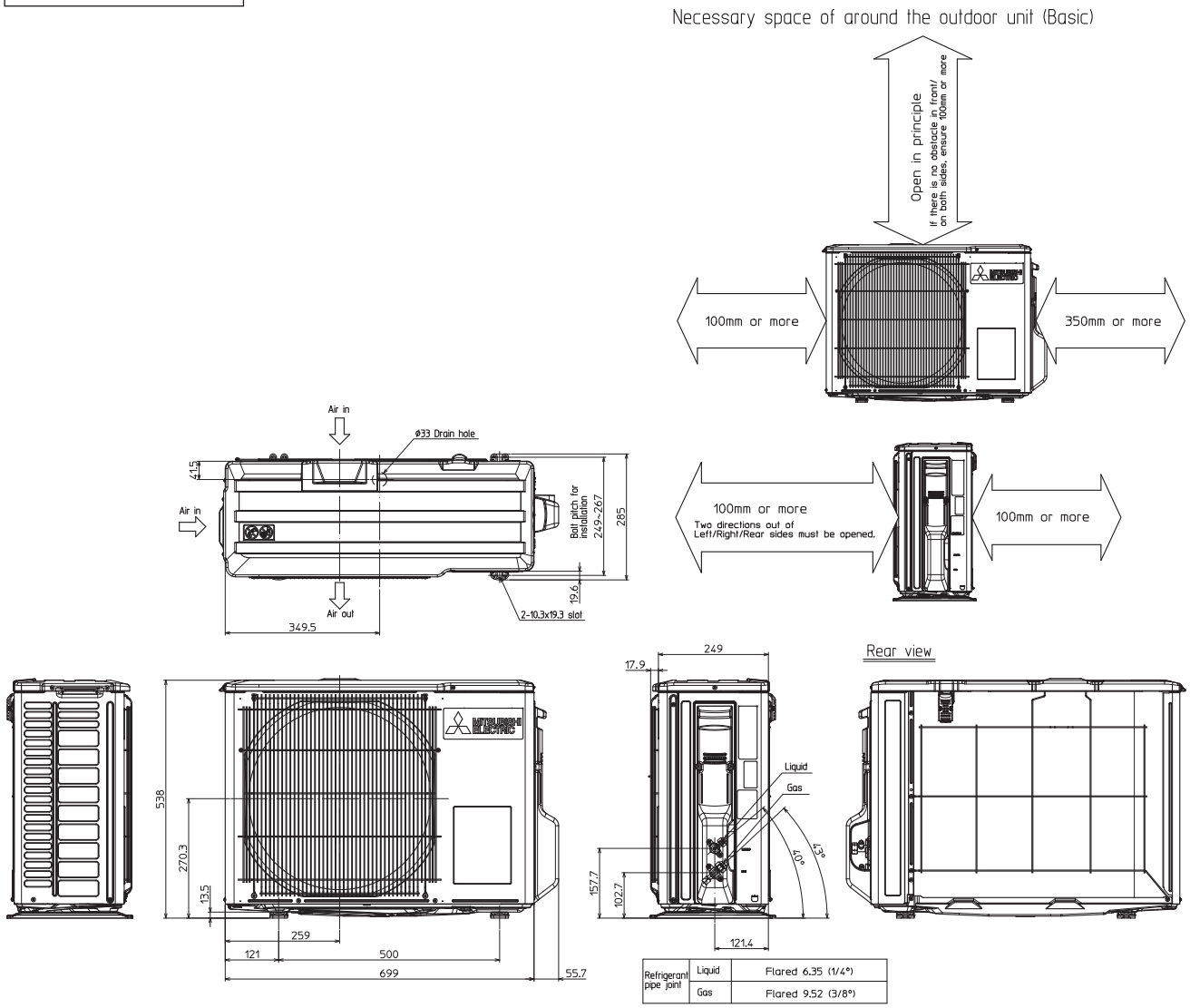


REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED 6.35(1/4")
	GAS REFRIGERANT PIPE	FLARED 12.7 (2/1")

Unit: mm

MUZ-WN25VA MUZ-WN35VA

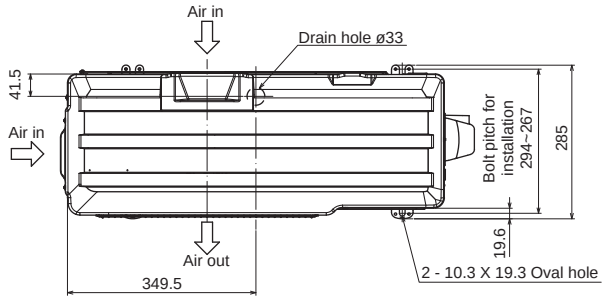
OUTDOOR UNIT

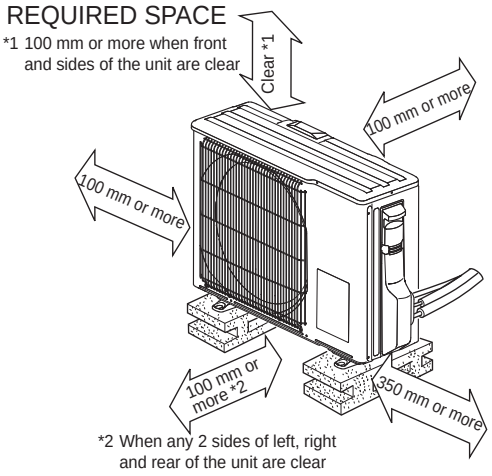


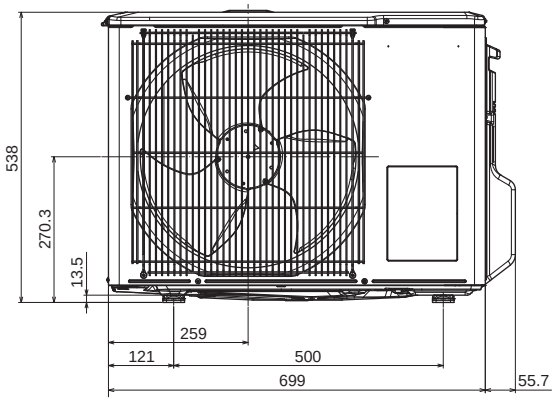
Unit: mm

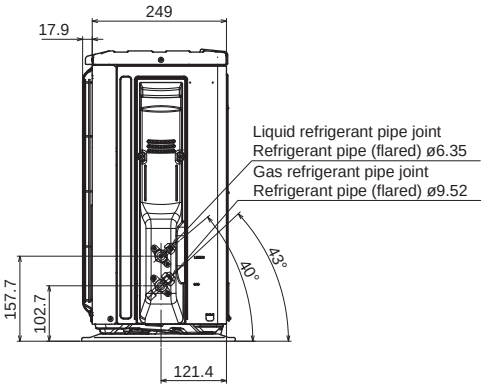
MUZ-DM25VA MUZ-DM35VA
MUZ-HJ25VA MUZ-HJ35VA

OUTDOOR UNIT







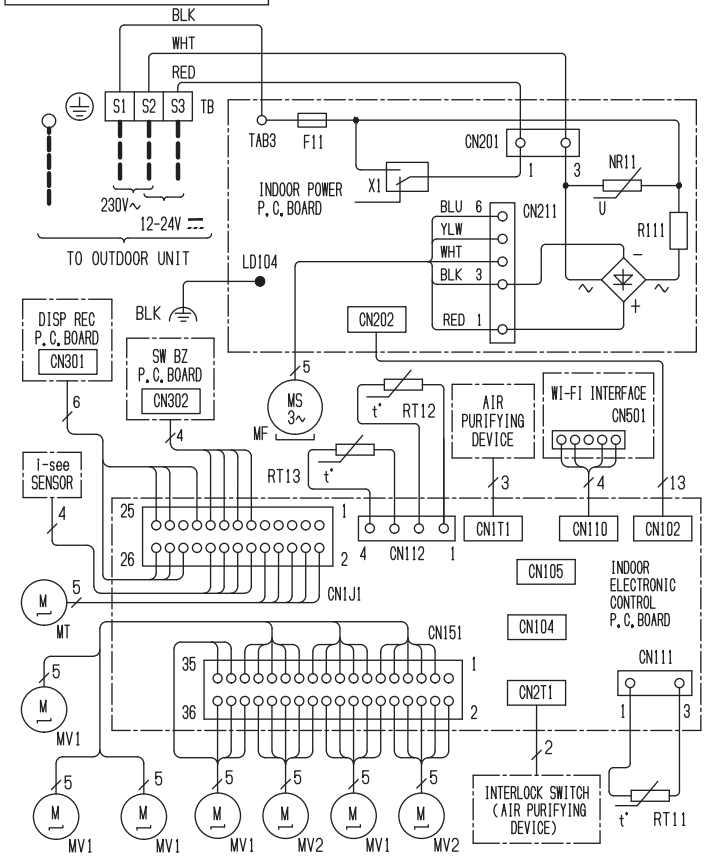


C.1.3 WIRING DIAGRAM

C.1.3.1 Indoor Unit

MSZ-LN18VG2W MSZ-LN25VG2W MSZ-LN35VG2W MSZ-LN60VG2W
MSZ-LN18VG2V MSZ-LN25VG2V MSZ-LN35VG2V MSZ-LN60VG2V
MSZ-LN18VG2B MSZ-LN25VG2B MSZ-LN35VG2B MSZ-LN60VG2B
MSZ-LN18VG2R MSZ-LN25VG2R MSZ-LN35VG2R MSZ-LN60VG2R

INDOOR UNIT

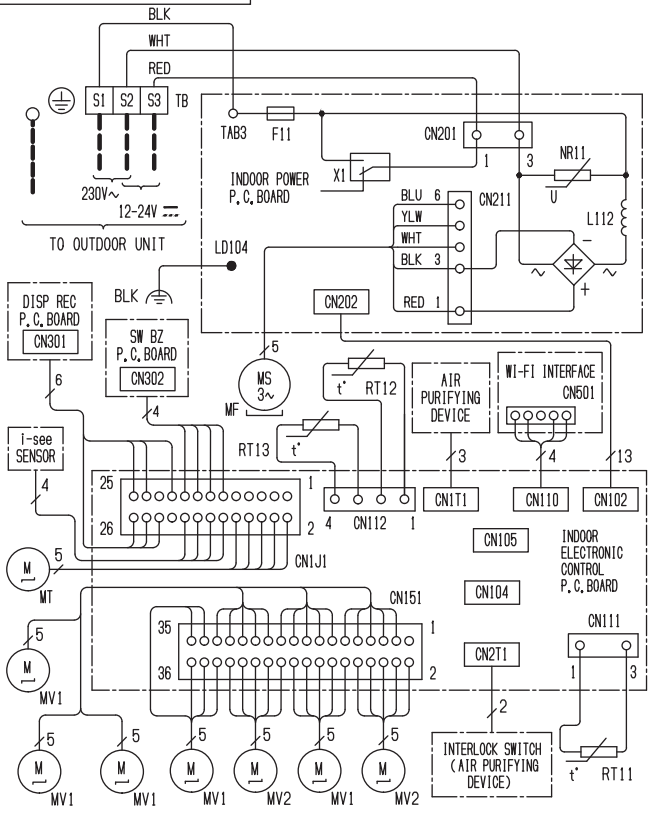


SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL)
MV2	VANE MOTOR (VERTICAL)
MT	i-see SENSOR MOTOR
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
TB	TERMINAL BLOCK
X1	RELAY

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate. ⊏⊐⊏⊐ : Terminal block ⊙⊙⊙⊙ : Connector

MSZ-LN50VG2W
MSZ-LN50VG2V
MSZ-LN50VG2B
MSZ-LN50VG2R

INDOOR UNIT

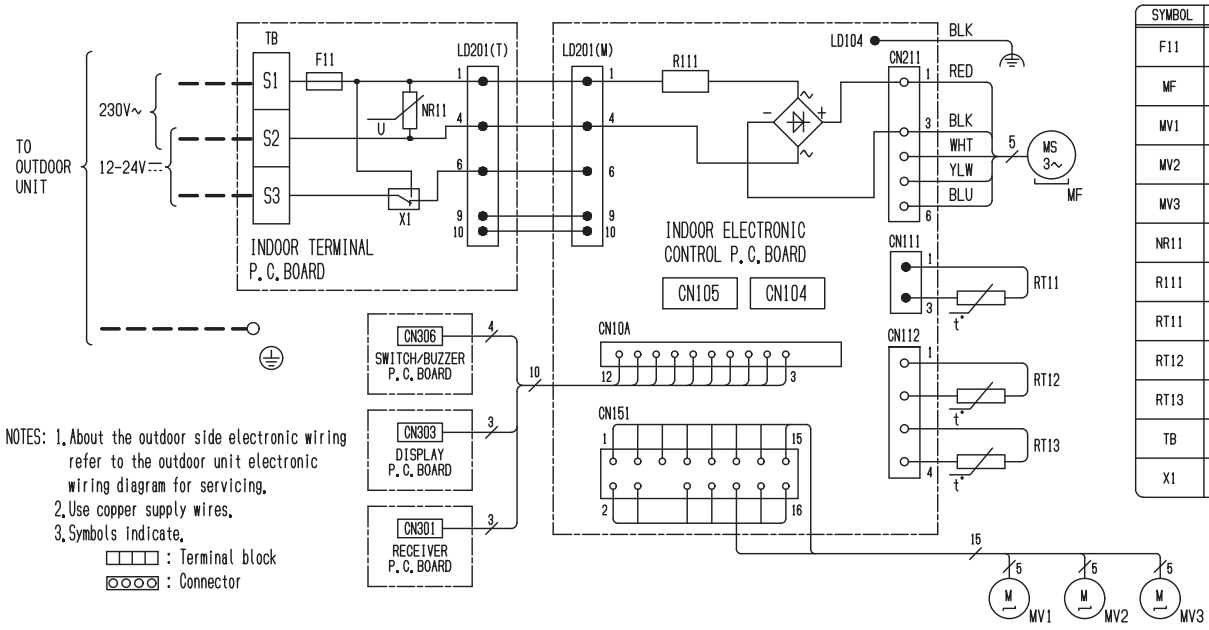


SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL)
MV2	VANE MOTOR (VERTICAL)
MT	i-see SENSOR MOTOR
NR11	VARISTOR
L112	REACTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
TB	TERMINAL BLOCK
X1	RELAY

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate. ⊏⊐⊐⊐ : Terminal block ⊏○○○⊐ : Connector

MSZ-FT25VG

INDOOR UNIT

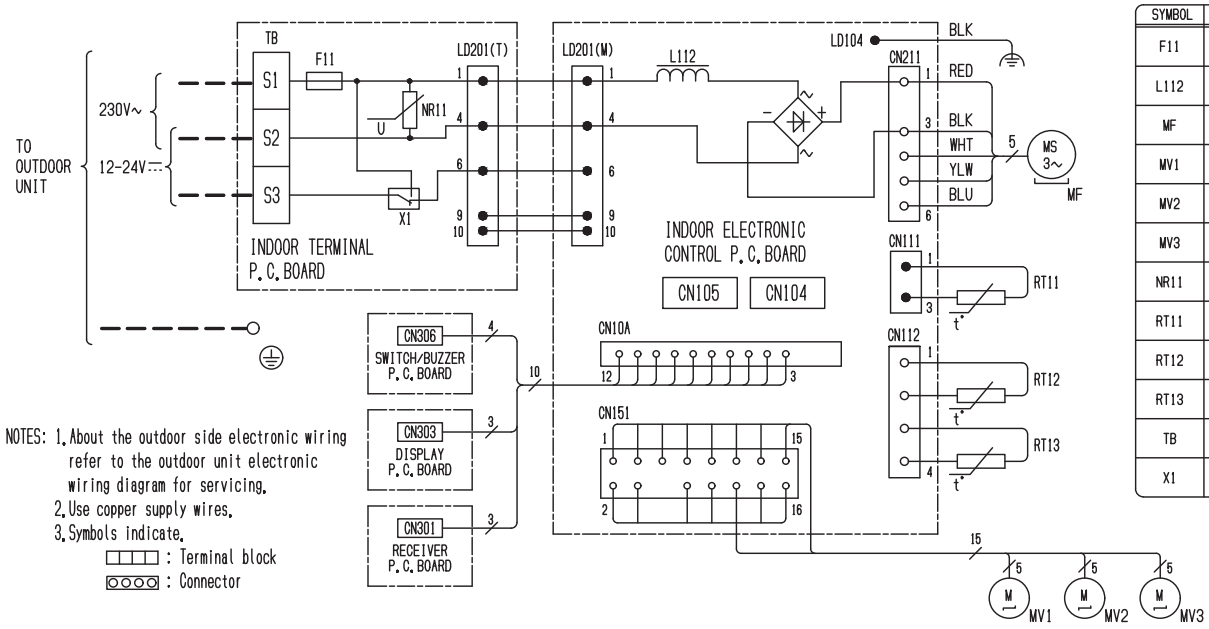


SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL UPPER)
MV2	VANE MOTOR (HORIZONTAL LOWER)
MV3	VANE MOTOR (VERTICAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR(MAIN)
RT13	COIL TEMP. THERMISTOR(SUB)
TB	TERMINAL BLOCK
X1	RELAY(1C)

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate.
: Terminal block
: Connector

MSZ-FT35VG MSZ-FT50VG

INDOOR UNIT

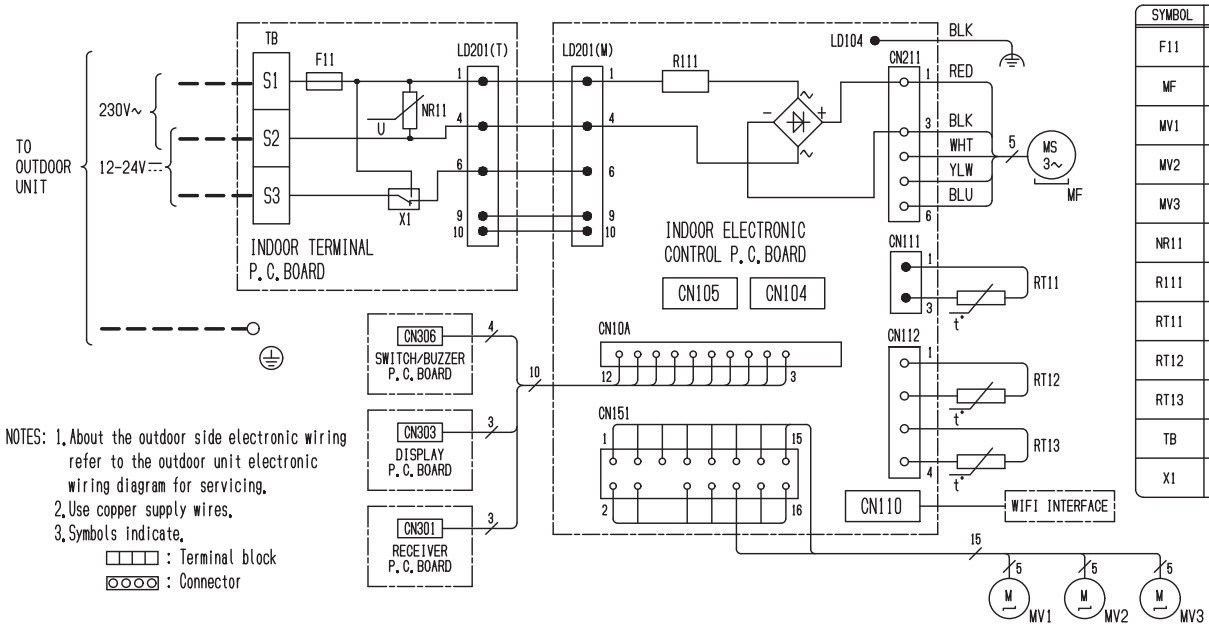


SYMBOL	NAME
F11	FUSE (T3.15AL250V)
L112	REACTOR
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL UPPER)
MV2	VANE MOTOR (HORIZONTAL LOWER)
MV3	VANE MOTOR (VERTICAL)
NR11	VARISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR(MAIN)
RT13	COIL TEMP. THERMISTOR(SUB)
TB	TERMINAL BLOCK
X1	RELAY(1C)

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate.
: Terminal block
: Connector

MSZ-FT25VGK

INDOOR UNIT

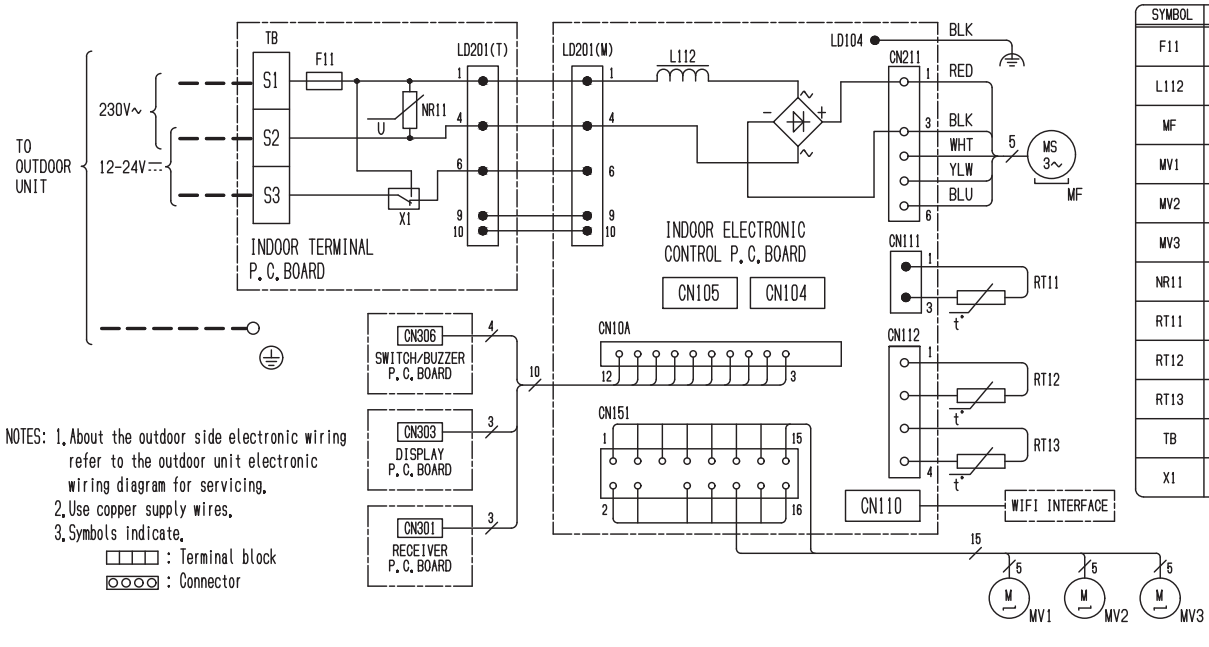


NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate.
: Terminal block
: Connector

SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL UPPER)
MV2	VANE MOTOR (HORIZONTAL LOWER)
MV3	VANE MOTOR (VERTICAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR(MAIN)
RT13	COIL TEMP. THERMISTOR(SUB)
TB	TERMINAL BLOCK
X1	RELAY(1C)

MSZ-FT35VGK MSZ-FT50VGK

INDOOR UNIT

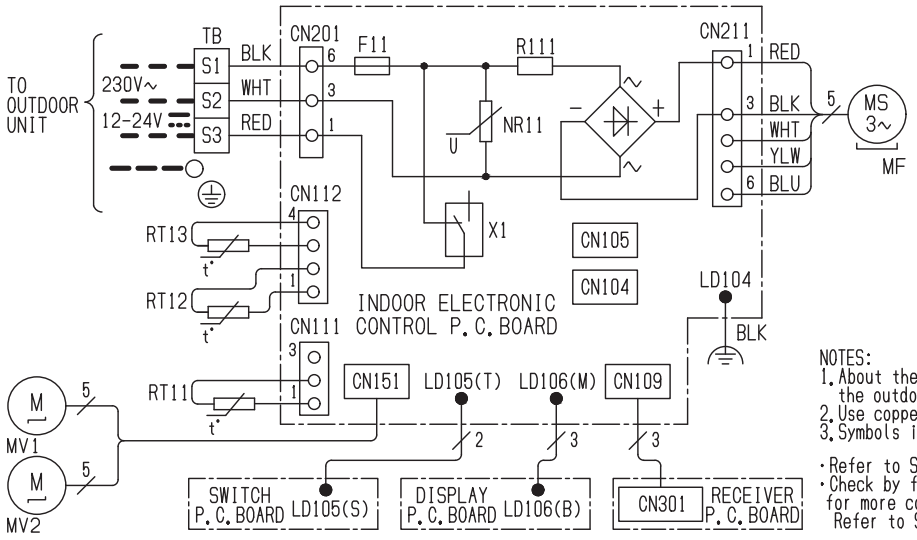


NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate.
: Terminal block
: Connector

SYMBOL	NAME
F11	FUSE (T3.15AL250V)
L112	REACTOR
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL UPPER)
MV2	VANE MOTOR (HORIZONTAL LOWER)
MV3	VANE MOTOR (VERTICAL)
NR11	VARISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR(MAIN)
RT13	COIL TEMP. THERMISTOR(SUB)
TB	TERMINAL BLOCK
X1	RELAY(1C)

MSZ-AP15VG MSZ-AP20VG

INDOOR UNIT



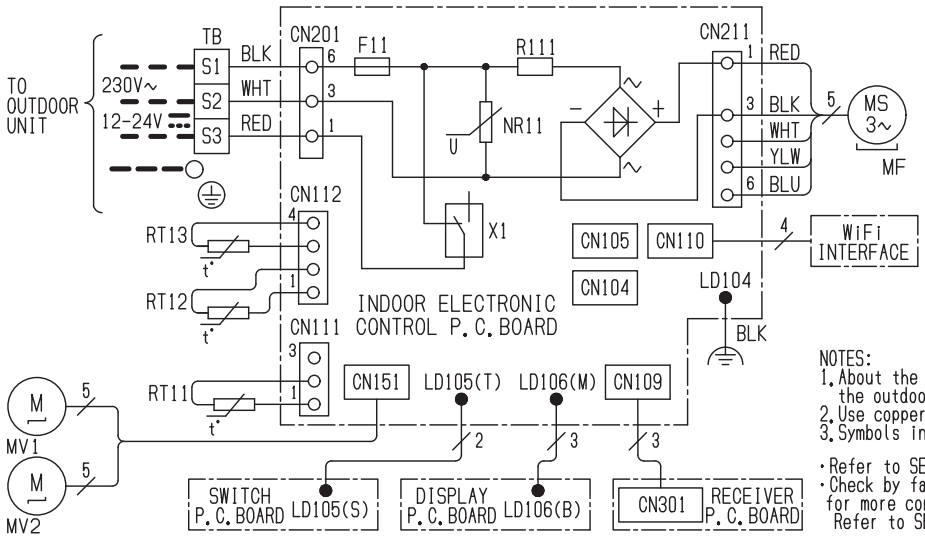
SYMBOL	NAME	SYMBOL	NAME
F11	FUSE (T3.15AL250V)	RT11	ROOM TEMP. THERMISTOR
MF	FAN MOTOR	RT12	COIL TEMP. THERMISTOR (MAIN)
MV1	VANE MOTOR (HORIZONTAL UPPER)	RT13	COIL TEMP. THERMISTOR (SUB)
MV2	VANE MOTOR (HORIZONTAL LOWER)	TB	TERMINAL BLOCK
NR11	VARISTOR	X1	RELAY
R111	RESISTOR		

NOTES:
1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires. ⊏⊐⊐⊐ :Terminal block
3. Symbols indicate. ⊡⊡⊡⊡ :Connector

・Refer to SERVICE MANUAL for details.
・Check by failure mode recall function for more confirmation of abnormality in detail. Refer to SERVICE MANUAL as for failure mode recall function.

MSZ-AP15VGK MSZ-AP20VGK

INDOOR UNIT



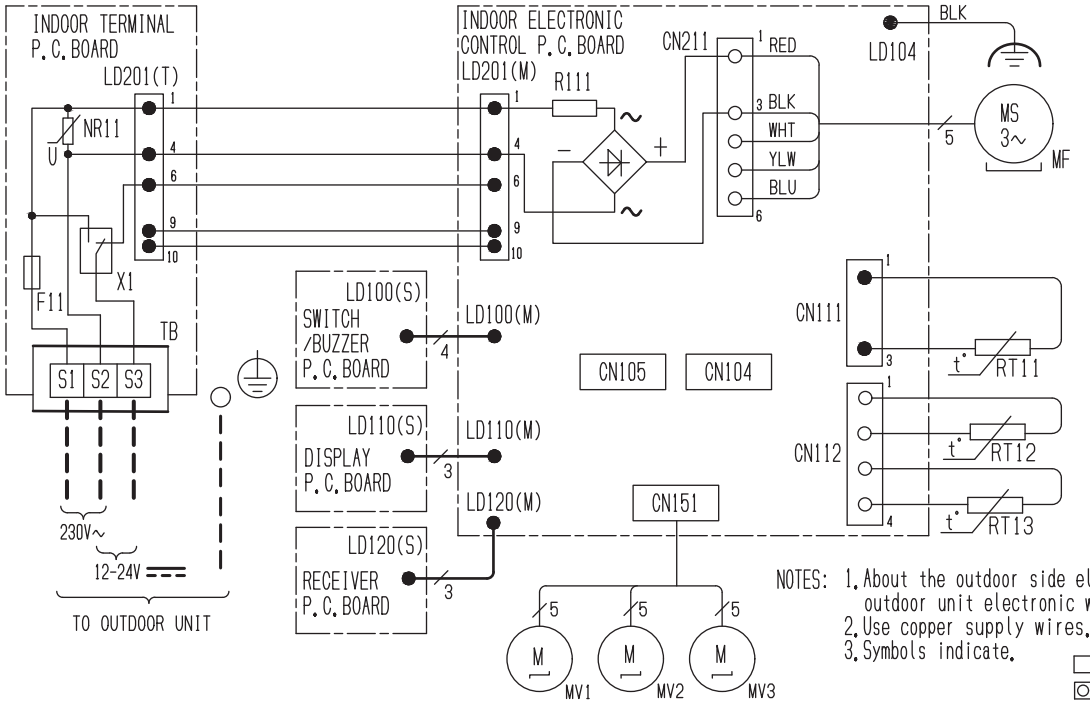
SYMBOL	NAME	SYMBOL	NAME
F11	FUSE (T3.15AL250V)	RT11	ROOM TEMP. THERMISTOR
MF	FAN MOTOR	RT12	COIL TEMP. THERMISTOR (MAIN)
MV1	VANE MOTOR (HORIZONTAL UPPER)	RT13	COIL TEMP. THERMISTOR (SUB)
MV2	VANE MOTOR (HORIZONTAL LOWER)	TB	TERMINAL BLOCK
NR11	VARISTOR	X1	RELAY
R111	RESISTOR		

NOTES:
1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires. ⊏⊐⊐⊐ :Terminal block
3. Symbols indicate. ⊡⊡⊡⊡ :Connector

・Refer to SERVICE MANUAL for details.
・Check by failure mode recall function for more confirmation of abnormality in detail. Refer to SERVICE MANUAL as for failure mode recall function.

MSZ-AP25VG MSZ-AP35VG MSZ-AP42VG

INDOOR UNIT

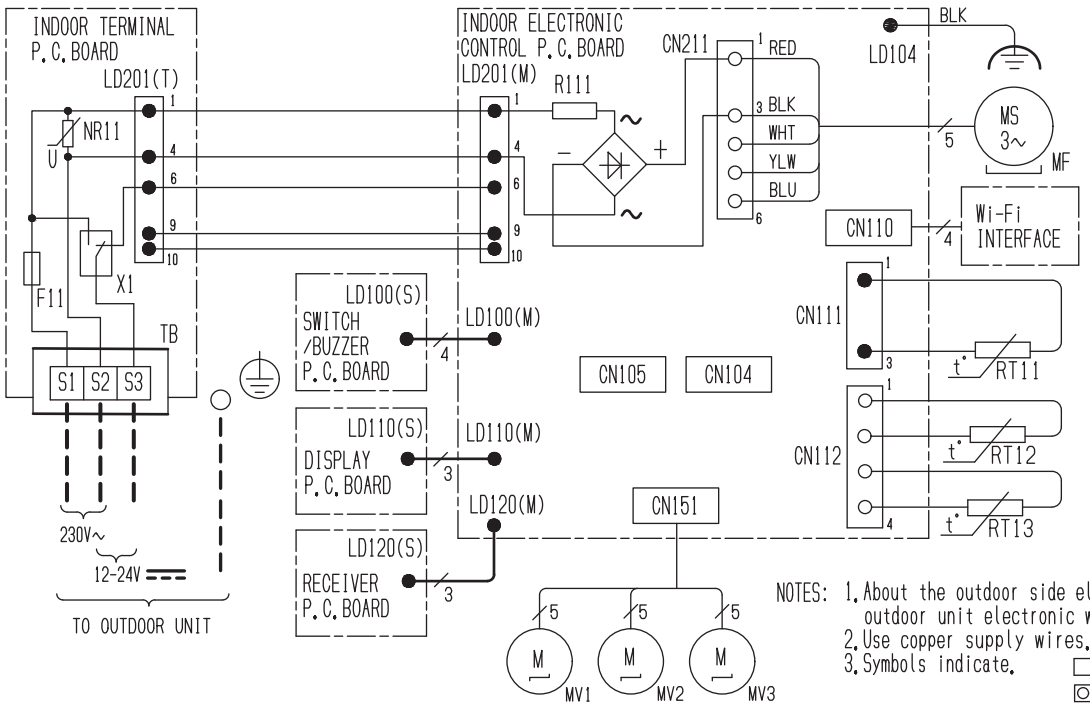


SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL UPPER)
MV2	VANE MOTOR (HORIZONTAL LOWER)
MV3	VANE MOTOR (VERTICAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
TB	TERMINAL BLOCK
X1	RELAY

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate. : Terminal block : Connector

MSZ-AP25VGK MSZ-AP35VGK MSZ-AP42VGK

INDOOR UNIT

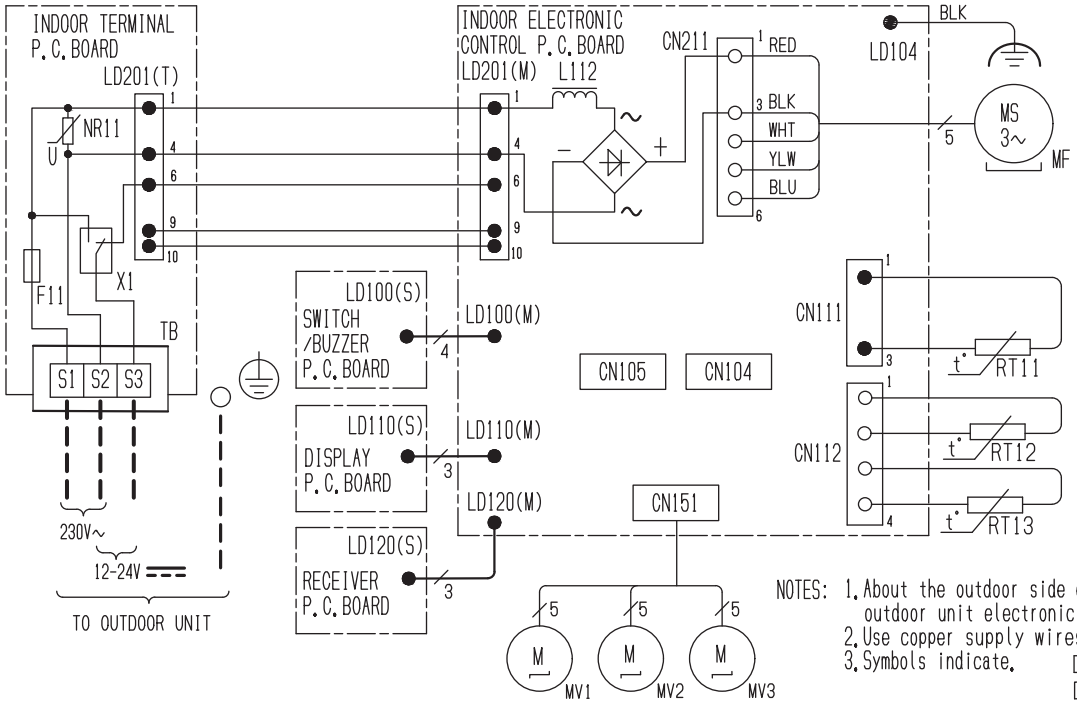


SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL UPPER)
MV2	VANE MOTOR (HORIZONTAL LOWER)
MV3	VANE MOTOR (VERTICAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
TB	TERMINAL BLOCK
X1	RELAY

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate. : Terminal block : Connector

MSZ-AP50VG

INDOOR UNIT

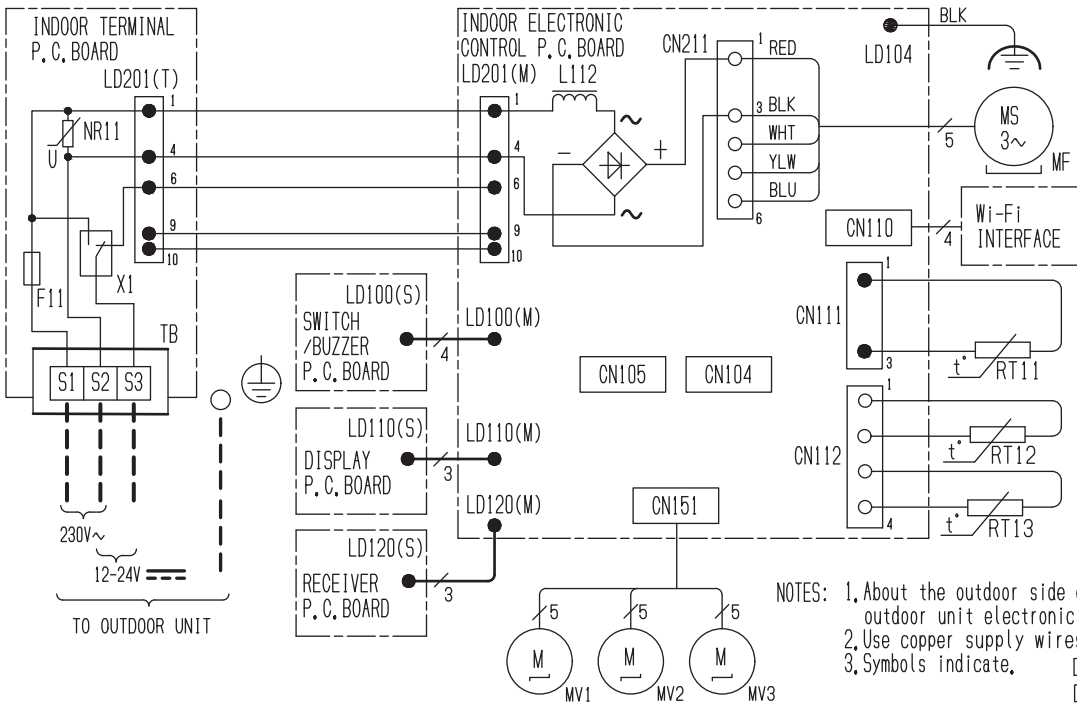


SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL UPPER)
MV2	VANE MOTOR (HORIZONTAL LOWER)
MV3	VANE MOTOR (VERTICAL)
NR11	VARISTOR
L112	REACTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
TB	TERMINAL BLOCK
X1	RELAY

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate. : Terminal block : Connector

MSZ-AP50VGK

INDOOR UNIT

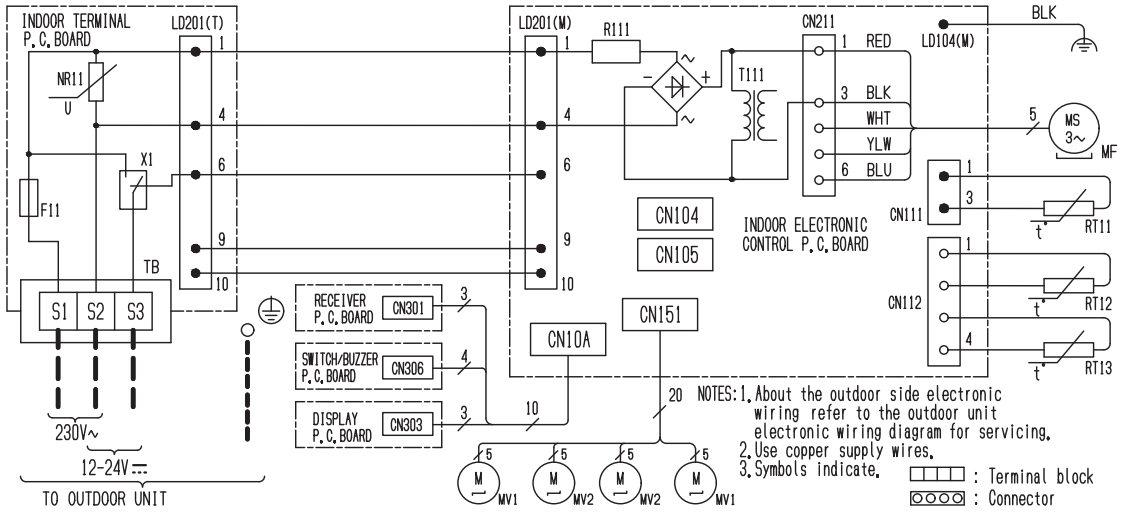


SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL UPPER)
MV2	VANE MOTOR (HORIZONTAL LOWER)
MV3	VANE MOTOR (VERTICAL)
NR11	VARISTOR
L112	REACTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
TB	TERMINAL BLOCK
X1	RELAY

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate. : Terminal block : Connector

MSZ-AP60VG MSZ-AP71VG

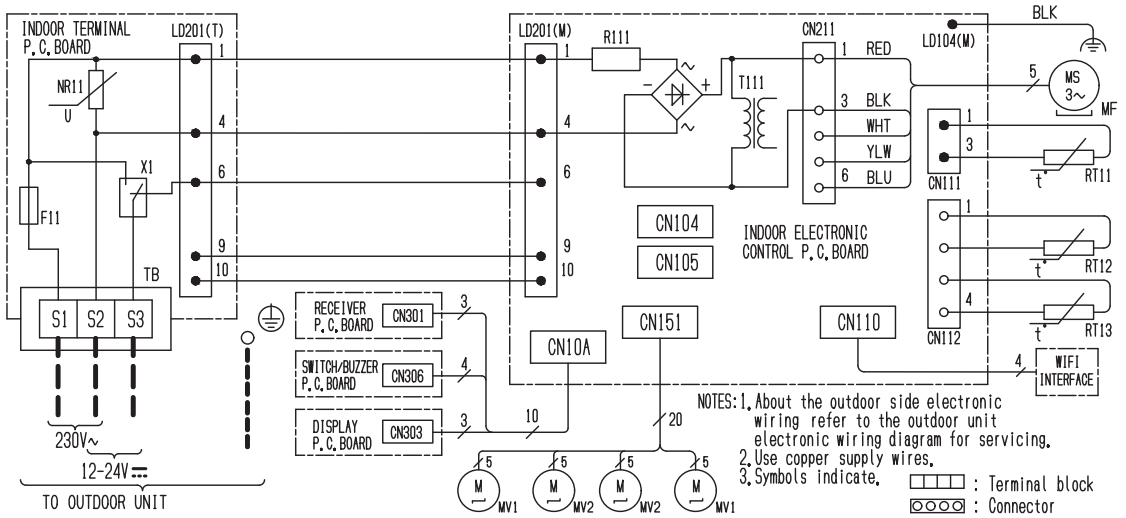
INDOOR UNIT



SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL)
MV2	VANE MOTOR (VERTICAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK
X1	RELAY

MSZ-AP60VGK MSZ-AP71VGK

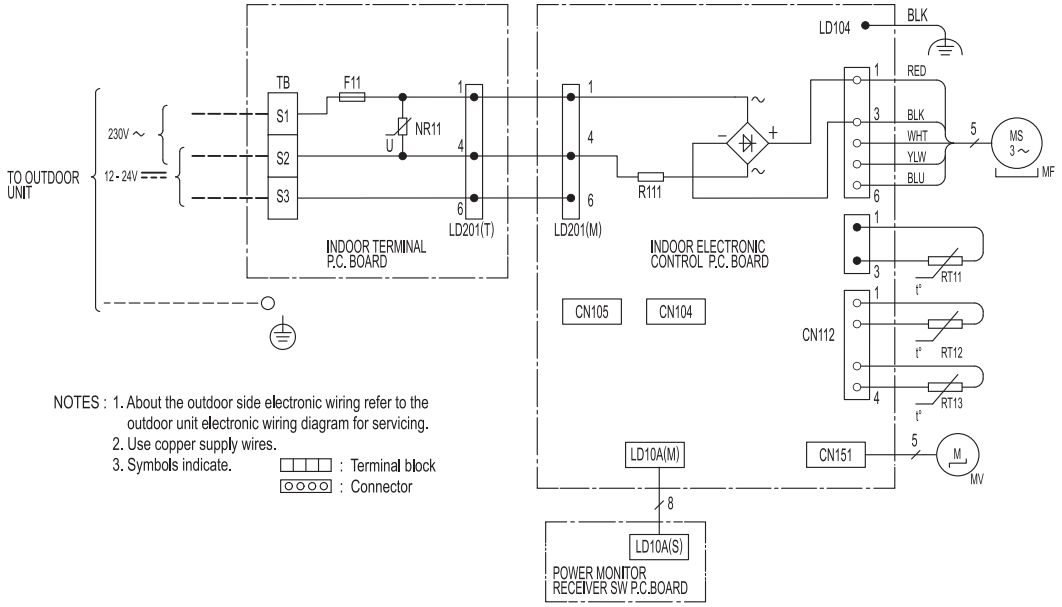
INDOOR UNIT



SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL)
MV2	VANE MOTOR (VERTICAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK
X1	RELAY

MSZ-HR25VF MSZ-HR35VF MSZ-HR42VF MSZ-HR50VF

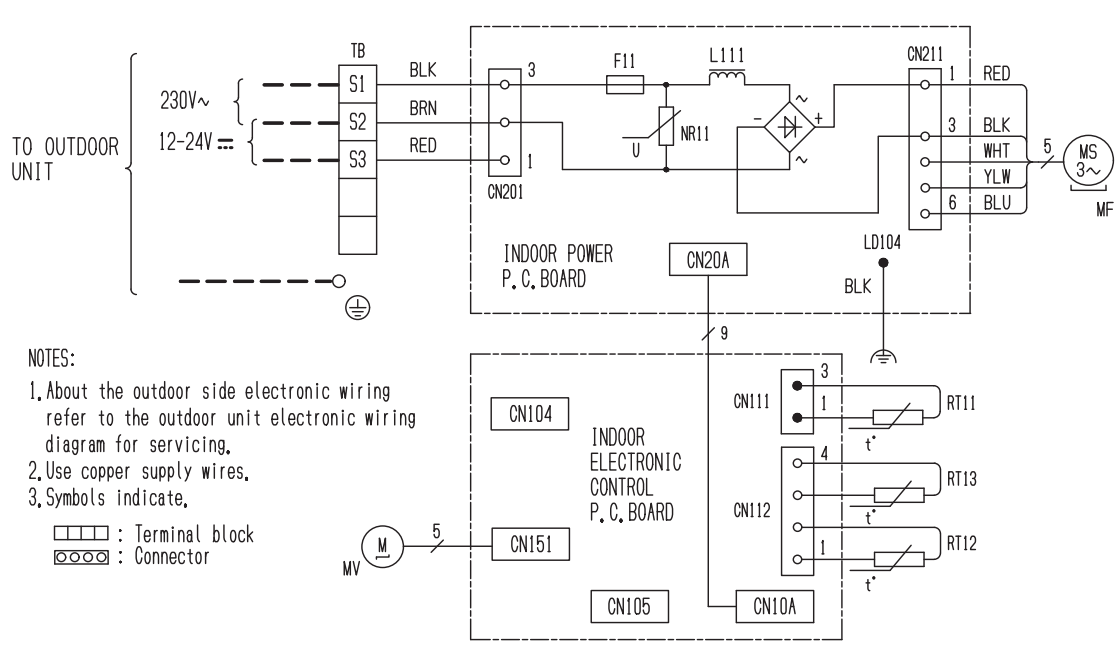
INDOOR UNIT



NOTES : 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate. ▭▭▭ : Terminal block ▭▭▭ : Connector

SYMBOL	NAME
F11	FUSE (T3. 15AL250V)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
TB	TERMINAL BLOCK

MSZ-HR60VF MSZ-HR71VF

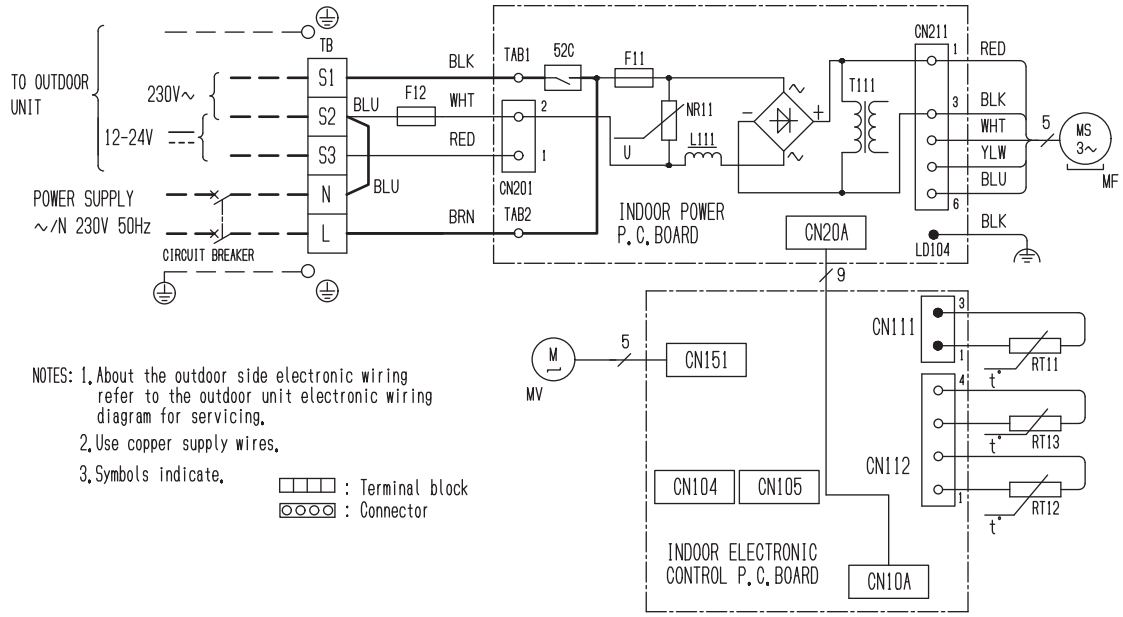


NOTES:
1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate.
▭▭▭ : Terminal block
▭▭▭ : Connector

SYMBOL	NAME
F11	FUSE (T3. 15AL250V)
L111	REACTOR
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
TB	TERMINAL BLOCK

MSY-TP35VF MSY-TP50VF

INDOOR UNIT

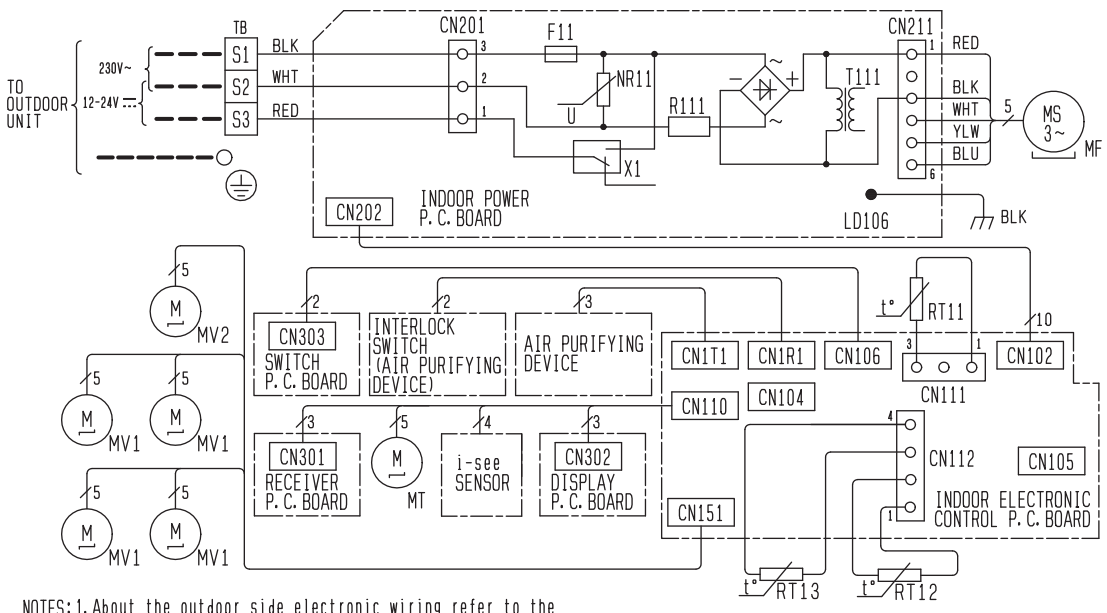


NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate. : Terminal block : Connector

SYMBOL	NAME
F11	FUSE (T3.15AL250V)
F12	THERMAL FUSE (102℃ 4.5A)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
L111	REACTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK
TAB1, TAB2	TAB
52C	CONTACTOR

MSZ-FH25VE2 MSZ-FH35VE2 MSZ-FH50VE2

INDOOR UNIT

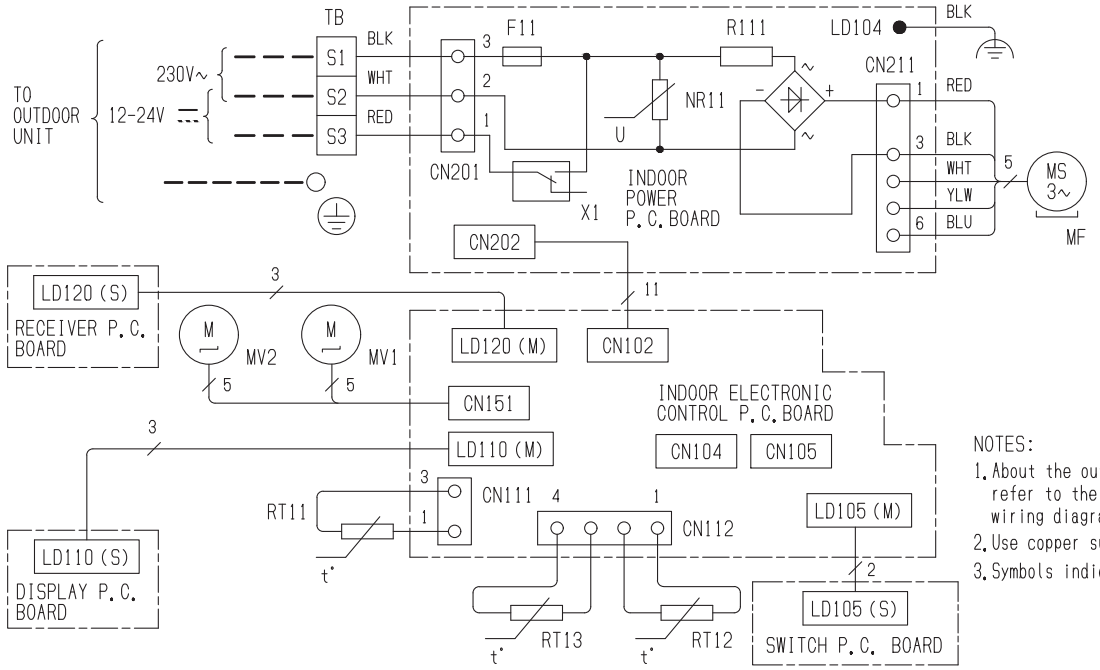


NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper conductors only. (For field wiring) : Terminal block
3. Symbols indicate. : Connector

SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL)
MV2	VANE MOTOR (VERTICAL)
MT	i-see SENSOR MOTOR
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK
X1	RELAY

MSZ-EF18VGW MSZ-EF22VGW MSZ-EF25VGW MSZ-EF35VGW MSZ-EF42VGW
MSZ-EF18VGB MSZ-EF22VGB MSZ-EF25VGB MSZ-EF35VGB MSZ-EF42VGB
MSZ-EF18VGS MSZ-EF22VGS MSZ-EF25VGS MSZ-EF35VGS MSZ-EF42VGS

INDOOR UNIT



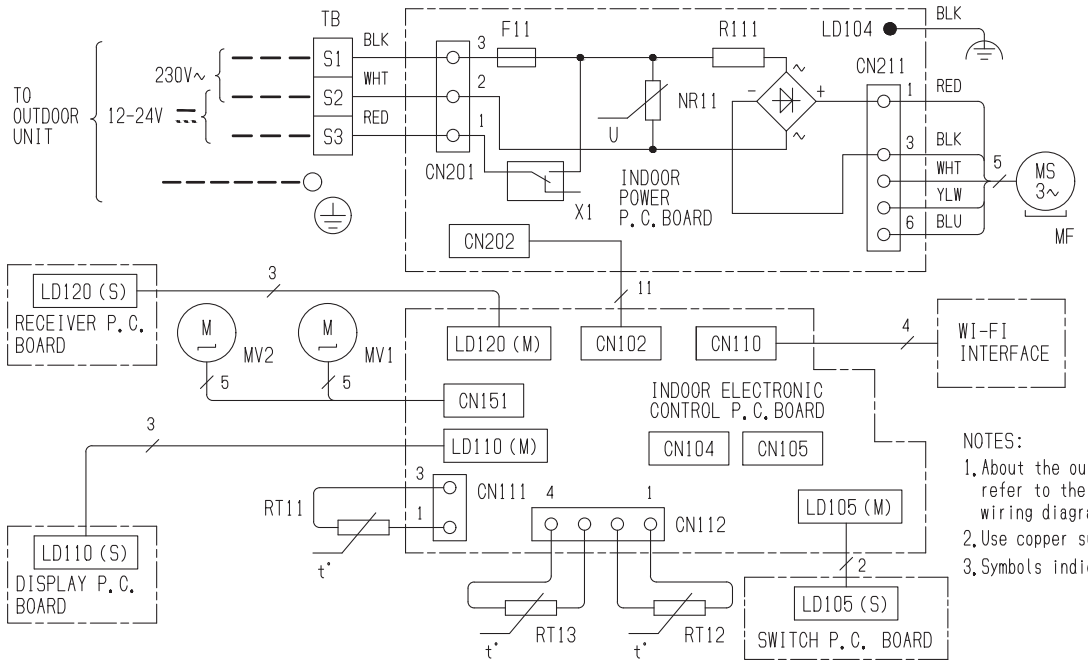
SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL UPPER)
MV2	VANE MOTOR (HORIZONTAL LOWER)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
TB	TERMINAL BLOCK
X1	RELAY

NOTES:
1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate.

: Terminal block
: Connector

MSZ-EF18VGKW MSZ-EF22VGKW MSZ-EF25VGKW MSZ-EF35VGKW MSZ-EF42VGKW
MSZ-EF18VGKB MSZ-EF22VGKB MSZ-EF25VGKB MSZ-EF35VGKB MSZ-EF42VGKB
MSZ-EF18VGKS MSZ-EF22VGKS MSZ-EF25VGKS MSZ-EF35VGKS MSZ-EF42VGKS

INDOOR UNIT



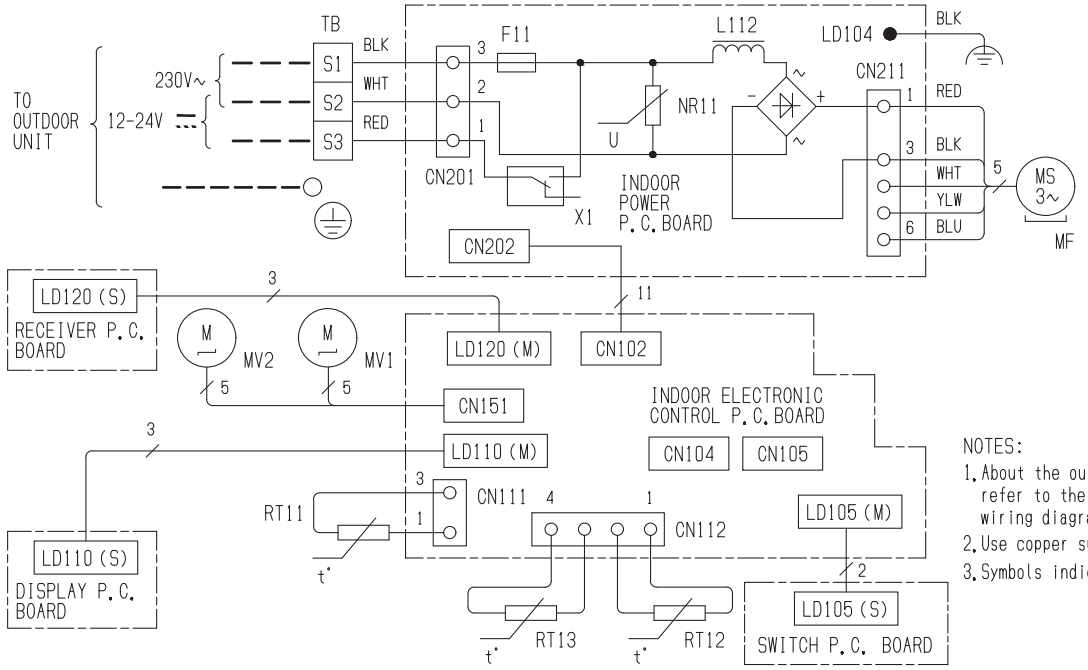
SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL UPPER)
MV2	VANE MOTOR (HORIZONTAL LOWER)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
TB	TERMINAL BLOCK
X1	RELAY

NOTES:
1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate.

: Terminal block
: Connector

MSZ-EF50VGW
MSZ-EF50VGB
MSZ-EF50VGS

INDOOR UNIT



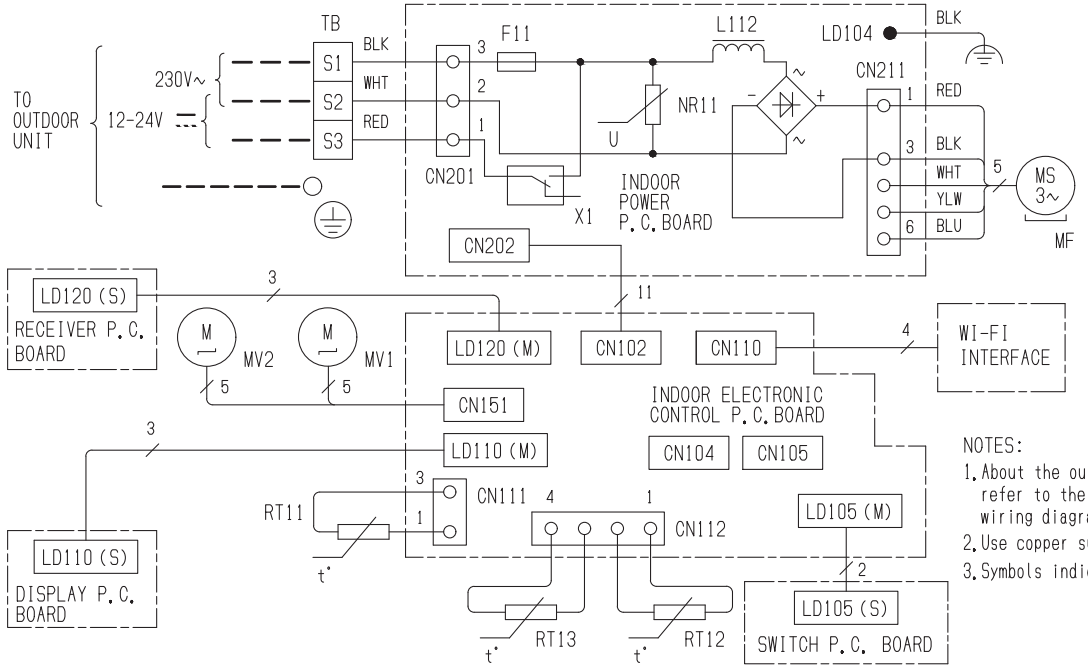
SYMBOL	NAME
F11	FUSE (T3.15AL250V)
L112	REACTOR
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL UPPER)
MV2	VANE MOTOR (HORIZONTAL LOWER)
NR11	VARISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
TB	TERMINAL BLOCK
X1	RELAY

NOTES:
1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate.

: Terminal block
: Connector

MSZ-EF50VGKW
MSZ-EF50VGKB
MSZ-EF50VGKS

INDOOR UNIT



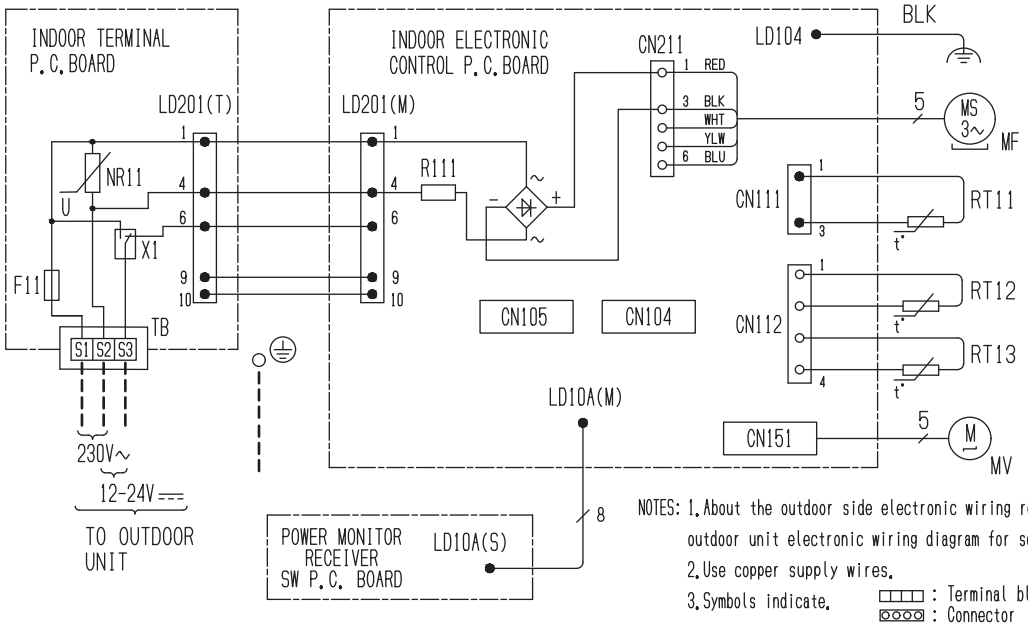
SYMBOL	NAME
F11	FUSE (T3.15AL250V)
L112	REACTOR
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL UPPER)
MV2	VANE MOTOR (HORIZONTAL LOWER)
NR11	VARISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
TB	TERMINAL BLOCK
X1	RELAY

NOTES:
1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate.

: Terminal block
: Connector

MSZ-BT20VG MSZ-BT25VG MSZ-BT35VG MSZ-BT50VG

INDOOR UNIT

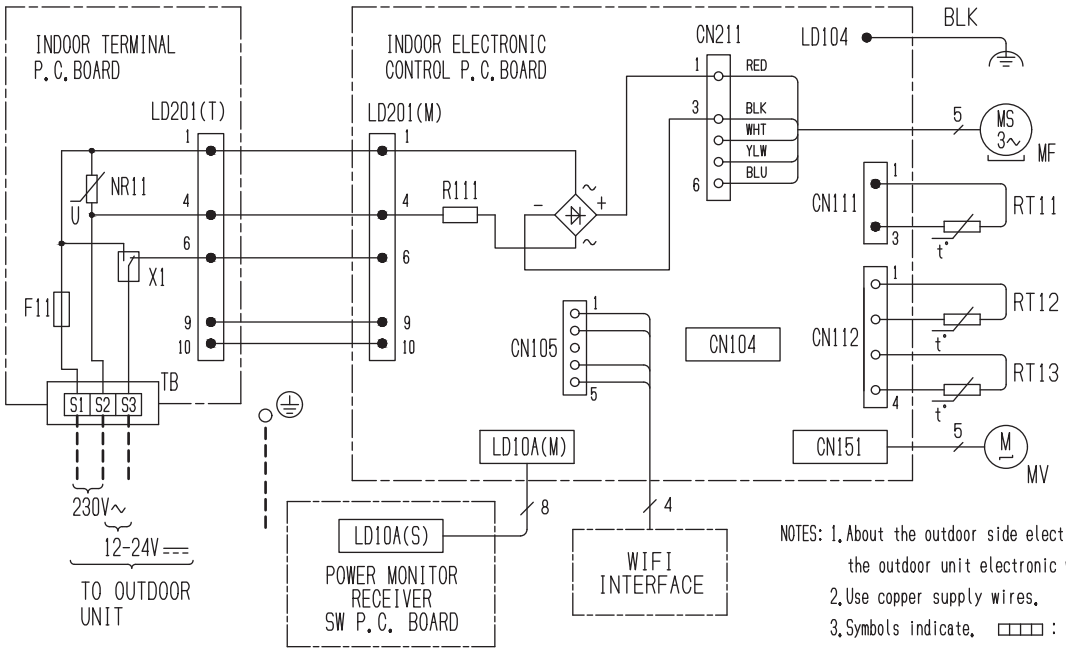


SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
TB	TERMINAL BLOCK
X1	RELAY

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊐⊏⊐ : Terminal block, ⊙⊙⊙⊙ : Connector

MSZ-BT20VGK MSZ-BT25VGK MSZ-BT35VGK MSZ-BT50VGK

INDOOR UNIT

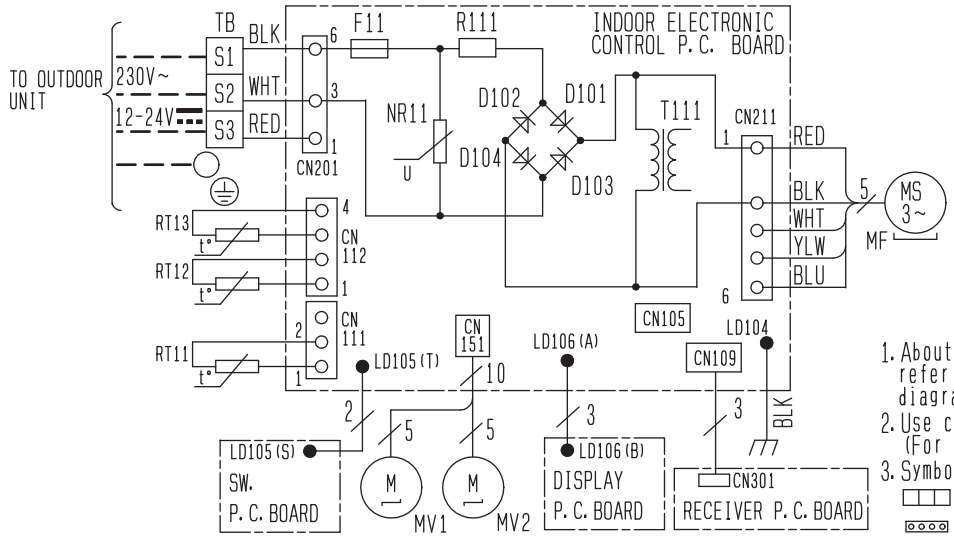


SYMBOL	NAME
F11	FUSE (T3.15AL250V)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
TB	TERMINAL BLOCK
X1	RELAY

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊐⊏⊐ : Terminal block, ⊙⊙⊙⊙ : Connector

MSZ-SF15VA MSZ-SF20VA

INDOOR UNIT

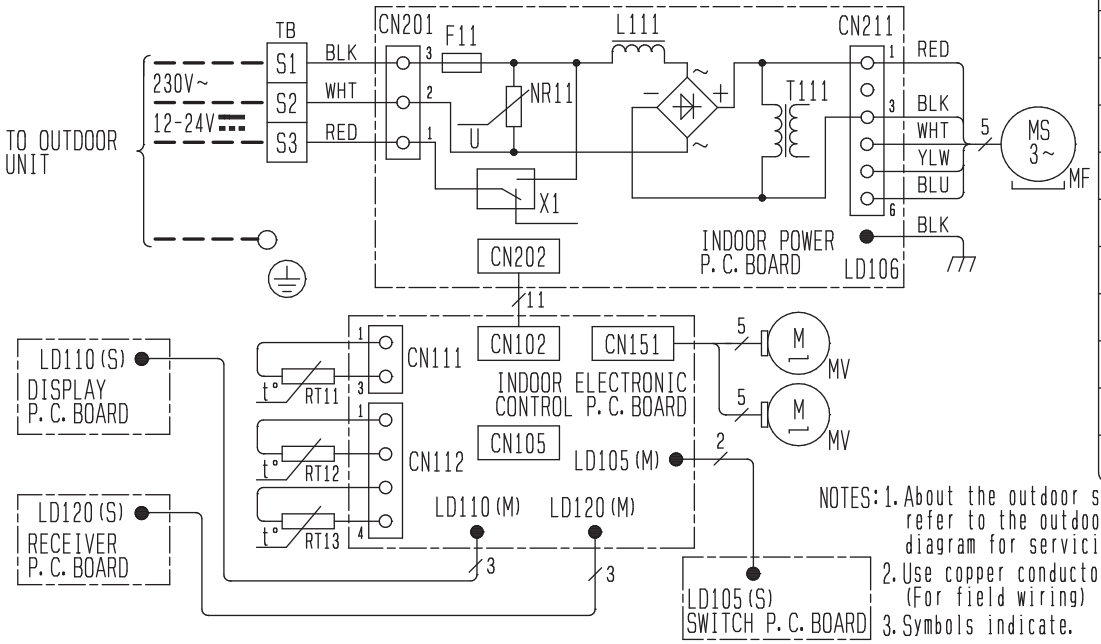


SYMBOL	NAME	SYMBOL	NAME
D101~ D104	DIODE	RT11	ROOM TEMP. THERMISTOR
F11	FUSE (T3.15AL250V)	RT12	COIL TEMP. THERMISTOR (MAIN)
MF	FAN MOTOR	RT13	COIL TEMP. THERMISTOR (SUB)
MV1	VANE MOTOR (HORIZONTAL)	T111	TRANSFORMER
MV2	VANE MOTOR (HORIZONTAL)	TB	TERMINAL BLOCK
NR11	VARISTOR	R111	RESISTOR

1. About the outdoor side electric wiring refer to the outdoor unit electric wiring diagram for servicing.
2. Use copper conductors only. (For field wiring)
3. Symbols below indicate.
   : Terminal block
   : Connector

MSZ-SF25VE3 MSZ-SF42VE3

INDOOR UNIT

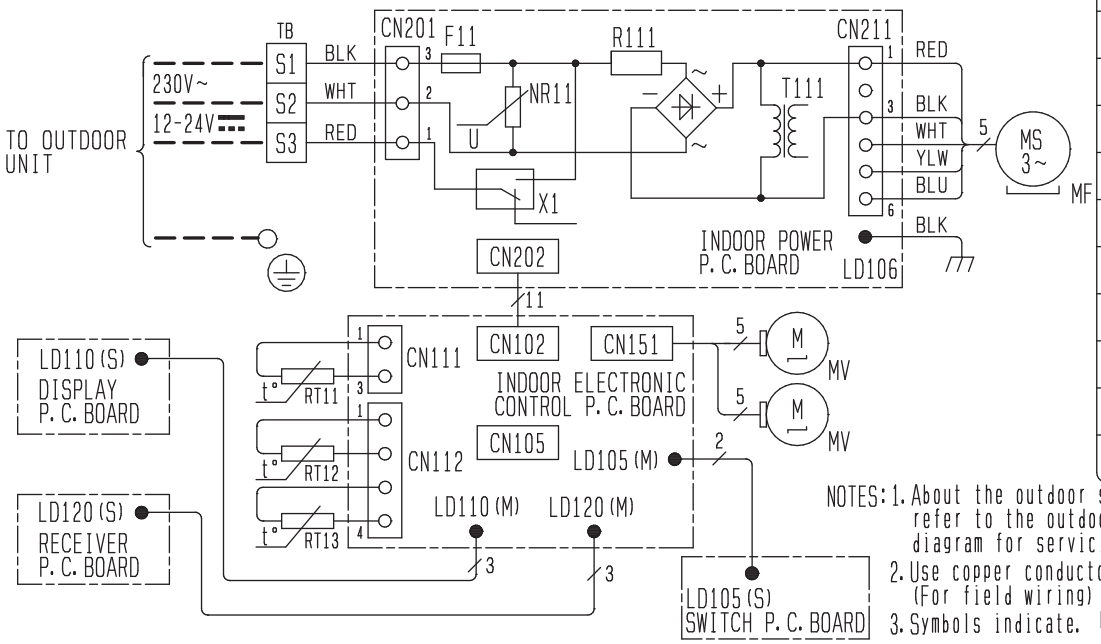


SYMBOL	NAME
F11	FUSE (T3.15AL250V)
L111	REACTOR
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK
X1	RELAY

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper conductors only. (For field wiring)
3. Symbols indicate.
   : Terminal block
   : Connector

MSZ-SF35VE3 MSZ-SF50VE3

INDOOR UNIT

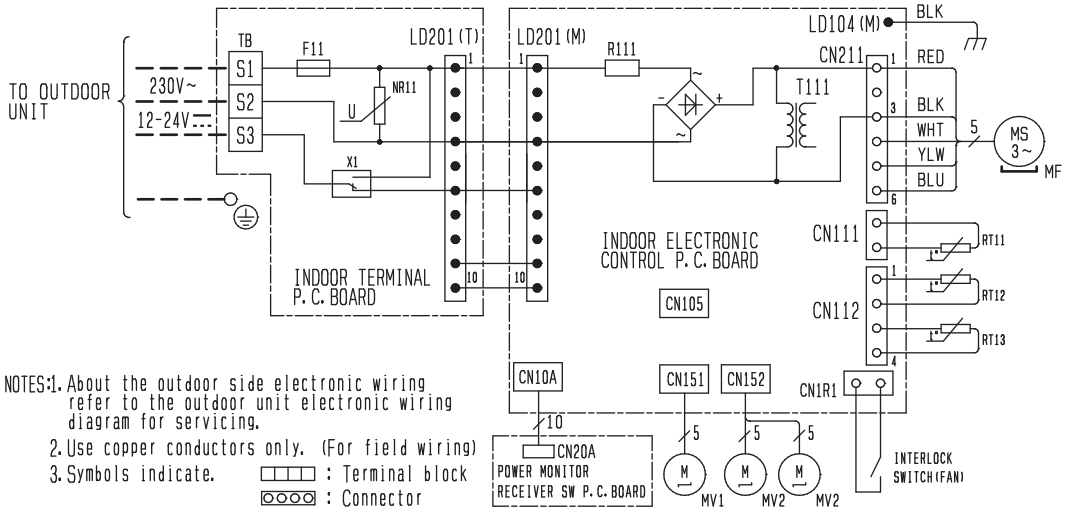


SYMBOL	NAME
F11	FUSE (T3. 15AL250V)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK
X1	RELAY

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper conductors only. (For field wiring)
3. Symbols indicate. : Terminal block : Connector

MSZ-GF60VE2 MSZ-GF71VE2

INDOOR UNIT

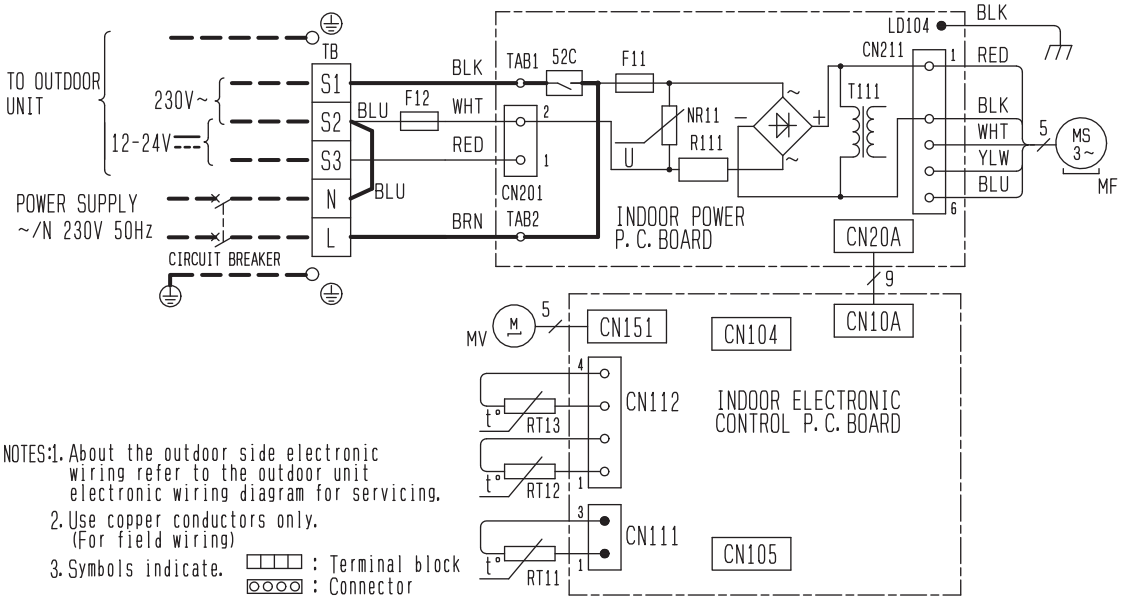


SYMBOL	NAME
F11	FUSE (T3. 15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL)
MV2	VANE MOTOR (VERTICAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK
X1	RELAY

NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper conductors only. (For field wiring)
3. Symbols indicate. : Terminal block : Connector

MSZ-WN25VA MSZ-WN35VA

INDOOR UNIT

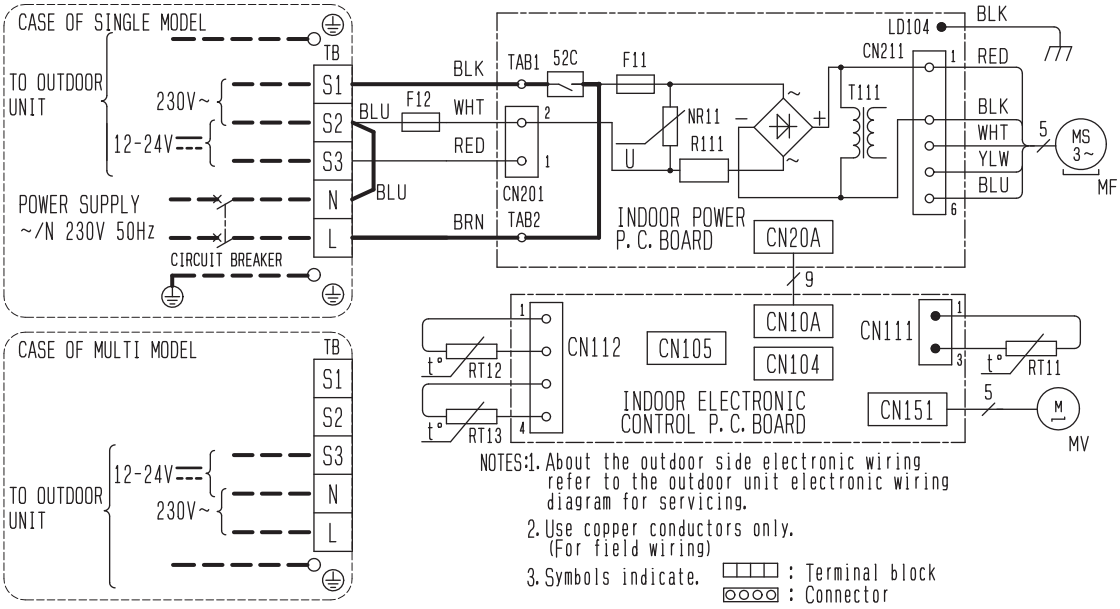


NOTES:1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper conductors only. (For field wiring)
3. Symbols indicate. : Terminal block : Connector

SYMBOL	NAME
F11	FUSE (T3. 15AL250V)
F12	THERMAL FUSE (102℃ 5A)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK
52C	CONTACTOR
TAB1. TAB2	TAB

MSZ-DM25VA MSZ-DM35VA

INDOOR UNIT

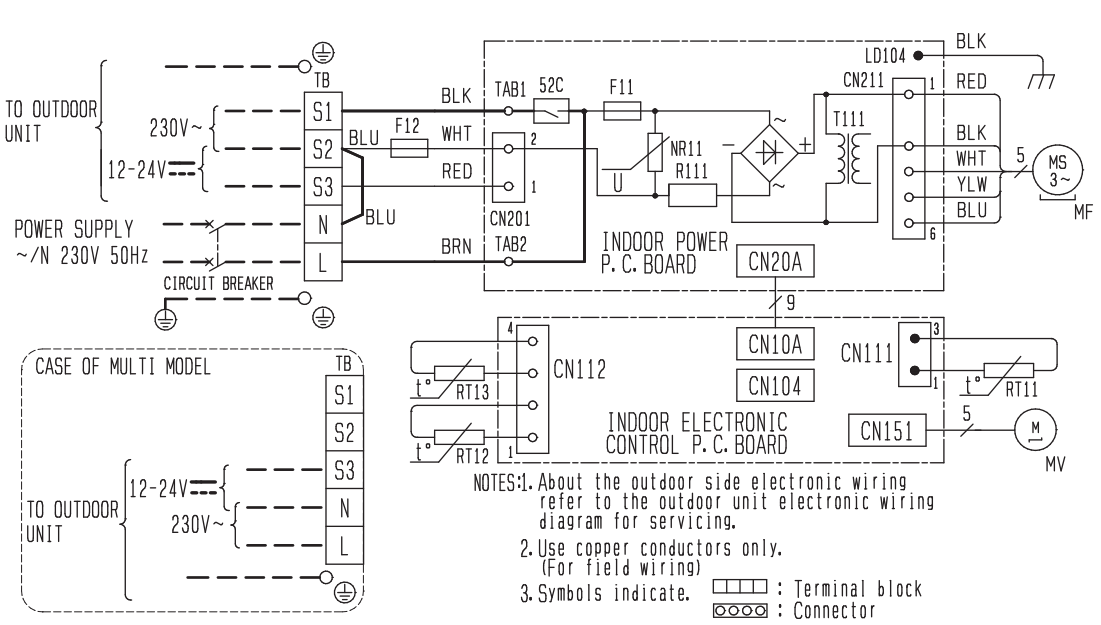


NOTES:1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
2. Use copper conductors only. (For field wiring)
3. Symbols indicate. : Terminal block : Connector

SYMBOL	NAME
F11	FUSE (T3. 15AL250V)
F12	THERMAL FUSE (102℃ 5A)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK
52C	CONTACTOR
TAB1. TAB2	TAB

MSZ-HJ25VA MSZ-HJ35VA MSZ-HJ50VA

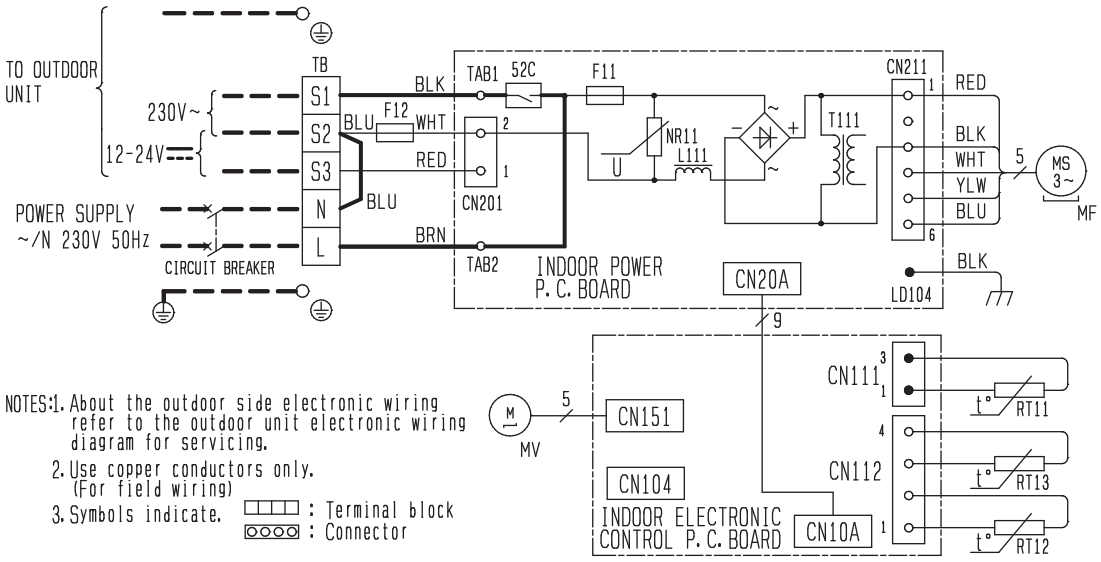
INDOOR UNIT



SYMBOL	NAME
F11	FUSE (T3.15AL250V)
F12	THERMAL FUSE (102℃ 5A)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK
52C	CONTACTOR
TAB1, TAB2	TAB

MSZ-HJ60VA MSZ-HJ71VA

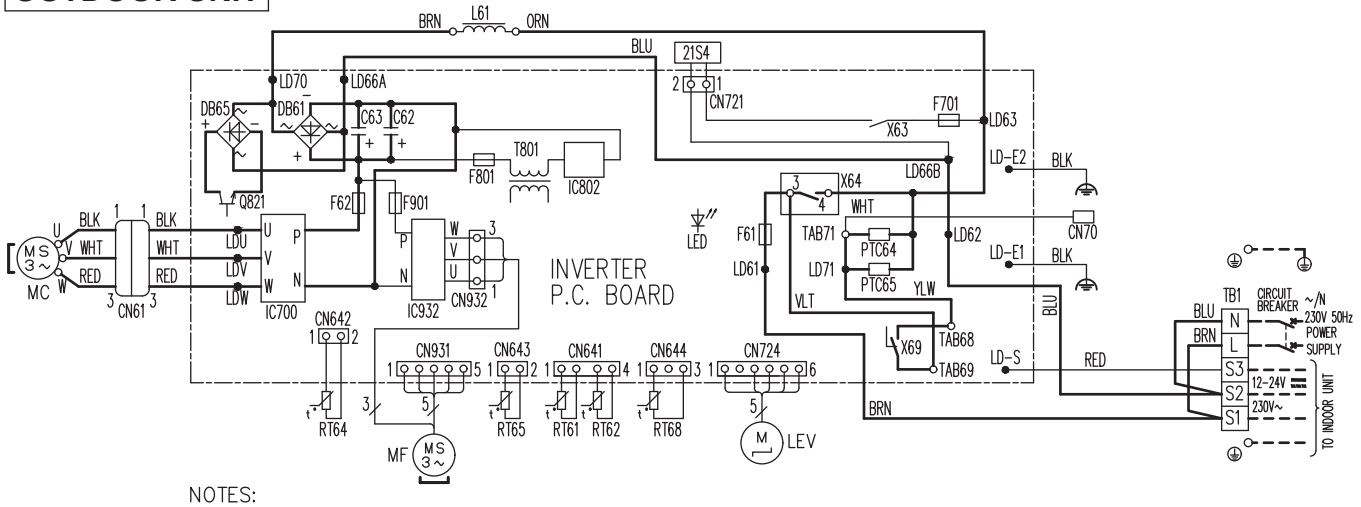
INDOOR UNIT



SYMBOL	NAME
F11	FUSE (T3.15AL250V)
F12	THERMAL FUSE (102℃ 4.5A)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
L111	REACTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK
TAB1, TAB2	TAB
52C	CONTACTOR

C.1.3.2 Outdoor Unit
MUZ-LN25VG2 MUZ-LN35VG2

OUTDOOR UNIT

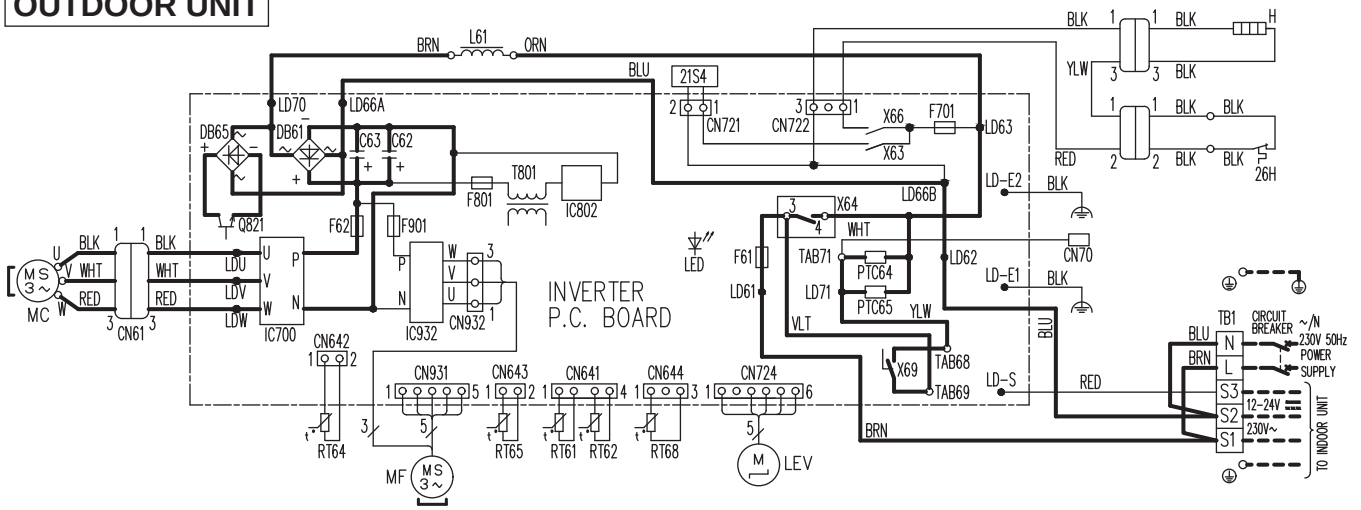


NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□□ : Terminal block
   ○○○○○ : Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (25A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F62	FUSE (15A 250V)	PTC64,PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
F701,F801,F901	FUSE (T3.15AL250V)	Q821	SWITCHING POWER TRANSISTOR	X63,X64,X69	RELAY
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR		
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUZ-LN25VGHZ2

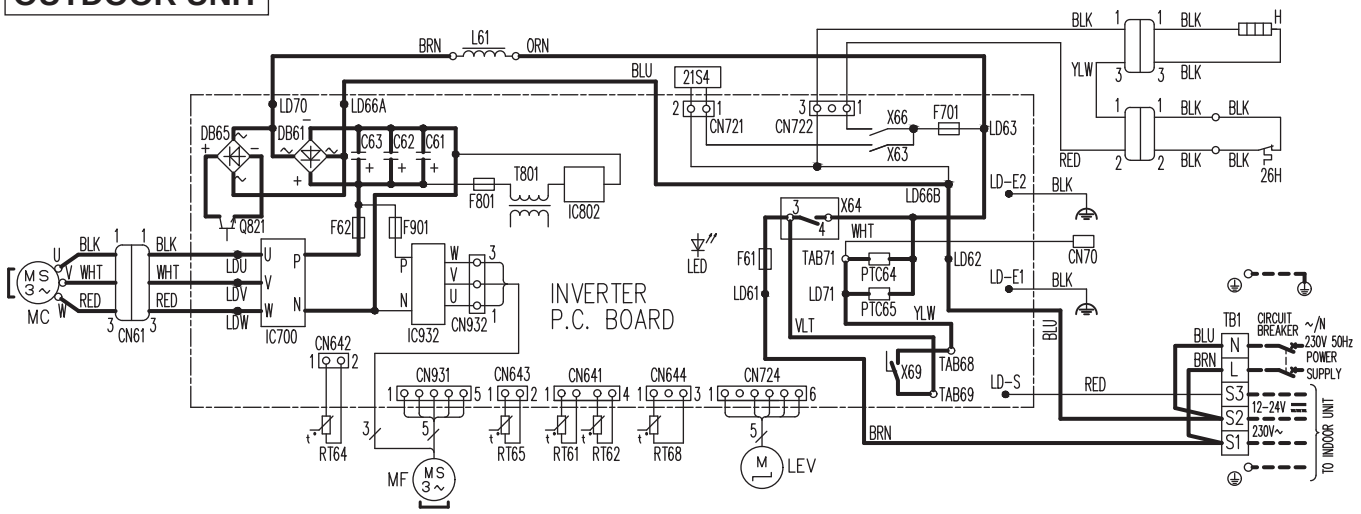
OUTDOOR UNIT



NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□□ : Terminal block
   ○○○○○ : Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LED	LED	RT64	FIN TEMP. THERMISTOR
C62,C63	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F61	FUSE (25A 250V)	MC	COMPRESSOR		
F62	FUSE (15A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F701,F801,F901	FUSE (T3.15AL250V)	PTC64,PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
H	DEFROST HEATER	Q821	SWITCHING POWER TRANSISTOR	X63,X64,X66,X69	RELAY
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR

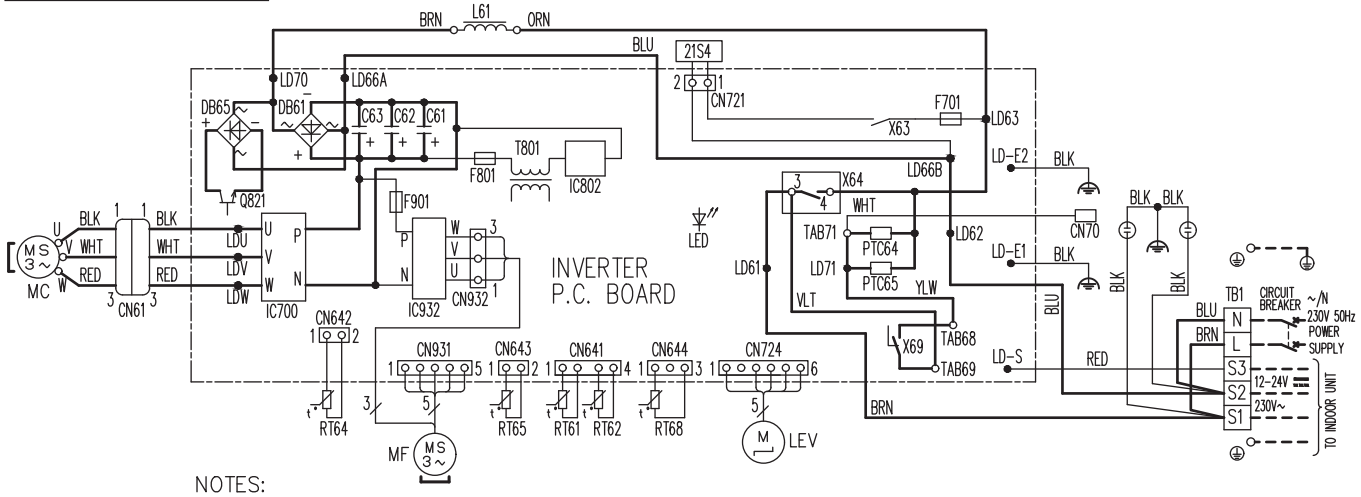
MUZ-LN35VGHZ2
OUTDOOR UNIT



NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□□ : Terminal block
   ⬭⬭⬭⬭⬭ : Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LED	LED	RT64	FIN TEMP. THERMISTOR
C61, C62, C63	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F61	FUSE (25A 250V)	MC	COMPRESSOR		
F62	FUSE (15A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F701, F801, F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
H	DEFROST HEATER	Q821	SWITCHING POWER TRANSISTOR	X63, X64, X66, X69	RELAY
IC700, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR

MUZ-LN50VG2
OUTDOOR UNIT

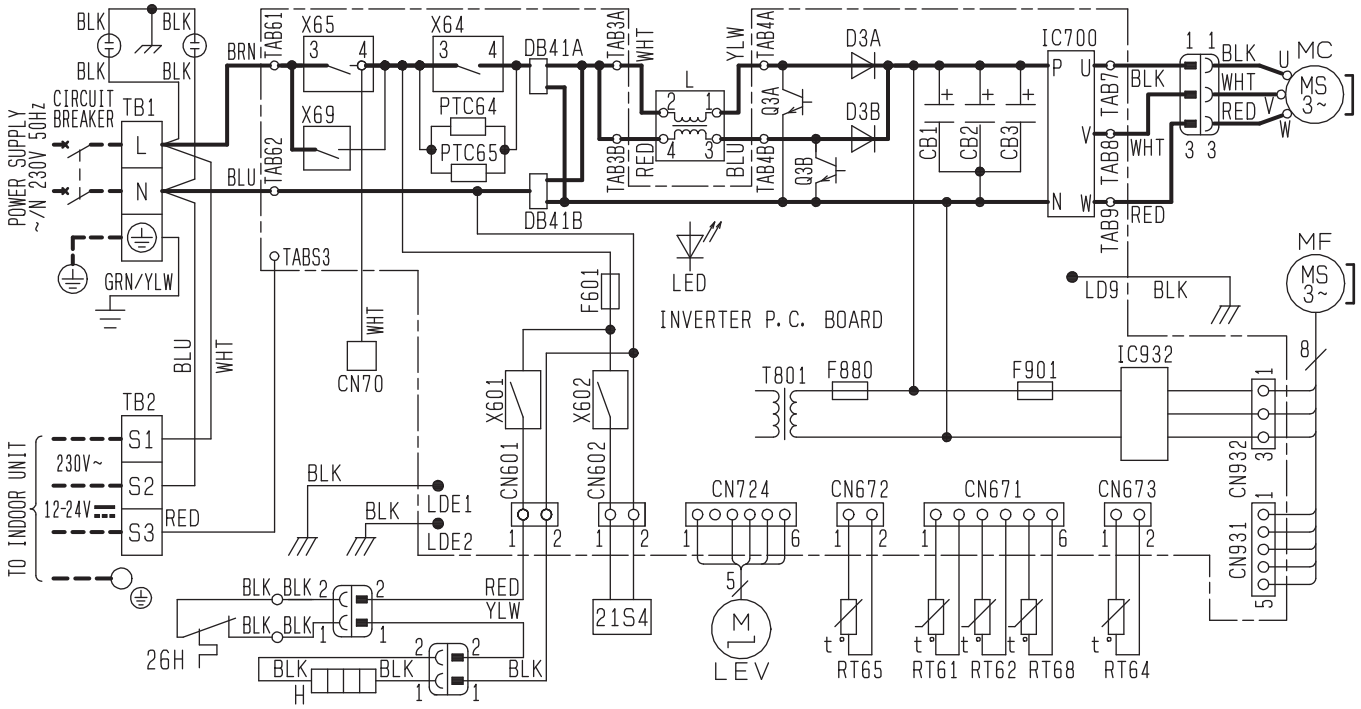


NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□□ : Terminal block
   ⬭⬭⬭⬭⬭ : Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	L61	REACTOR	RT65	AMBIENT TEMP. THERMISTOR
C61, C62, C63	SMOOTHING CAPACITOR	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	MF	FAN MOTOR		
F701, F801, F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION	TB1	TERMINAL BLOCK
IC700, IC932	POWER MODULE	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC802	POWER DEVICE	RT61	DEFROST THERMISTOR	X63, X64, X69	RELAY
LED	LED	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LEV	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR		

MUZ-LN50VGHZ

OUTDOOR UNIT

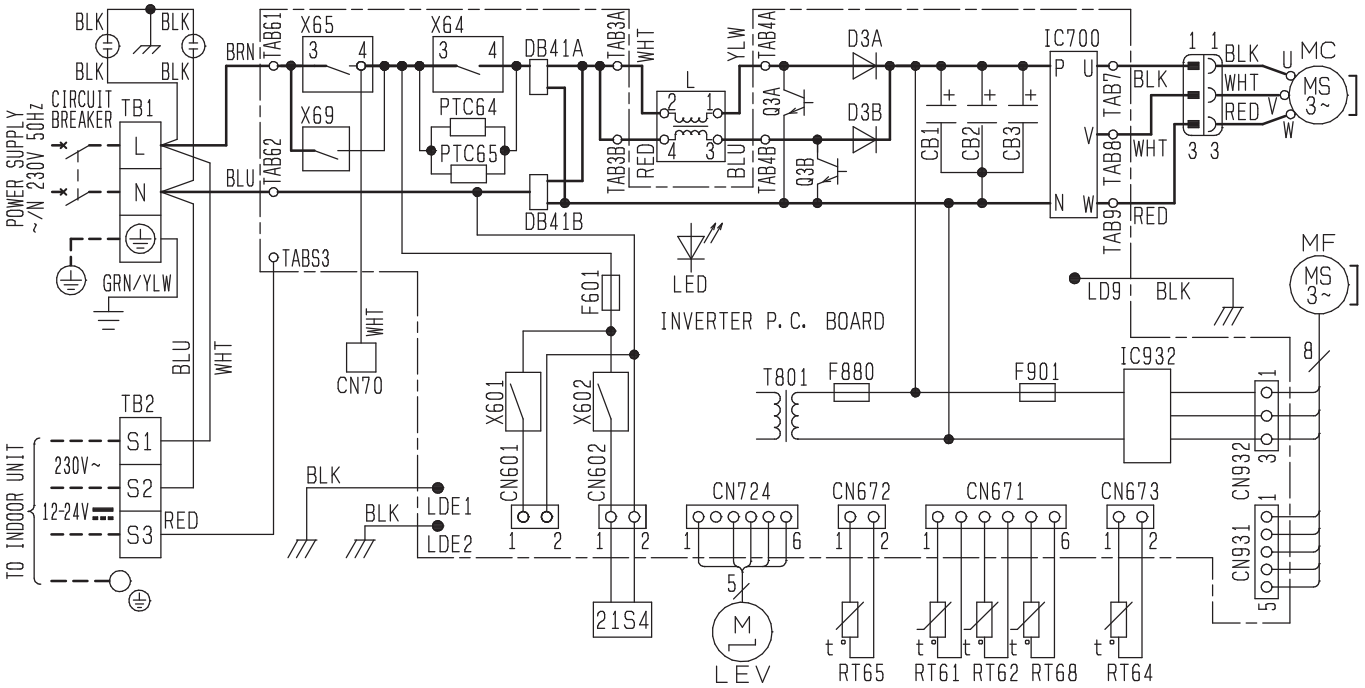


SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1, CB2, CB3	SMOOTHING CAPACITOR	IC700, IC932	POWER MODULE	Q3A, Q3B	SWITCHING POWER TRANSISTOR	TB1, TB2	TERMINAL BLOCK
DB41A, DB41B	DIODE MODULE	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
D3A, D3B	DIODE	LED	LED	RT62	DISCHARGE TEMP. THERMISTOR	X64, X65, X69	RELAY
F601	FUSE (T3.15AL250V)	LEV	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR	X601, X602	RELAY
F880	FUSE (T3.15AL250V)	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
F901	FUSE (T3.15AL250V)	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR	26H	HEATER PROTECTOR
H	DEFROST HEATER	PTC64, PTC65	CIRCUIT PROTECTION				

NOTES 1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires. 3. Symbols indicate, □□□ :Terminal block ○○○ :Connector

MUZ-LN60VG

OUTDOOR UNIT

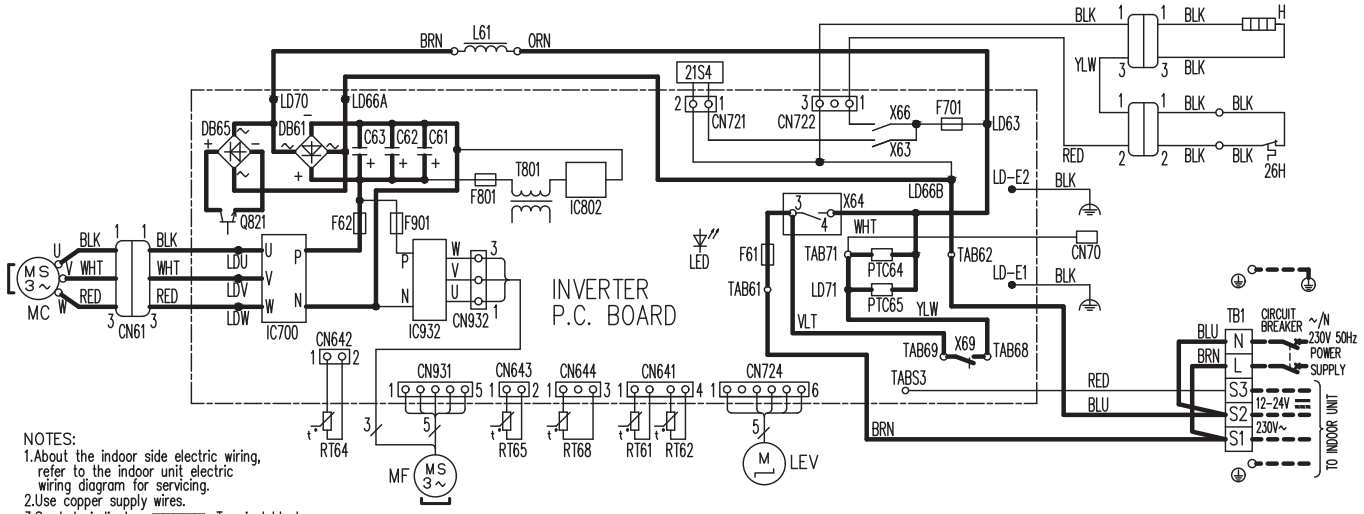


SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1, CB2, CB3	SMOOTHING CAPACITOR	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
DB41A, DB41B	DIODE MODULE	LED	LED	RT62	DISCHARGE TEMP. THERMISTOR	X64, X65, X69	RELAY
D3A, D3B	DIODE	LEV	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR	X601, X602	RELAY
F601	FUSE(T3.15AL250V)	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
F880	FUSE(T3.15AL250V)	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR		
F901	FUSE(T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION				
IC700, IC932	POWER MODULE	Q3A, Q3B	SWITCHING POWER TRANSISTOR	TB1, TB2	TERMINAL BLOCK		

NOTES 1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires. 3. Symbols indicate, □□□ :Terminal block ⊙⊙⊙ :Connector

MUZ-FT25VGHZ MUZ-FT35VGHZ

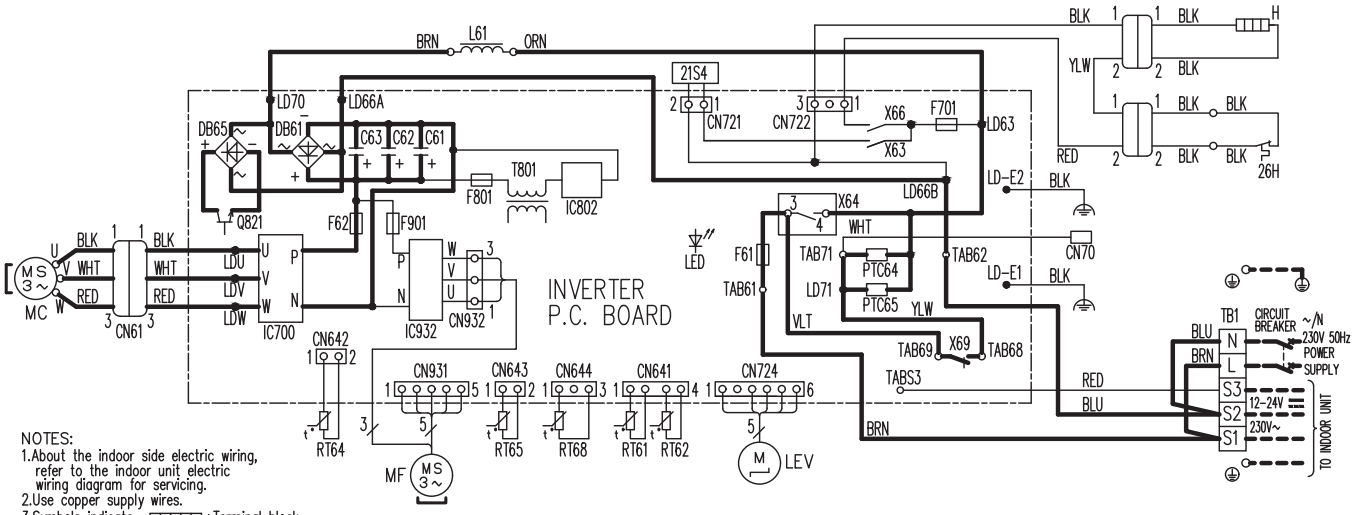
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LED	LED	RT64	FIN TEMP. THERMISTOR
C61, C62, C63	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F61	FUSE (25A 250V)	MC	COMPRESSOR		
F62	FUSE (15A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F701, F801, F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
H	DEFROST HEATER	Q821	SWITCHING POWER TRANSISTOR	X63, X64, X66, X69	RELAY
IC700, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR

MUZ-FT50VGHZ

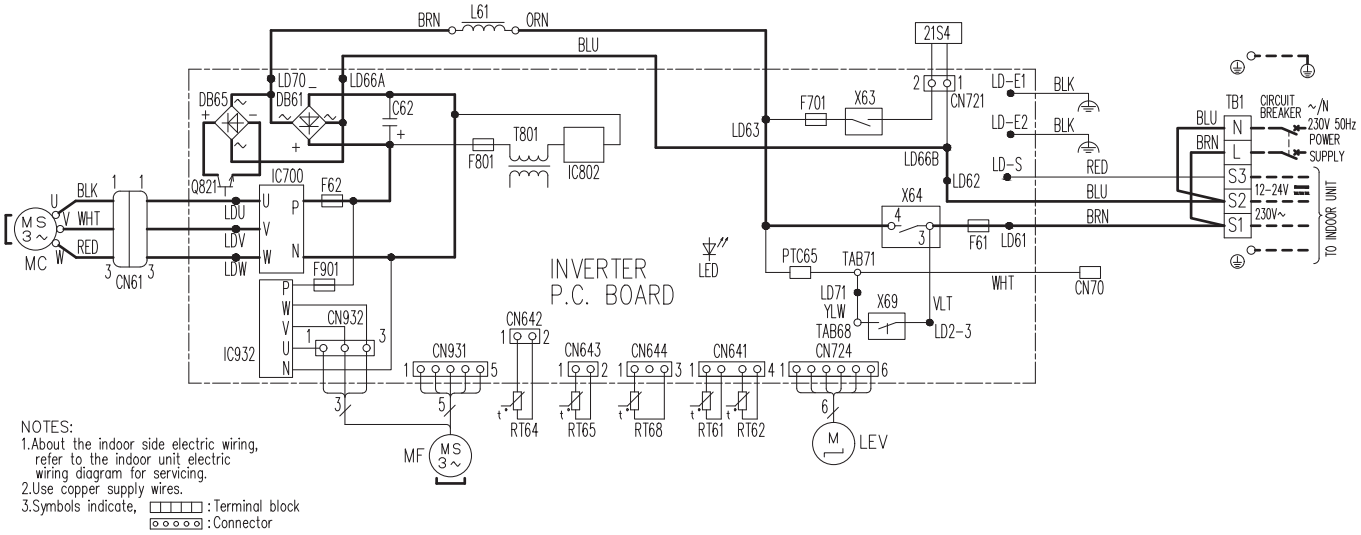
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LED	LED	RT64	FIN TEMP. THERMISTOR
C61, C62, C63	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F61	FUSE (25A 250V)	MC	COMPRESSOR		
F62	FUSE (15A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F701, F801, F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
H	DEFROST HEATER	Q821	SWITCHING POWER TRANSISTOR	X63, X64, X66, X69	RELAY
IC700, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR

MUZ-AP15VG

OUTDOOR UNIT

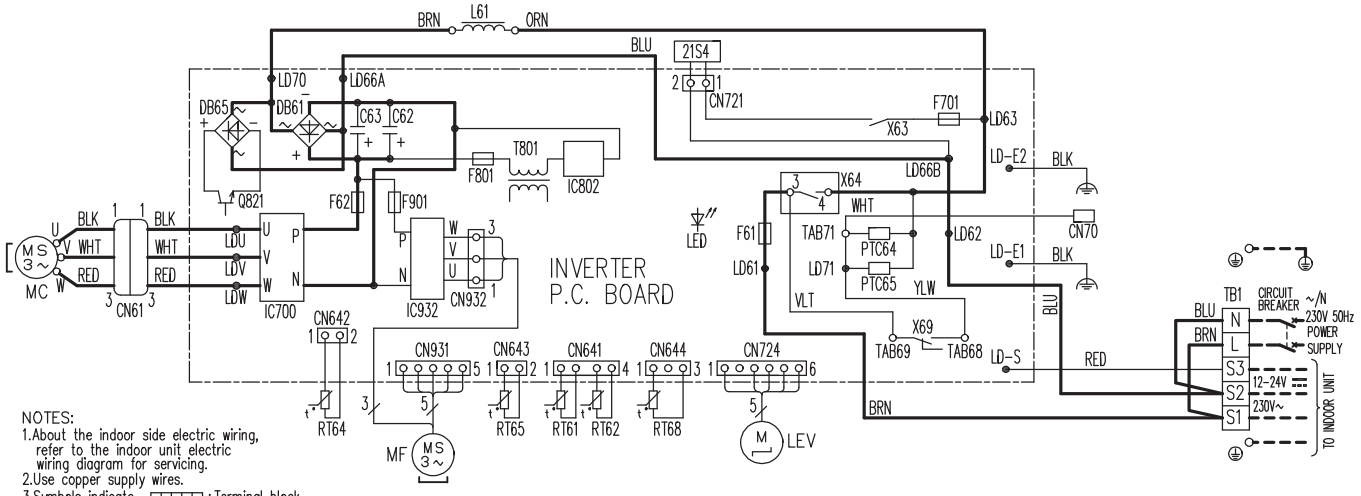


NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, : Terminal block, : Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR
C62	SMOOTHING CAPACITOR	L61	REACTOR	RT65	AMBIENT TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F61, F62	FUSE (15A 250V)	MF	FAN MOTOR		
F701, F801, F901	FUSE (T3.15AL250V)	PTC65	CIRCUIT PROTECTION	TB1	TERMINAL BLOCK
IC700, IC932	POWER MODULE	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC802	POWER DEVICE	RT61	DEFROST THERMISTOR	X63, X64, X69	RELAY
LED	LED	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL

MUZ-AP20VG

OUTDOOR UNIT

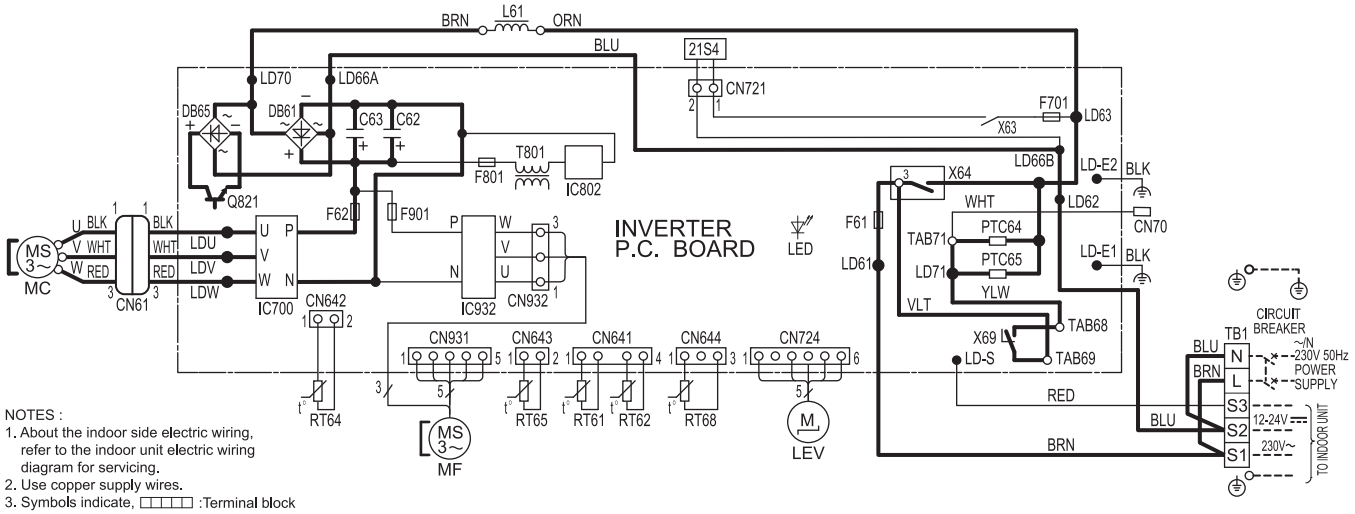


NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, : Terminal block, : Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (25A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F62	FUSE (15A 250V)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
F701, F801, F901	FUSE (T3.15AL250V)	Q821	SWITCHING POWER TRANSISTOR	X63, X64, X69	RELAY
IC700, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR		
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUZ-AP25VG MUZ-AP35VG

OUTDOOR UNIT

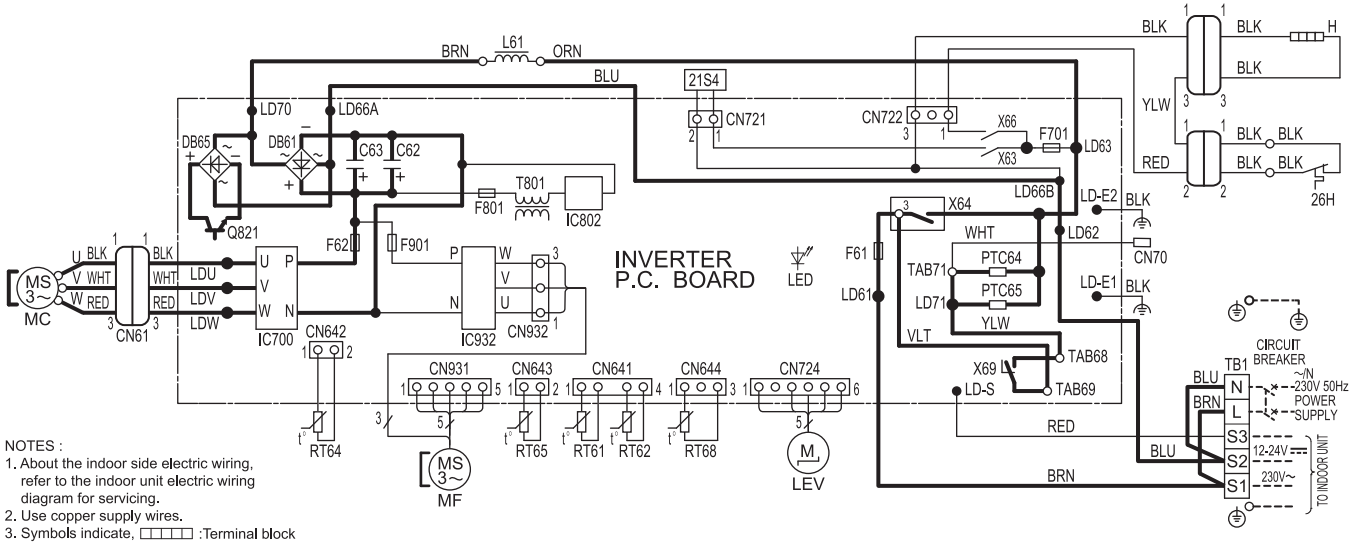


NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ▭▭▭ :Terminal block
   ⬭⬭⬭ :Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (25A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F62	FUSE (15A 250V)	PTC64,PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
F701,F801,F901	FUSE (T3. 15AL250V)	Q821	SWITCHING POWER TRANSISTOR	X63,X64,X69	RELAY
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR		
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUZ-AP25VGH MUZ-AP35VGH

OUTDOOR UNIT

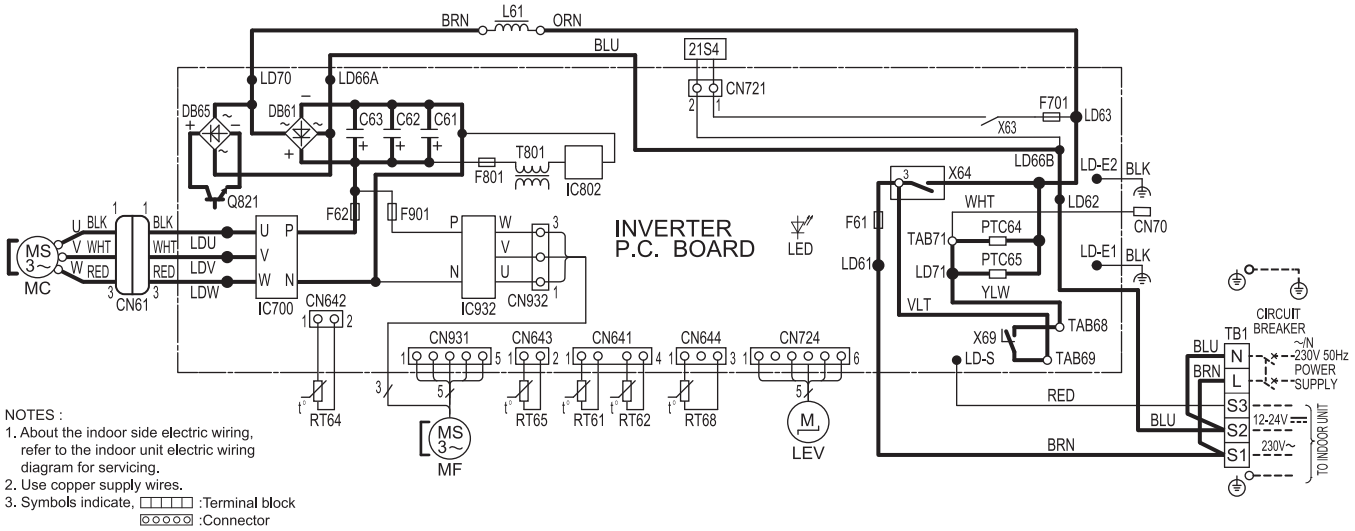


NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ▭▭▭ :Terminal block
   ⬭⬭⬭ :Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LED	LED	RT64	FIN TEMP. THERMISTOR
C62,C63	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F61	FUSE (25A 250V)	MC	COMPRESSOR		
F62	FUSE (15A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F701,F801,F901	FUSE (T3. 15AL250V)	PTC64,PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
H	DEFROST HEATER	Q821	SWITCHING POWER TRANSISTOR	X63,X64,X66,X69	RELAY
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR

MUZ-AP42VG

OUTDOOR UNIT

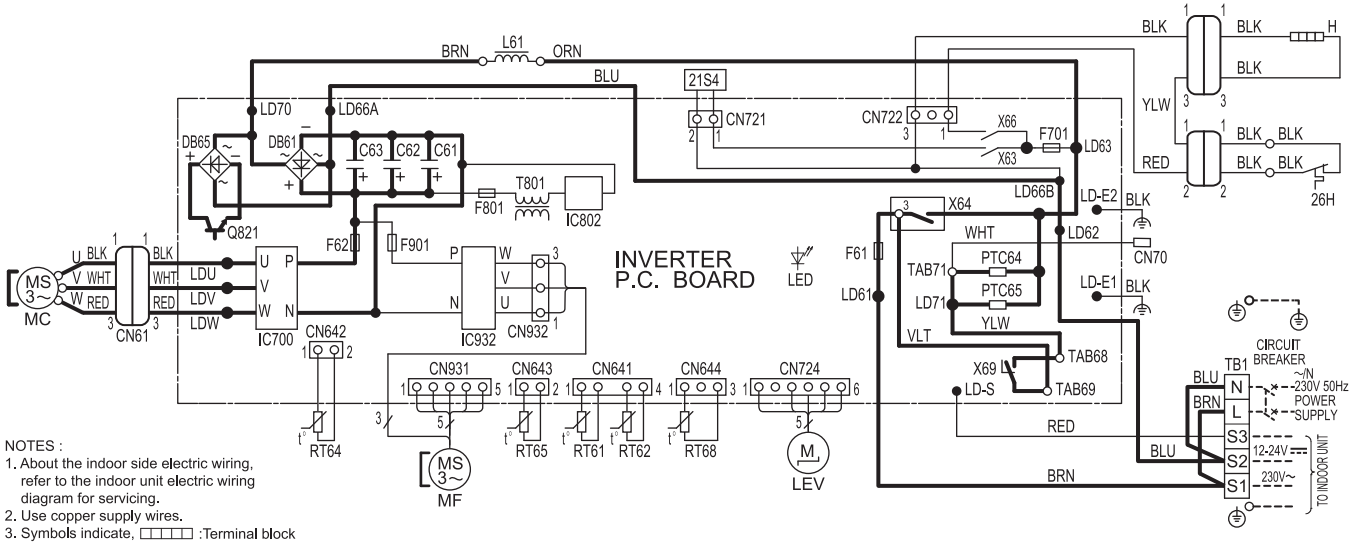


NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ▭▭▭ :Terminal block
   ⬭⬭⬭ :Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (25A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F62	FUSE (15A 250V)	PTC64,PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
F701,F801,F901	FUSE (T3. 15AL250V)	Q821	SWITCHING POWER TRANSISTOR	X63,X64,X69	RELAY
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR		
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUZ-AP42VGH

OUTDOOR UNIT

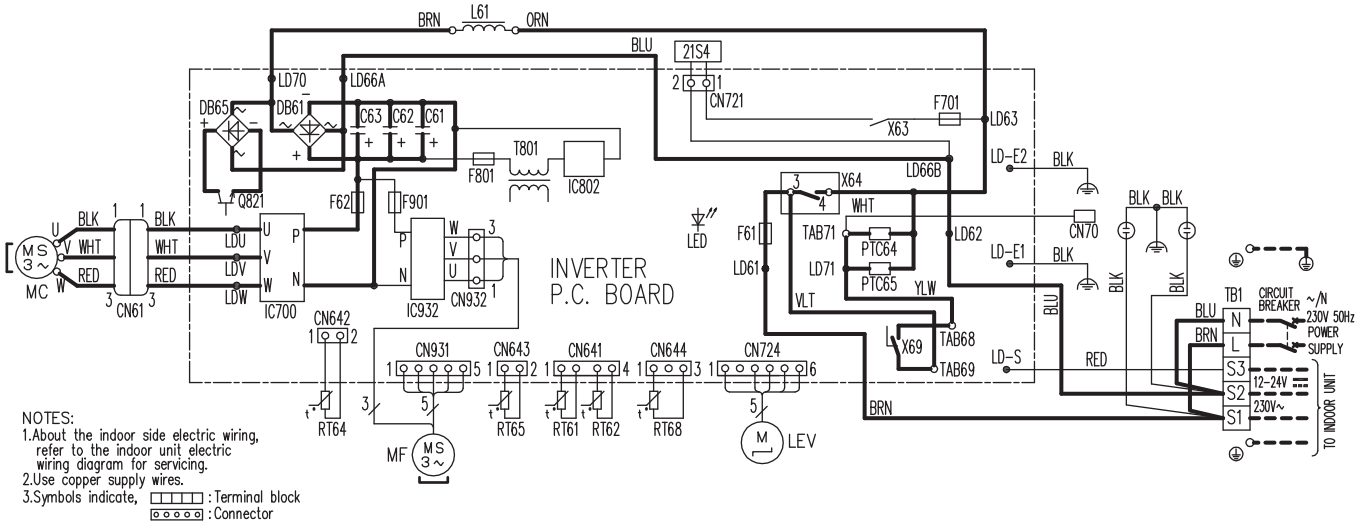


NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ▭▭▭ :Terminal block
   ⬭⬭⬭ :Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LED	LED	RT64	FIN TEMP. THERMISTOR
C61,C62,C63	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F61	FUSE (25A 250V)	MC	COMPRESSOR		
F62	FUSE (15A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F701,F801,F901	FUSE (T3. 15AL250V)	PTC64,PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
H	DEFROST HEATER	Q821	SWITCHING POWER TRANSISTOR	X63,X64,X66,X69	RELAY
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR

MUZ-AP50VG

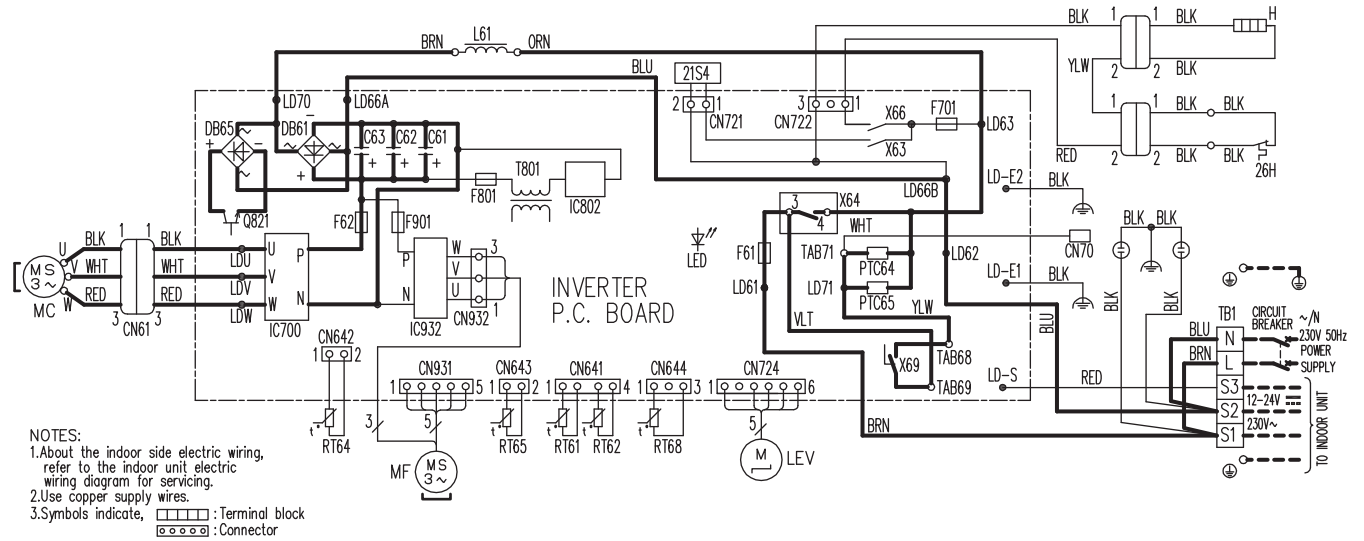
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (25A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F62	FUSE (15A 250V)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
F701, F801, F901	FUSE (T3.15AL250V)	Q821	SWITCHING POWER TRANSISTOR	X63, X64, X69	RELAY
IC700, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR		
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUZ-AP50VGH

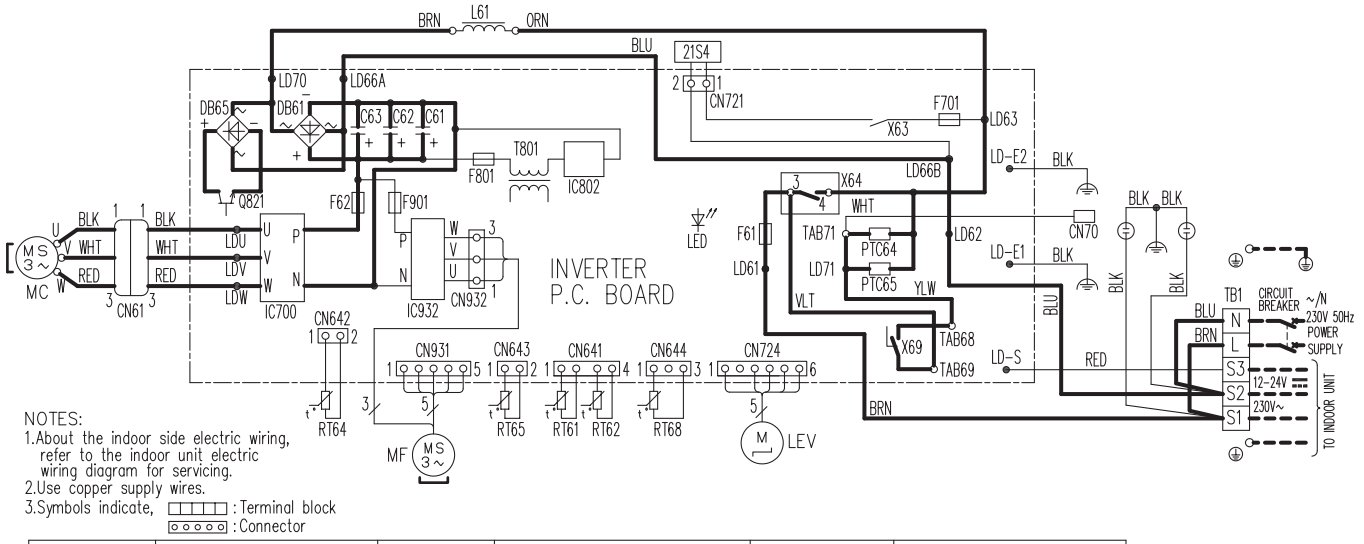
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LED	LED	RT64	FIN TEMP. THERMISTOR
C61, C62, C63	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F61	FUSE (25A 250V)	MC	COMPRESSOR		
F62	FUSE (15A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F701, F801, F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
H	DEFROST HEATER	Q821	SWITCHING POWER TRANSISTOR	X63, X64, X66, X69	RELAY
IC700, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR

MUZ-AP60VG

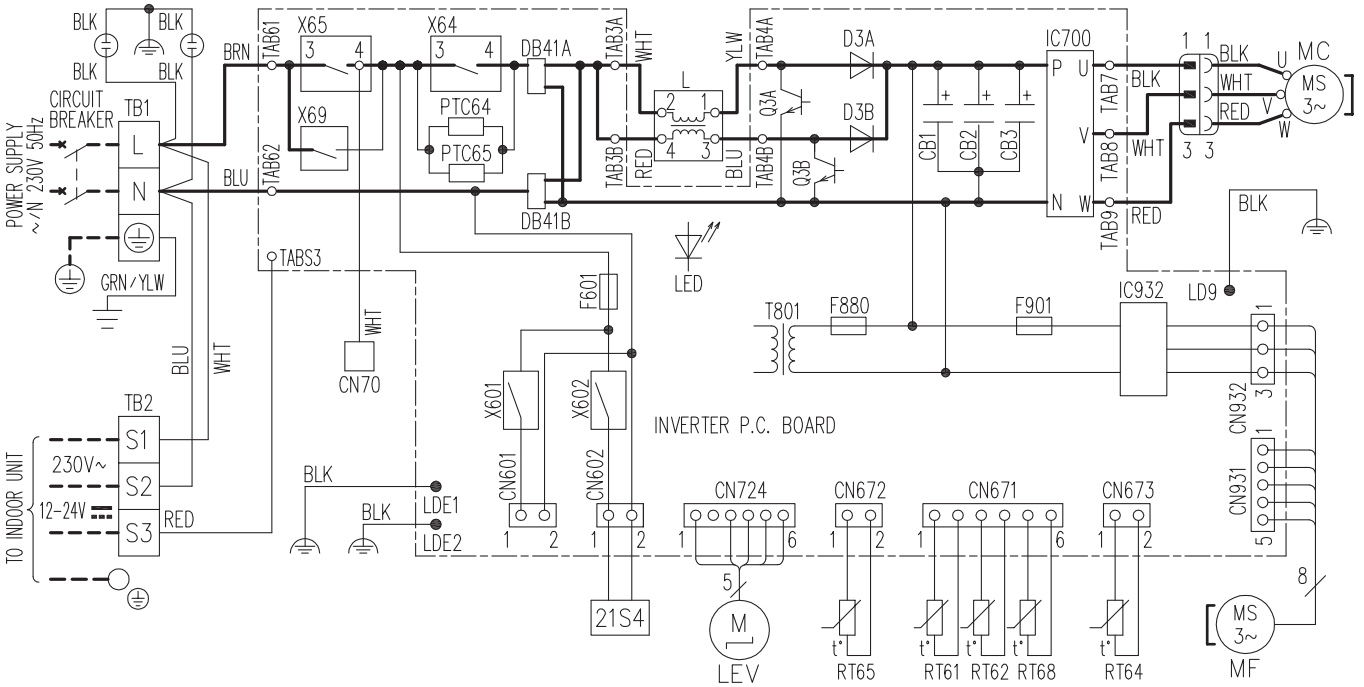
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (25A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F62	FUSE (15A 250V)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
F701, F801, F901	FUSE (T3.15AL250V)	Q821	SWITCHING POWER TRANSISTOR	X63, X64, X69	RELAY
IC700, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR		
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUZ-AP71VG

OUTDOOR UNIT

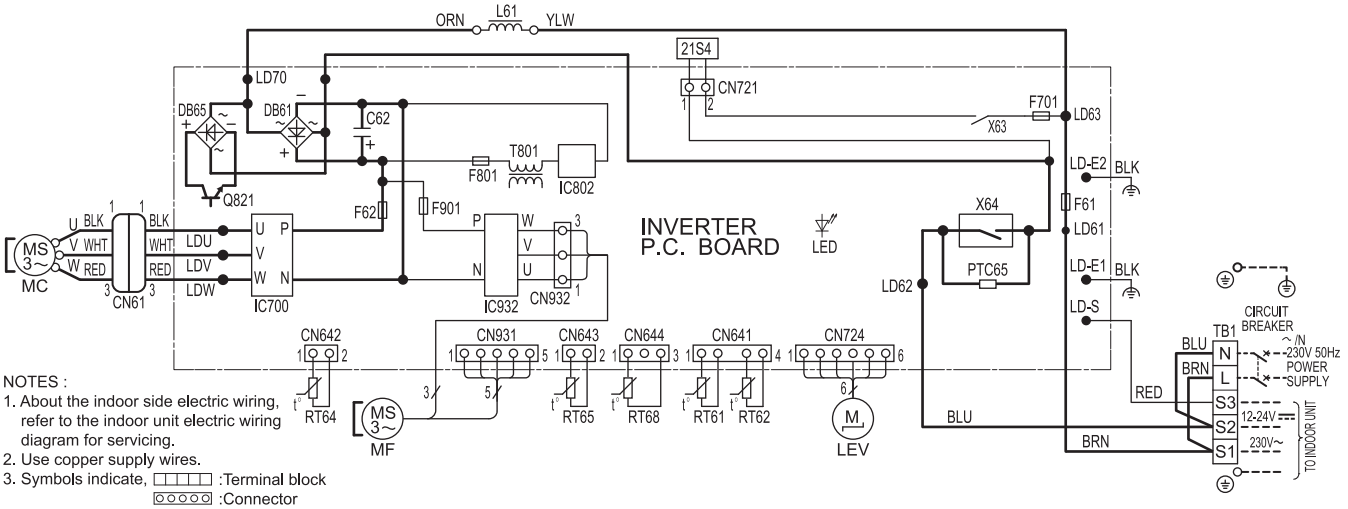


SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1, CB2, CB3	SMOOTHING CAPACITOR	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
DB41A, DB41B	DIODE MODULE	LED	LED	RT62	DISCHARGE TEMP.THERMISTOR	X64, X65, X69	RELAY
D3A, D3B	DIODE	LEV	EXPANSION VALVE COIL	RT64	FIN TEMP.THERMISTOR	X601, X602	RELAY
F601	FUSE (T3.15AL250V)	MC	COMPRESSOR	RT65	AMBIENT TEMP.THERMISTOR	21S4	REVERSING VALVE COIL
F880	FUSE (T3.15AL250V)	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP.THERMISTOR		
F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION				
IC700, IC932	POWER MODULE	Q3A, Q3B	SWITCHING POWER TRANSISTOR	TB1, TB2	TERMINAL BLOCK		

NOTES 1.About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2.Use copper supply wires. 3.Symbols indicate, : Terminal block : Connector

MUZ-HR25VF MUZ-HR35VF

OUTDOOR UNIT

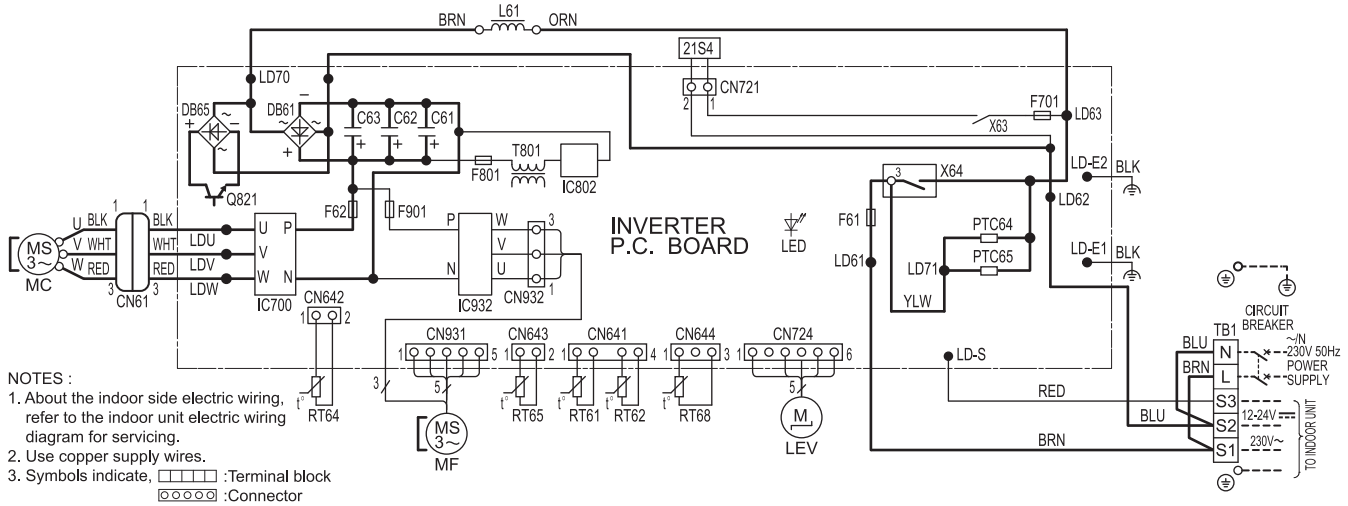


NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□□ :Terminal block
   ⬭⬭⬭⬭⬭ :Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR
C62	SMOOTHING CAPACITOR	L61	REACTOR	RT65	AMBIENT TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F61,F62	FUSE (15A 250V)	MF	FAN MOTOR		
F701,F801,F901	FUSE (T3. 15AL250V)	PTC65	CIRCUIT PROTECTION	TB1	TERMINAL BLOCK
IC700,IC932	POWER MODULE	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC802	POWER DEVICE	RT61	DEFROST THERMISTOR	X63,X64	RELAY
LED	LED	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL

MUZ-HR42VF MUZ-HR50VF

OUTDOOR UNIT

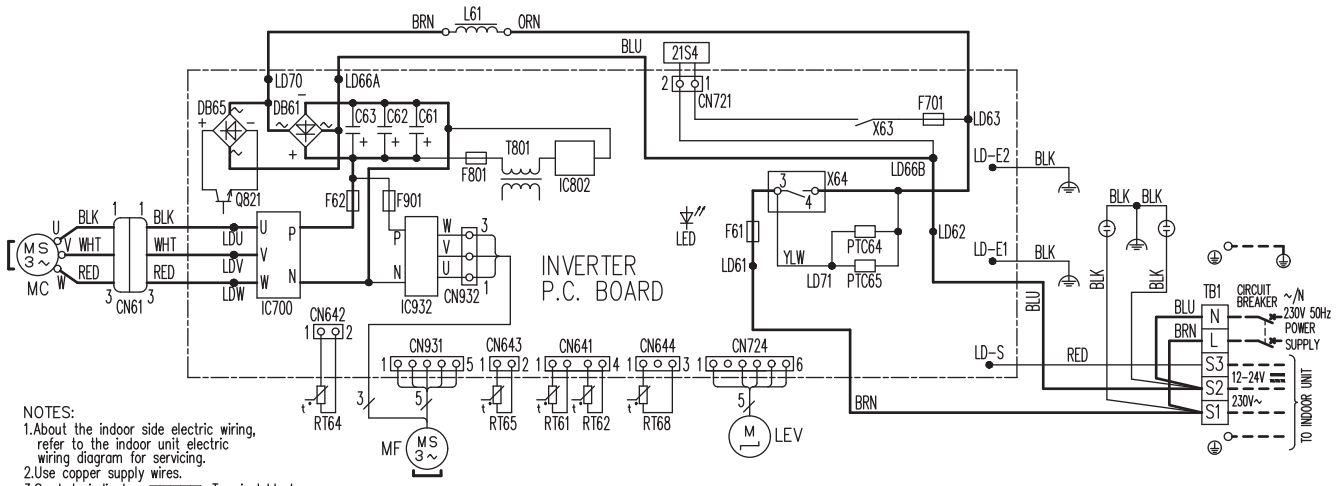


NOTES :
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□□ :Terminal block
   ⬭⬭⬭⬭⬭ :Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (25A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F62	FUSE (15A 250V)	PTC64,PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
F701,F801,F901	FUSE (T3. 15AL250V)	Q821	SWITCHING POWER TRANSISTOR	X63,X64	RELAY
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR		
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUZ-HR60VF MUZ-HR71VF

OUTDOOR UNIT

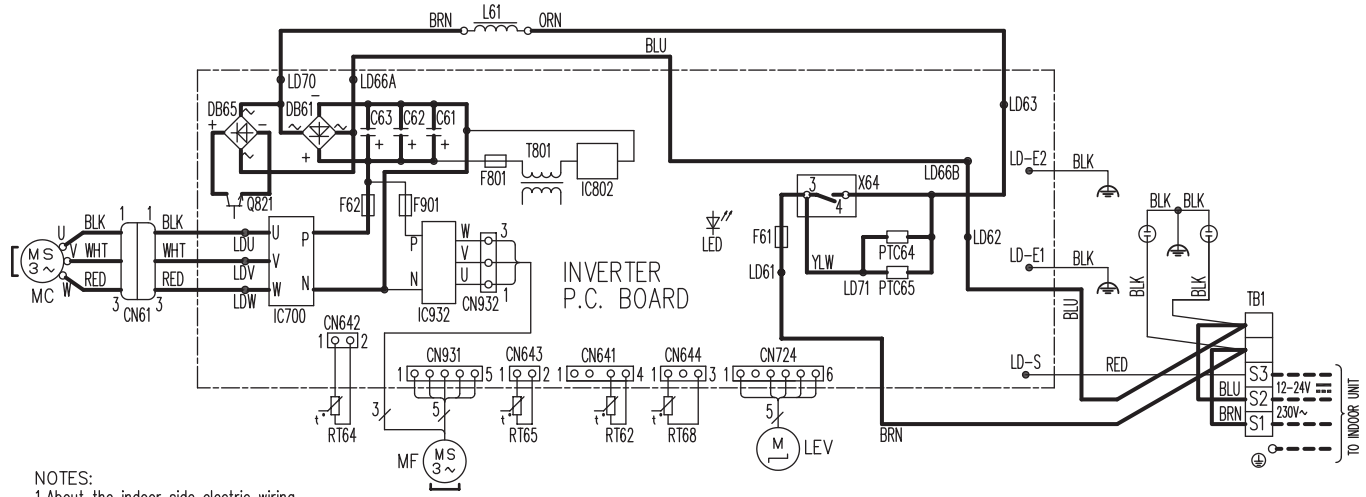


NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊏⊏⊐ : Terminal block, ⊏○○○○⊐ : Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (25A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F62	FUSE (15A 250V)	PTC64,PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
F701,F801,F901	FUSE (T3.15AL250V)	Q821	SWITCHING POWER TRANSISTOR	X63,X64	RELAY
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR		
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUY-TP35VF MUY-TP50VF

OUTDOOR UNIT

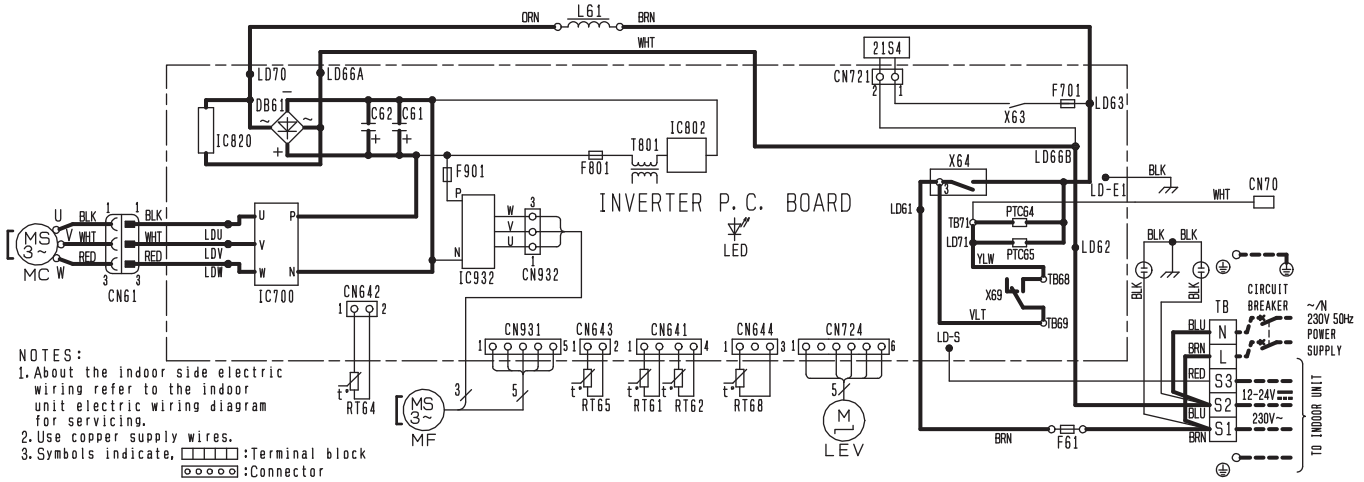


NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊏⊏⊐ : Terminal block, ⊏○○○○⊐ : Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LED	LED	RT64	FIN TEMP. THERMISTOR
C61,C62,C63	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F61	FUSE (25A 250V)	MC	COMPRESSOR		
F62	FUSE (15A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F801,F901	FUSE (T3.15AL250V)	PTC64,PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700,IC932	POWER MODULE	Q821	SWITCHING POWER TRANSISTOR	X64	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR		

MUZ-FH25VE MUZ-FH35VE

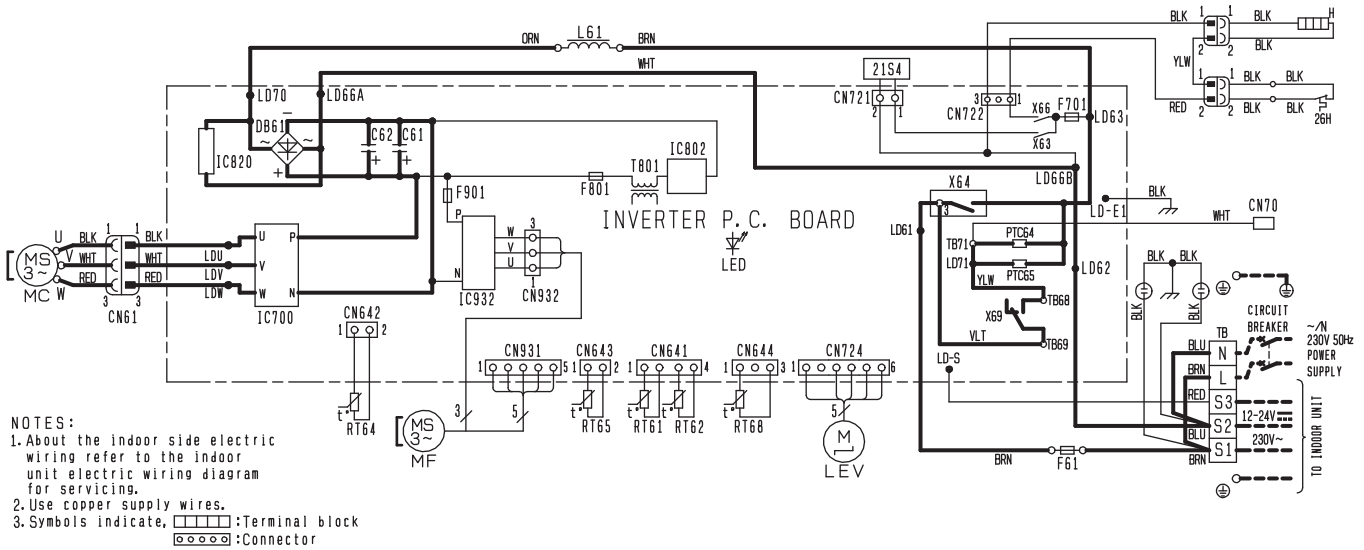
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN70	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61, C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (T20AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
F701, F801, F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700, IC820, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X69	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUZ-FH25VEHZ MUZ-FH35VEHZ

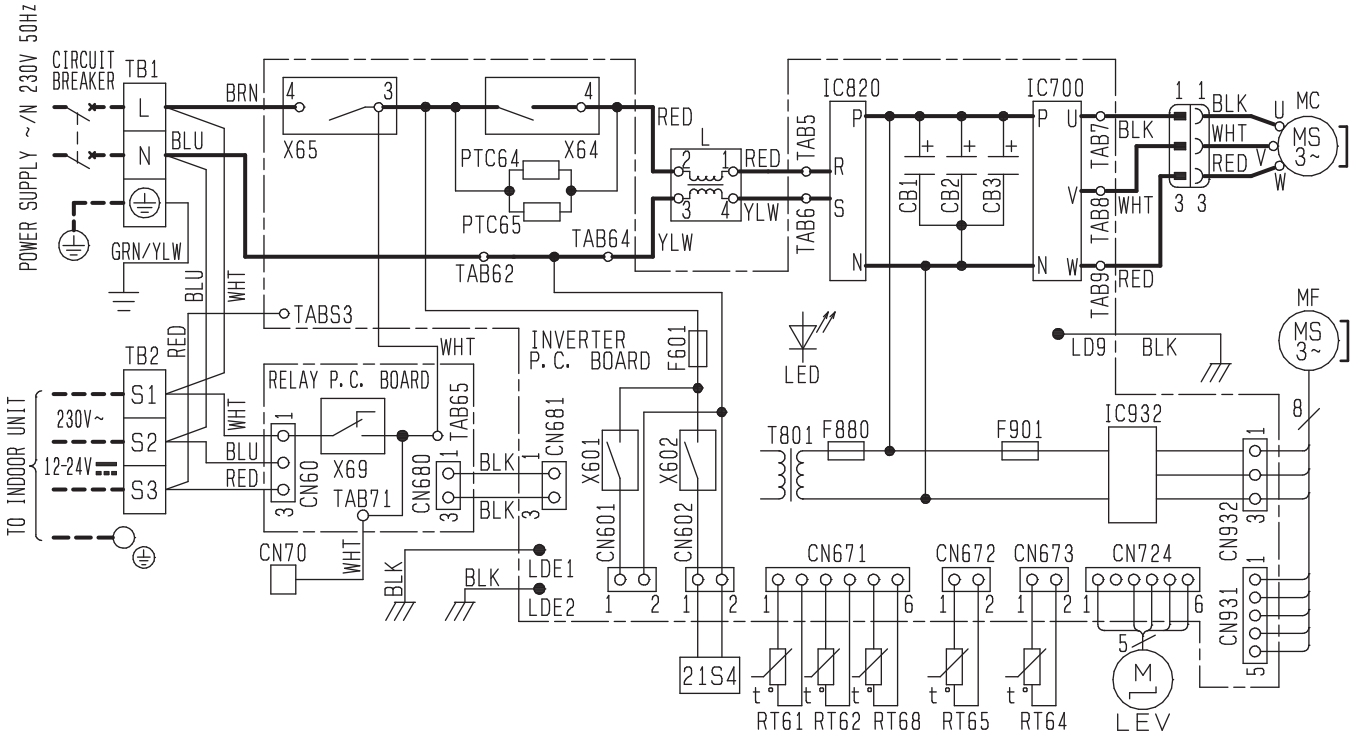
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN70	CONNECTOR	LEV	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
C61, C62	SMOOTHING CAPACITOR	L61	REACTOR		
DB61	DIODE MODULE	MC	COMPRESSOR	TB	TERMINAL BLOCK
F61	FUSE (T20AL250V)	MF	FAN MOTOR	T801	TRANSFORMER
F701, F801, F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION	X63, X64	RELAY
H	DEFROST HEATER	RT61	DEFROST THERMISTOR	X66, X69	
IC700, IC820, IC932	POWER MODULE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
LED	LED	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-FH50VE

OUTDOOR UNIT

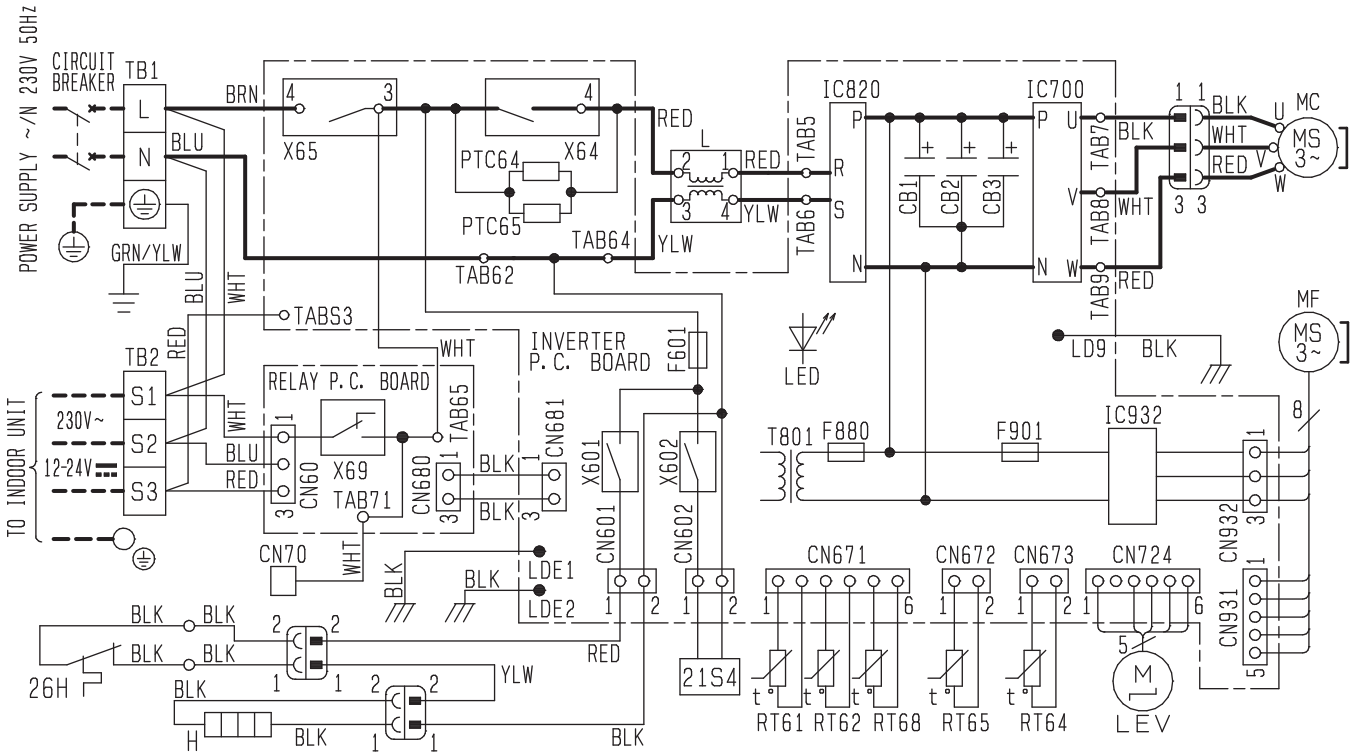


SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	L	REACTOR	RT62	DISCHARGE TEMP. THERMISTOR	X602	RELAY
CN70	CONNECTOR	LED	LED	RT64	FIN TEMP. THERMISTOR	X64	RELAY
F601	FUSE(T3.15AL250V)	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR	X65	RELAY
F880	FUSE(T3.15AL250V)	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR	X69	RELAY
F901	FUSE(T3.15AL250V)	MF	FAN MOTOR			21S4	REVERSING VALVE COIL
IC700	IGBT Module	PTC64	CIRCUIT PROTECTION	TB1, TB2	TERMINAL BLOCK		
IC820	DIODE Module	PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER		
IC932	IGBT Module	RT61	DEFROST THERMISTOR	X601	RELAY		

NOTES 1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only(for field wiring). 3. Symbols indicate, □□□:Terminal block

MUZ-FH50VEHZ

OUTDOOR UNIT

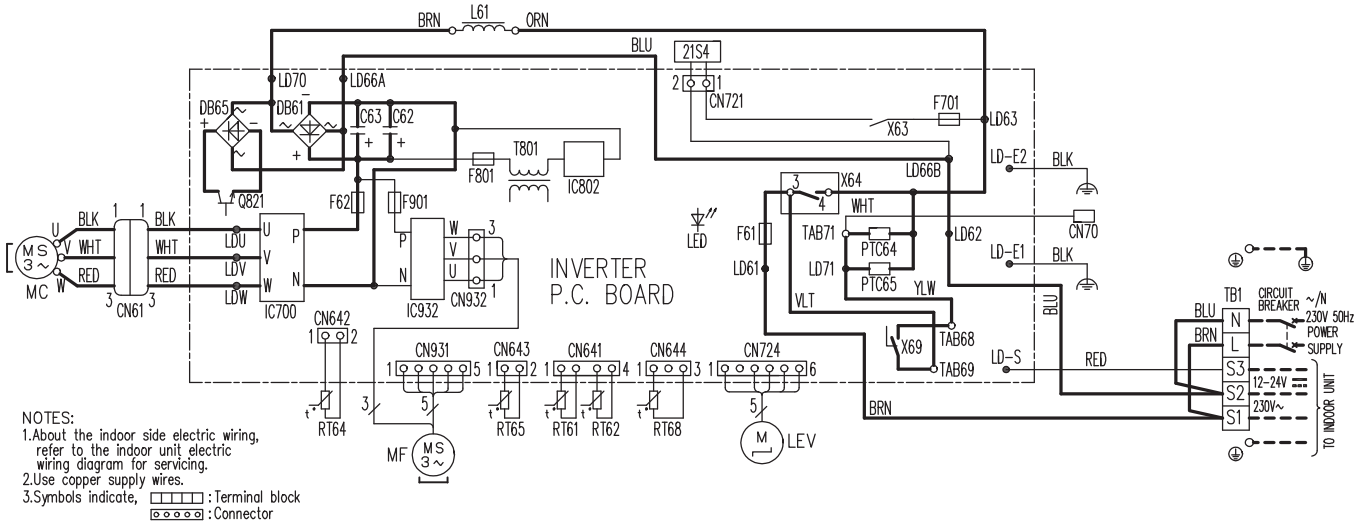


SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC932	IGBT Module	RT61	DEFROST THERMISTOR	X601	RELAY
CN70	CONNECTOR	L	REACTOR	RT62	DISCHARGE TEMP. THERMISTOR	X602	RELAY
F601	FUSE(T3.15AL250V)	LED	LED	RT64	FIN TEMP. THERMISTOR	X64	RELAY
F880	FUSE(T3.15AL250V)	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR	X65	RELAY
F901	FUSE(T3.15AL250V)	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR	X69	RELAY
H	DEFROST HEATER	MF	FAN MOTOR			21S4	REVERSING VALVE COIL
IC700	IGBT Module	PTC64	CIRCUIT PROTECTION	TB1, TB2	TERMINAL BLOCK	26H	HEATER PROTECTOR
IC820	DIODE Module	PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER		

NOTES 1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only(for field wiring). 3. Symbols indicate, □□□ :Terminal block

MUZ-EF25VG MUZ-EF35VG

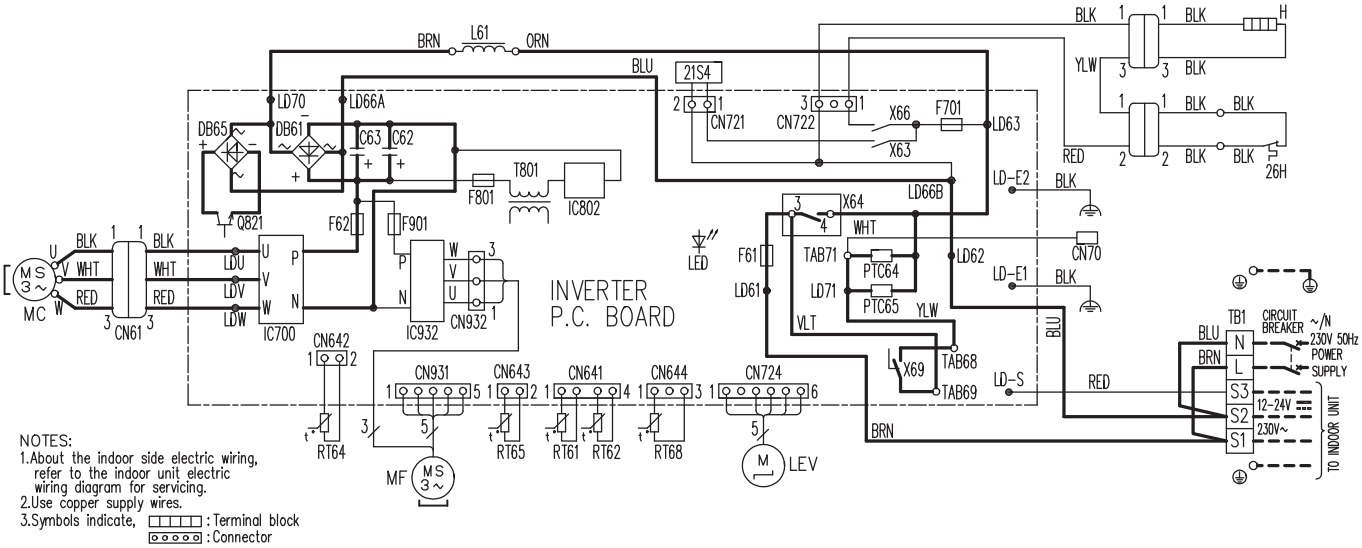
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (25A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F62	FUSE (15A 250V)	PTC64,PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
F701,F801,F901	FUSE (T3.15AL250V)	Q821	SWITCHING POWER TRANSISTOR	X63,X64,X69	RELAY
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR		
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUZ-EF25VGH MUZ-EF35VGH

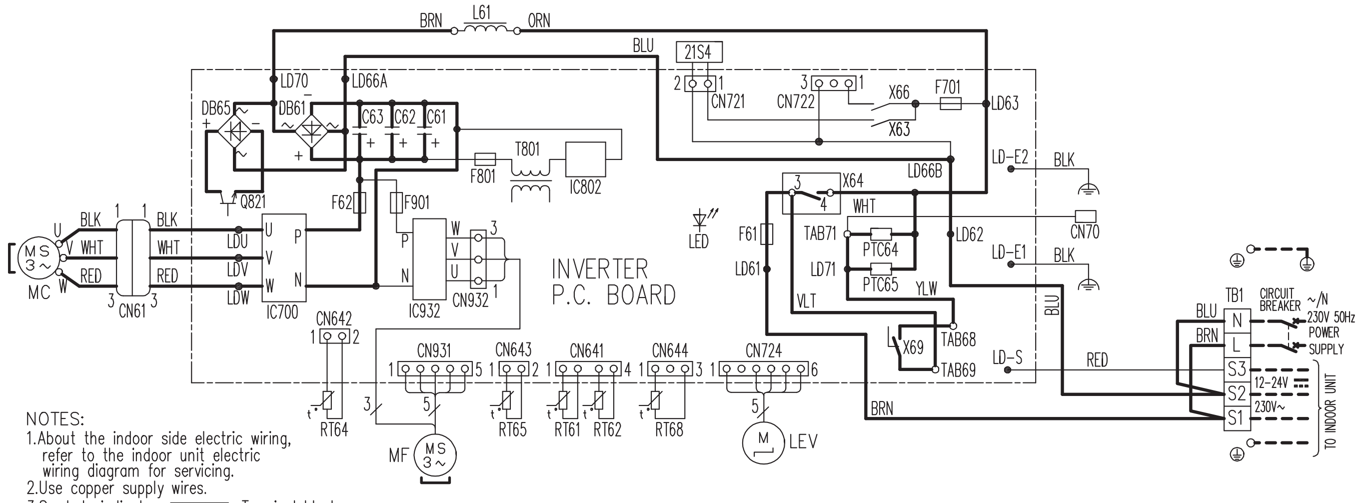
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LED	LED	RT64	FIN TEMP. THERMISTOR
C62,C63	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
DB61,DB65	DIODE MODULE	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F61	FUSE (25A 250V)	MC	COMPRESSOR		
F62	FUSE (15A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F701,F801,F901	FUSE (T3.15AL250V)	PTC64,PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
H	DEFROST HEATER	Q821	SWITCHING POWER TRANSISTOR	X63,X64,X66,X69	RELAY
IC700,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR

MUZ-EF42VG

OUTDOOR UNIT

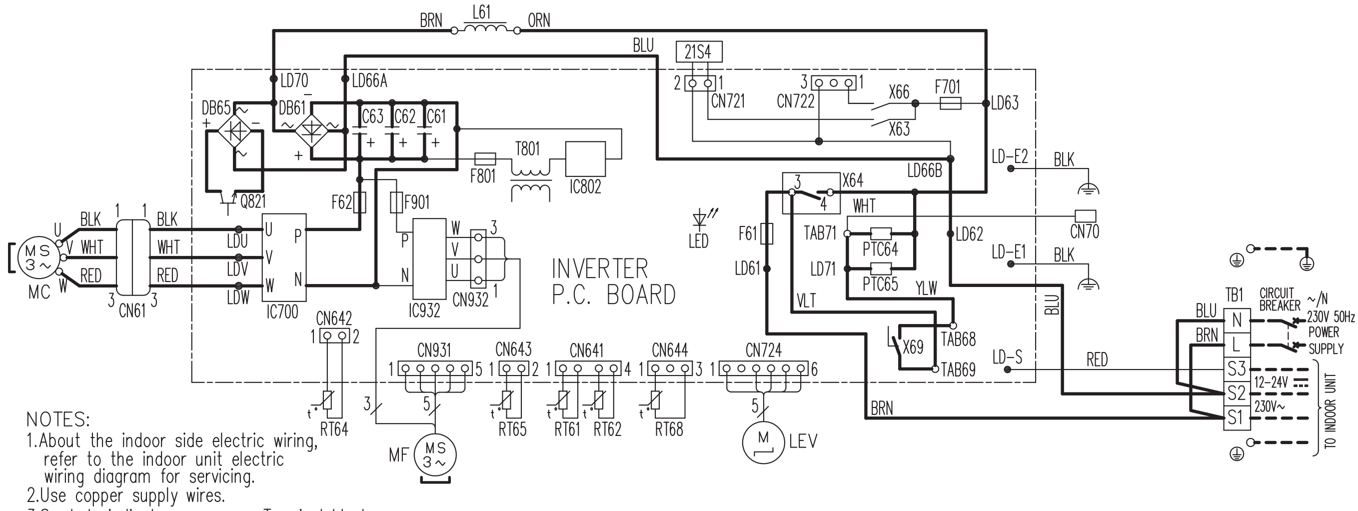


NOTES:
1.About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2.Use copper supply wires.
3.Symbols indicate, ▭▭▭▭▭ : Terminal block
○○○○○ : Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (25A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F62	FUSE (15A 250V)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
F701, F801, F901	FUSE (T3.15AL250V)	Q821	SWITCHING POWER TRANSISTOR	X63, X64, X66, X69	RELAY
IC700, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR		
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUZ-EF50VG

OUTDOOR UNIT

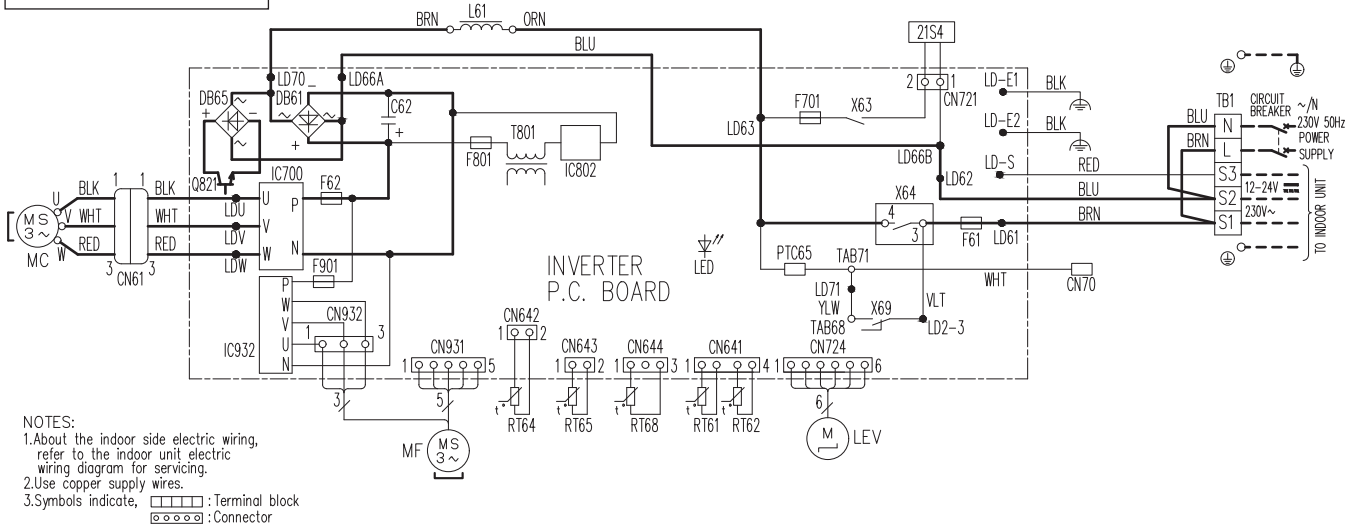


NOTES:
1.About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2.Use copper supply wires.
3.Symbols indicate, ▭▭▭▭▭ : Terminal block
○○○○○ : Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (25A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F62	FUSE (15A 250V)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
F701, F801, F901	FUSE (T3.15AL250V)	Q821	SWITCHING POWER TRANSISTOR	X63, X64, X66, X69	RELAY
IC700, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR		
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUZ-BT20VG MUZ-BT25VG MUZ-BT35VG

OUTDOOR UNIT

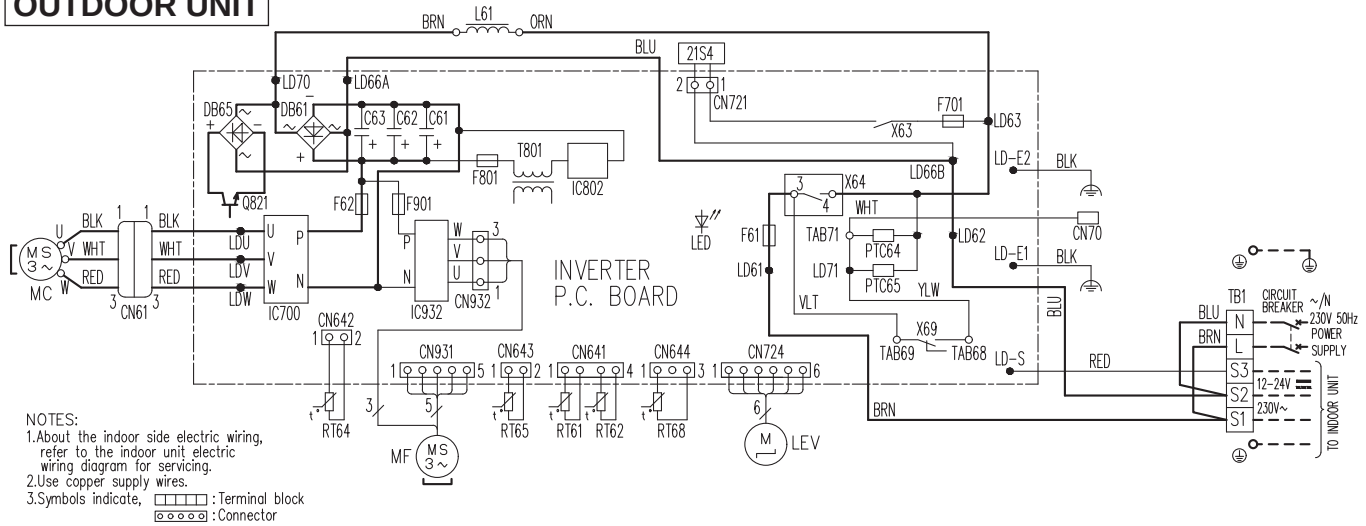


NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊐⊏⊐⊏⊐ : Terminal block, ○○○○○ : Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR
C62	SMOOTHING CAPACITOR	L61	REACTOR	RT65	AMBIENT TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F61, F62	FUSE (15A 250V)	MF	FAN MOTOR		
F701, F801, F901	FUSE (T3.15AL250V)	PTC65	CIRCUIT PROTECTION	TB1	TERMINAL BLOCK
IC700, IC932	POWER MODULE	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC802	POWER DEVICE	RT61	DEFROST THERMISTOR	X63, X64, X69	RELAY
LED	LED	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL

MUZ-BT50VG

OUTDOOR UNIT

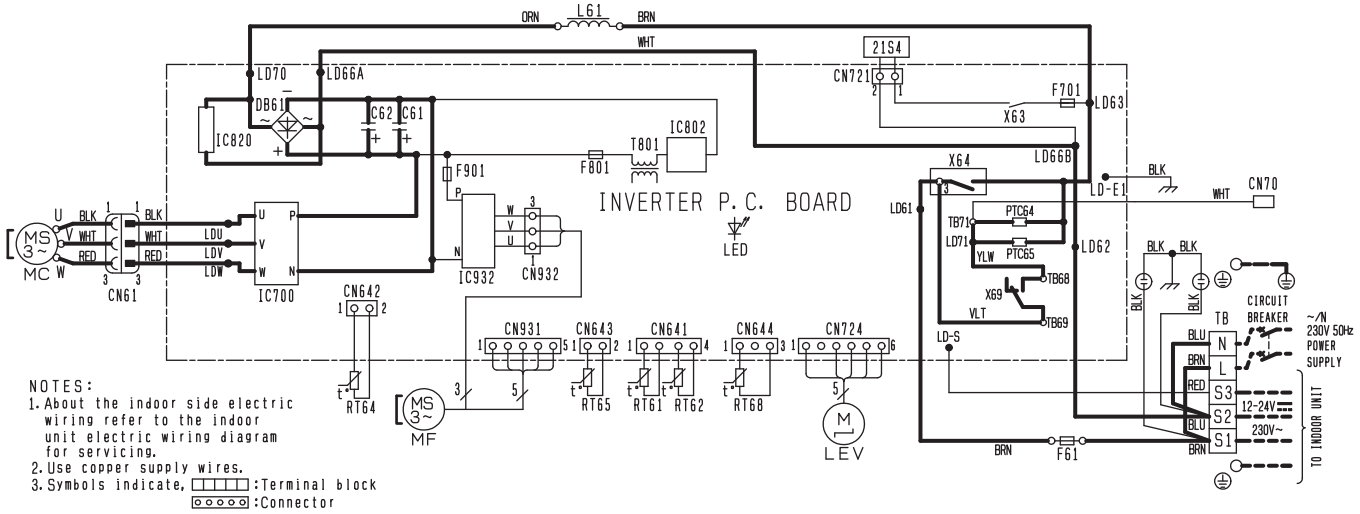


NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ⊏⊐⊏⊐⊏⊐ : Terminal block, ○○○○○ : Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (25A 250V)	MF	FAN MOTOR	TB1	TERMINAL BLOCK
F62	FUSE (15A 250V)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
F701, F801, F901	FUSE (T3.15AL250V)	Q821	SWITCHING POWER TRANSISTOR	X63, X64, X69	RELAY
IC700, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR		
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUZ-SF25VE MUZ-SF35VE

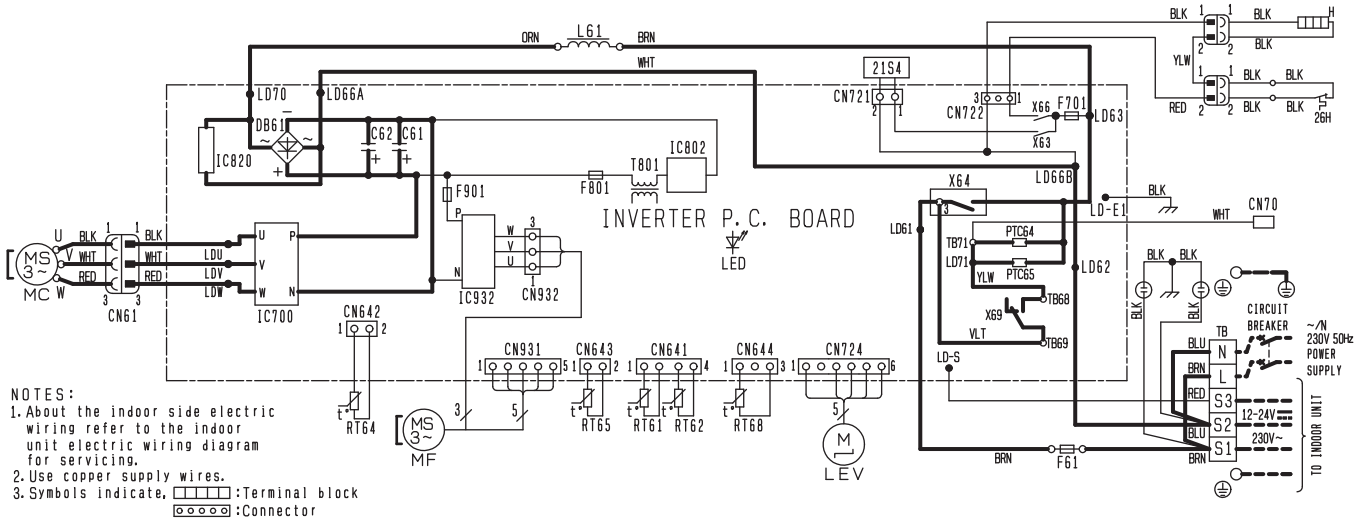
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN70	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61, C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (T20AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
F701, F801, F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700, IC820, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X69	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUZ-SF25VEH MUZ-SF35VEH

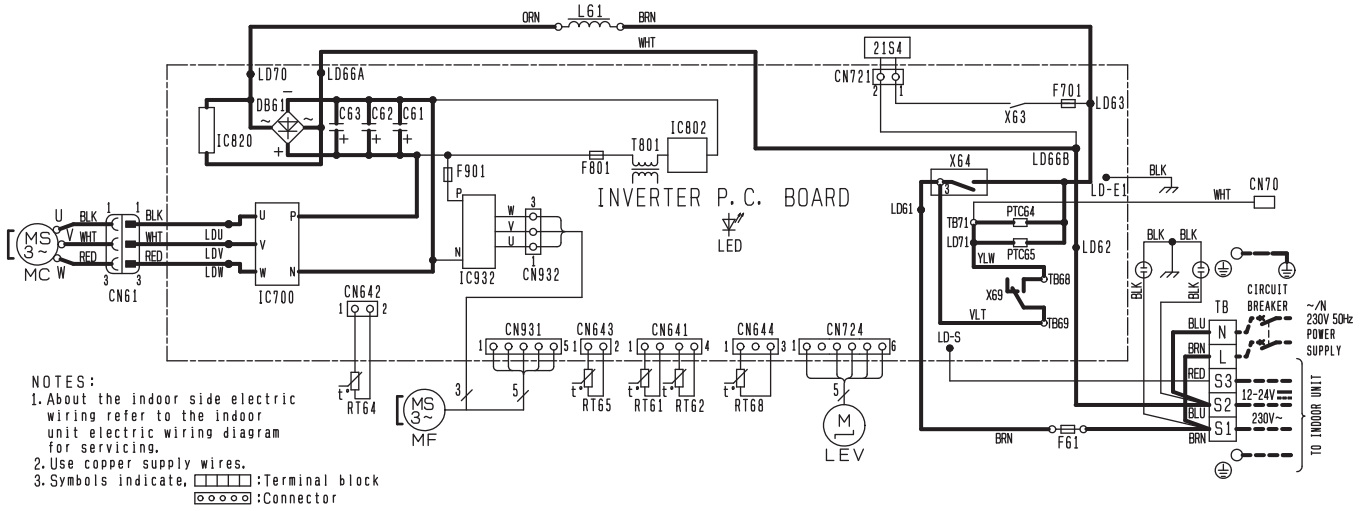
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN70	CONNECTOR	LEV	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
C61, C62	SMOOTHING CAPACITOR	L61	REACTOR		
DB61	DIODE MODULE	MC	COMPRESSOR	TB	TERMINAL BLOCK
F61	FUSE (T20AL250V)	MF	FAN MOTOR	T801	TRANSFORMER
F701, F801, F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION	X63, X64 X66, X69	RELAY
H	DEFROST HEATER	RT61	DEFROST THERMISTOR		
IC700, IC820, IC932	POWER MODULE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
LED	LED	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-SF42VE MUZ-SF50VE

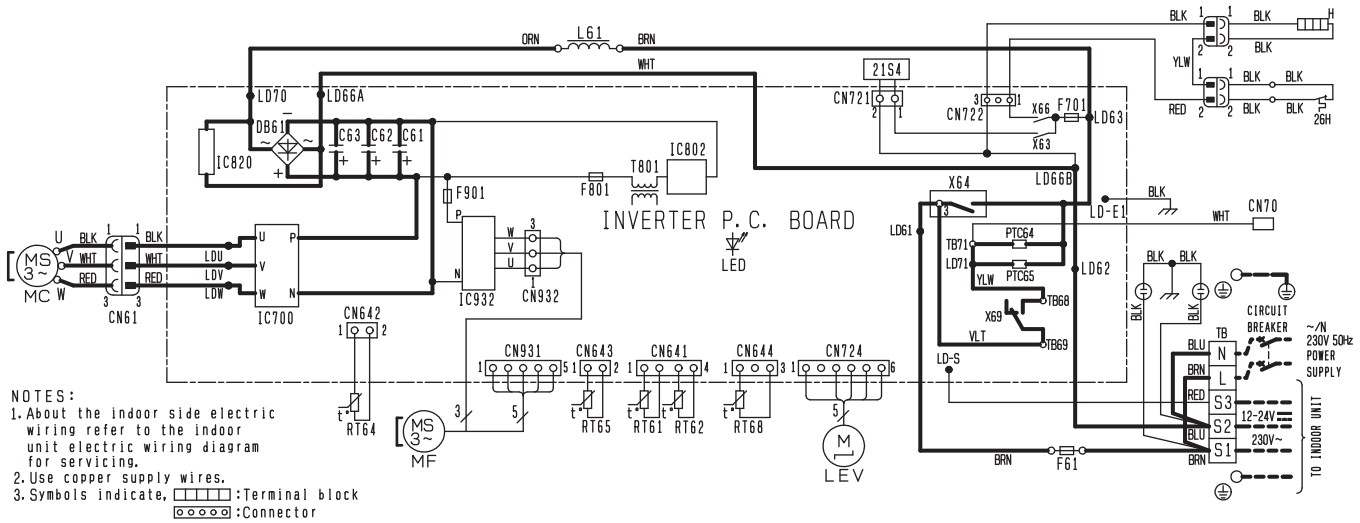
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN70	CONNECTOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61	DIODE MODULE	MC	COMPRESSOR		
F61	FUSE (T20AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
F701, F801, F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700, IC820, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X69	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR		

MUZ-SF42VEH MUZ-SF50VEH

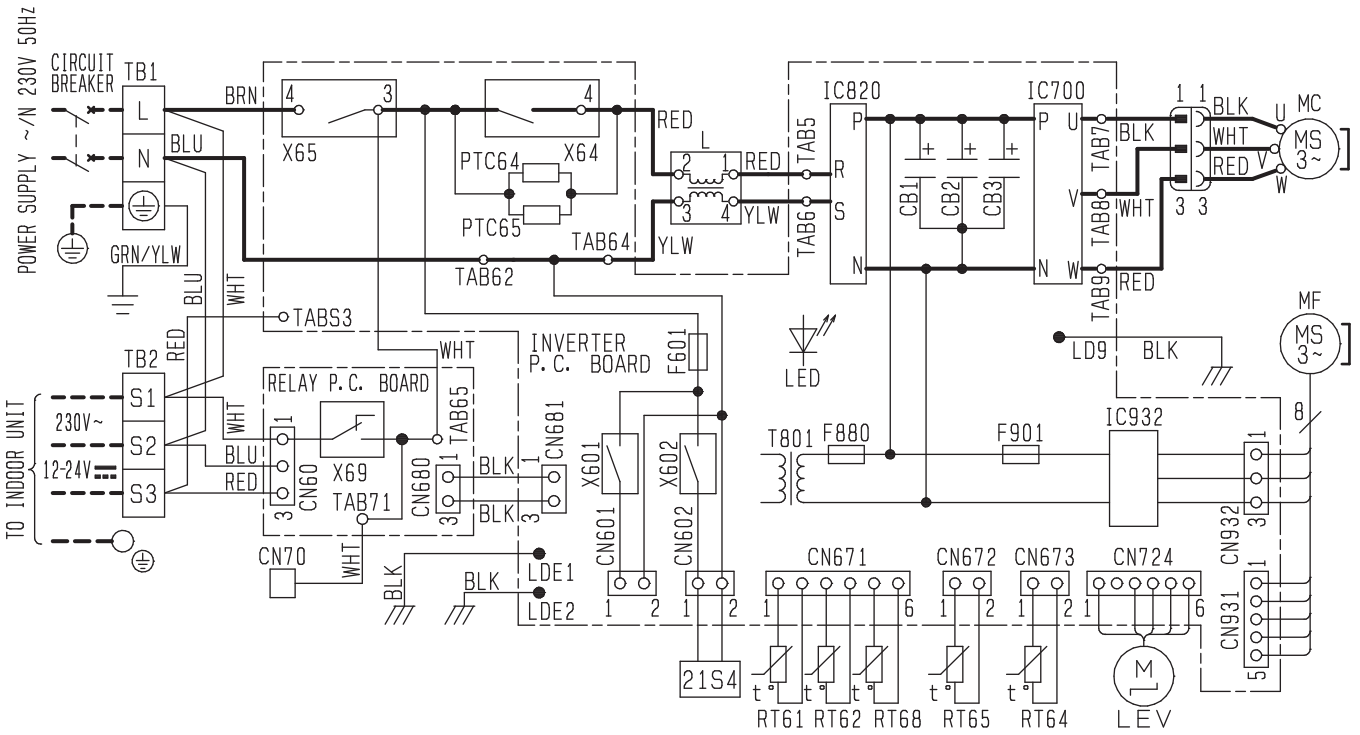
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN70	CONNECTOR	LEV	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR		
DB61	DIODE MODULE	MC	COMPRESSOR	TB	TERMINAL BLOCK
F61	FUSE (T20AL250V)	MF	FAN MOTOR	T801	TRANSFORMER
F701, F801, F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION	X63, X64	RELAY
H	DEFROST HEATER	RT61	DEFROST THERMISTOR	X66, X69	
IC700, IC820, IC932	POWER MODULE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
LED	LED	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-GF60VE MUZ-GF71VE

OUTDOOR UNIT

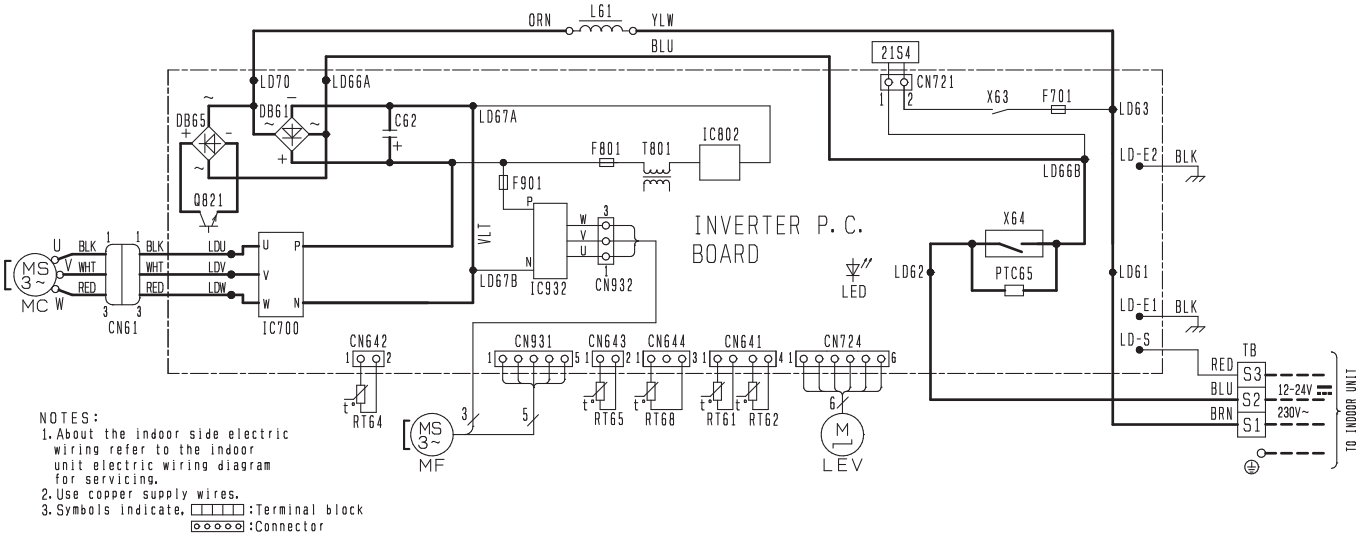


SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	L	REACTOR	RT62	DISCHARGE TEMP. THERMISTOR	X602	RELAY
CN70	CONNECTOR	LED	LED	RT64	FIN TEMP. THERMISTOR	X64	RELAY
F601	FUSE(T3.15AL250V)	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR	X65	RELAY
F880	FUSE(T3.15AL250V)	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR	X69	RELAY
F901	FUSE(T3.15AL250V)	MF	FAN MOTOR			21S4	REVERSING VALVE SOLENOID COIL
IC700	IGBT Module	PTC64	CIRCUIT PROTECTION	TB1, TB2	TERMINAL BLOCK		
IC820	DIODE Module	PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER		
IC932	IGBT Module	RT61	DEFROST THERMISTOR	X601	RELAY		

NOTES 1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only(for field wiring). 3. Symbols indicate, □□□ :Terminal block

MUZ-WN25VA MUZ-WN35VA

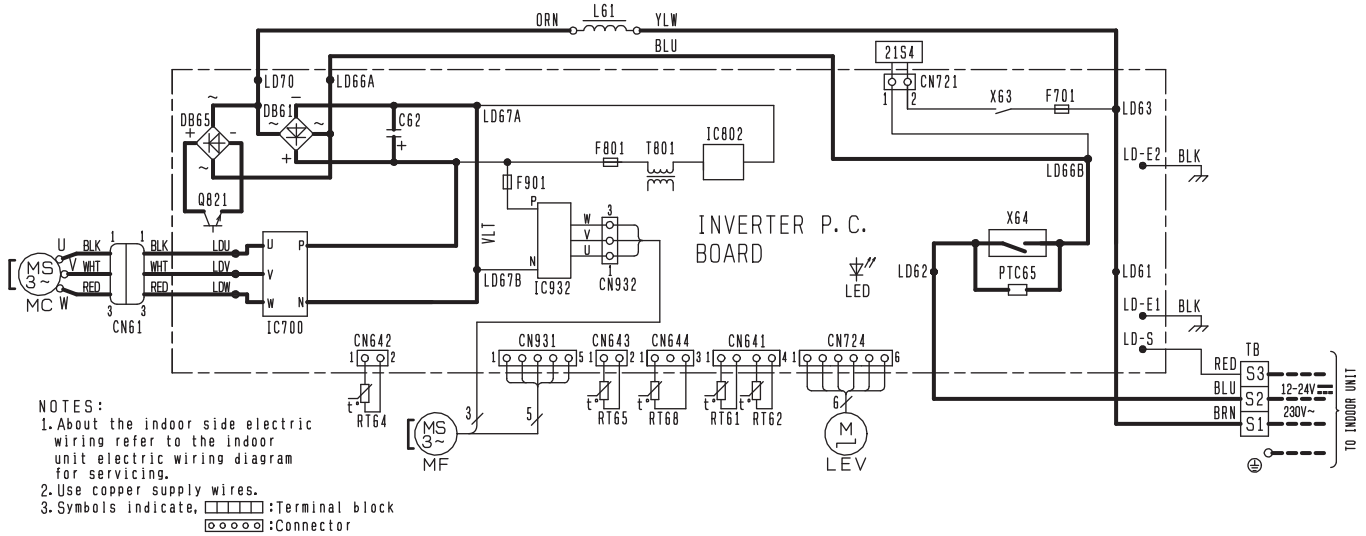
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	L61	REACTOR	RT65	AMBIENT TEMP. THERMISTOR
C62	SMOOTHING CAPACITOR	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	MF	FAN MOTOR		
F701, F801, F901	FUSE (T3.15AL250V)	PTC65	CIRCUIT PROTECTION	TB	TERMINAL BLOCK
IC700, IC932	POWER MODULE	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC802	POWER DEVICE	RT61	DEFROST THERMISTOR	X63, X64	RELAY
LED	LED	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LEV	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR		

MUZ-DM25VA MUZ-DM35VA

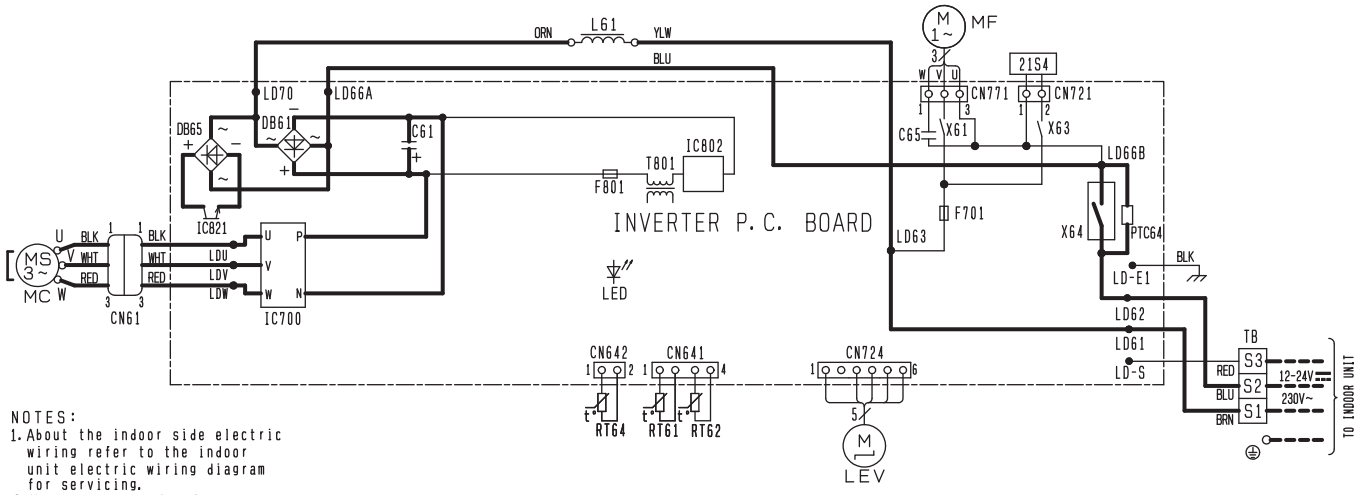
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	L61	REACTOR	RT65	AMBIENT TEMP. THERMISTOR
C62	SMOOTHING CAPACITOR	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	MF	FAN MOTOR		
F701, F801, F901	FUSE (T3.15AL250V)	PTC65	CIRCUIT PROTECTION	TB	TERMINAL BLOCK
IC700, IC932	POWER MODULE	Q821	SWITCHING POWER TRANSISTOR	T801	TRANSFORMER
IC802	POWER DEVICE	RT61	DEFROST THERMISTOR	X63, X64	RELAY
LED	LED	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LEV	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR		

MUZ-HJ25VA

OUTDOOR UNIT

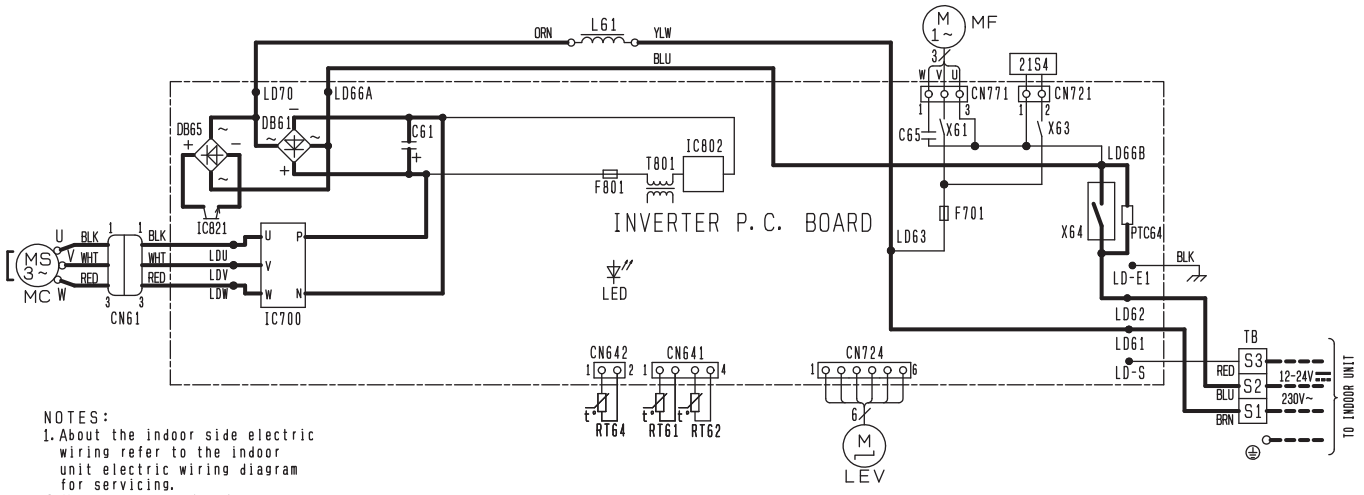


NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ▭▭▭ :Terminal block
⬭⬭⬭ :Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	IC821	SWITCHING POWER TRANSISTOR	RT61	DEFROST THERMISTOR
C61	SMOOTHING CAPACITOR	LED	LED	RT62	DISCHARGE TEMP. THERMISTOR
C65	FAN MOTOR CAPACITOR	LEV	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	L61	REACTOR	TB	TERMINAL BLOCK
F701, F801	FUSE (T3.15AL250V)	MC	COMPRESSOR	T801	TRANSFORMER
IC700	POWER MODULE	MF	FAN MOTOR(INNER FUSE)	X61, X63, X64	RELAY
IC802	POWER DEVICE	PTC64	CIRCUIT PROTECTION	21S4	REVERSING VALVE COIL

MUZ-HJ35VA

OUTDOOR UNIT

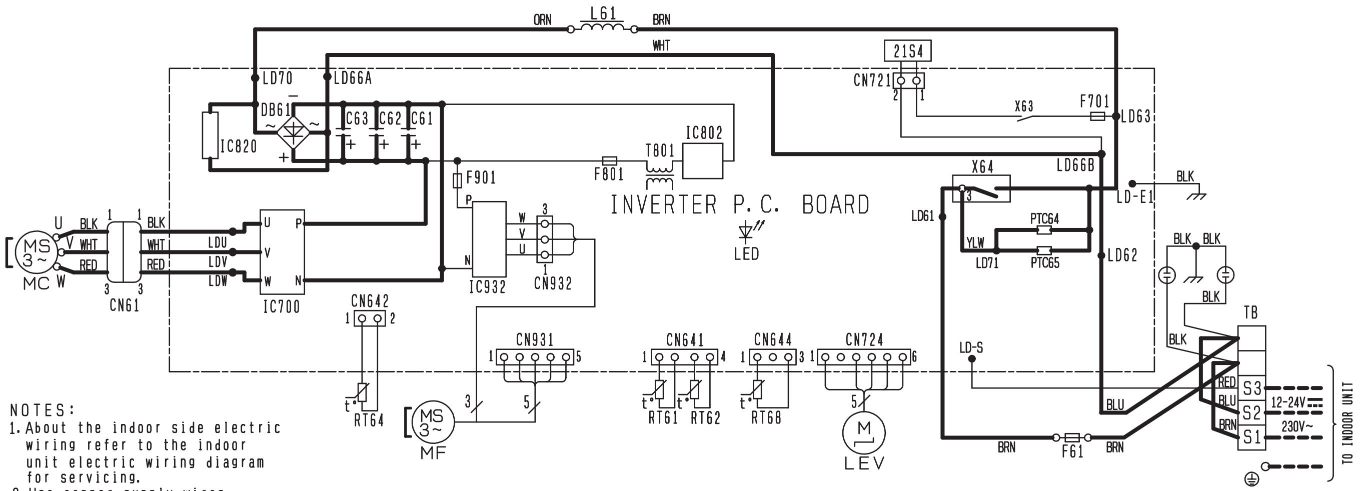


NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ▭▭▭ :Terminal block
⬭⬭⬭ :Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	IC821	SWITCHING POWER TRANSISTOR	RT61	DEFROST THERMISTOR
C61	SMOOTHING CAPACITOR	LED	LED	RT62	DISCHARGE TEMP. THERMISTOR
C65	FAN MOTOR CAPACITOR	LEV	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	L61	REACTOR	TB	TERMINAL BLOCK
F701, F801	FUSE (T3.15AL250V)	MC	COMPRESSOR	T801	TRANSFORMER
IC700	POWER MODULE	MF	FAN MOTOR(INNER FUSE)	X61, X63, X64	RELAY
IC802	POWER DEVICE	PTC64	CIRCUIT PROTECTION	21S4	REVERSING VALVE COIL

MUZ-HJ50VA MUZ-HJ60VA MUZ-HJ71VA

OUTDOOR UNIT



NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, ▭▭▭▭ :Terminal block
○○○○○ :Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN61	CONNECTOR	LEV	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR		
DB61	DIODE MODULE	MC	COMPRESSOR	TB	TERMINAL BLOCK
F61	FUSE (T20AL250V)	MF	FAN MOTOR	T801	TRANSFORMER
F701, F801, F901	FUSE (T3.15AL250V)	PTC64, PTC65	CIRCUIT PROTECTION	X63, X64	RELAY
IC700, IC820, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR		
LED	LED	RT64	FIN TEMP. THERMISTOR		

WIRING DIAGRAM
WALL-MOUNTED

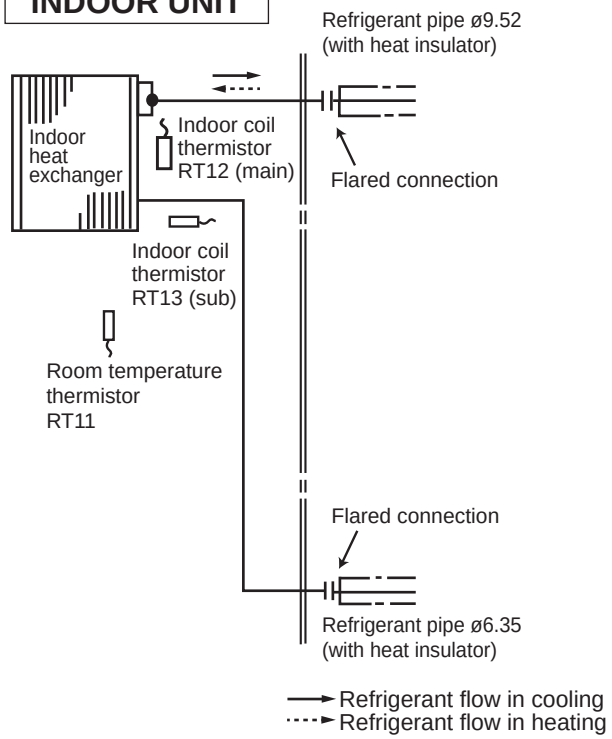
C.1.4 REFRIGERANT SYSTEM DIAGRAM

C.1.4.1 Inverter

Unit: mm

MSZ-LN18VG2W
MSZ-LN18VG2V
MSZ-LN18VG2B
MSZ-LN18VG2R

INDOOR UNIT **OUTDOOR UNIT**

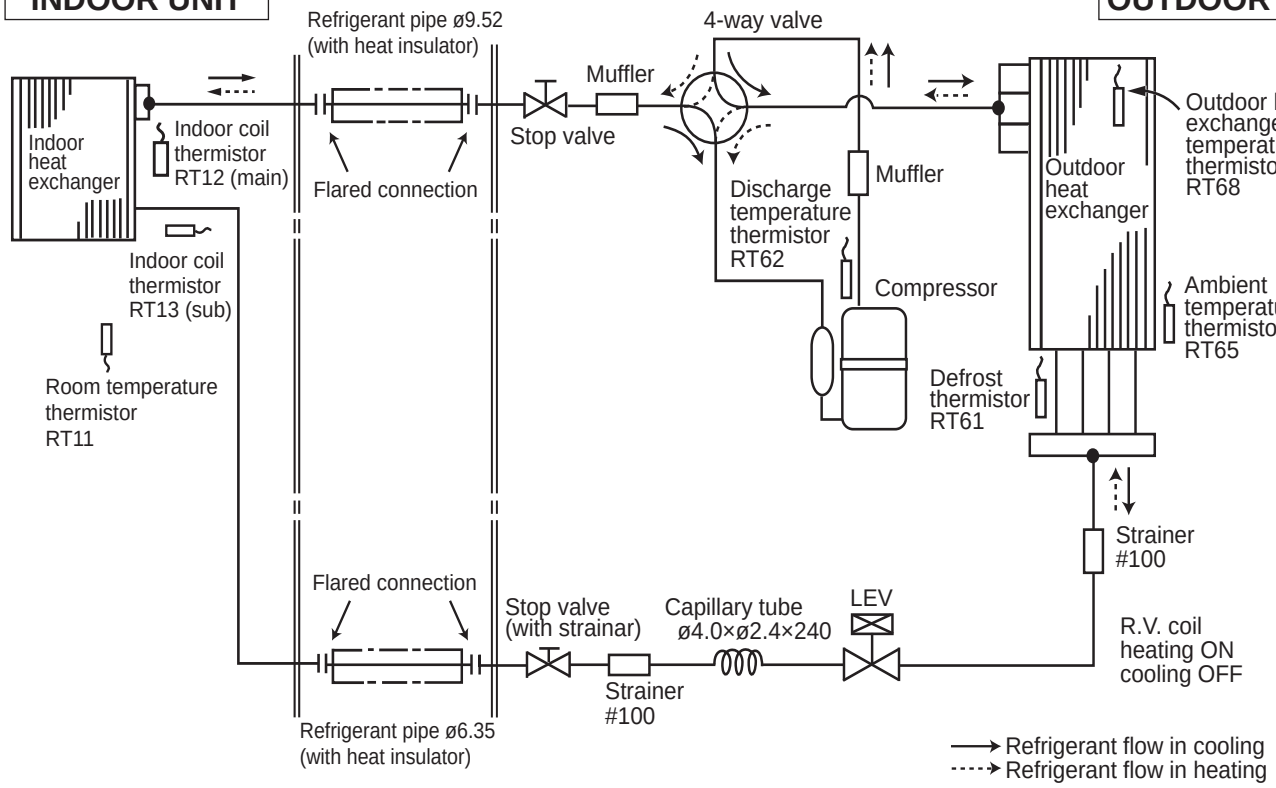


For MXZ connection

MSZ-LN25VG2W MSZ-LN35VG2W
MSZ-LN25VG2V MSZ-LN35VG2V
MSZ-LN25VG2B MSZ-LN35VG2B
MSZ-LN25VG2R MSZ-LN35VG2R

MUZ-LN25VG2
MUZ-LN25VGHZ2
MUZ-LN35VG2
MUZ-LN35VGHZ2

INDOOR UNIT **OUTDOOR UNIT**



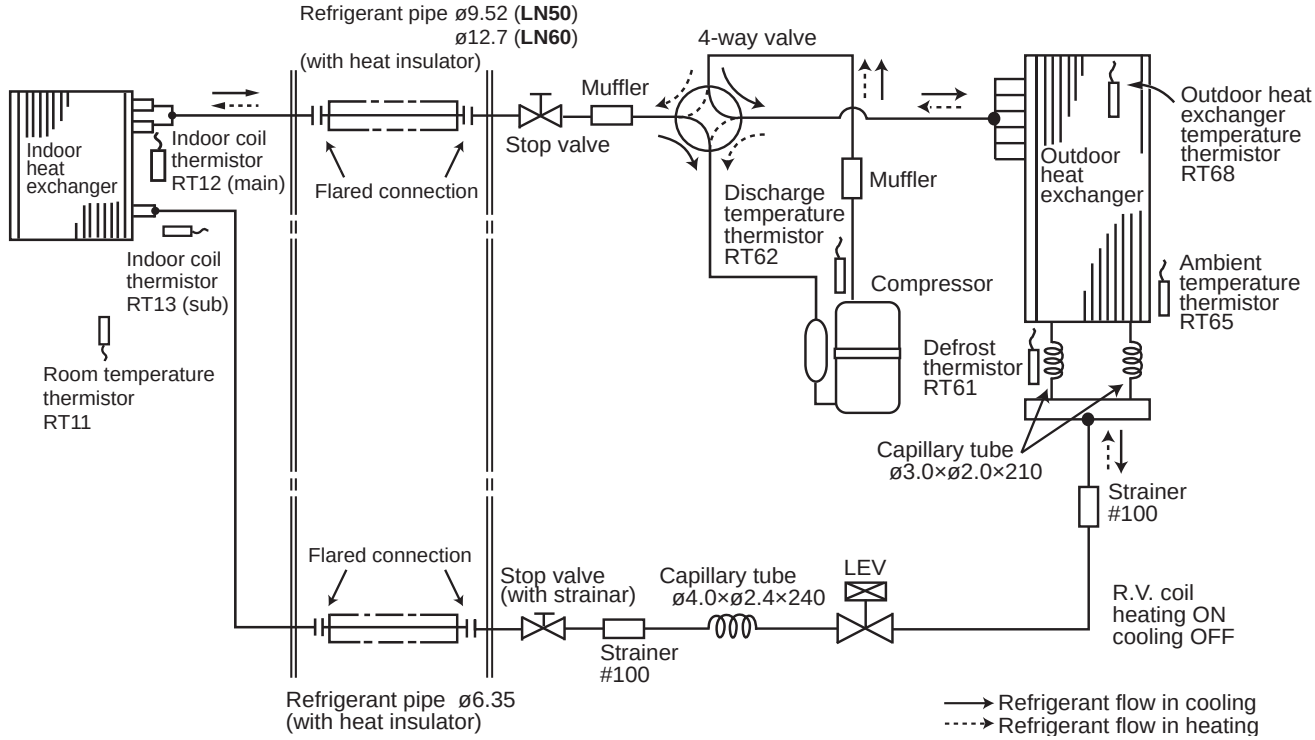
Unit: mm

MSZ-LN50VG2W
MSZ-LN50VG2V
MSZ-LN50VG2B
MSZ-LN50VG2R

INDOOR UNIT

MUZ-LN50VG2

OUTDOOR UNIT

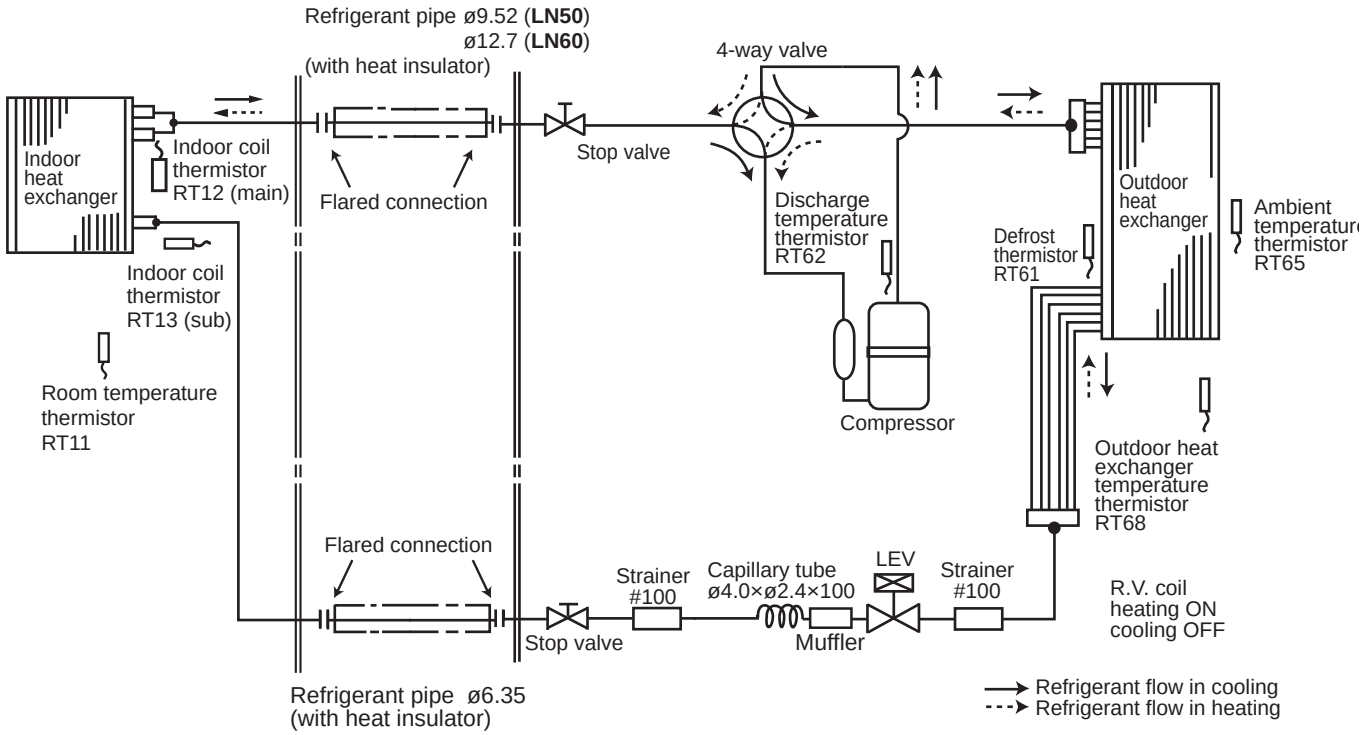


MSZ-LN50VG2W **MSZ-LN60VG2W**
MSZ-LN50VG2V **MSZ-LN60VG2V**
MSZ-LN50VG2B **MSZ-LN60VG2B**
MSZ-LN50VG2R **MSZ-LN60VG2R**

INDOOR UNIT

MUZ-LN50VGHZ
MUZ-LN60VG

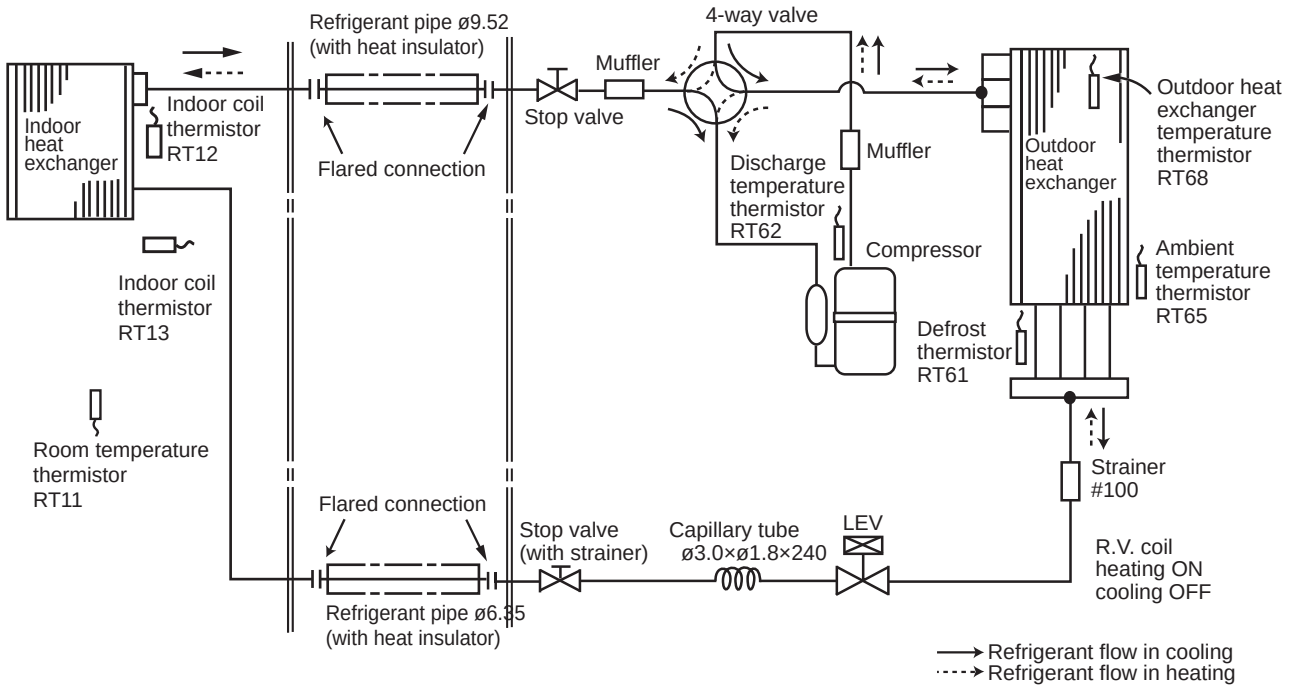
OUTDOOR UNIT



Unit: mm

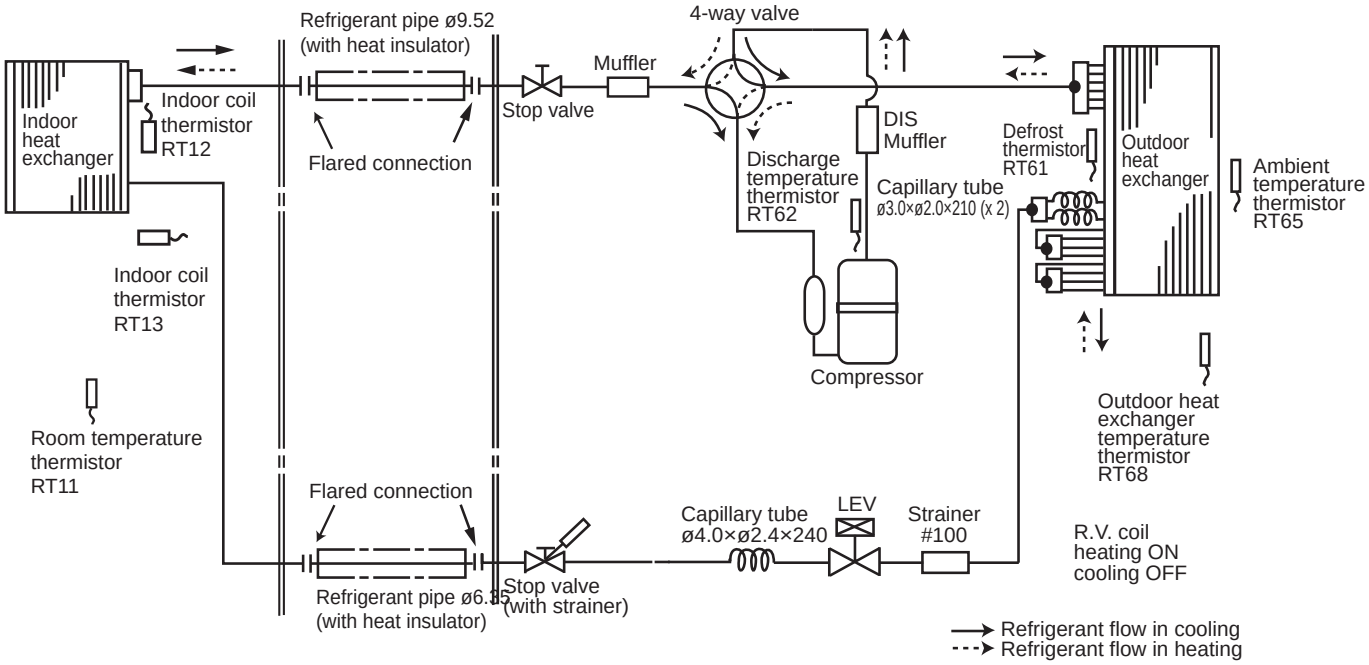
MSZ-FT25VG
MSZ-FT25VGK
INDOOR UNIT

MUZ-FT25VGHZ
OUTDOOR UNIT



MSZ-FT35VG
MSZ-FT35VGK
MSZ-FT50VG
MSZ-FT50VGK
INDOOR UNIT

MUZ-FT35VGHZ
MUZ-FT50VGHZ
OUTDOOR UNIT



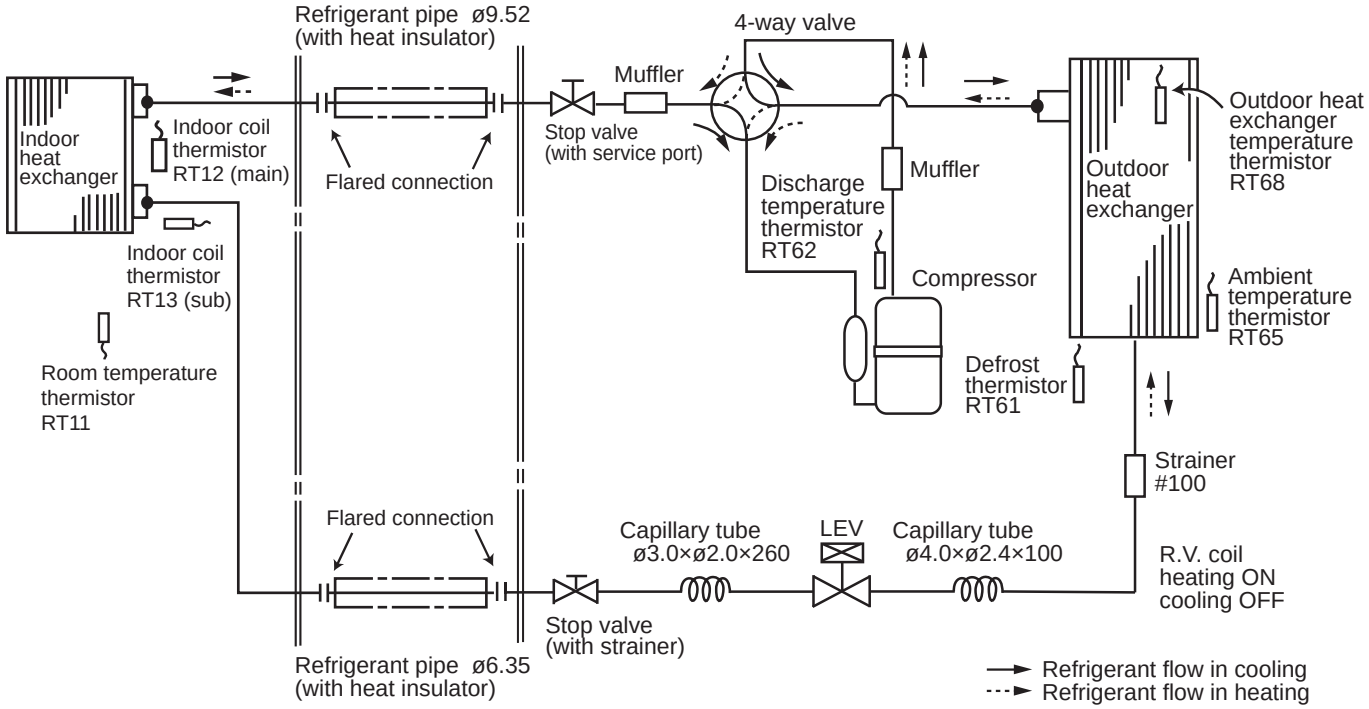
Unit: mm

MSZ-AP15VG
MSZ-AP15VGK

INDOOR UNIT

MUZ-AP15VG

OUTDOOR UNIT

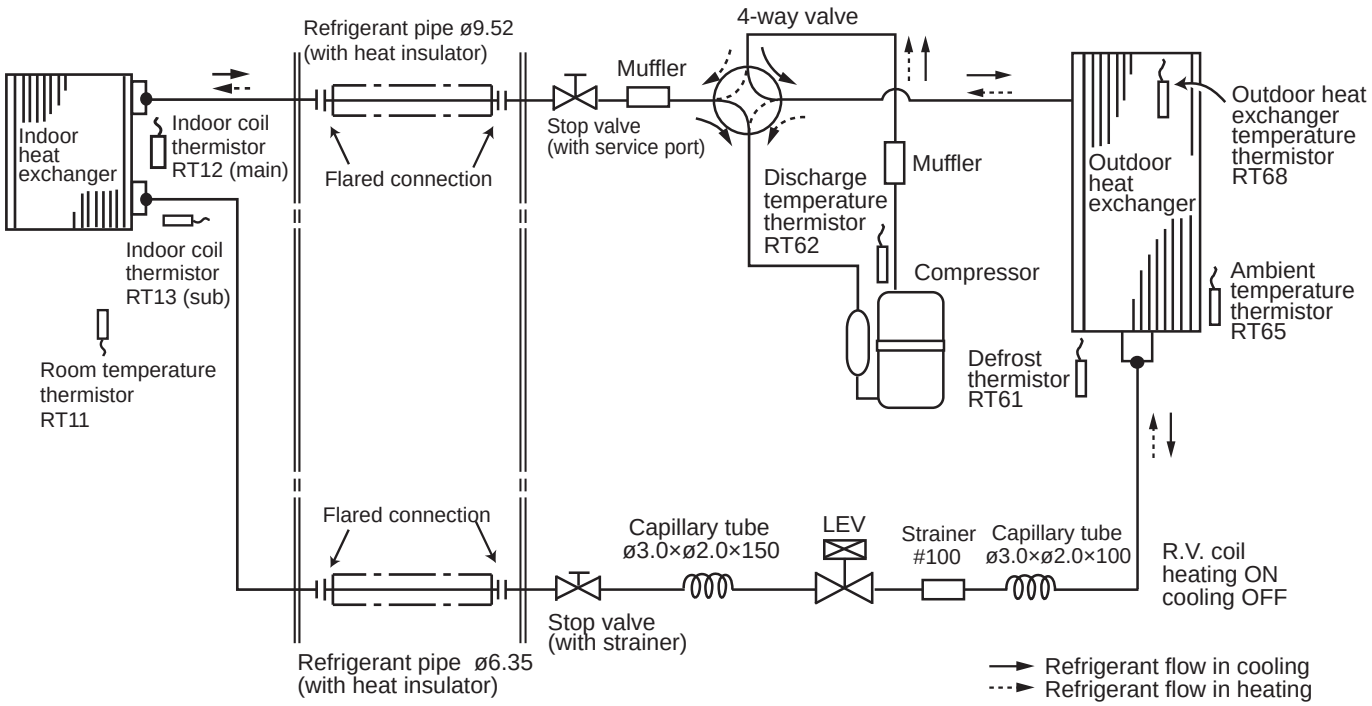


MSZ-AP20VG
MSZ-AP20VGK

INDOOR UNIT

MUZ-AP20VG

OUTDOOR UNIT



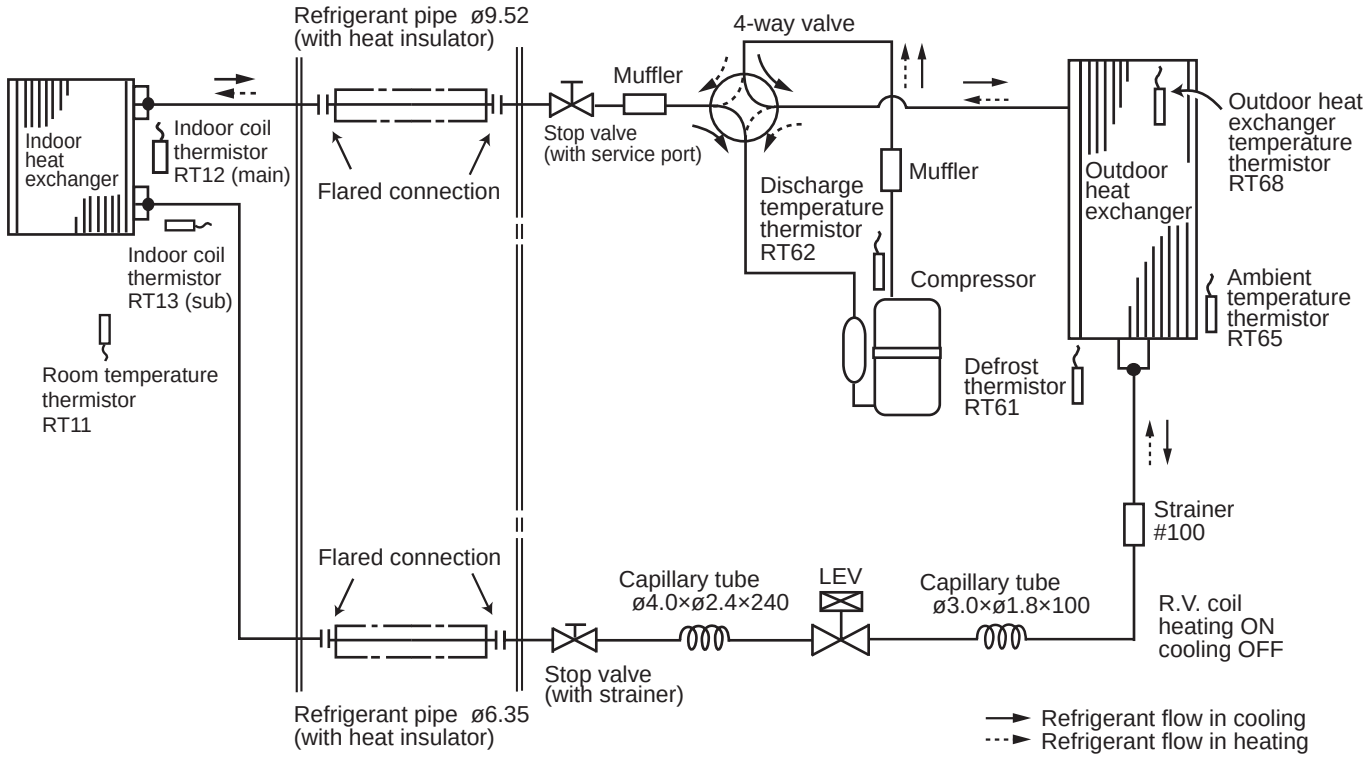
Unit: mm

MSZ-AP25VG
MSZ-AP35VG
MSZ-AP25VGK
MSZ-AP35VGK

INDOOR UNIT

MUZ-AP25VG
MUZ-AP35VG
MUZ-AP25VGH
MUZ-AP35VGH

OUTDOOR UNIT

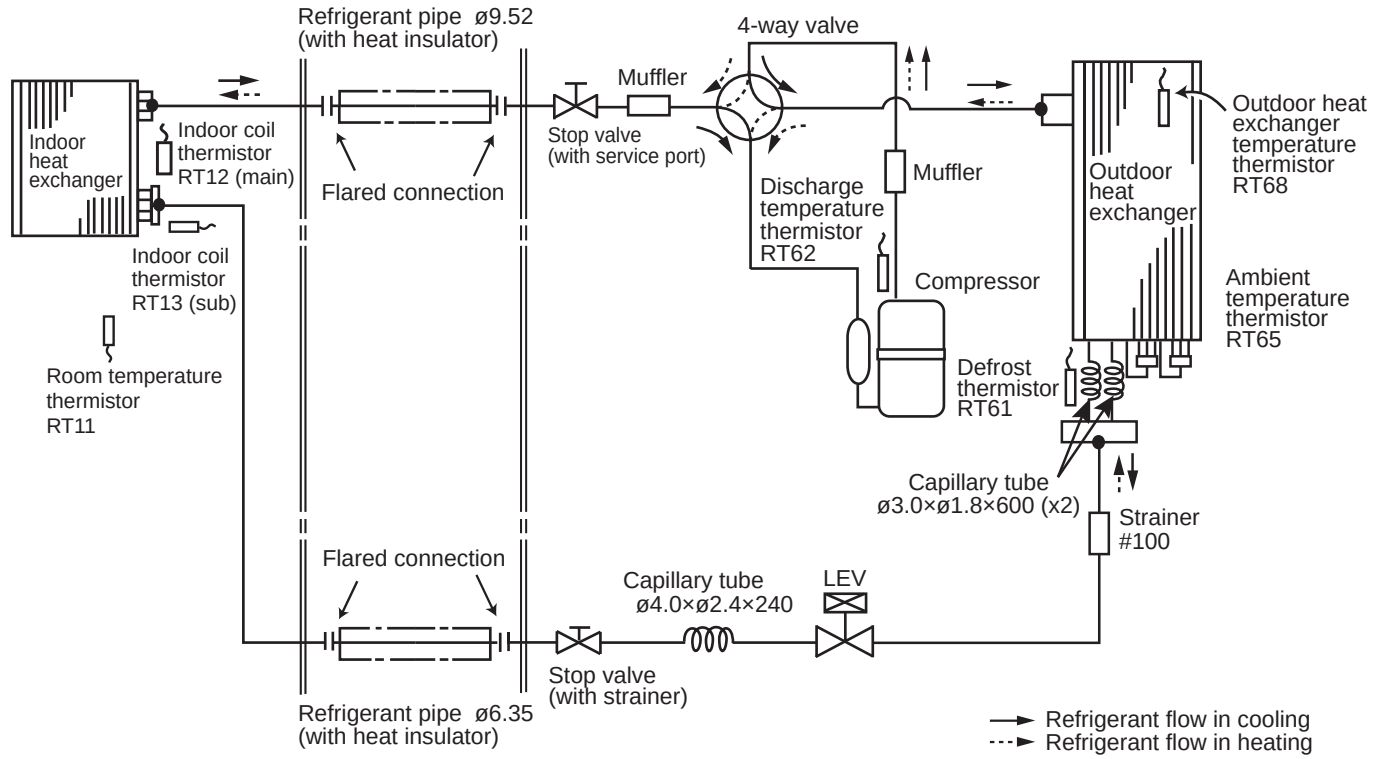


MSZ-AP42VG
MSZ-AP42VGK

INDOOR UNIT

MUZ-AP42VG
MUZ-AP42VGH

OUTDOOR UNIT



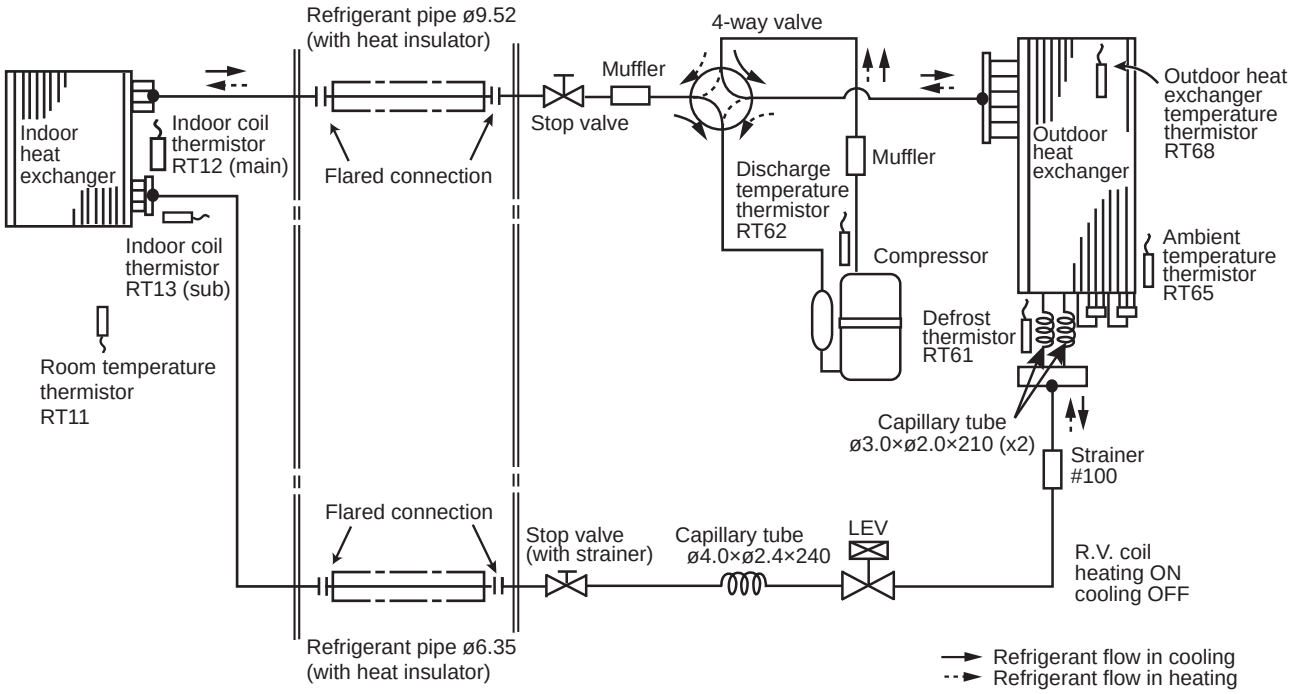
Unit: mm

MSZ-AP50VG
MSZ-AP50VGK

INDOOR UNIT

MUZ-AP50VG
MUZ-AP50VGH

OUTDOOR UNIT

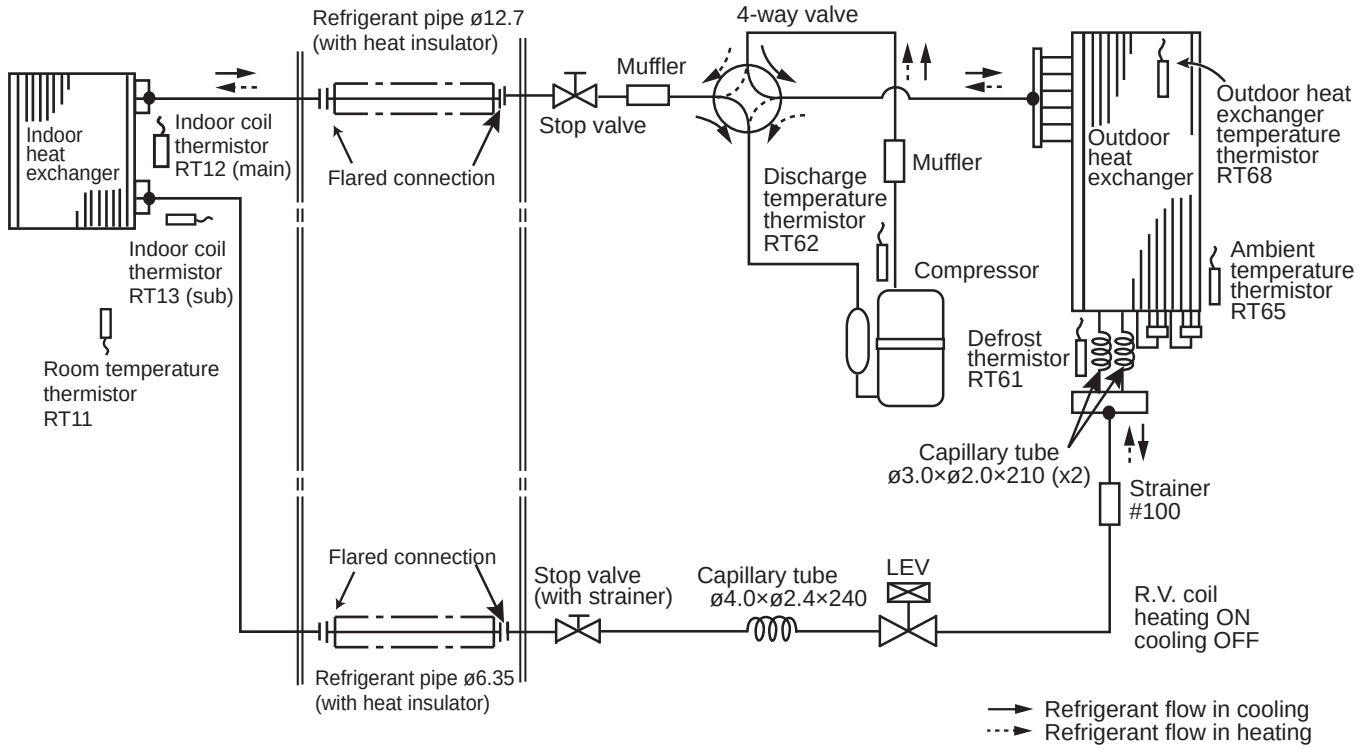


MSZ-AP60VG
MSZ-AP60VGK

INDOOR UNIT

MUZ-AP60VG

OUTDOOR UNIT



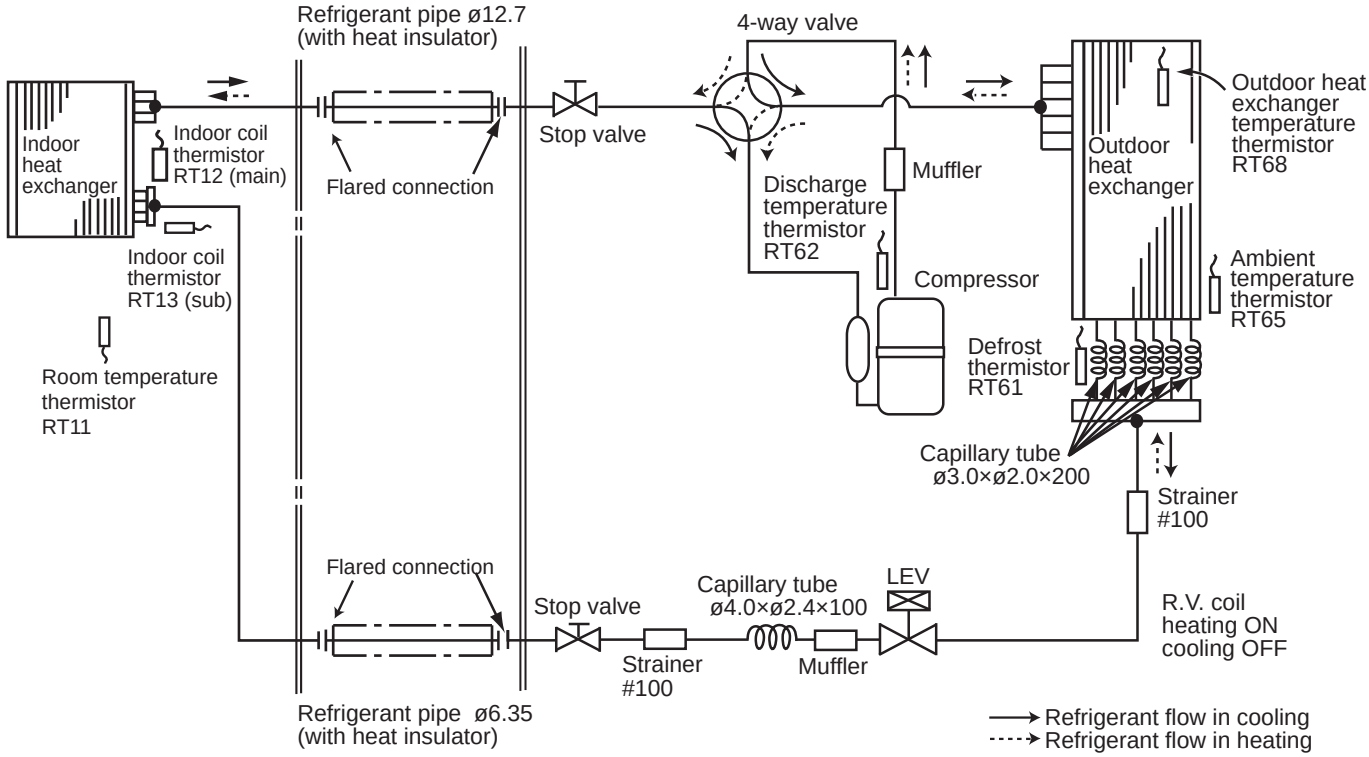
Unit: mm

MSZ-AP71VG
MSZ-AP71VGK

INDOOR UNIT

MUZ-AP71VG

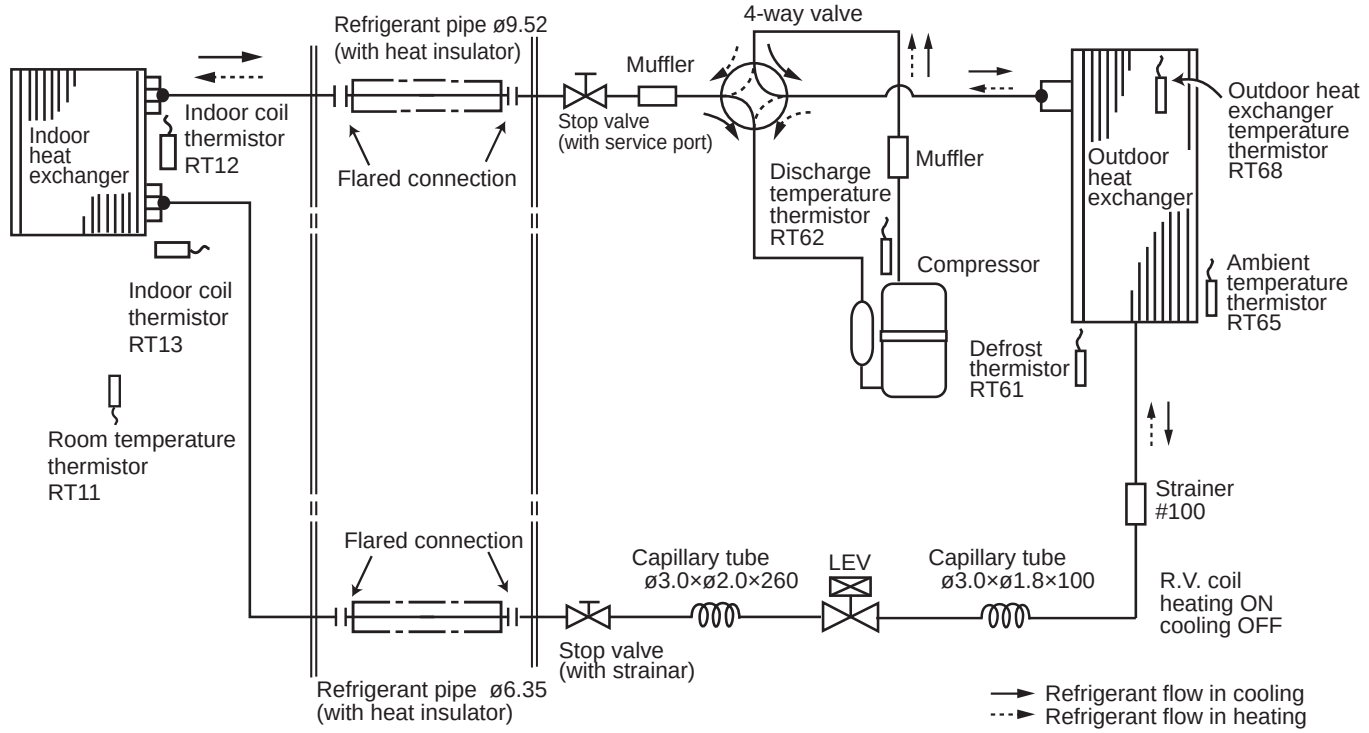
OUTDOOR UNIT



Unit: mm

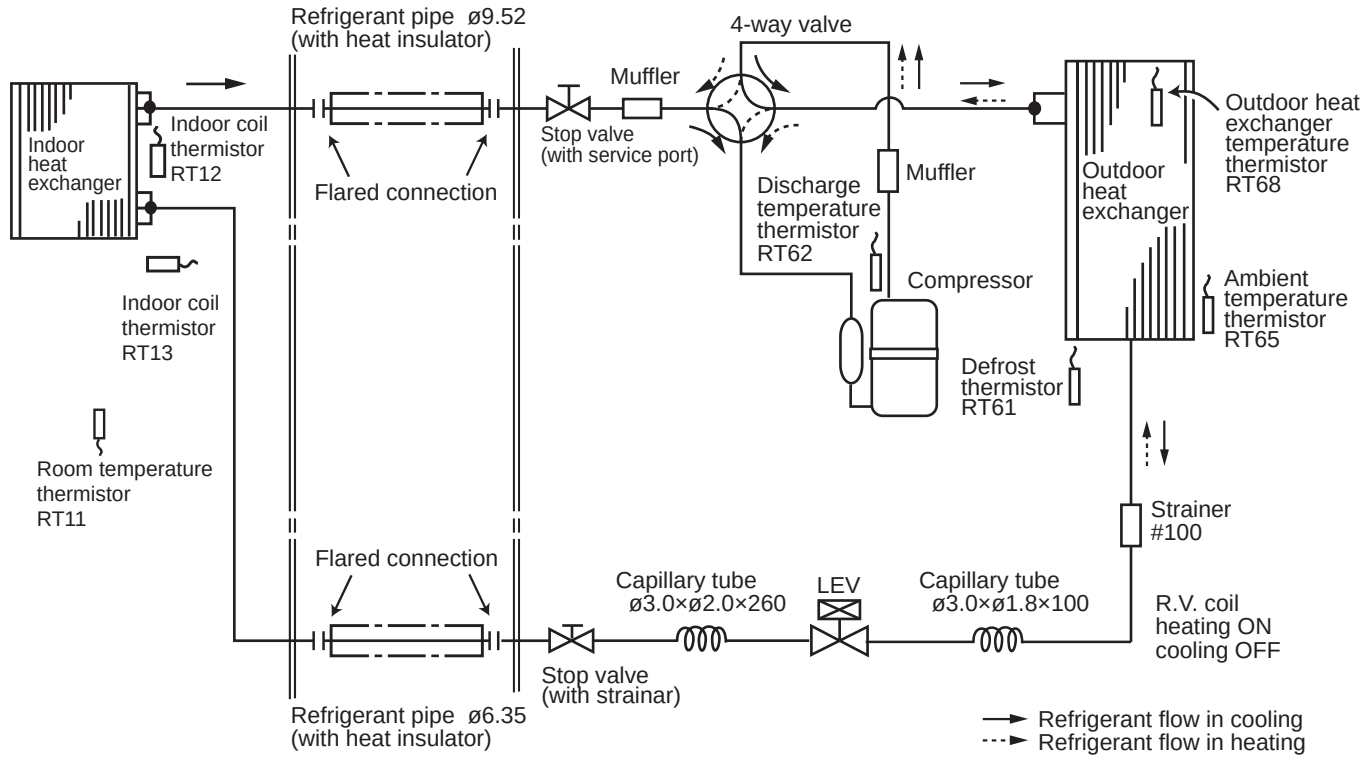
MSZ-HR25VF
INDOOR UNIT

MUZ-HR25VF
OUTDOOR UNIT



MSZ-HR35VF
INDOOR UNIT

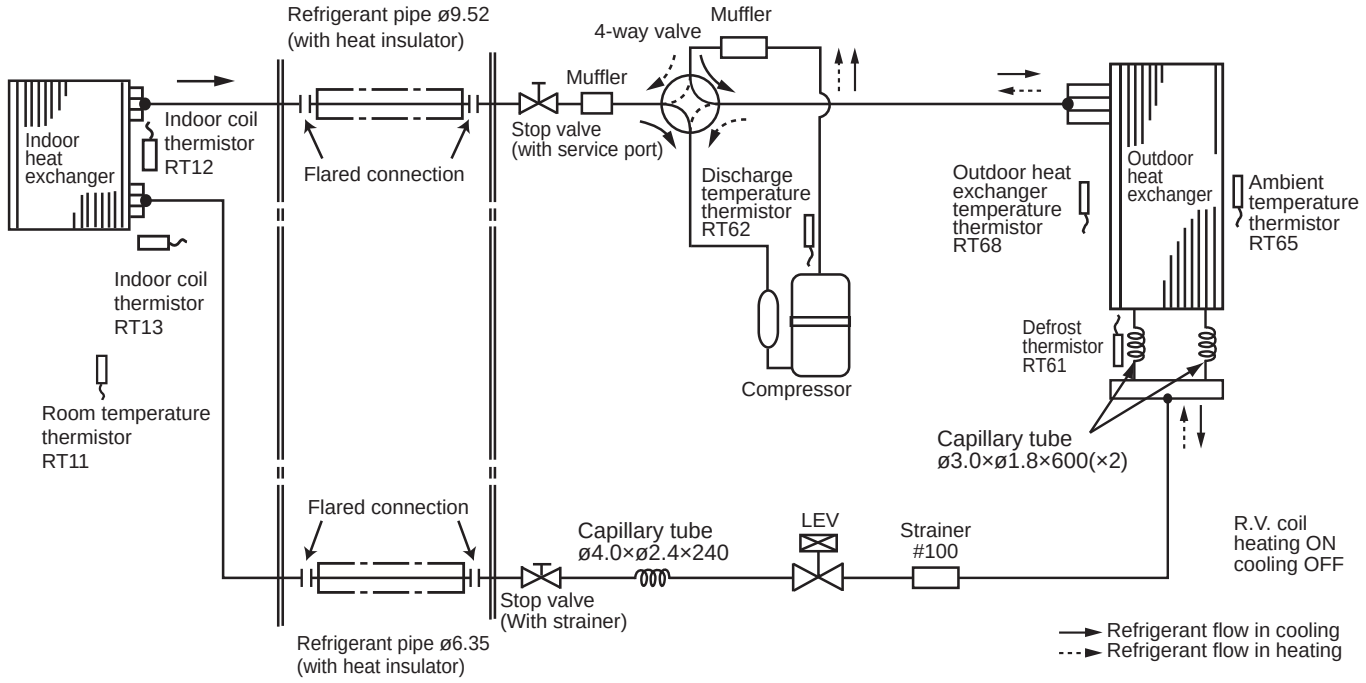
MUZ-HR35VF
OUTDOOR UNIT



Unit: mm

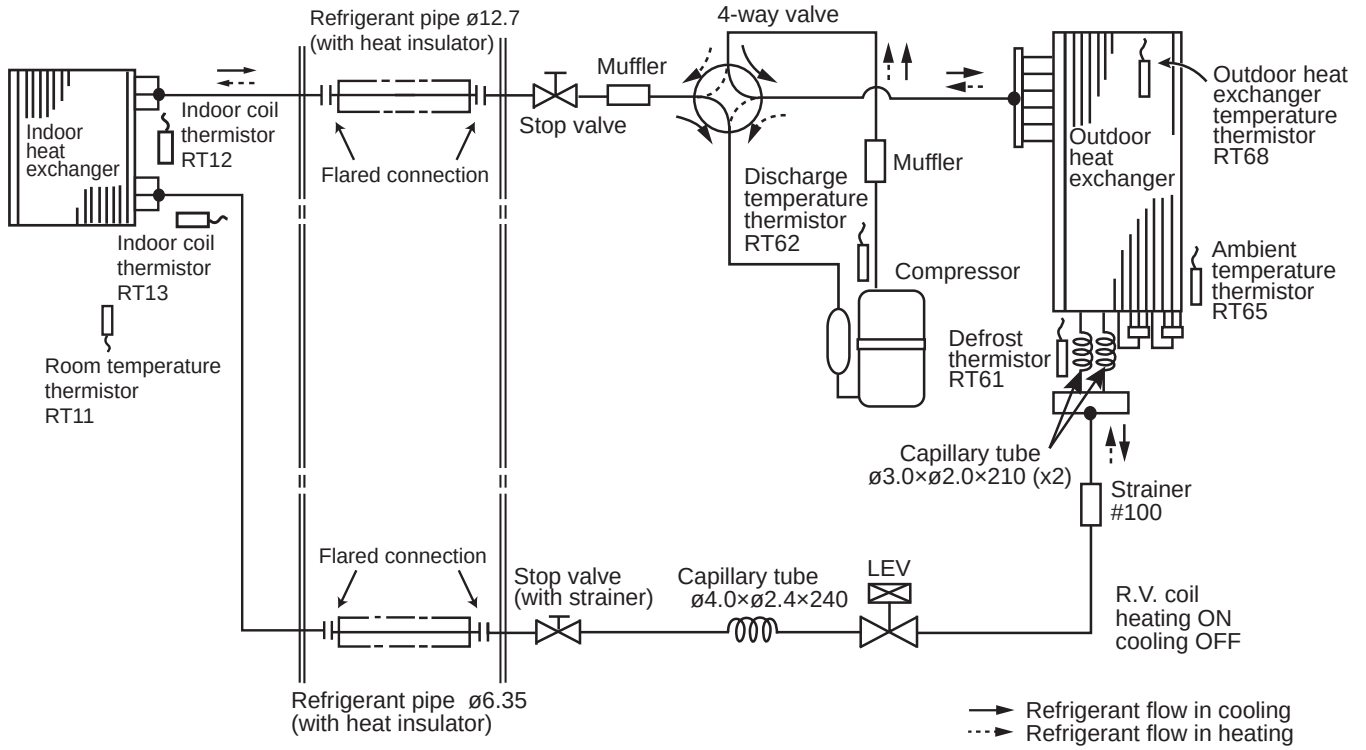
MSZ-HR42VF
MSZ-HR50VF
INDOOR UNIT

MUZ-HR42VF
MUZ-HR50VF
OUTDOOR UNIT



MSZ-HR60VF
MSZ-HR71VF
INDOOR UNIT

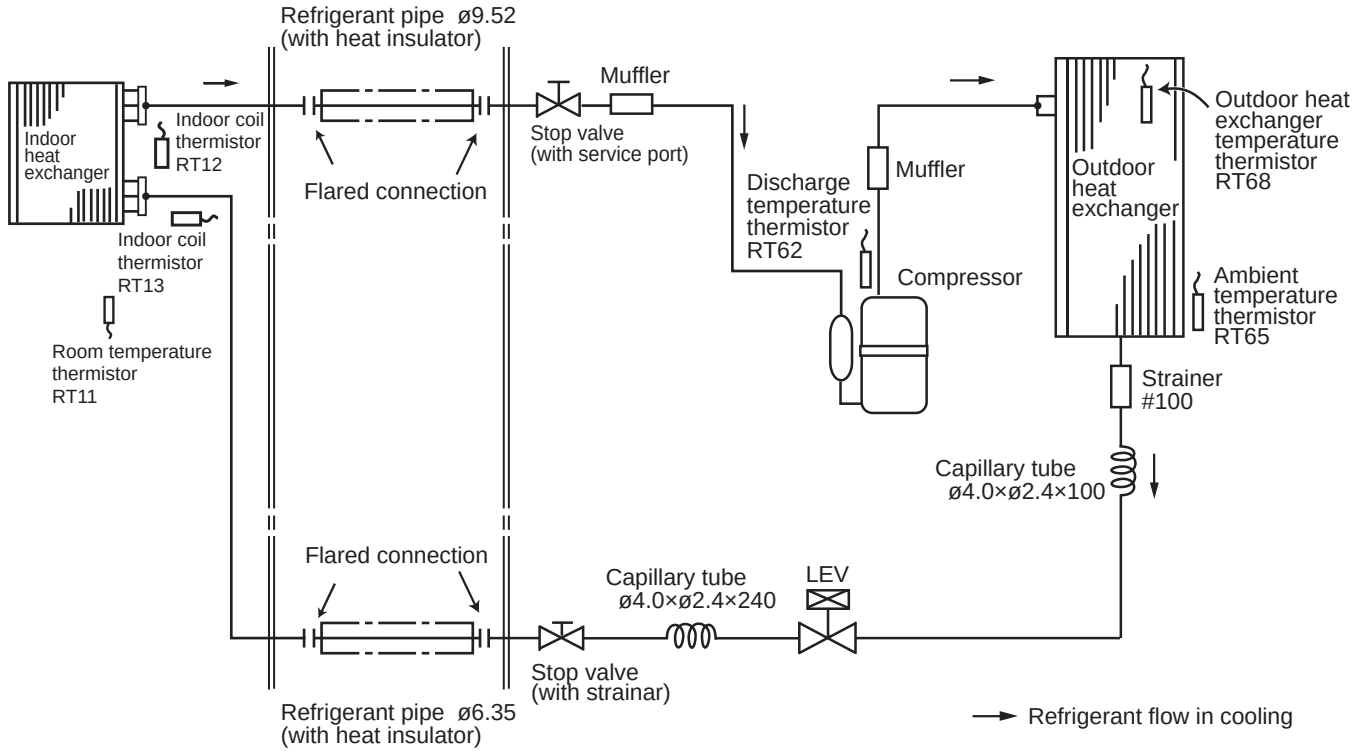
MUZ-HR60VF
MUZ-HR71VF
OUTDOOR UNIT



Unit: mm

MSY-TP35VF
MSY-TP50VF
INDOOR UNIT

MUY-TP35VF
MUY-TP50VF
OUTDOOR UNIT



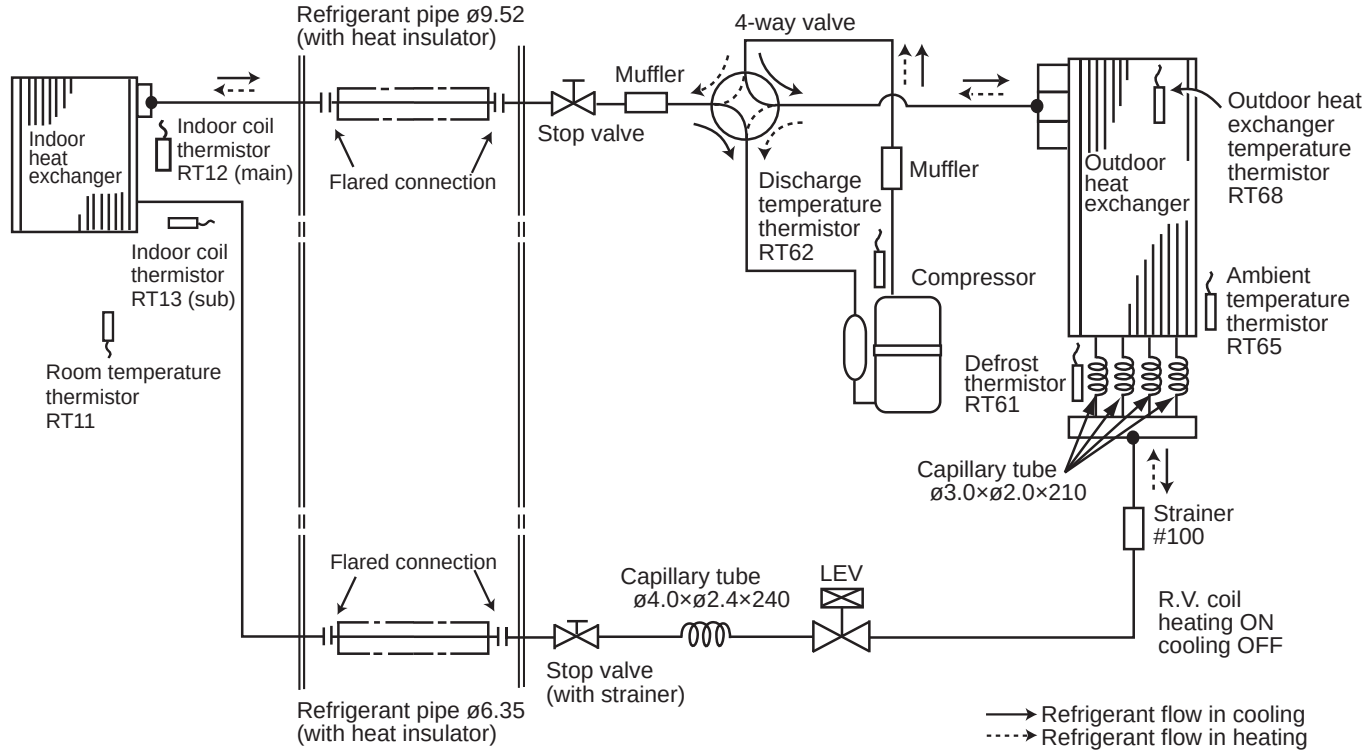
Unit: mm

MSZ-FH25VE2
MSZ-FH35VE2

INDOOR UNIT

MUZ-FH25VE
MUZ-FH25VEHZ
MUZ-FH35VE
MUZ-FH35VEHZ

OUTDOOR UNIT

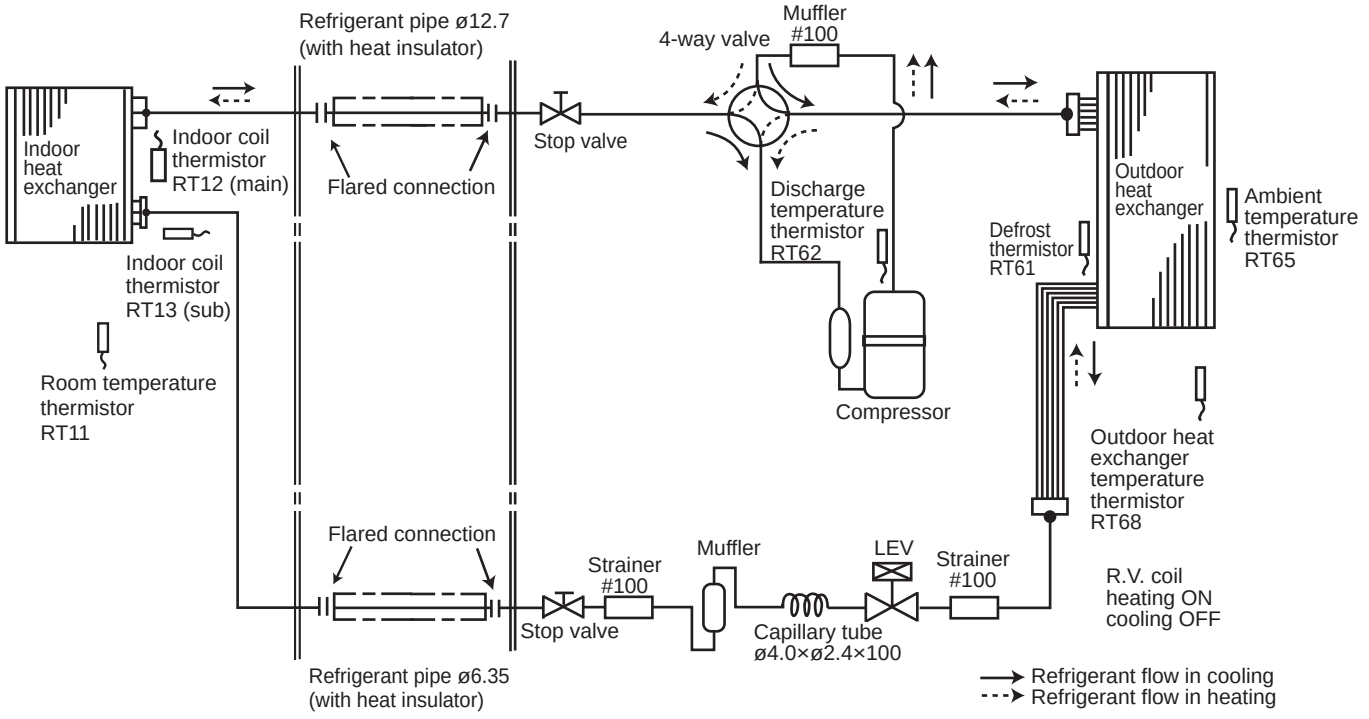


MSZ-FH50VE2

INDOOR UNIT

MUZ-FH50VE
MUZ-FH50VEHZ

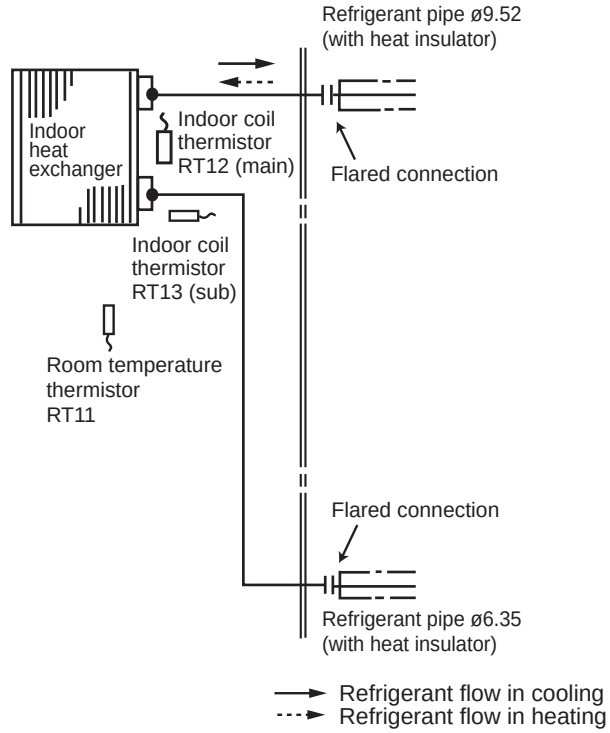
OUTDOOR UNIT



Unit: mm

MSZ-EF18VGW MSZ-EF18VGB MSZ-EF18VGS
MSZ-EF18VGKW MSZ-EF18VGKB MSZ-EF18VGKS
MSZ-EF22VGW MSZ-EF22VGB MSZ-EF22VGS
MSZ-EF22VGKW MSZ-EF22VGKB MSZ-EF22VGKS

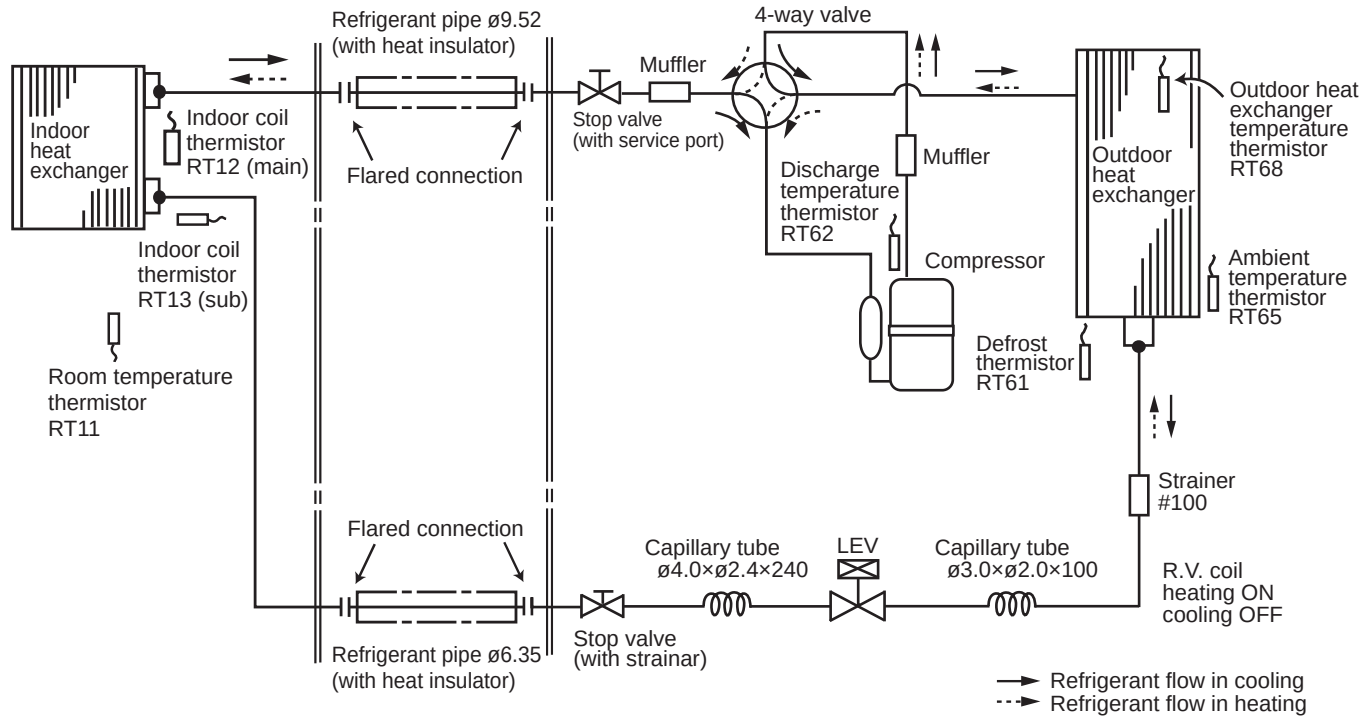
INDOOR UNIT **OUTDOOR UNIT**



For MXZ connection

MSZ-EF25VGW MSZ-EF25VGB MSZ-EF25VGS MUZ-EF25VG
MSZ-EF25VGKW MSZ-EF25VGKB MSZ-EF25VGKS MUZ-EF25VGH

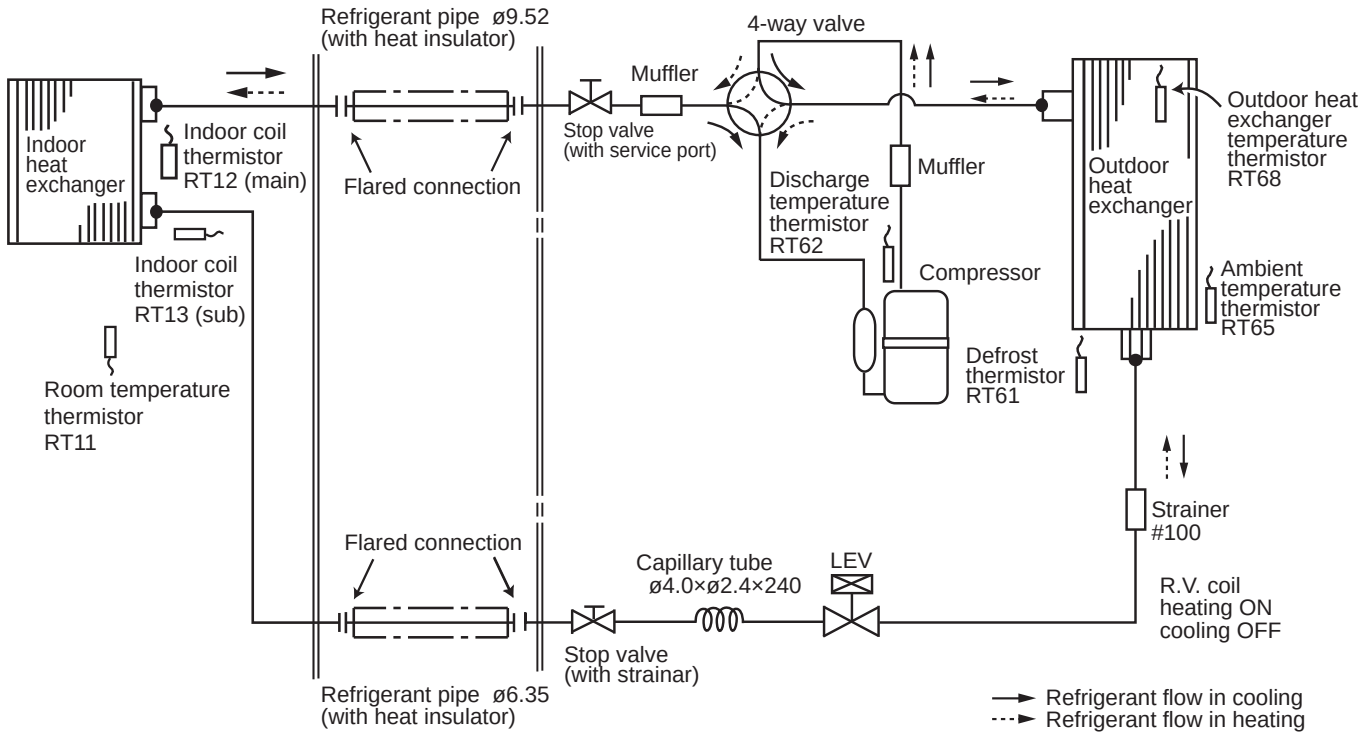
INDOOR UNIT **OUTDOOR UNIT**



Unit: mm

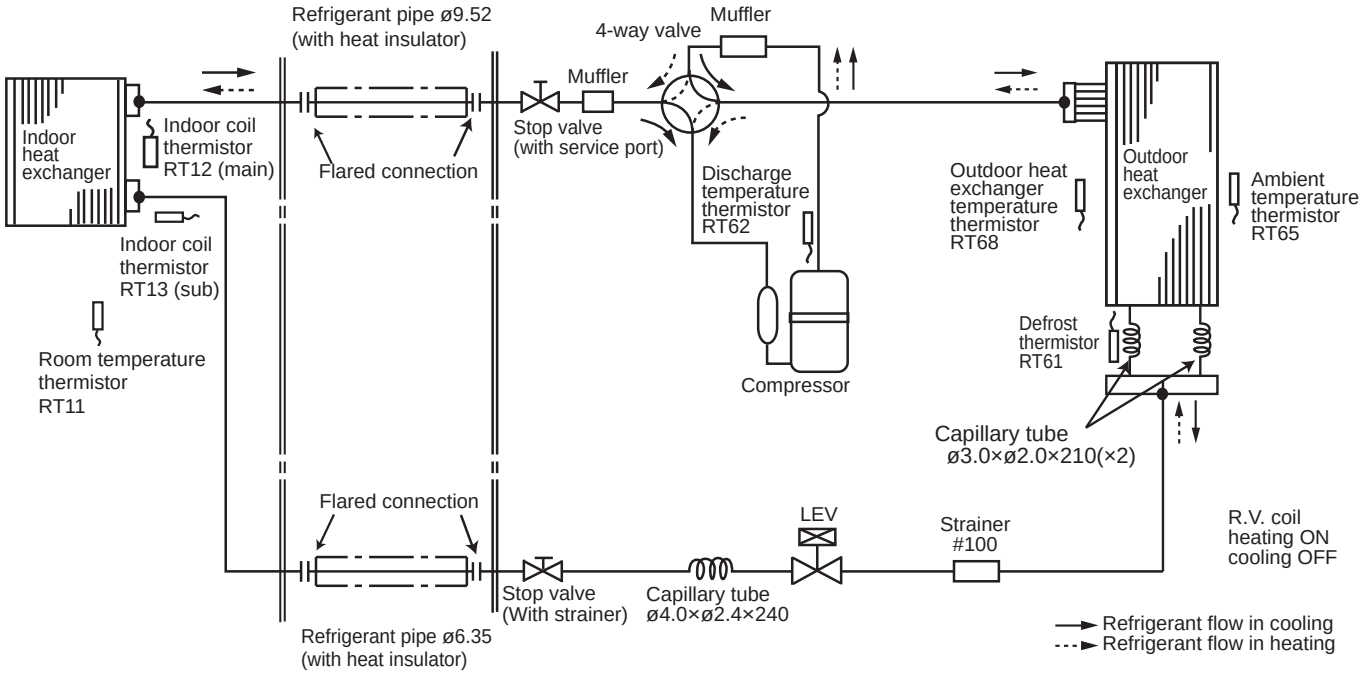
MSZ-EF35VGW MSZ-EF35VGB MSZ-EF35VGS
MSZ-EF35VGKW MSZ-EF35VGKB MSZ-EF35VGKS
MSZ-EF42VGW MSZ-EF42VGB MSZ-EF42VGS MUZ-EF35VG MUZ-EF42VG
MSZ-EF42VGKW MSZ-EF42VGKB MSZ-EF42VGKS MUZ-EF35VGH

INDOOR UNIT **OUTDOOR UNIT**



MSZ-EF50VGW MSZ-EF50VGB MSZ-EF50VGS
MSZ-EF50VGKW MSZ-EF50VGKB MSZ-EF50VGKS **MUZ-EF50VG**

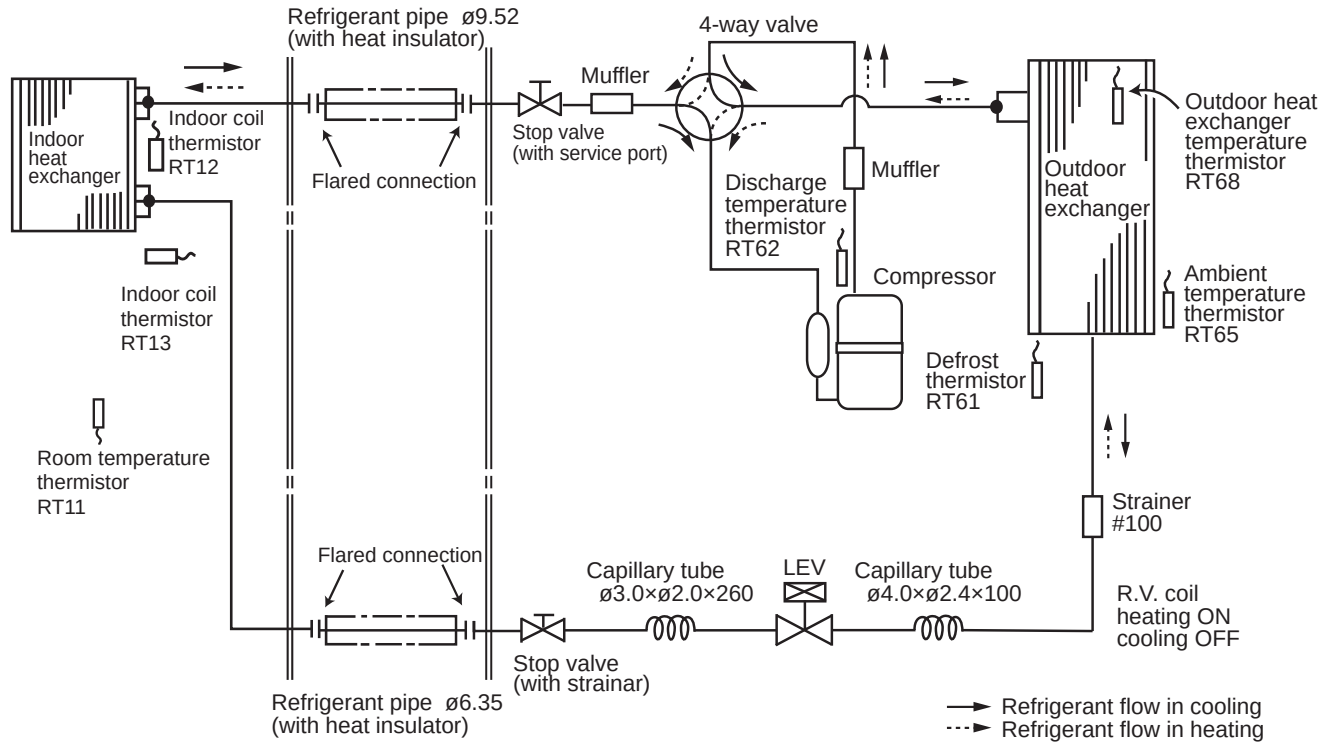
INDOOR UNIT **OUTDOOR UNIT**



Unit: mm

MSZ-BT20VG MSZ-BT25VG
MSZ-BT20VGK MSZ-BT25VGK

MUZ-BT20VG MUZ-BT25VG

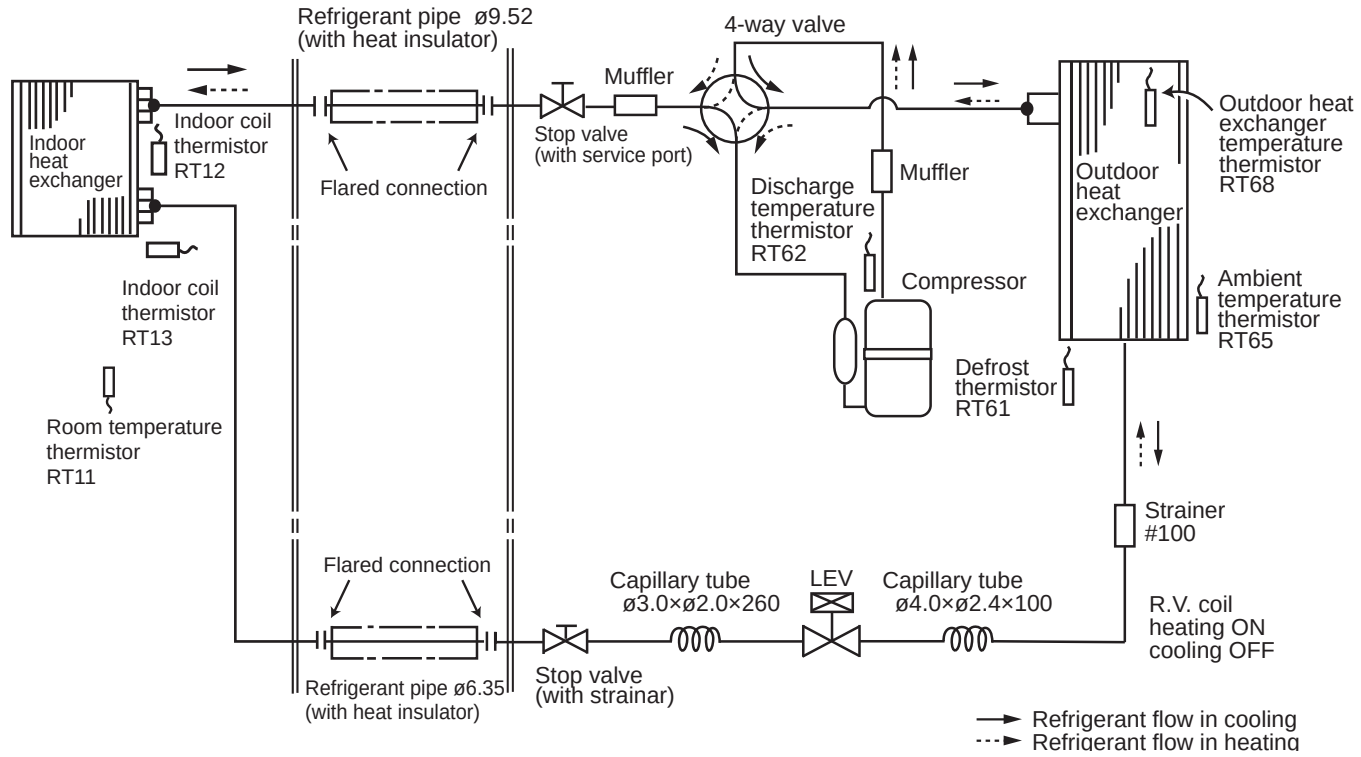


MSZ-BT35VG
MSZ-BT35VGK

INDOOR UNIT

MUZ-BT35VG

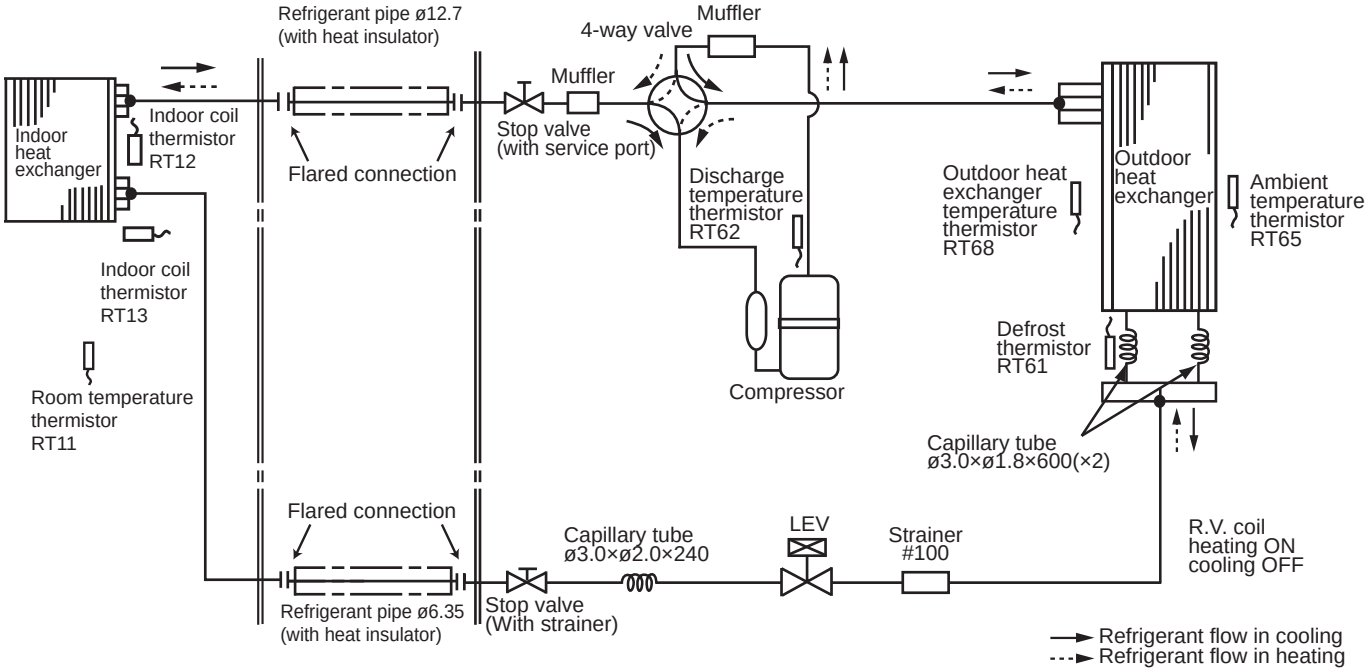
OUTDOOR UNIT



Unit: mm

MSZ-BT50VG
MSZ-BT50VGK
INDOOR UNIT

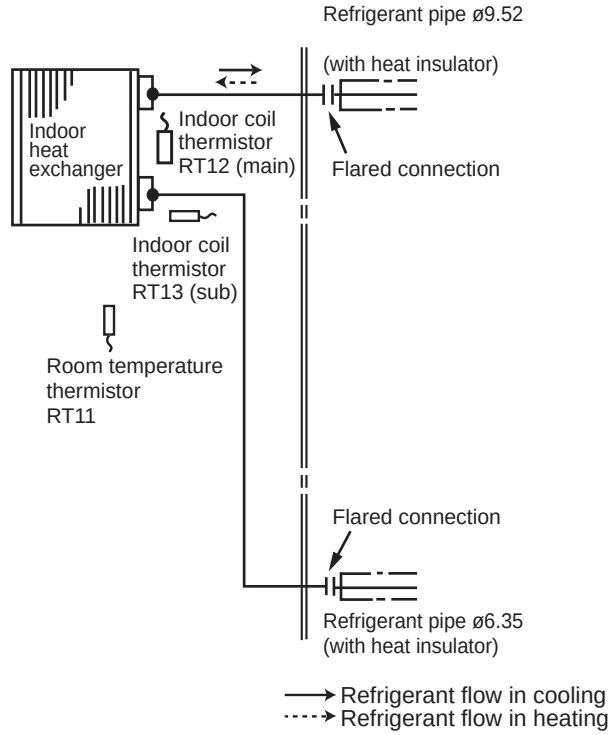
MUZ-BT50VG
OUTDOOR UNIT



Unit: mm

MSZ-SF15VA
MSZ-SF20VA

INDOOR UNIT **OUTDOOR UNIT**

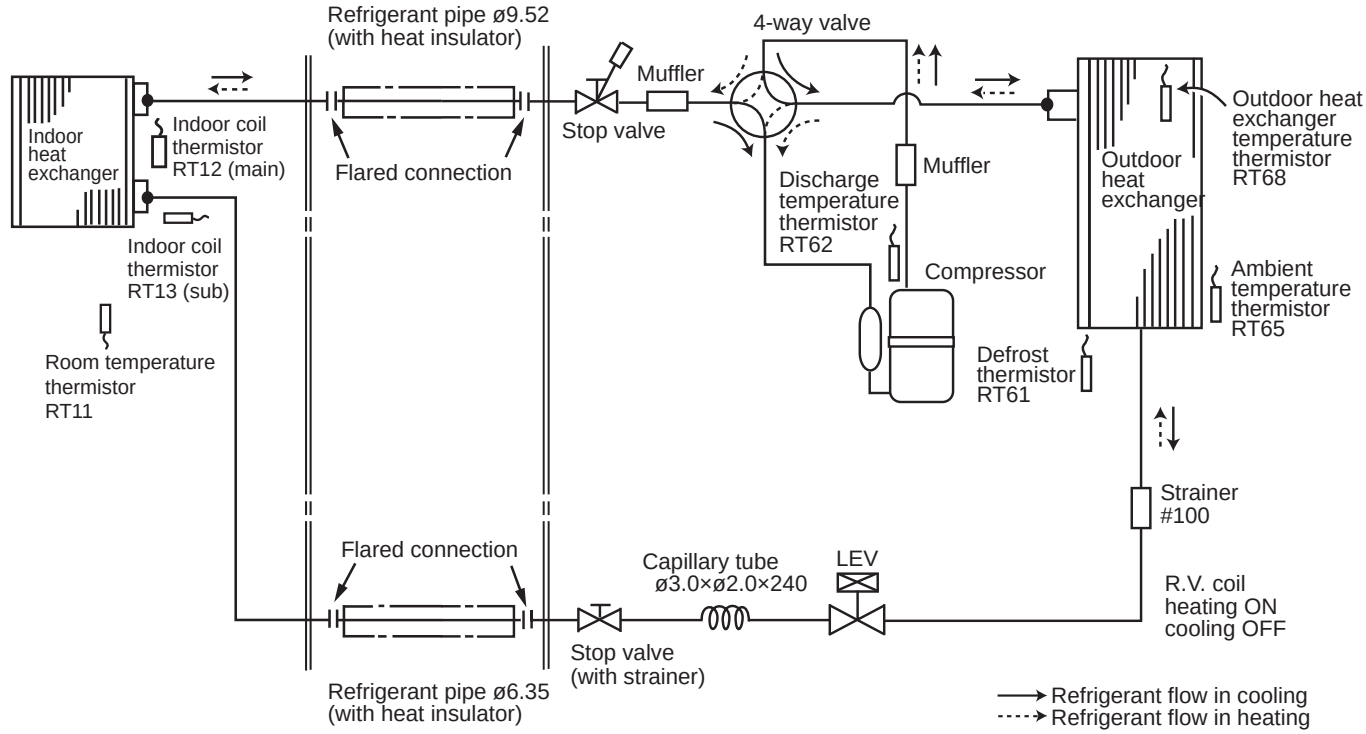


For MXZ connection

MSZ-SF25VE3
MSZ-SF35VE3

MUZ-SF25VE
MUZ-SF25VEH
MUZ-SF35VE
MUZ-SF35VEH

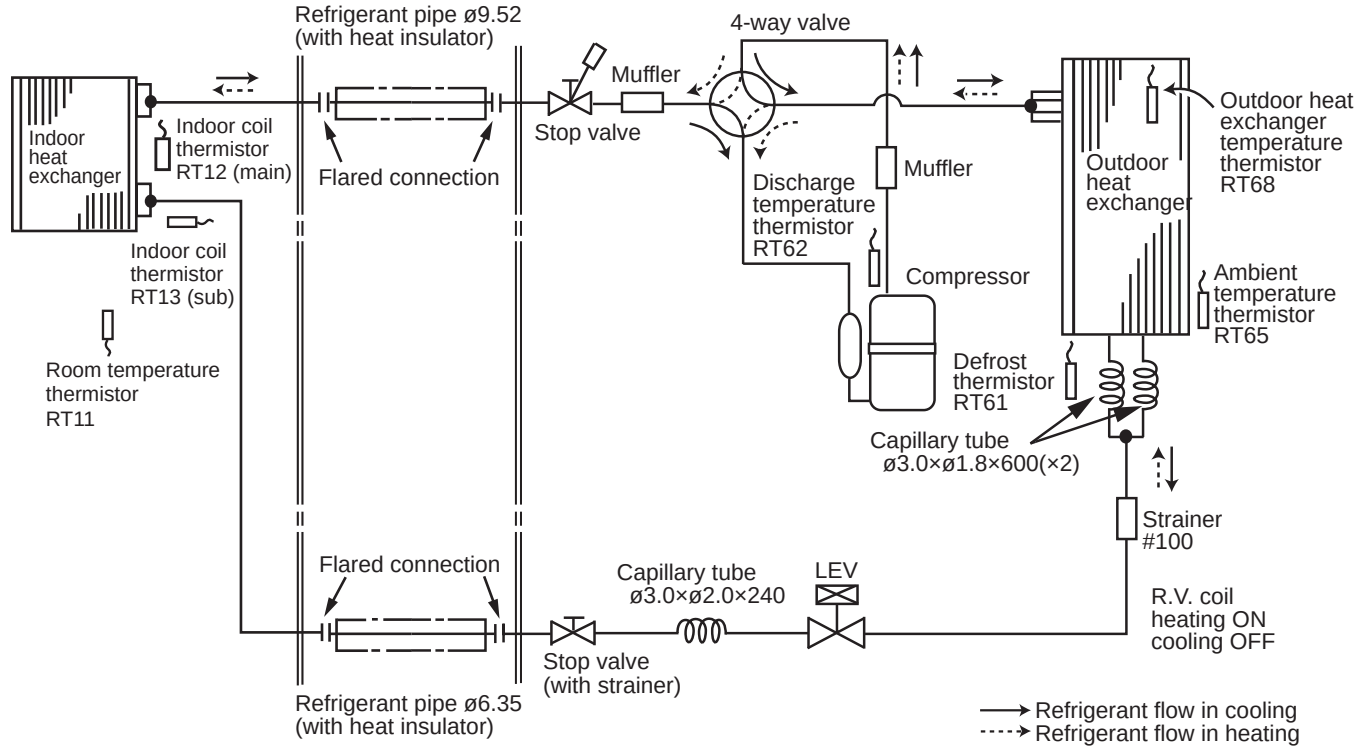
INDOOR UNIT **OUTDOOR UNIT**



Unit: mm

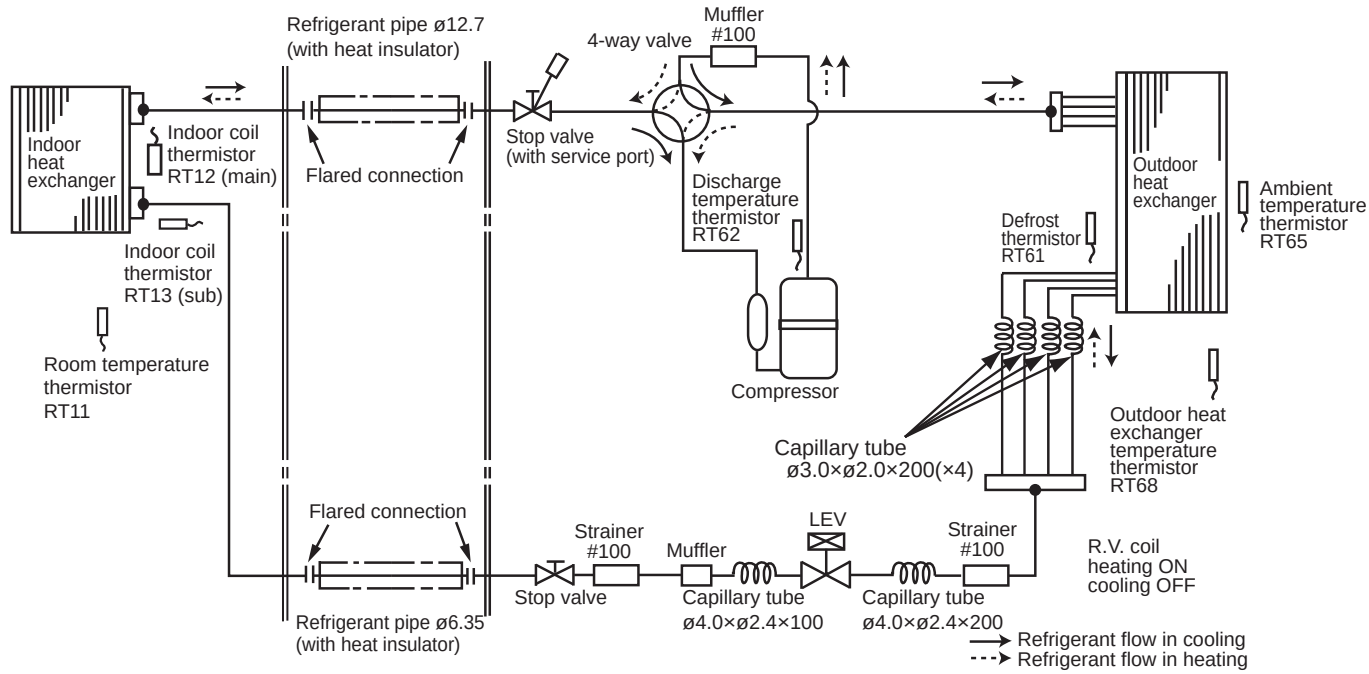
MSZ-SF42VE3
INDOOR UNIT

MUZ-SF42VE
MUZ-SF42VEH
OUTDOOR UNIT



MSZ-SF50VE3
INDOOR UNIT

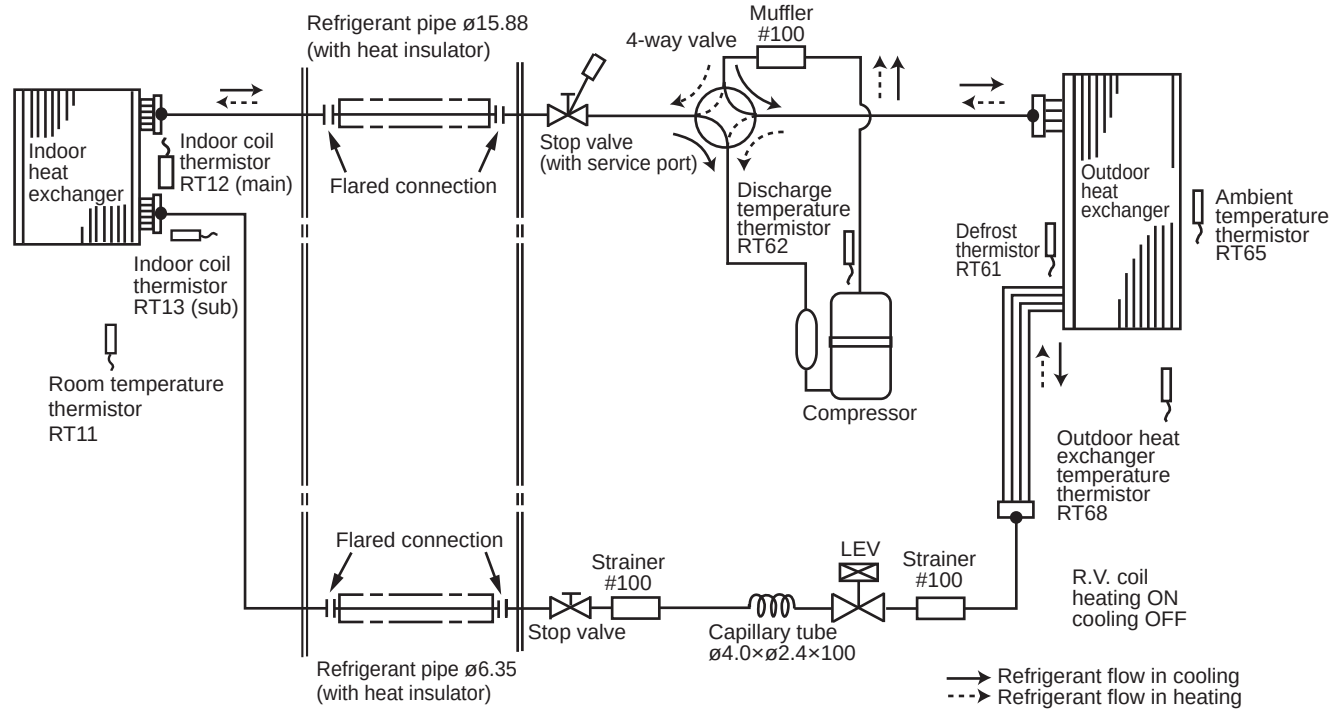
MUZ-SF50VE
MUZ-SF50VEH
OUTDOOR UNIT



Unit: mm

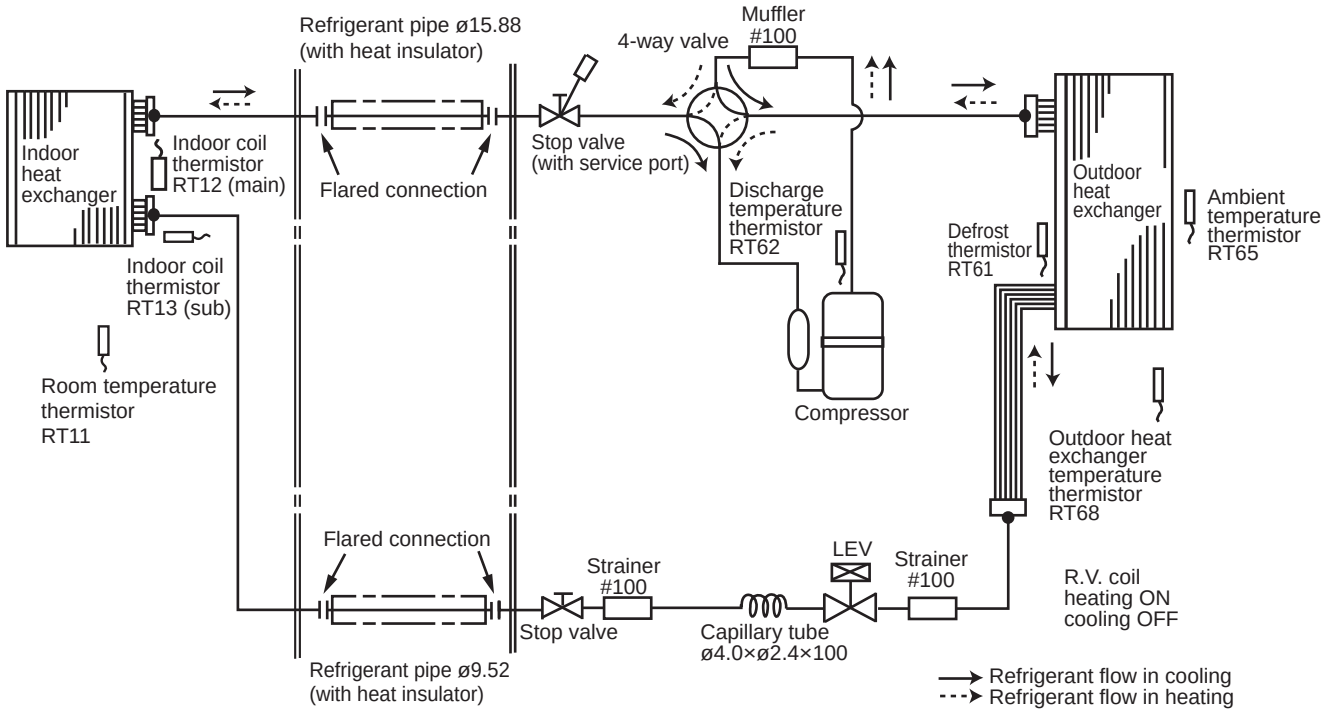
MSZ-GF60VE2
INDOOR UNIT

MUZ-GF60VE
OUTDOOR UNIT



MSZ-GF71VE2
INDOOR UNIT

MUZ-GF71VE
OUTDOOR UNIT



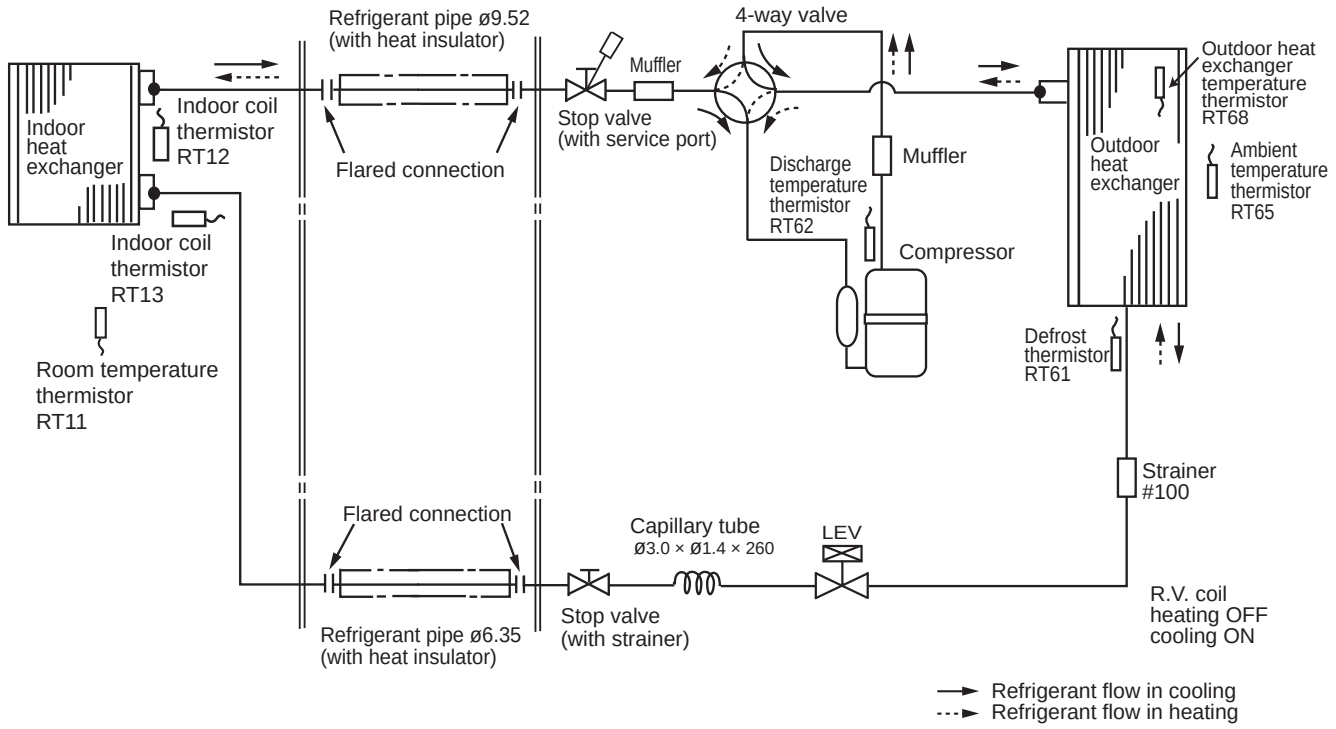
Unit: mm

MSZ-WN25VA
MSZ-WN35VA

INDOOR UNIT

MUZ-WN25VA
MUZ-WN35VA

OUTDOOR UNIT

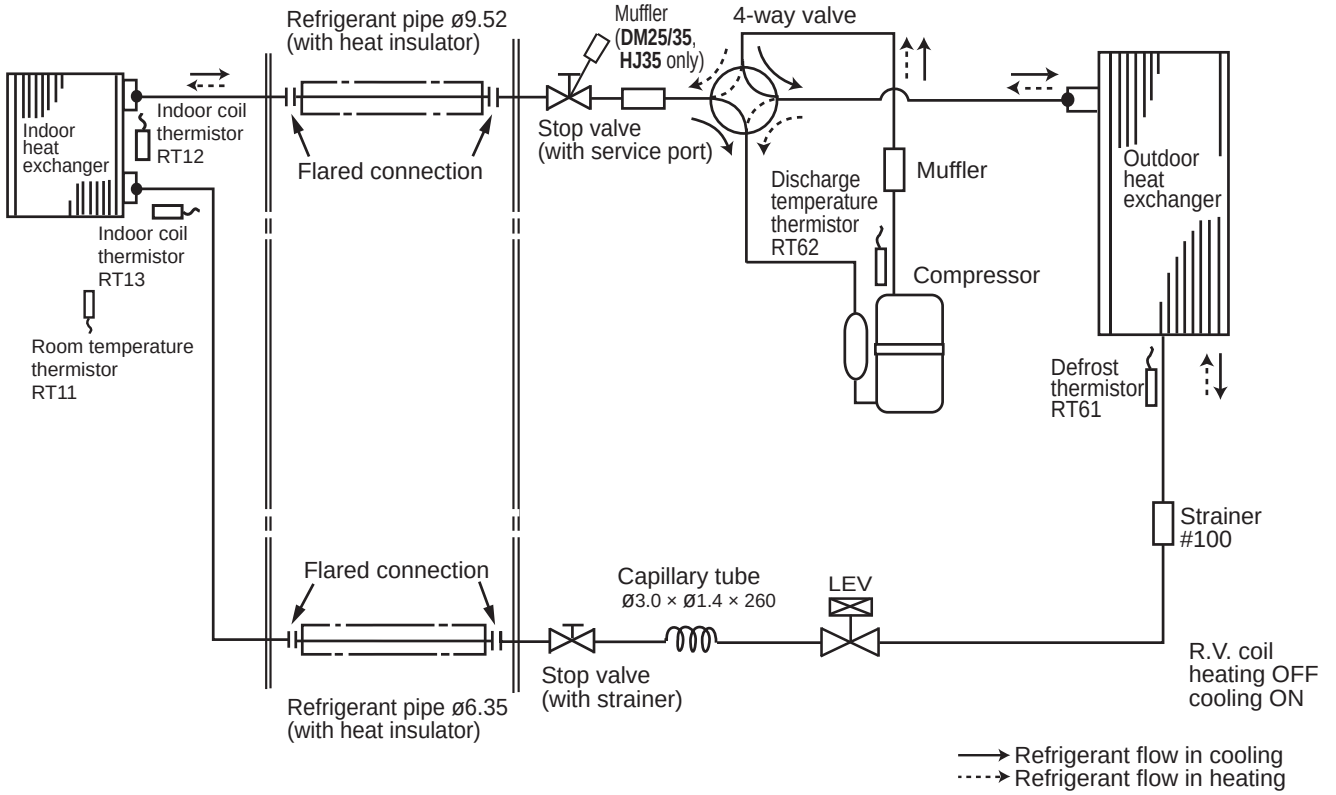


MSZ-DM25VA
MSZ-DM35VA
MSZ-HJ25VA
MSZ-HJ35VA

INDOOR UNIT

MUZ-DM25VA
MUZ-DM35VA
MUZ-HJ25VA
MUZ-HJ35VA

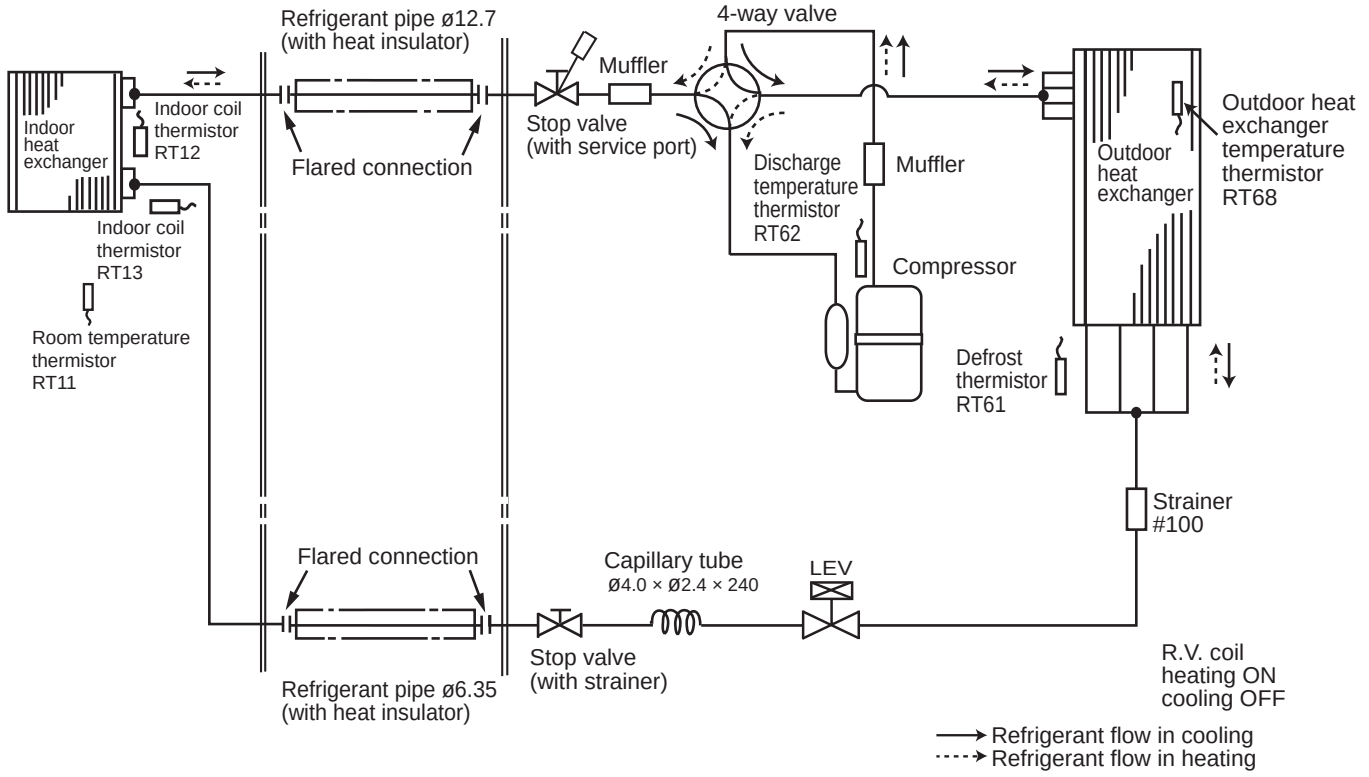
OUTDOOR UNIT



Unit: mm

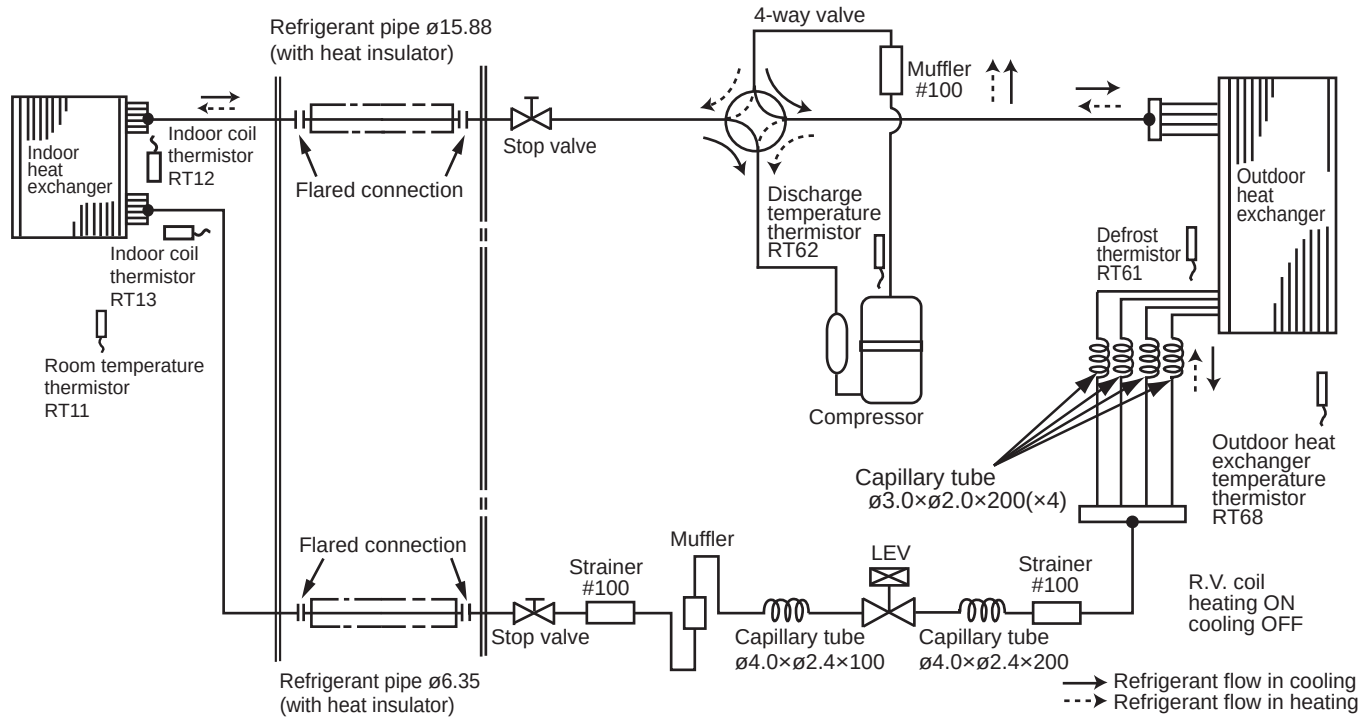
MSZ-HJ50VA / MUZ-HJ50VA

INDOOR UNIT **OUTDOOR UNIT**



MSZ-HJ60VA / MUZ-HJ60VA

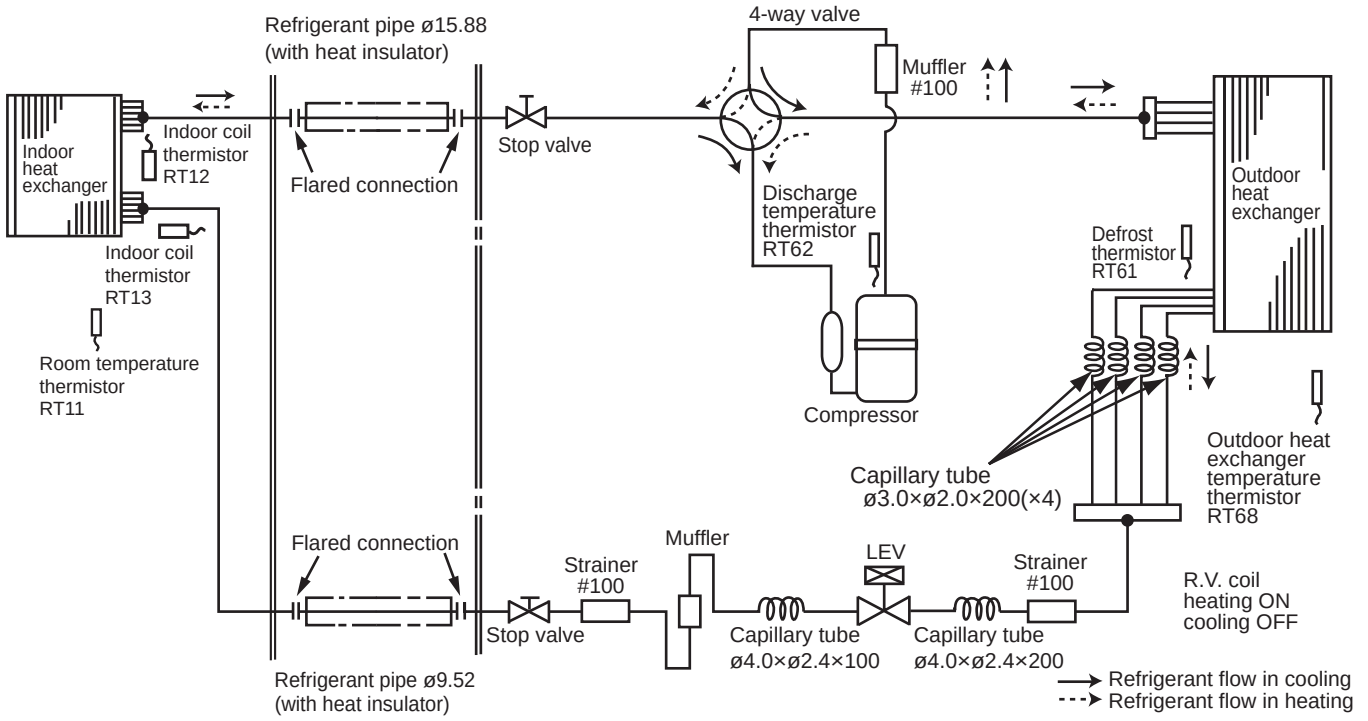
INDOOR UNIT **OUTDOOR UNIT**



Unit: mm

MSZ-HJ71VA **MUZ-HJ71VA**

INDOOR UNIT **OUTDOOR UNIT**



C.1.5 PERFORMANCE CURVES

The standard specifications apply only to the operation of the air conditioner under normal conditions, since operating conditions vary according to the areas where these units are installed. The following information has been provided to clarify the operating characteristics of the air conditioner under the conditions indicated by the performance curve.

(1) GUARANTEED VOLTAGE

198~264 V, (50 Hz)

(2) AIR FLOW

Air flow should be set at MAX.

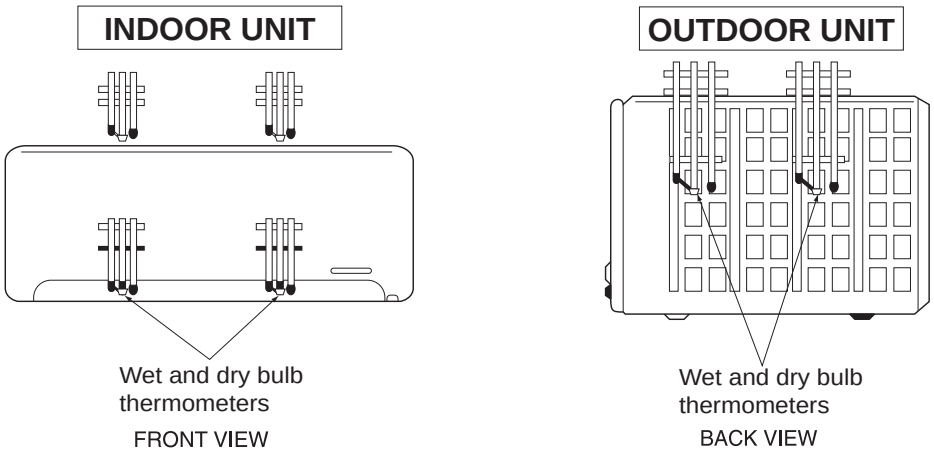
(3) MAIN READINGS

(1) Indoor intake air wet-bulb temperature :	°CWB	Cooling
(2) Indoor outlet air wet-bulb temperature :	°CWB	
(3) Outdoor intake air dry-bulb temperature :	°CDB	
(4) Total input:	W	
(5) Indoor intake air dry-bulb temperature :	°CDB	Heating
(6) Outdoor intake air wet-bulb temperature :	°CWB	
(7) Total input :	W	

Indoor air wet and dry bulb temperature difference on the left side of the following chart shows the difference between the indoor intake air wet and dry bulb temperature and the indoor outlet air wet and dry bulb temperature for your reference at service.

How to measure the indoor air wet/dry bulb temperature difference

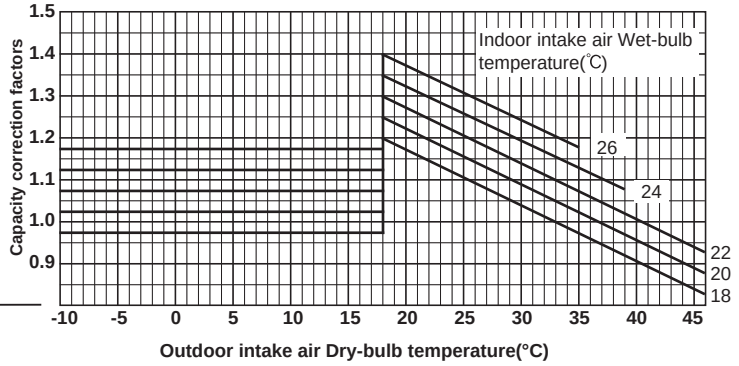
1. Attach at least 2 sets of wet and dry bulb thermometers to the indoor air intake as shown in the figure, and at least 2 sets of wet and dry bulb thermometers to the indoor air outlet. The thermometers must be attached to the position where air speed is high.
2. Attach at least 2 sets of wet and dry bulb thermometers to the outdoor air intake. Cover the thermometers to prevent direct rays of the sun.
3. Check that the air filter is cleaned.
4. Open windows and doors of room.
5. Press the EMERGENCY OPERATION switch once (twice) to start the EMERGENCY COOL (HEAT) MODE.
6. When system stabilizes after more than 15 minutes, measure temperature and take an average temperature.
7. 10 minutes later, measure temperature again and check that the temperature does not change.



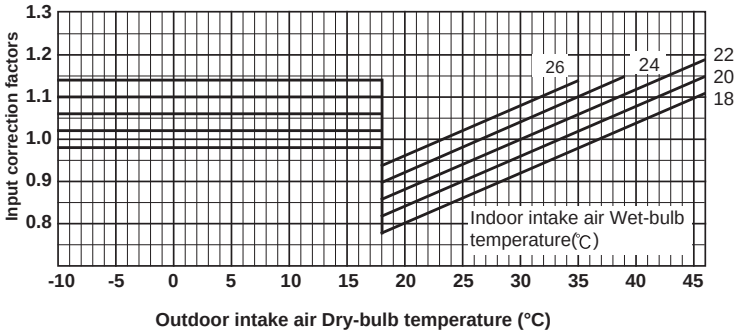
C.1.5.1 Inverter
CAPACITY AND THE INPUT CURVES

Cooling capacity (at Rated frequency)

Indoor air Wet-bulb temperature difference (°C)	MUZ-LN25VG2	MUZ-LN35VG2	MUZ-LN50VG2	MUZ-LN60VG
5.3	7.4	10.4	11.4	
4.9	6.8	9.6	10.5	
4.6	6.3	8.8	9.6	
4.2	5.7	8.0	8.7	
3.8	5.2	7.2	7.9	
3.4	4.7	6.5	7.1	
3.1	4.2	5.8	6.3	

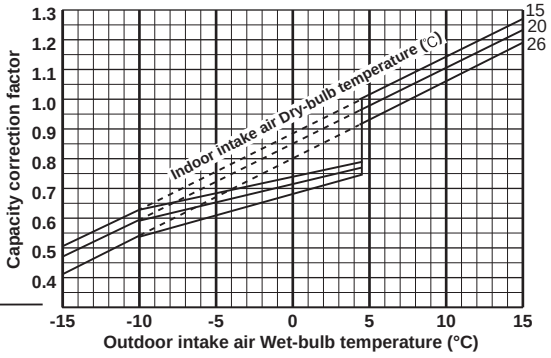


Total input (Cooling : at Rated frequency)

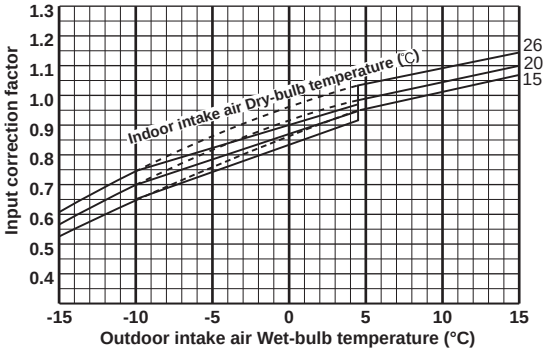


Heating capacity (at Rated frequency)

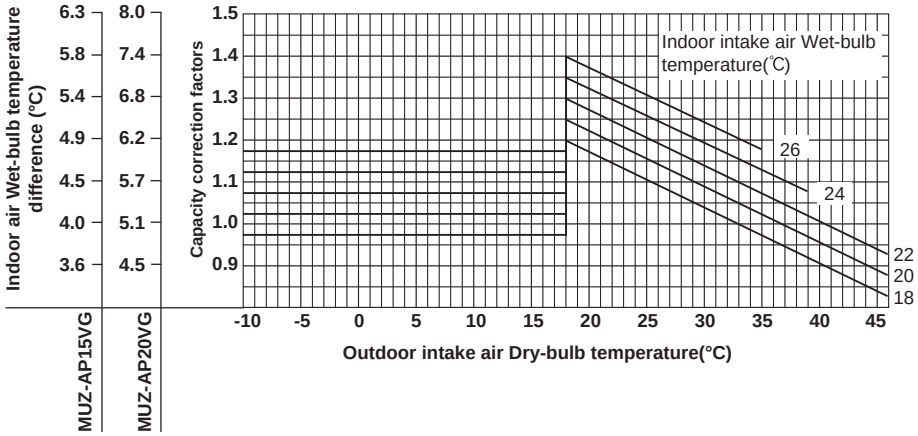
Indoor air Wet-bulb temperature difference (°C)	MUZ-LN25VG2	MUZ-LN35VG2	MUZ-LN50VG2	MUZ-LN60VG
15.1	18.8	25.0	28.3	
13.9	17.4	23.1	26.1	
12.7	15.9	21.1	24.0	
11.6	14.5	19.2	21.8	
10.4	13.0	17.3	19.6	
9.3	11.6	15.4	17.4	
8.1	10.1	13.5	15.3	
6.9	8.7	11.5	13.1	
5.8	7.2	9.6	10.9	
4.6	5.8	7.7	8.7	



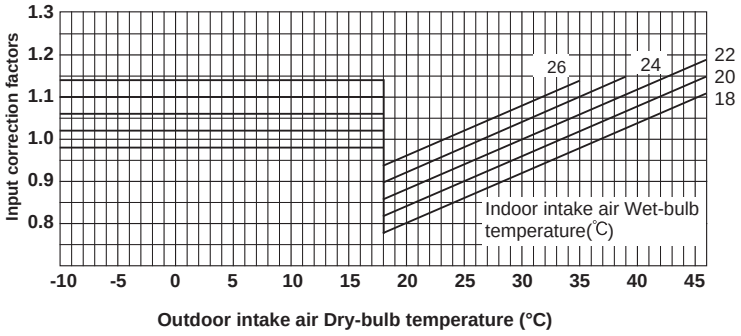
Total input (Heating : at Rated frequency)



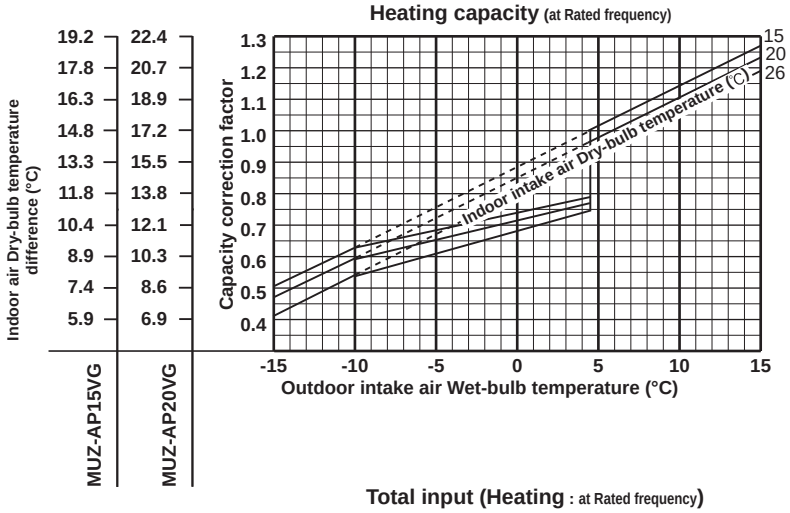
Cooling capacity (at Rated frequency)



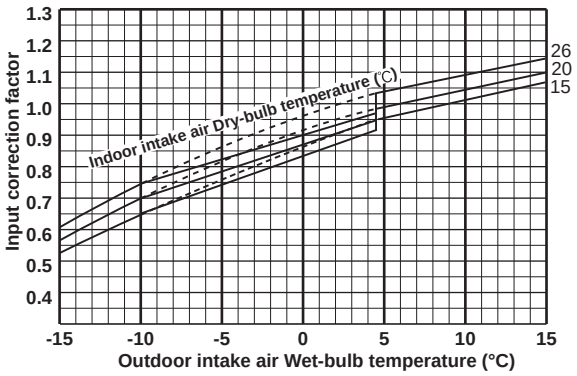
Total input (Cooling : at Rated frequency)



Heating capacity (at Rated frequency)



Total input (Heating : at Rated frequency)

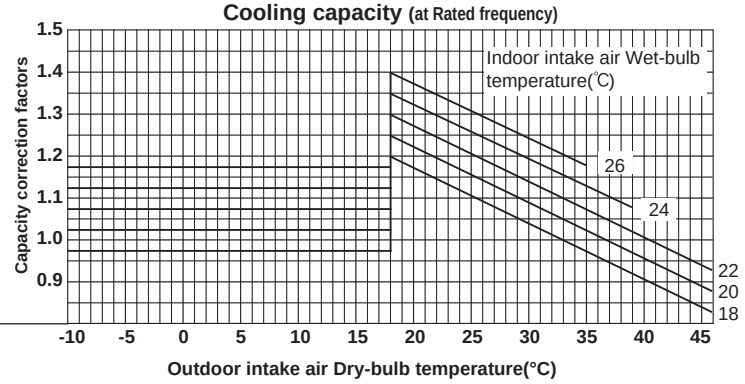


Lower limit of guaranteed operating range in heating
MUZ-AP15VG: -15°C
MUZ-AP20VG: -15°C

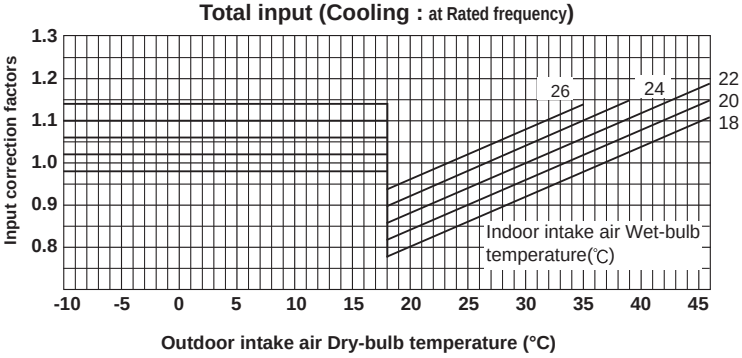
NOTE: The above broken lines are for the heating operation without any frost and defrost operation.

Indoor air Wet-bulb temperature difference (°C)	MUZ-AP25VG MUZ-AP25VGH	MUZ-AP35VG MUZ-AP35VGH	MUZ-AP42VG MUZ-AP42VGH	MUZ-AP50VG MUZ-AP50VGH	MUZ-AP60VG	MUZ-AP71VG
5.9	8.6	10.7	11.7	9.1	11.2	
5.4	7.9	9.9	10.8	8.4	10.3	
5.0	7.3	9.0	9.9	7.7	9.4	
4.6	6.7	8.2	9.0	7.0	8.6	
4.2	6.0	7.4	8.1	6.4	7.7	
3.8	5.4	6.7	7.2	5.7	6.9	
3.4	4.8	5.9	6.4	5.1	6.1	

Cooling capacity (at Rated frequency)

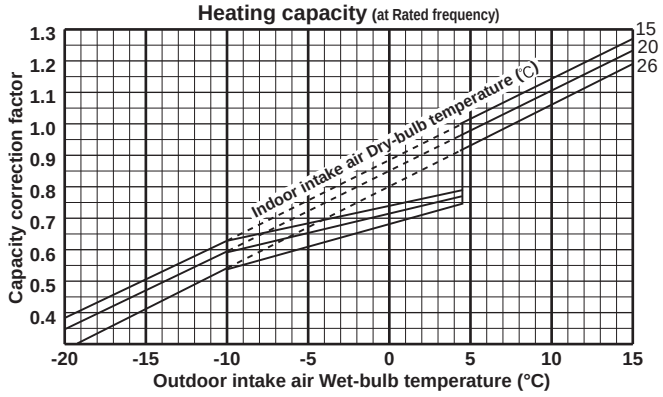


Total input (Cooling : at Rated frequency)

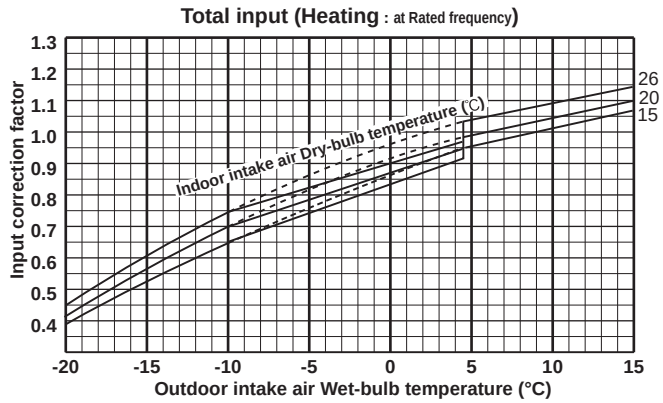


Indoor air Dry-bulb temperature difference (°C)	MUZ-AP25VG MUZ-AP25VGH	MUZ-AP35VG MUZ-AP35VGH	MUZ-AP42VG MUZ-AP42VGH	MUZ-AP50VG MUZ-AP50VGH	MUZ-AP60VG	MUZ-AP71VG
16.2	20.3	25.2	27.1	21.9	27.6	
15.0	18.7	23.3	25.0	20.2	25.5	
13.7	17.2	21.3	22.9	18.5	23.3	
12.5	15.6	19.4	20.8	16.8	21.2	
11.2	14.0	17.5	18.8	15.2	19.1	
10.0	12.5	15.5	16.7	13.5	17.0	
8.7	10.9	13.6	14.6	11.8	14.9	
7.5	9.4	11.6	12.5	10.1	12.7	
6.2	7.8	9.7	10.4	8.4	10.6	
5.0	6.2	7.8	8.3	6.7	8.5	

Heating capacity (at Rated frequency)



Total input (Heating : at Rated frequency)

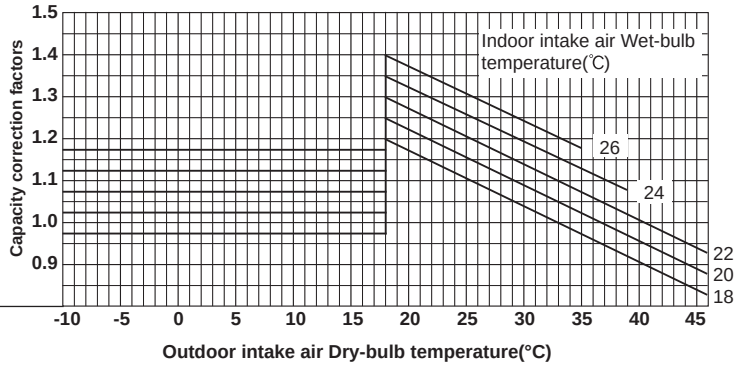


Lower limit of guaranteed operating range in heating
MUZ-AP25/35/42/50/60/71VG: -15°C
MUZ-AP25/35/42/50VGH: -20°C

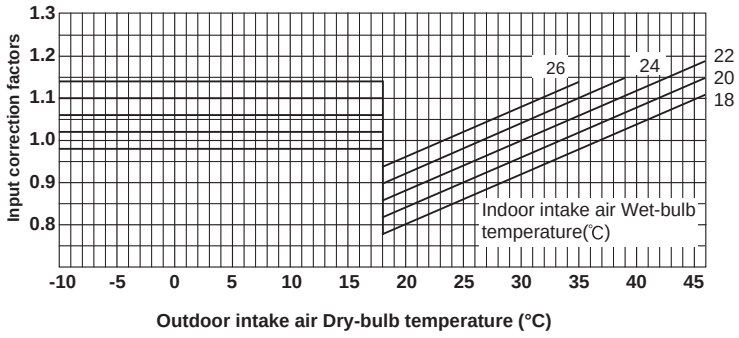
NOTE: The above broken lines are for the heating operation without any frost and defrost operation.

Cooling capacity (at Rated frequency)

Indoor air Wet-bulb temperature difference (°C)	MUZ-HR25VF	MUZ-HR35VF	MUZ-HR42VF	MUZ-HR50VF	MUZ-HR60VF	MUZ-HR71VF
7.0	8.1	9.1	11.2	8.7	10.5	
6.5	7.5	8.4	10.3	8.1	9.7	
6.0	6.8	7.7	9.4	7.4	8.8	
5.5	6.3	7.0	8.6	6.8	8.0	
5.0	5.7	6.3	7.7	6.1	7.3	
4.5	5.1	5.7	6.9	5.5	6.5	
4.0	4.5	5.1	6.1	4.9	5.8	

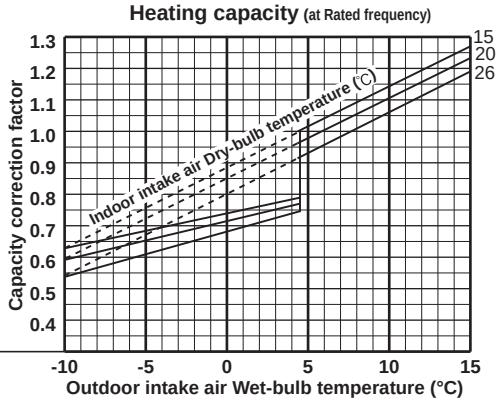


Total input (Cooling : at Rated frequency)

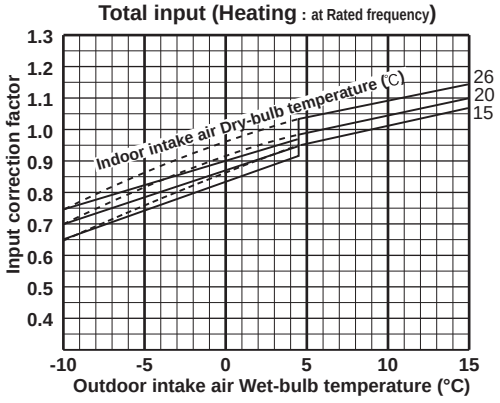


Heating capacity (at Rated frequency)

Indoor air Dry-bulb temperature difference (°C)	MUZ-HR25VF	MUZ-HR35VF	MUZ-HR42VF	MUZ-HR50VF	MUZ-HR60VF	MUZ-HR71VF
20.4	22.4	22.9	24.4	22.7	27.0	
18.8	20.7	21.2	22.5	20.9	24.9	
17.3	19.0	19.4	20.6	19.2	22.9	
15.7	17.2	17.6	18.7	17.5	20.8	
14.1	15.5	15.9	16.9	15.7	18.7	
12.6	13.8	14.1	15.0	14.0	16.6	
11.0	12.1	12.3	13.1	12.2	14.6	
9.4	10.3	10.6	11.2	10.5	12.5	
7.8	8.6	8.8	9.4	8.7	10.4	
6.3	6.9	7.1	7.5	7.0	8.3	



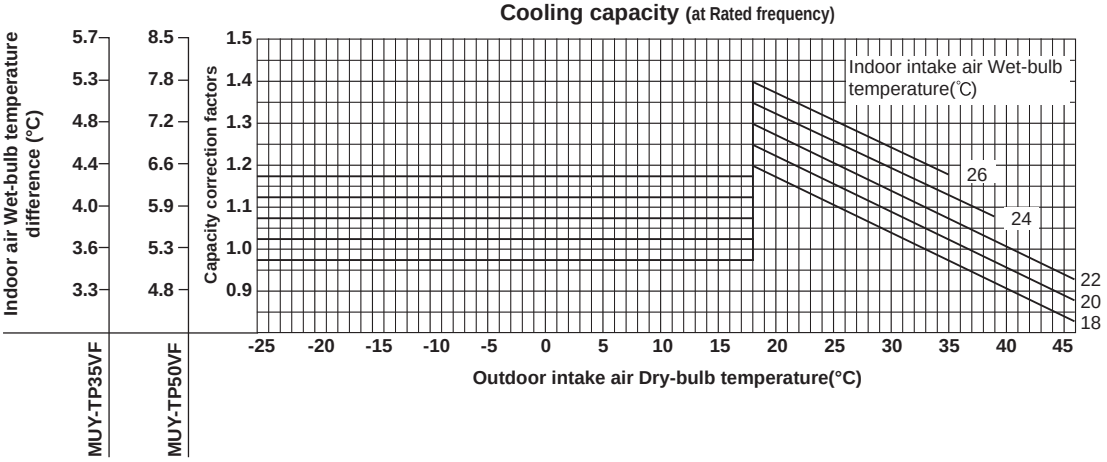
Total input (Heating : at Rated frequency)



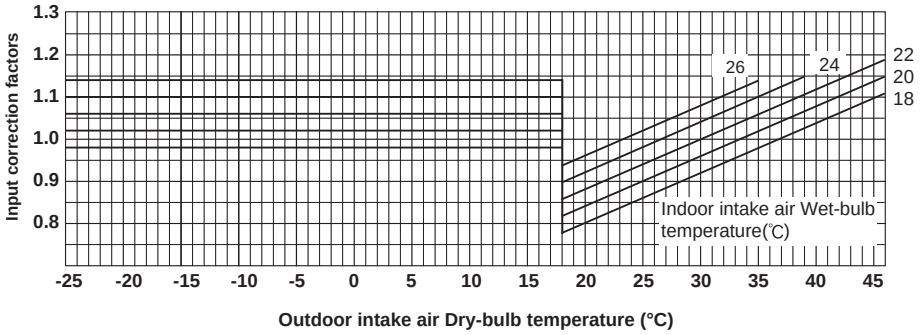
Lower limit of guaranteed operating range in heating
MUZ-HR25/35/42/50VF: -10°C

NOTE: The above broken lines are for the heating operation without any frost and defrost operation.

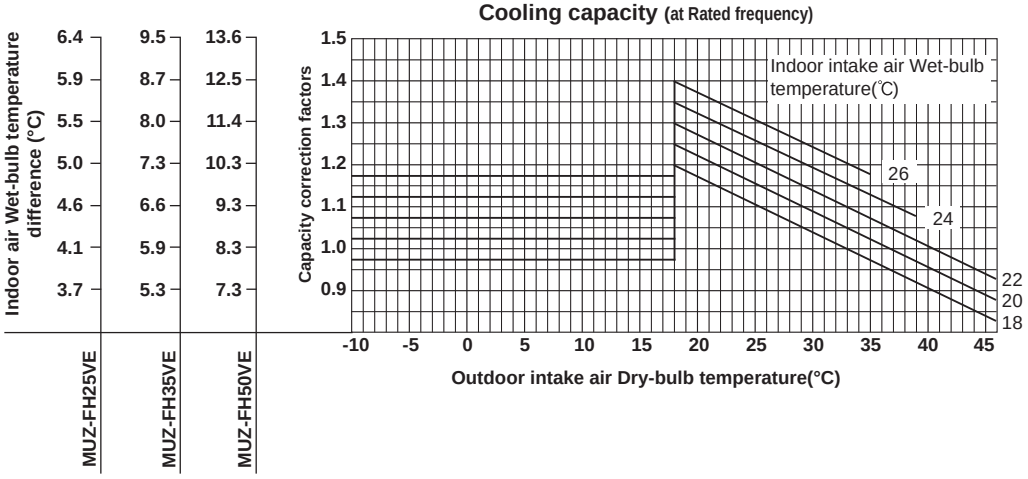
Cooling capacity (at Rated frequency)



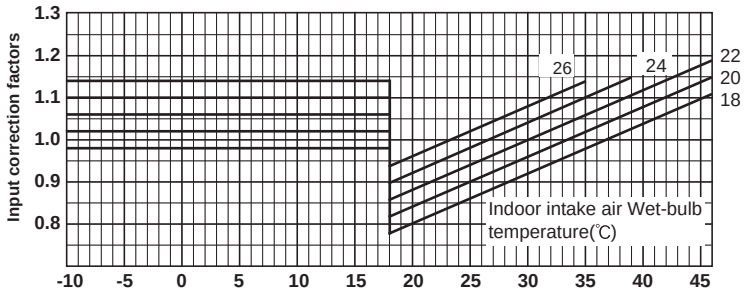
Total input (Cooling : at Rated frequency**)**



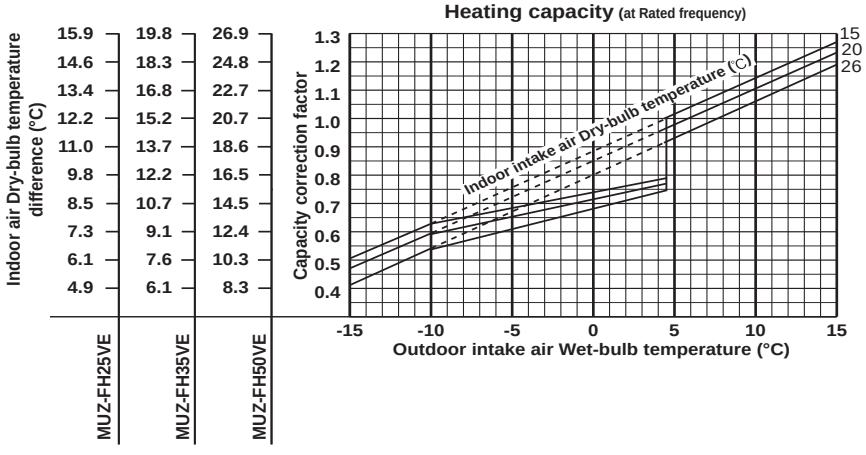
Cooling capacity (at Rated frequency)



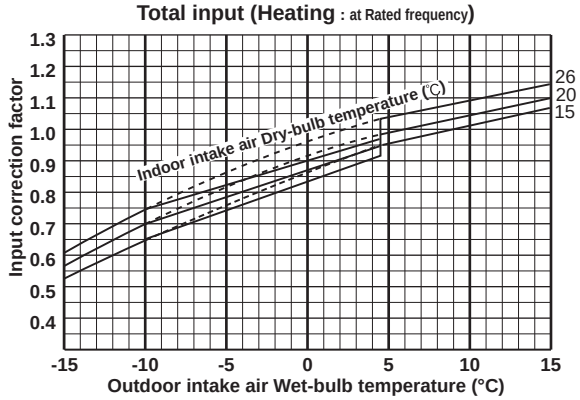
Total input (Cooling : at Rated frequency)



Heating capacity (at Rated frequency)

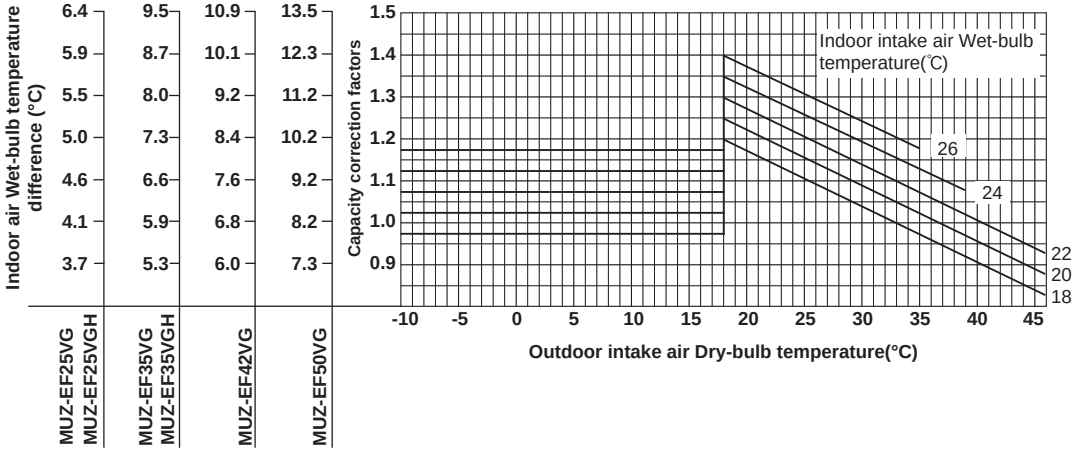


Total input (Heating : at Rated frequency)

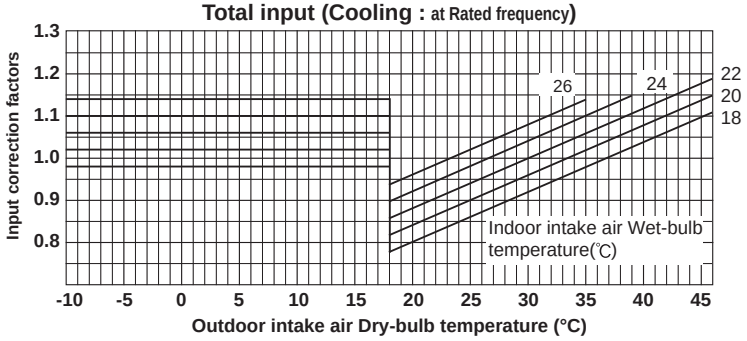


NOTE : The above broken lines are for the heating operation without any frost and defrost operation.

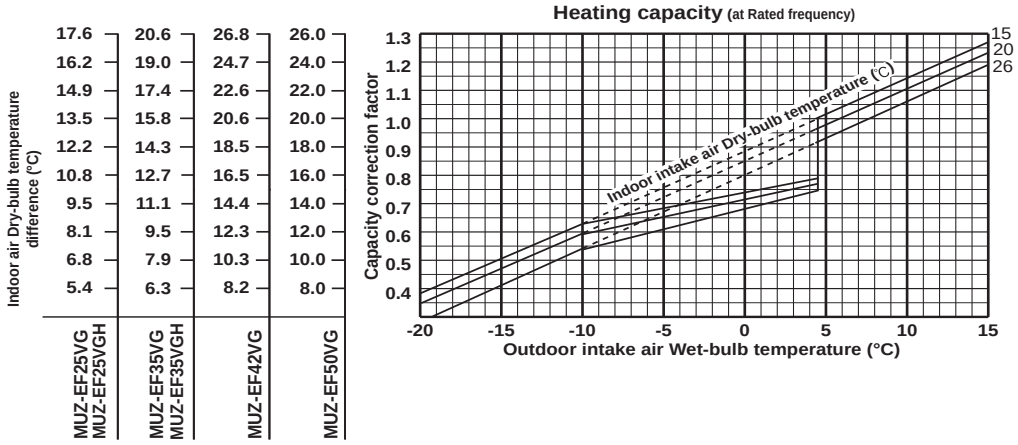
Cooling capacity (at Rated frequency)



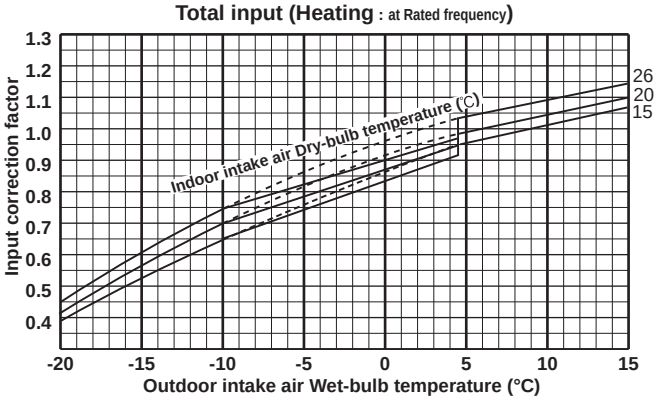
Total input (Cooling : at Rated frequency)



Heating capacity (at Rated frequency)



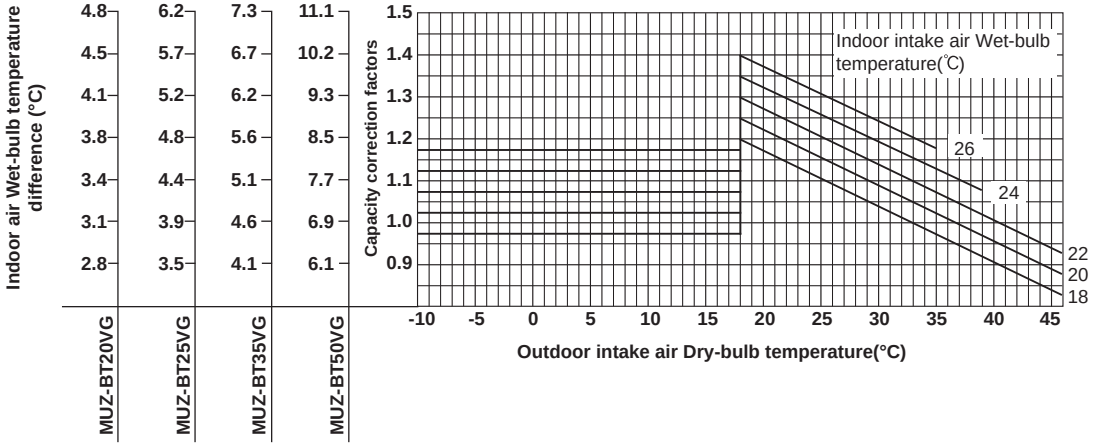
Total input (Heating : at Rated frequency)



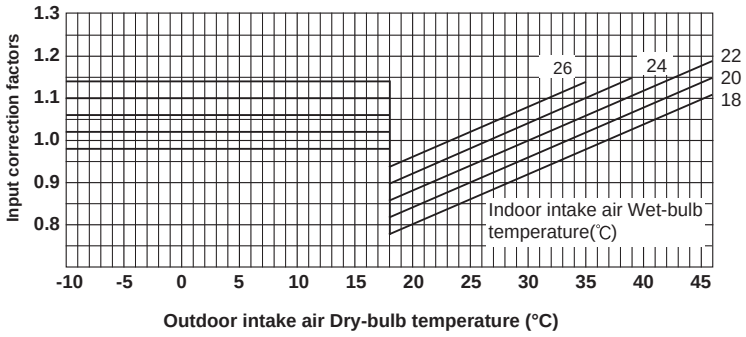
Lower limit of guaranteed operating range in heating
MUZ-EF25/35/42/50VG : -15°C
MUZ-EF25/35VGH : -20°C

NOTE : The above broken lines are for the heating operation without any frost and defrost operation.

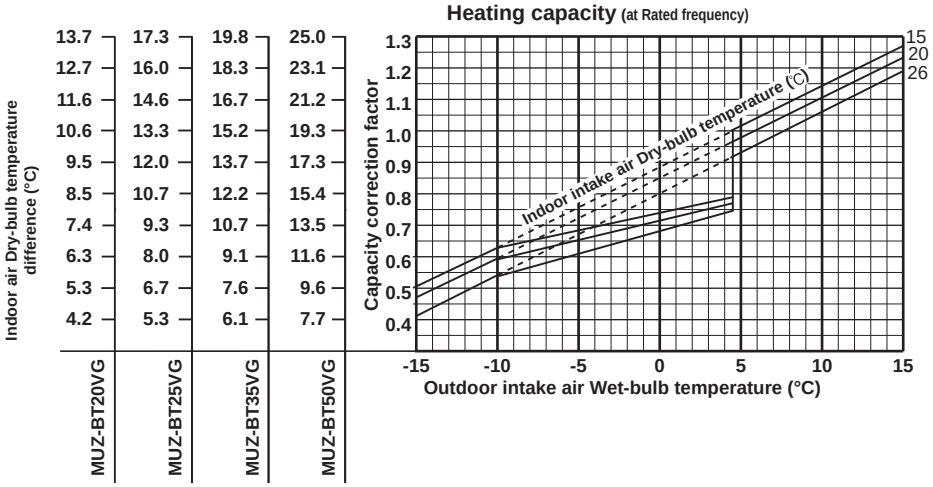
Cooling capacity (at Rated frequency)



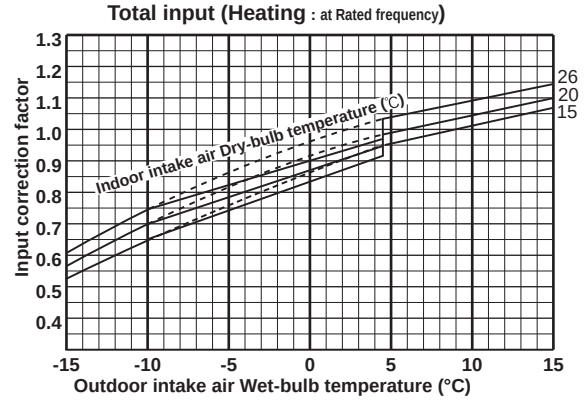
Total input (Cooling : at Rated frequency)



Heating capacity (at Rated frequency)

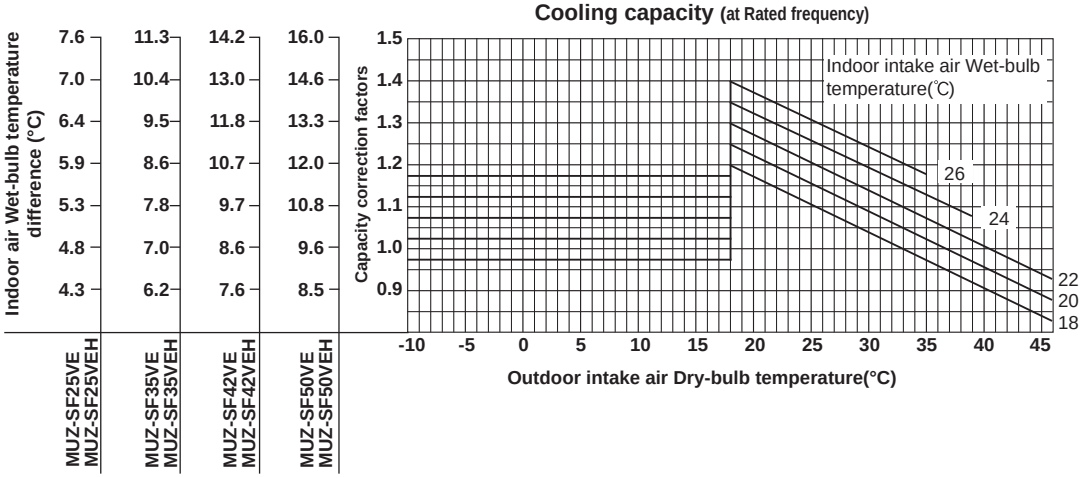


Total input (Heating : at Rated frequency)

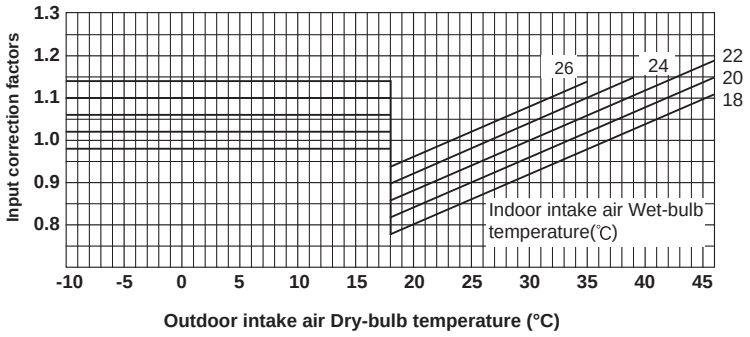


NOTE: The above broken lines are for the heating operation without any frost and defrost operation.

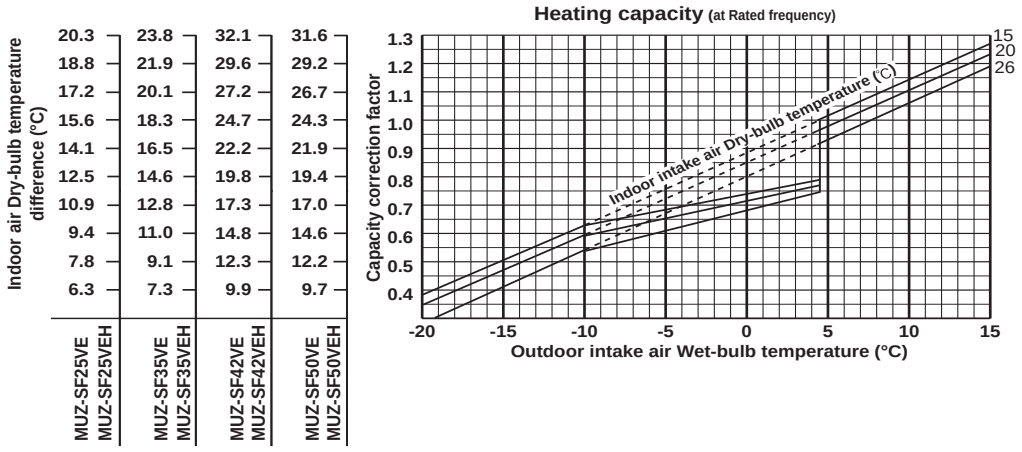
Cooling capacity (at Rated frequency)



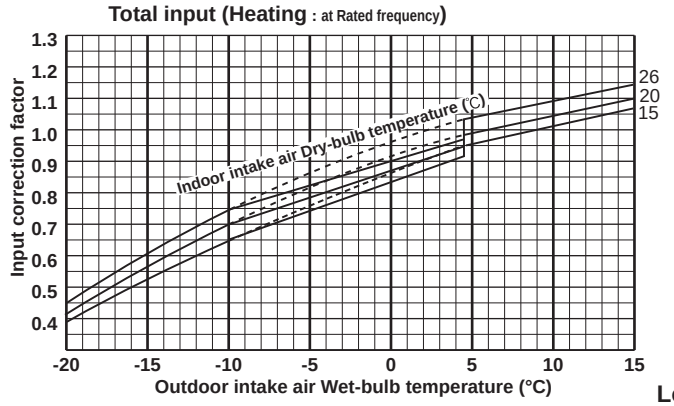
Total input (Cooling : at Rated frequency)



Heating capacity (at Rated frequency)



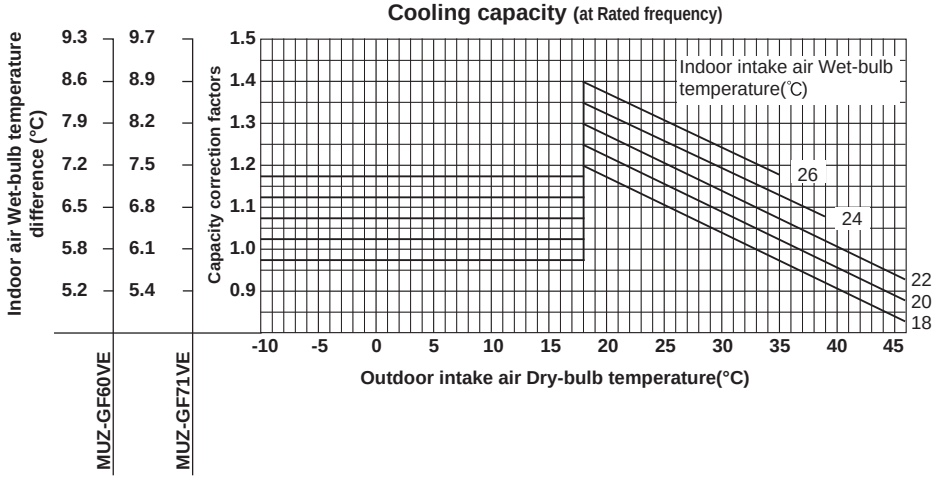
Total input (Heating : at Rated frequency)



Lower limit of guaranteed oerating range in heating
MUZ-SF25/35/42/50VE: -15°C
MUZ-SF25/35/42/50VEH: -20°C

NOTE : The above broken lines are for the heating operation without any frost and defrost operation.

Cooling capacity (at Rated frequency)



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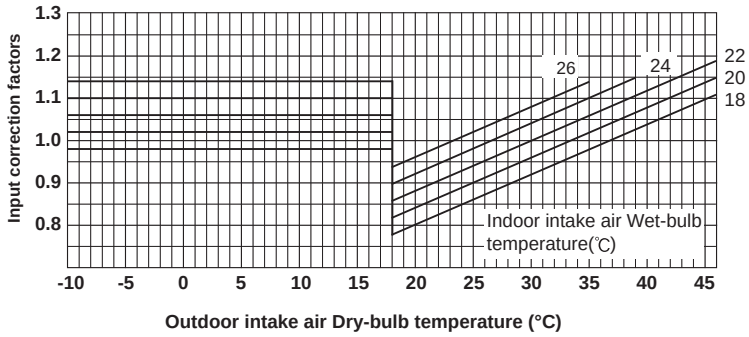
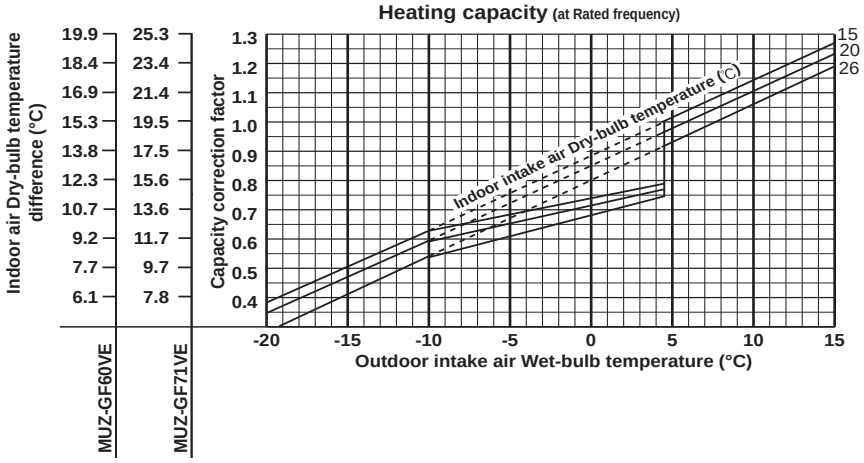
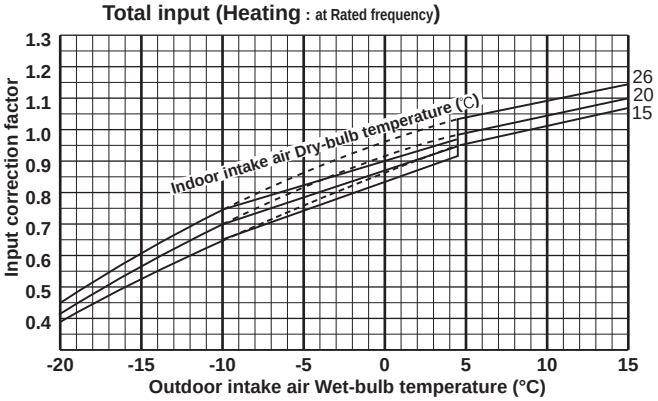


Heating capacity (at Rated frequency)

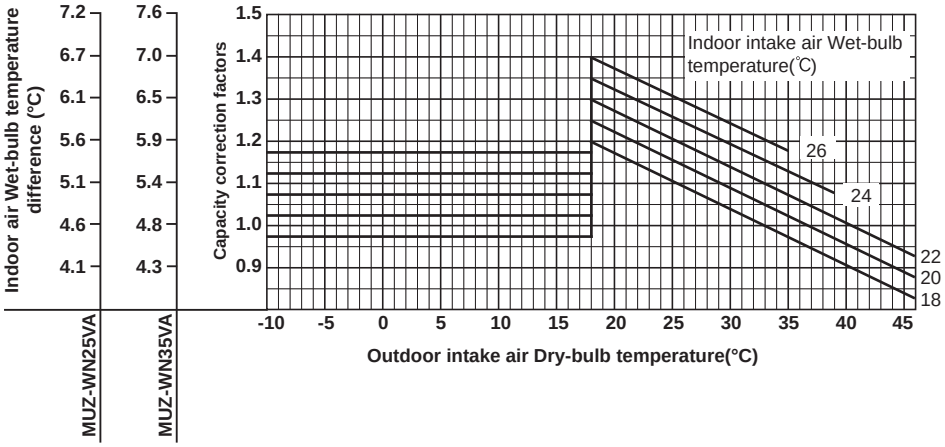


Total input (Heating : at Rated frequency)

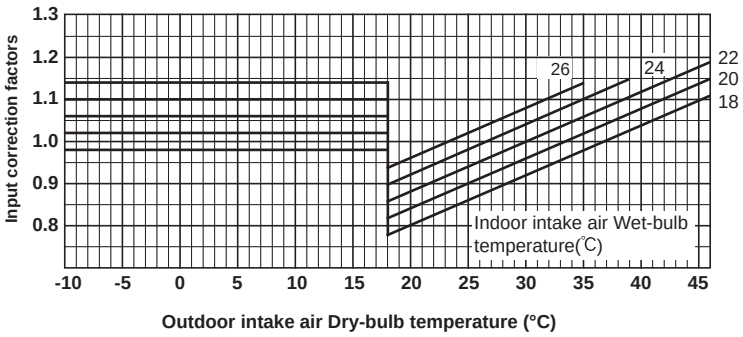


NOTE : The above broken lines are for the heating operation without any frost and defrost operation.

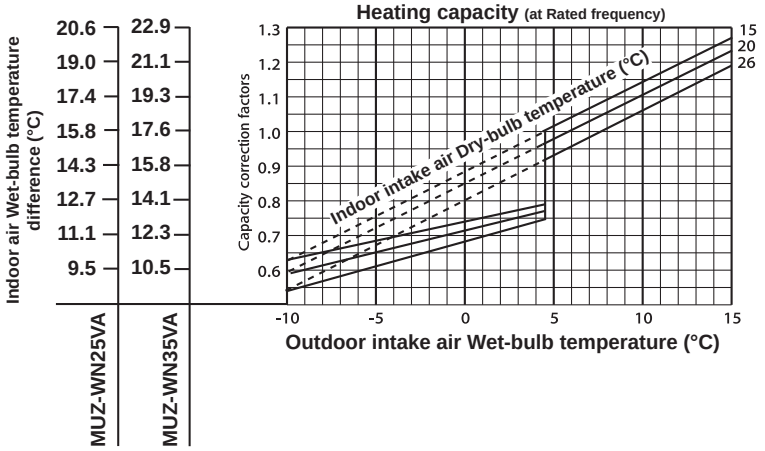
Cooling capacity (at Rated frequency)



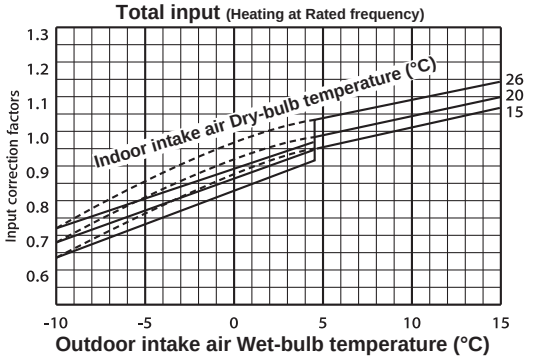
Total input (Cooling : at Rated frequency)



Heating capacity (at Rated frequency)

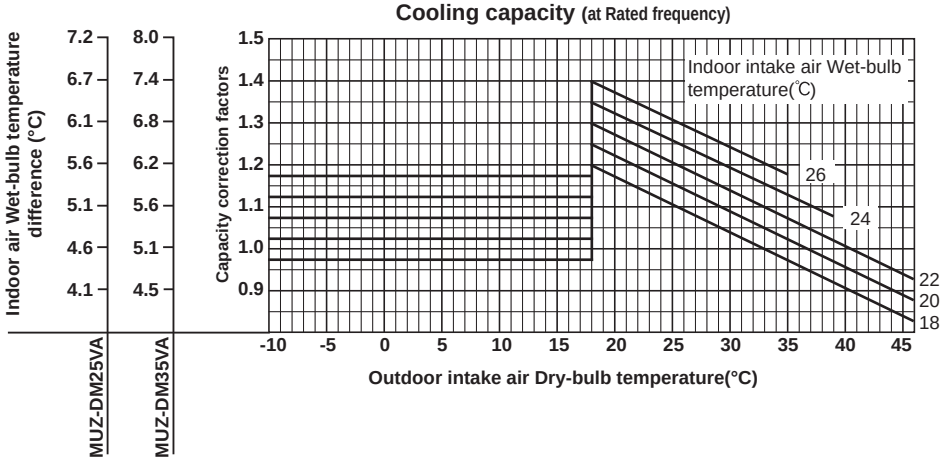


Total input (Heating at Rated frequency)

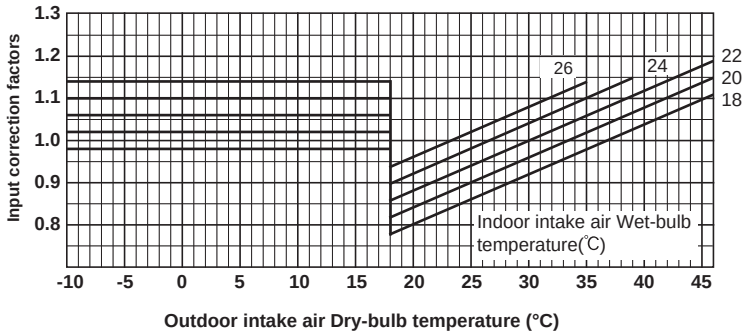


NOTE : The above broken lines are for the heating operation without any frost and defrost operation.

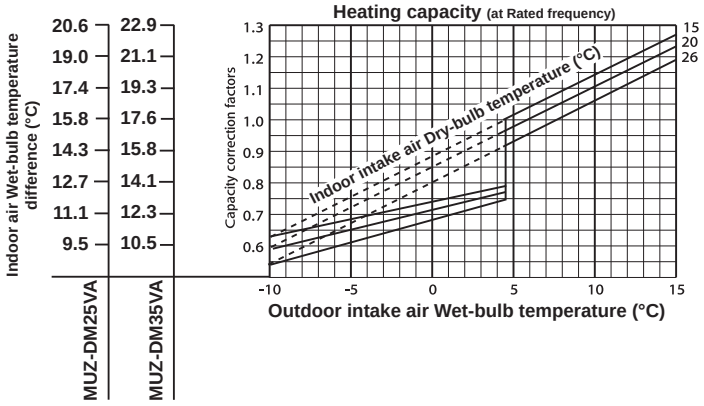
Cooling capacity (at Rated frequency)



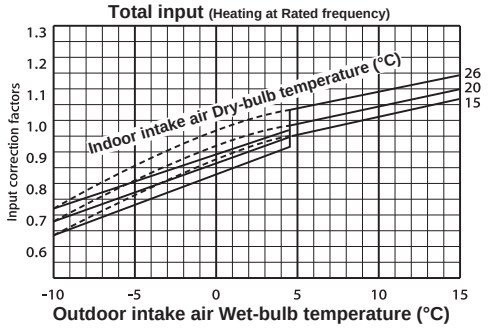
Total input (Cooling : at Rated frequency)



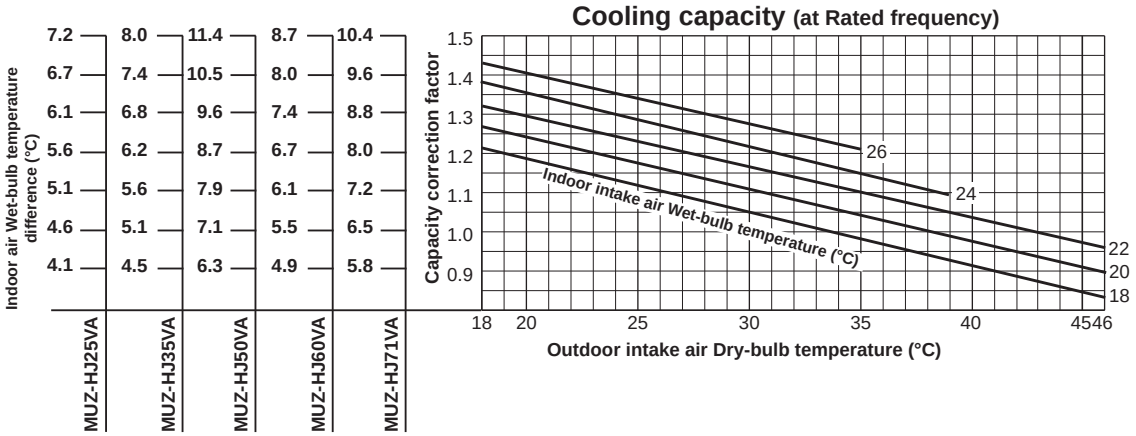
Heating capacity (at Rated frequency)

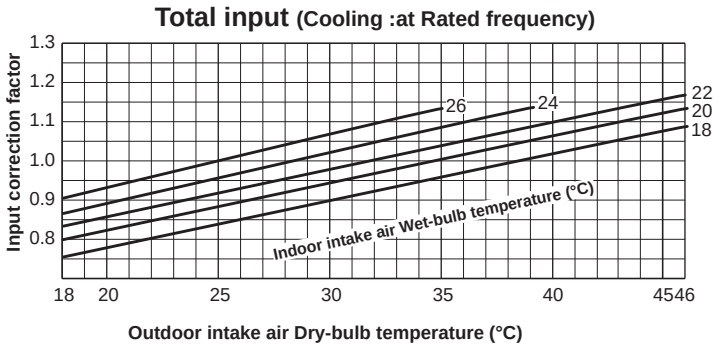


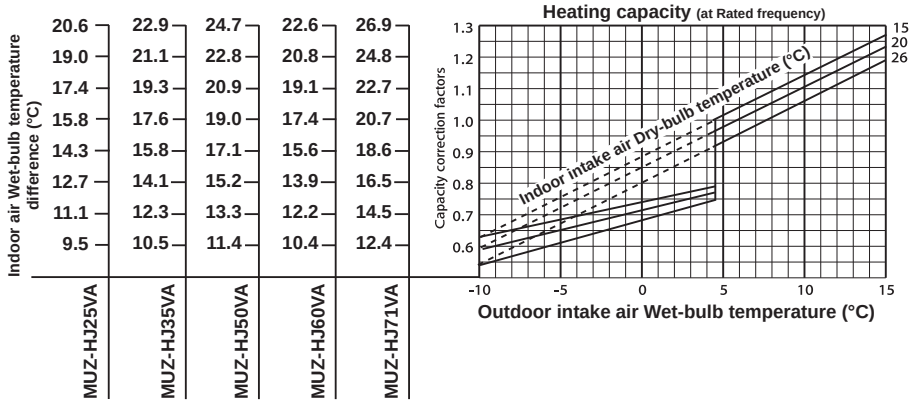
Total input (Heating at Rated frequency)

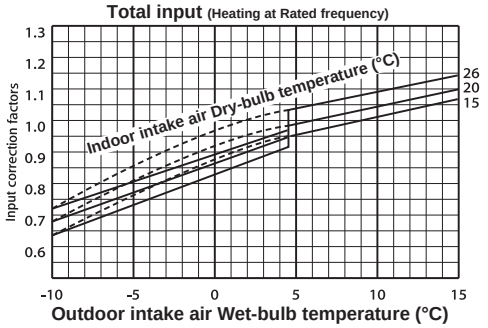


NOTE: The above broken lines are for the heating operation without any frost and defrost operation.





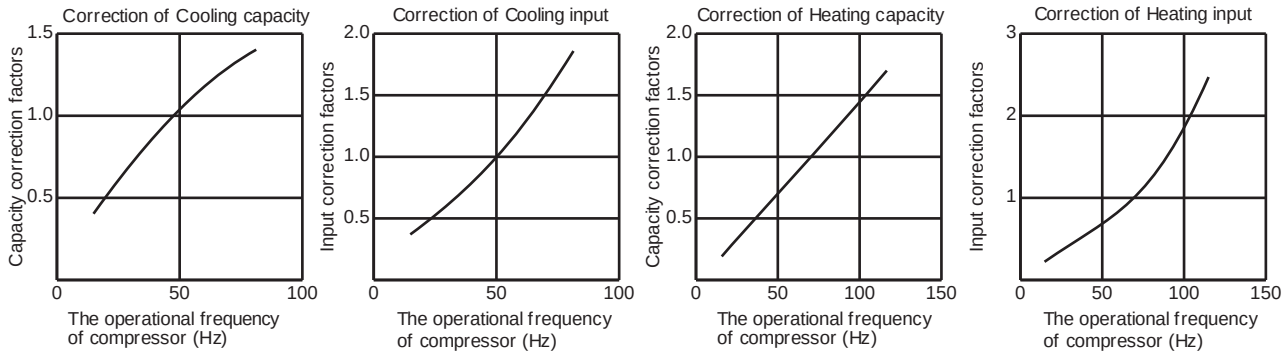




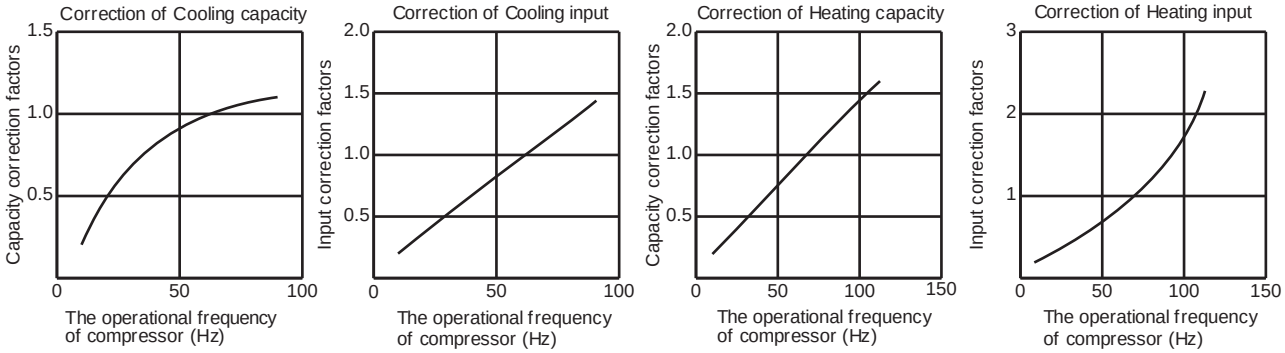
NOTE : The above broken lines are for the heating operation without any frost and defrost operation.

CAPACITY AND INPUT CORRECTION BY OPERATIONAL FREQUENCY OF COMPRESSOR

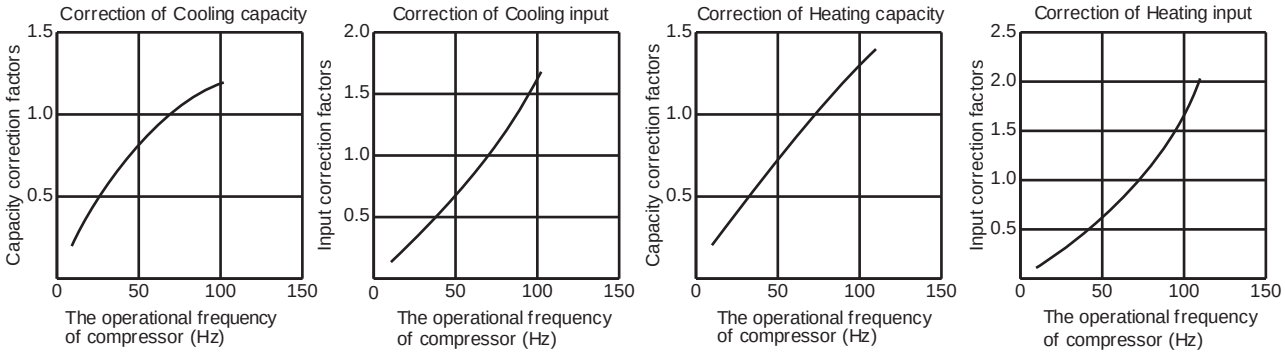
MUZ-LN25VG2



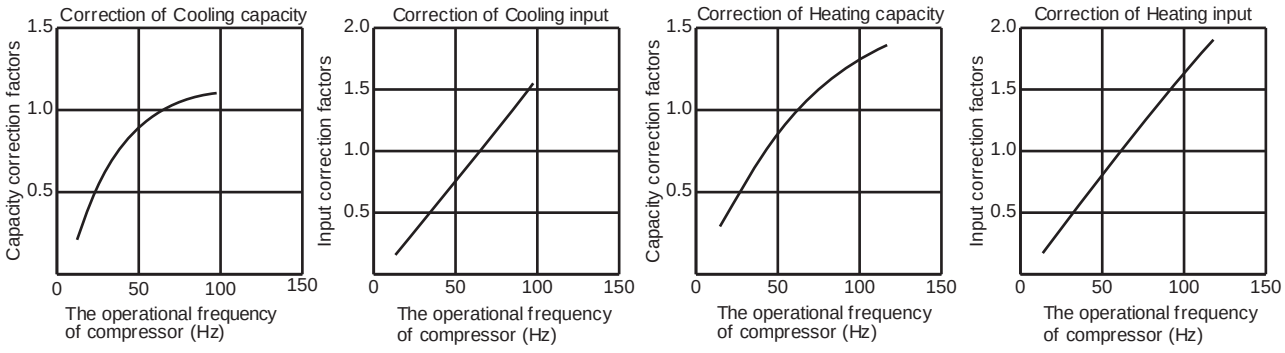
MUZ-LN35VG2



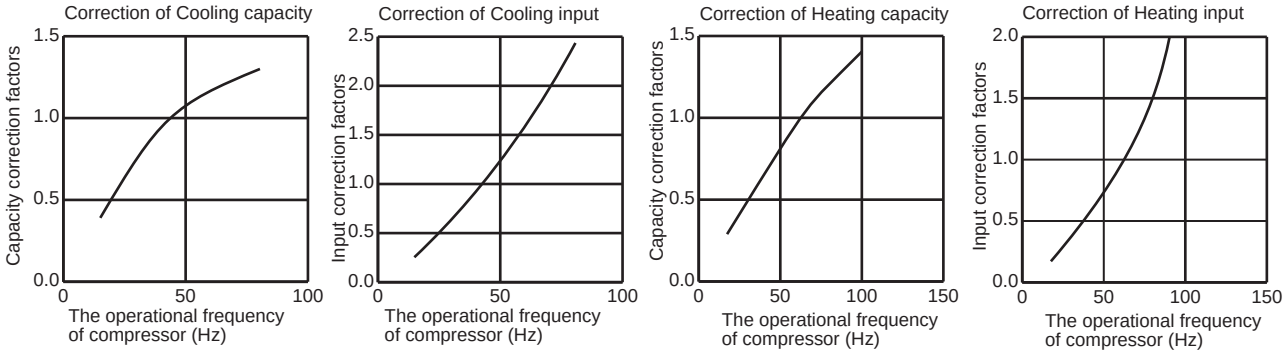
MUZ-LN50VG2



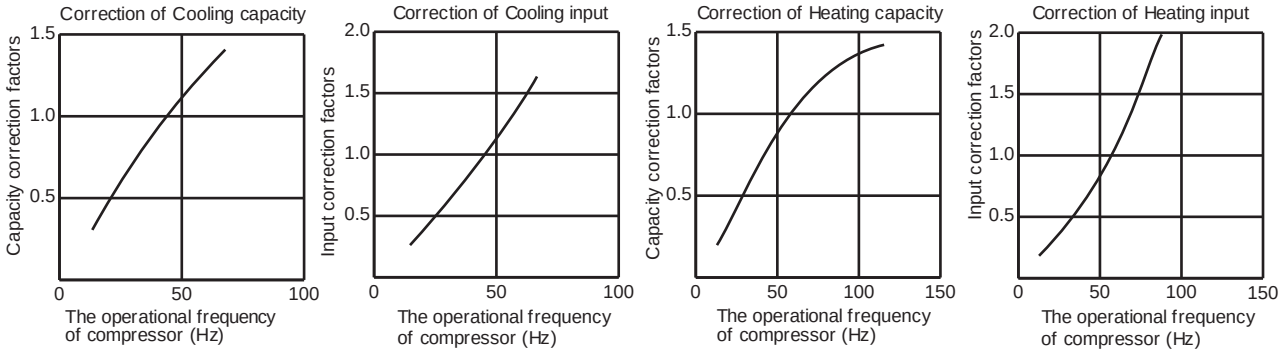
MUZ-LN60VG



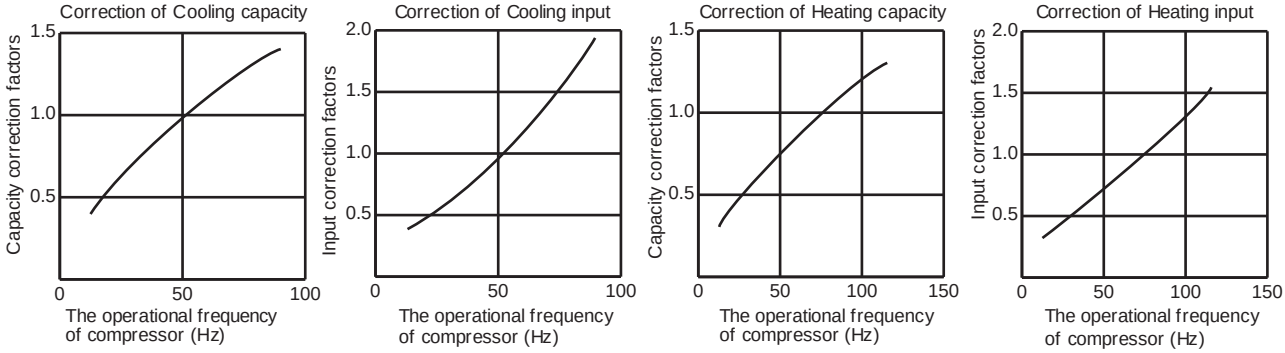
MUZ-AP15VG



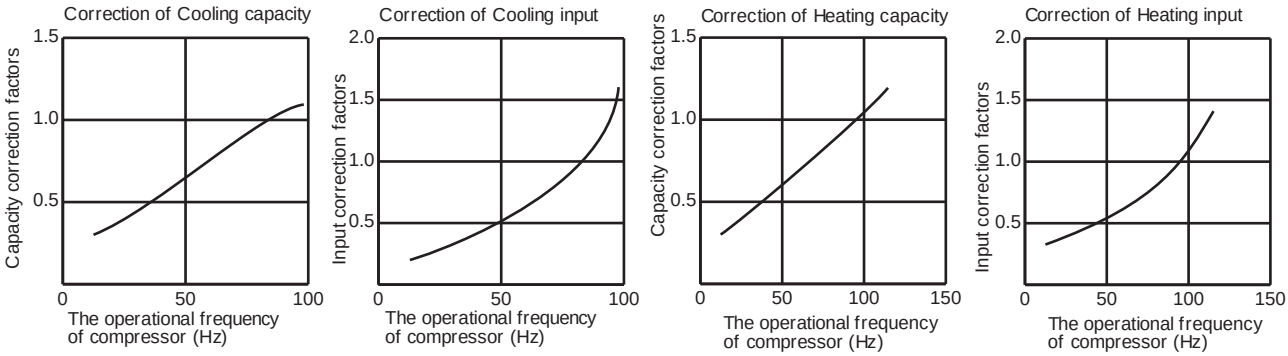
MUZ-AP20VG



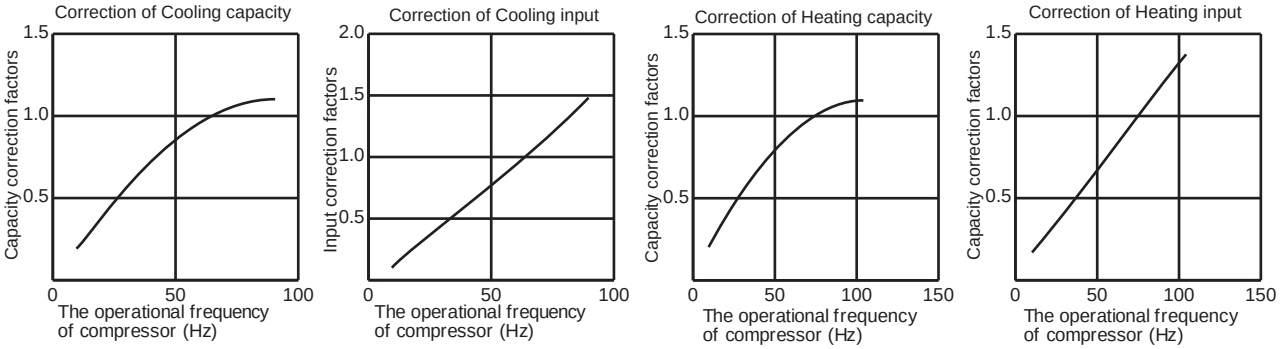
MUZ-AP25VG
MUZ-AP25VGH



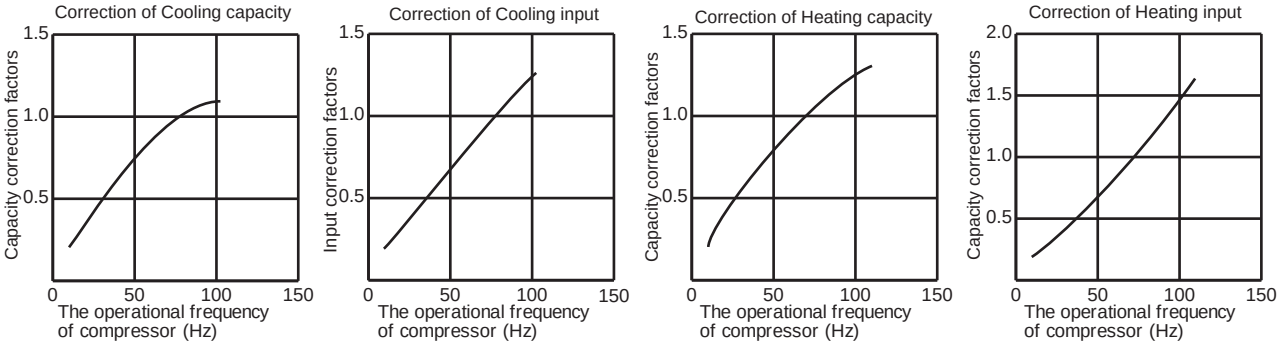
MUZ-AP35VG
MUZ-AP35VGH



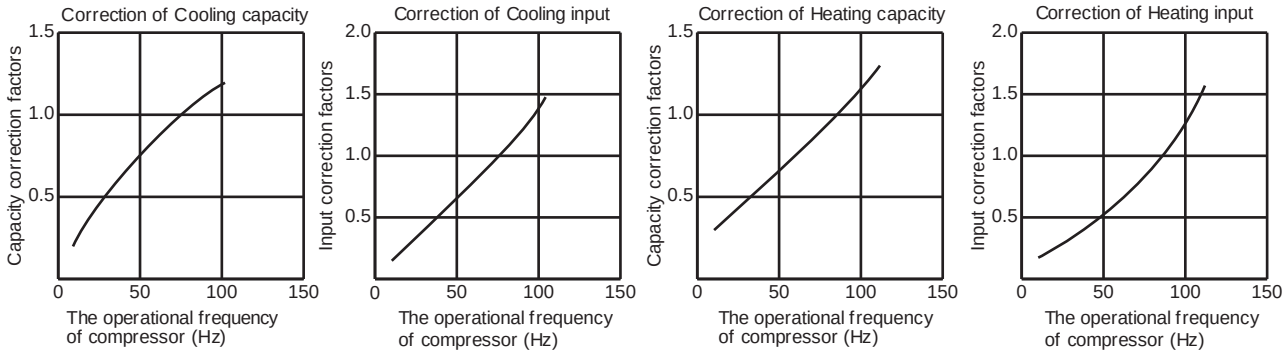
MUZ-AP42VG
MUZ-AP42VGH



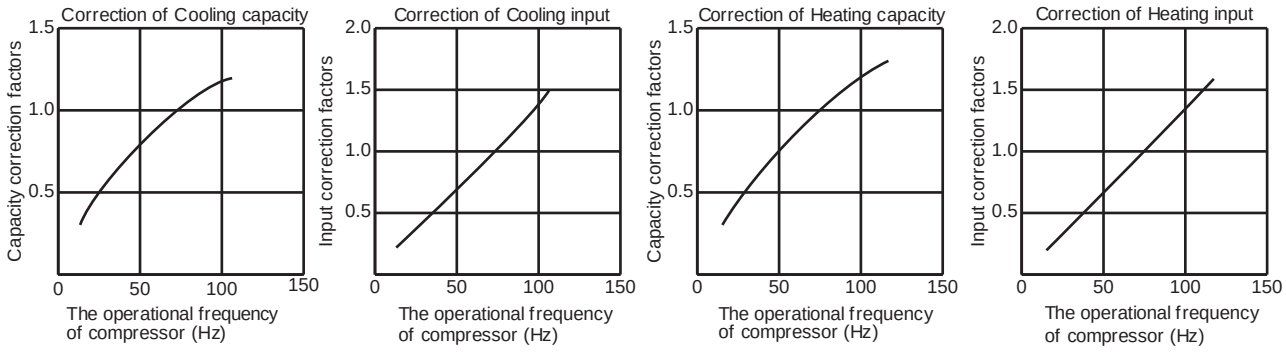
MUZ-AP50VG
MUZ-AP50VGH



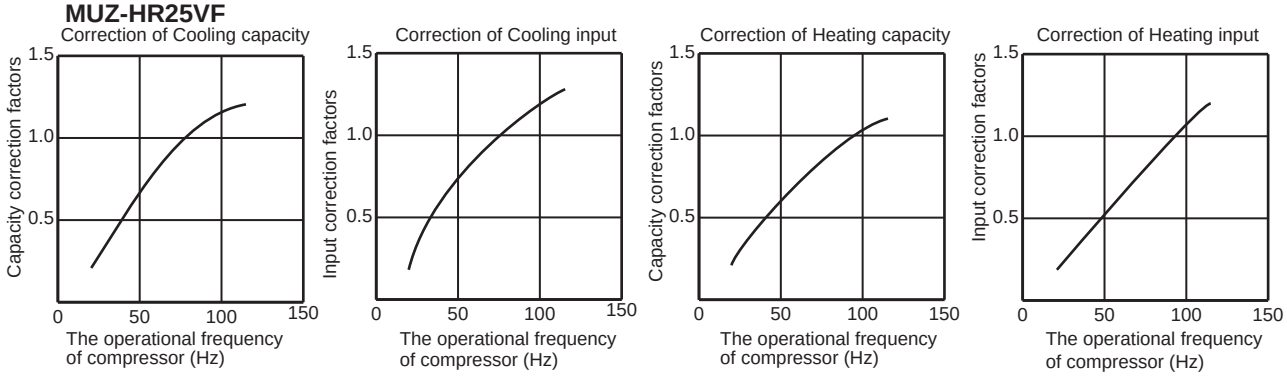
MUZ-AP60VG



MUZ-AP71VG



MUZ-HR25VF



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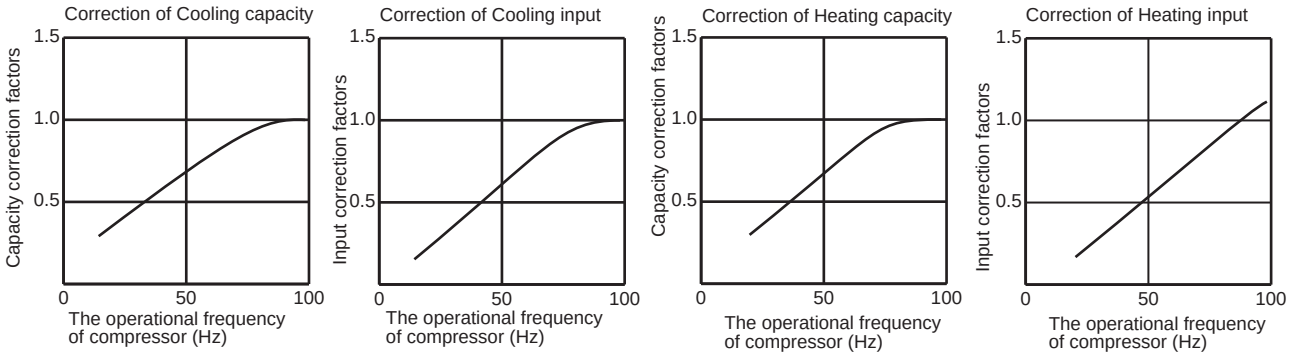

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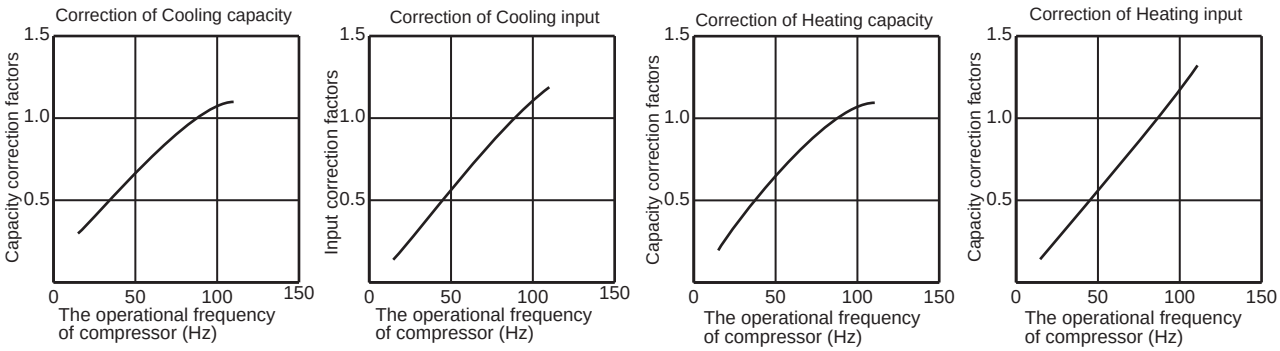

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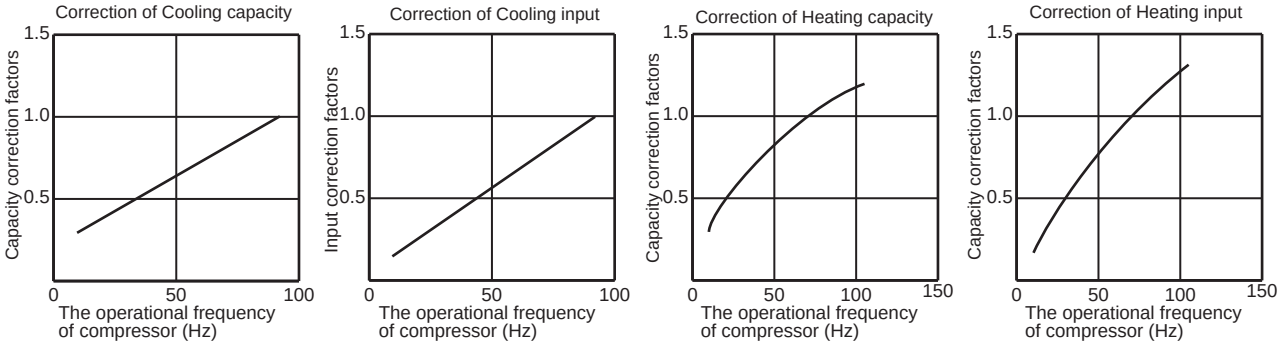
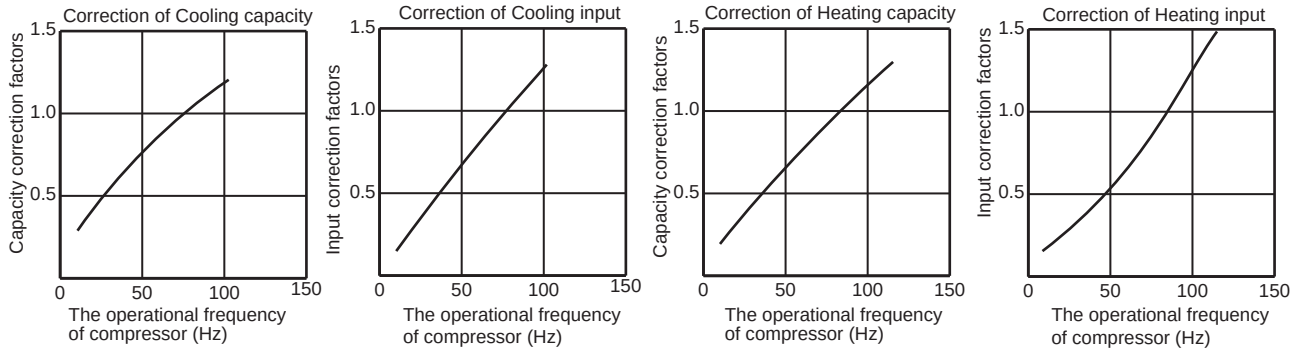
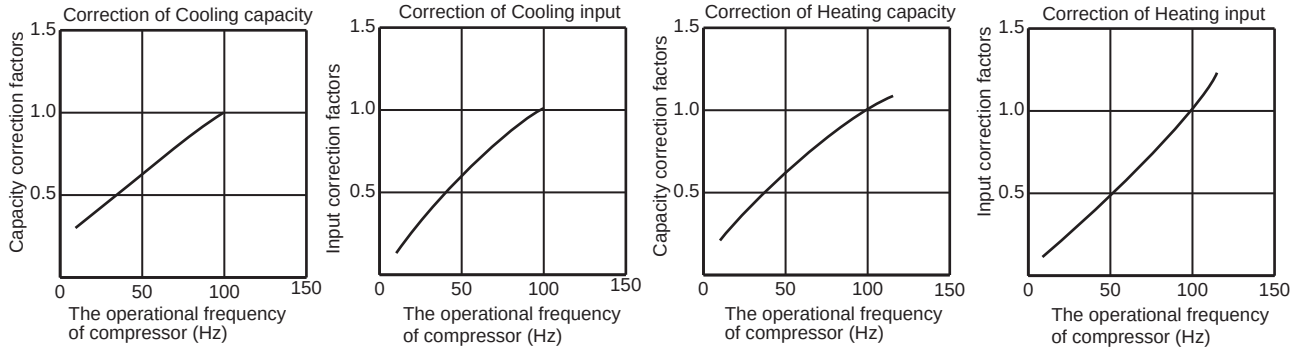


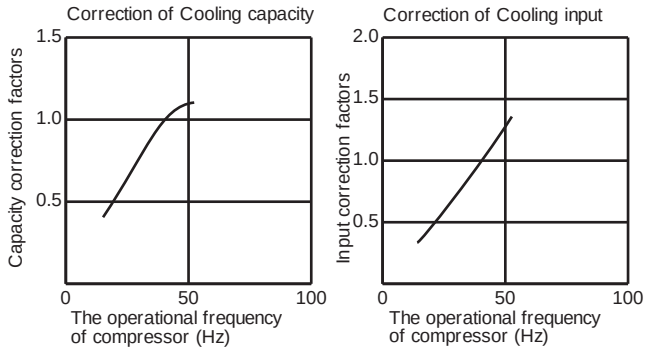
MUZ-HR60VF



MUZ-HR71VF



MUY-TP35VF



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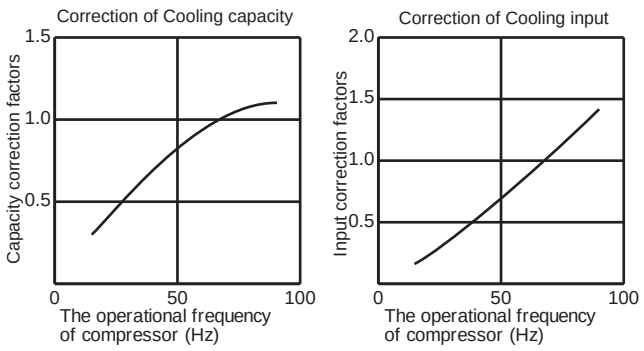

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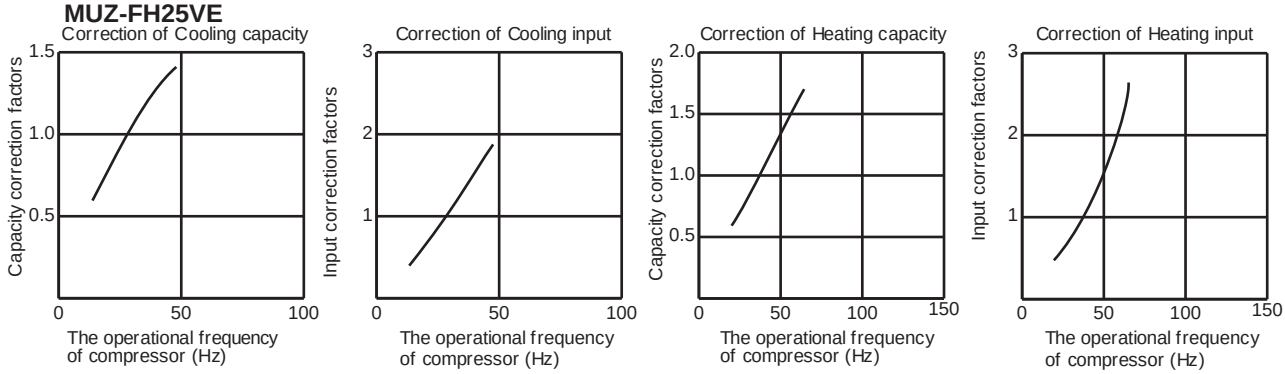

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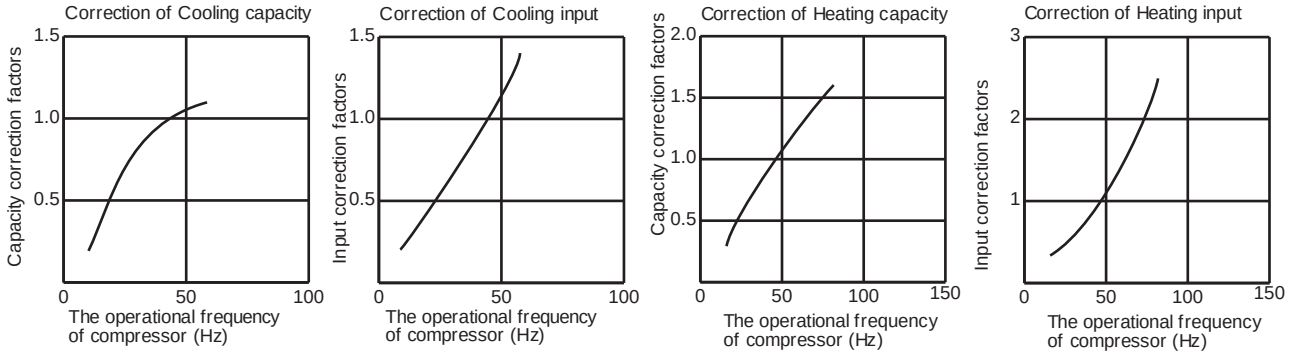

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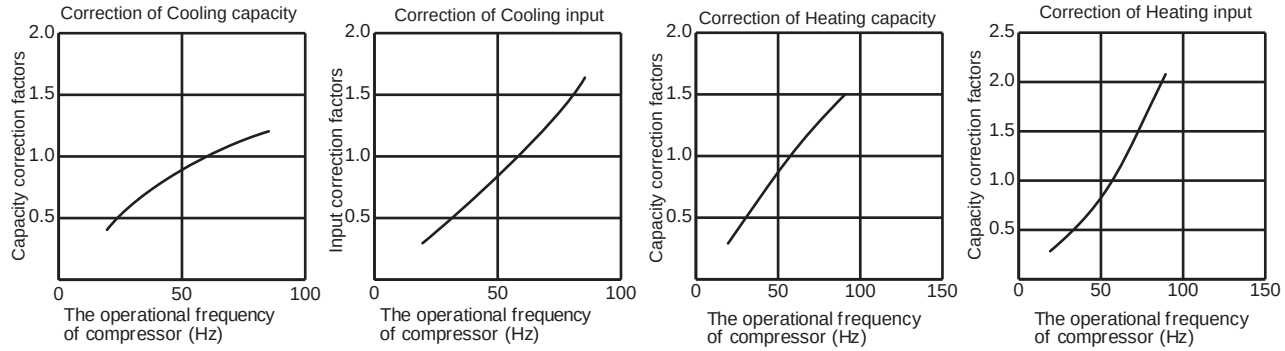
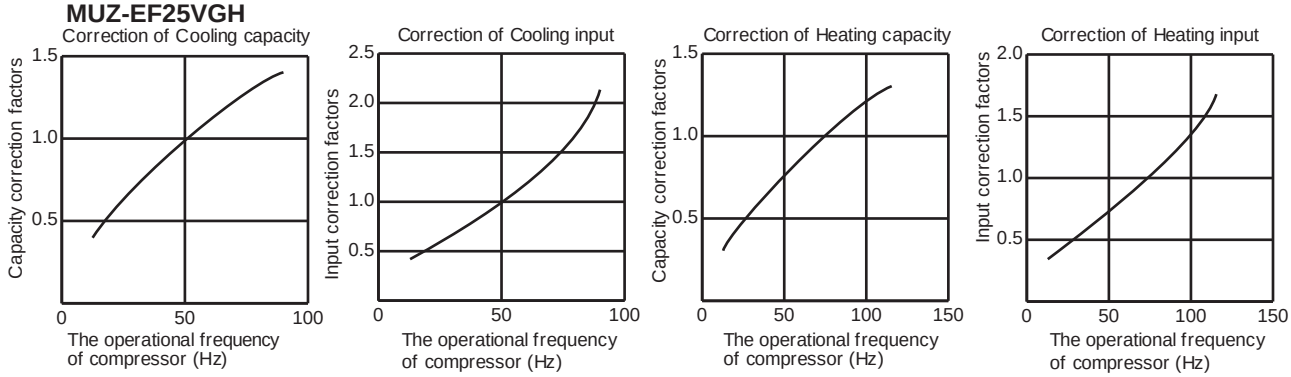
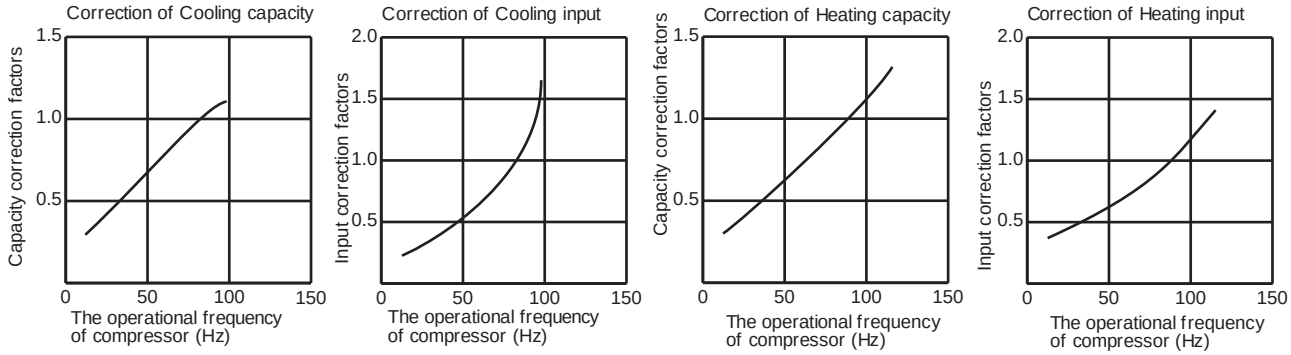


MUZ-EF25VG
MUZ-EF25VGH



MUZ-EF35VG
MUZ-EF35VGH



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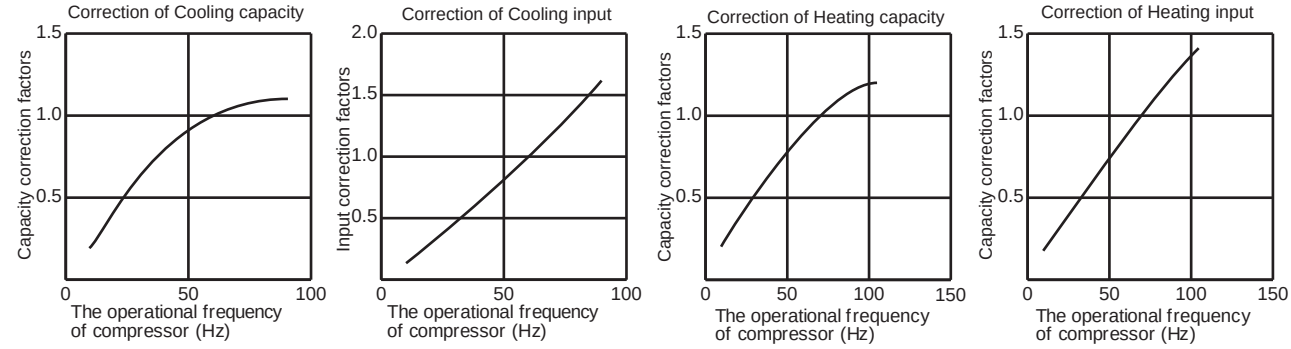

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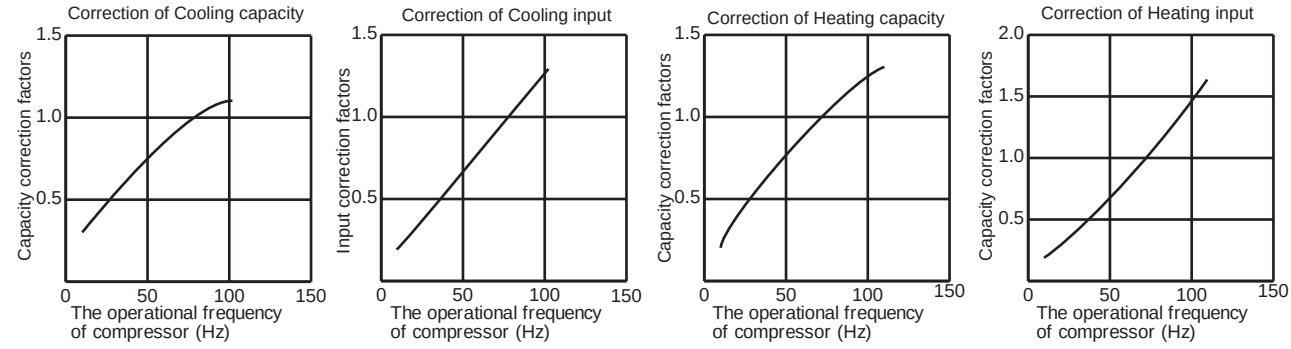
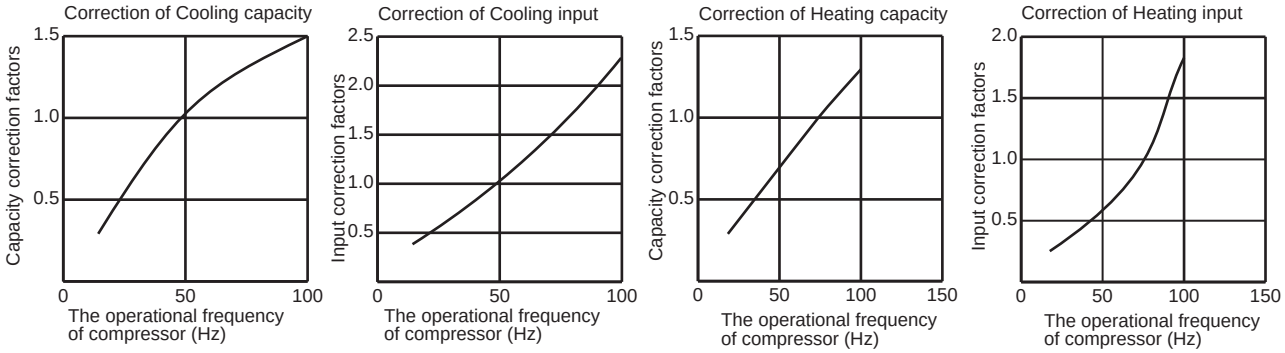


MUZ-BT20VG



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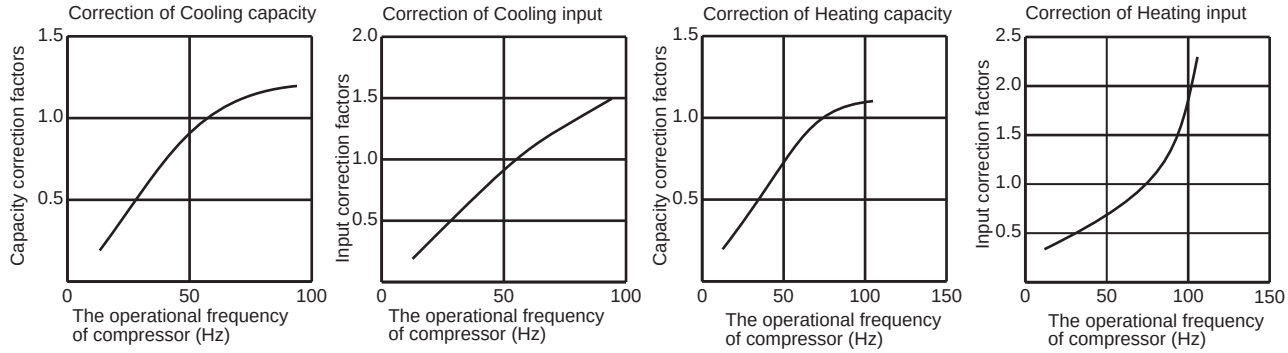

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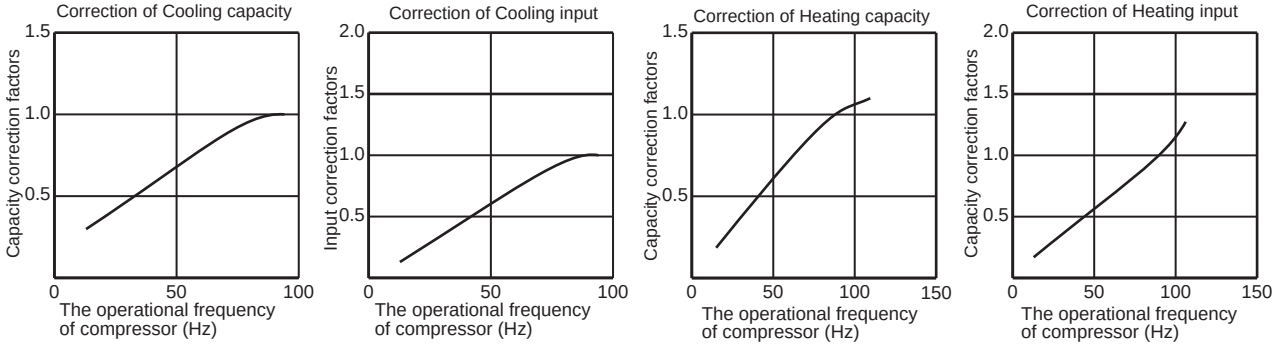

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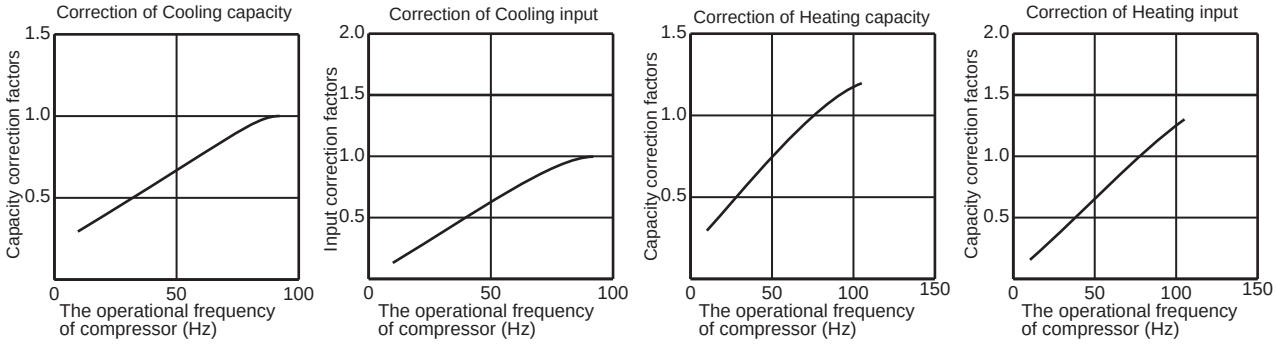
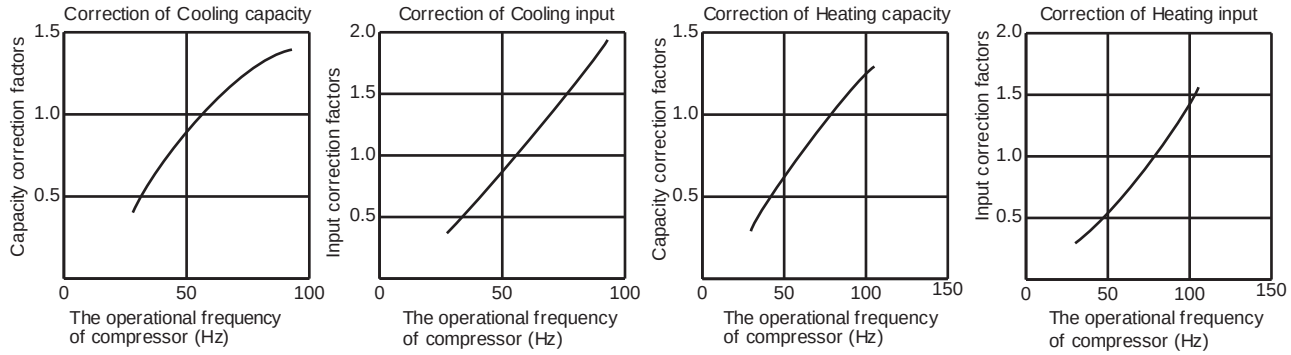


MUZ-SF25VE
MUZ-SF25VEH



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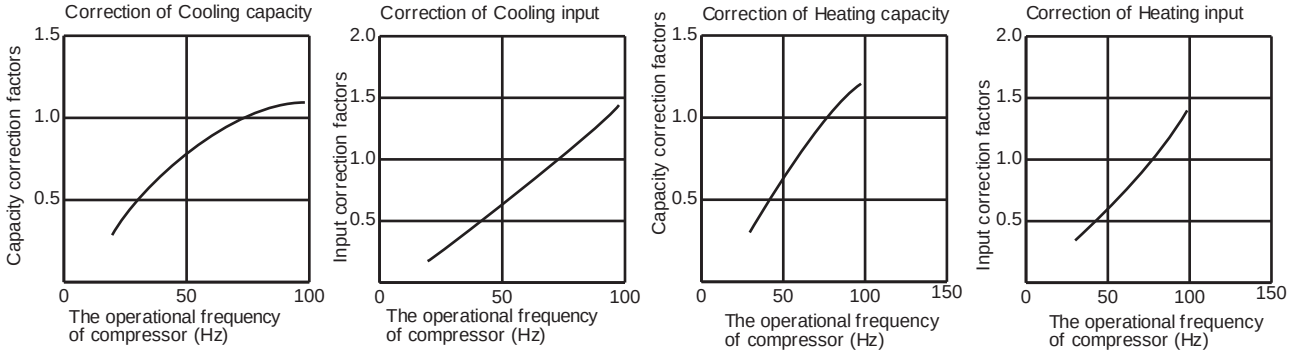
MUZ-SF35VEH



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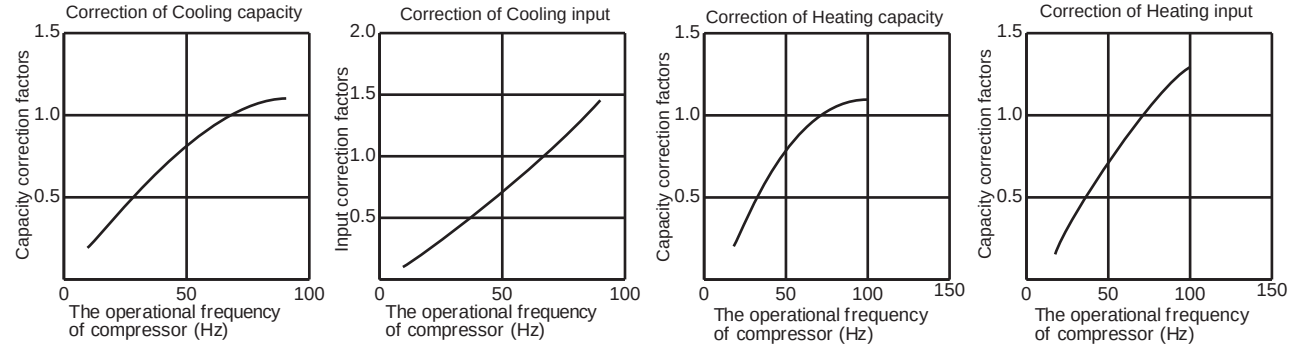
MUZ-SF42VEH



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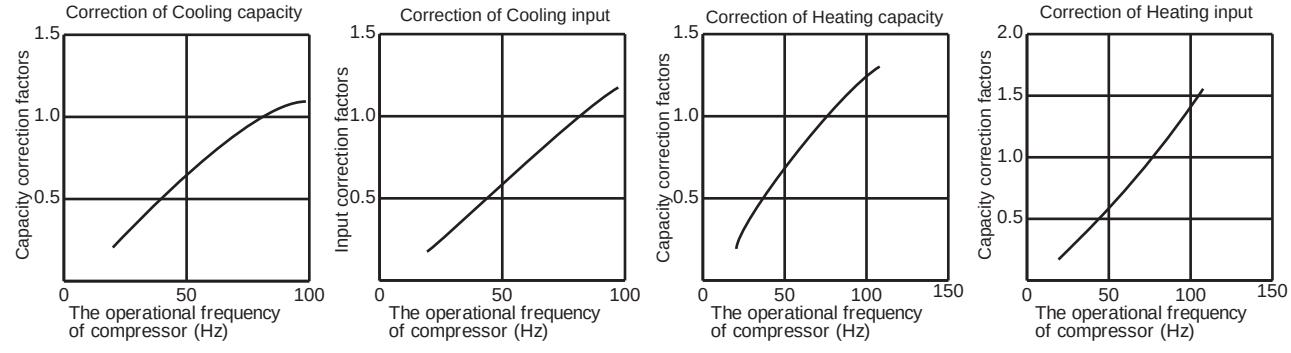
MUZ-SF50VEH



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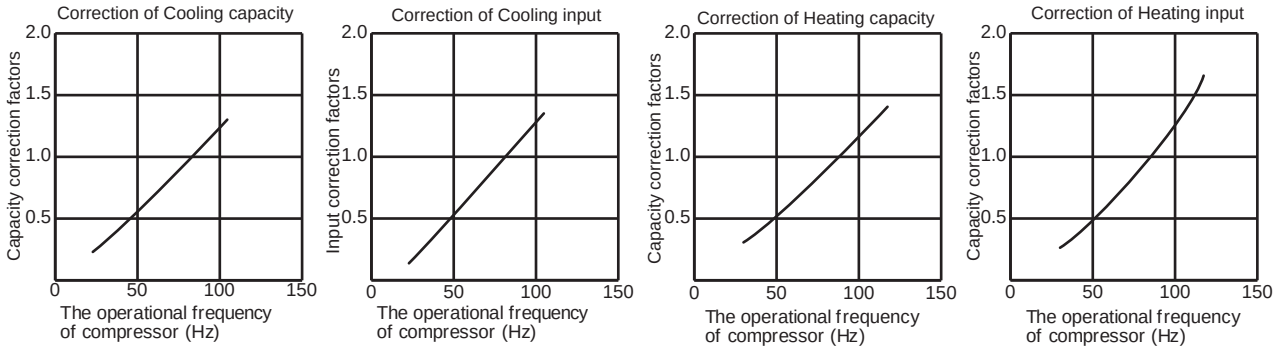

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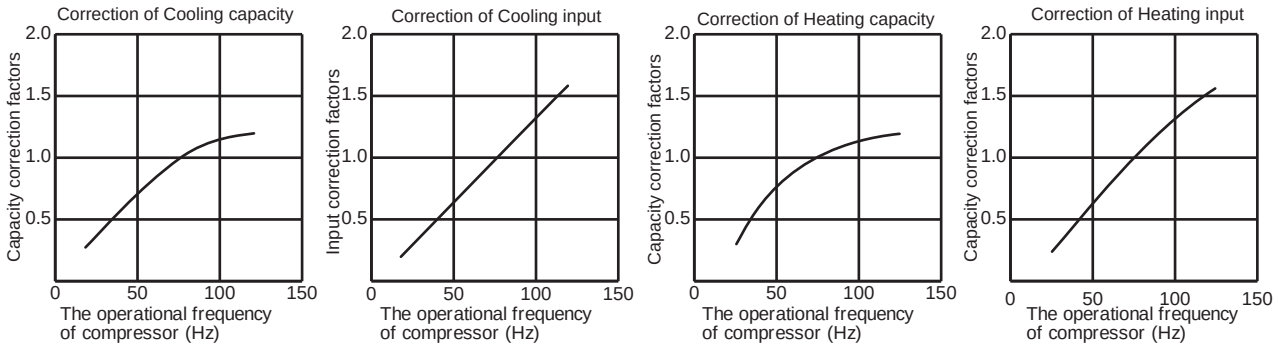

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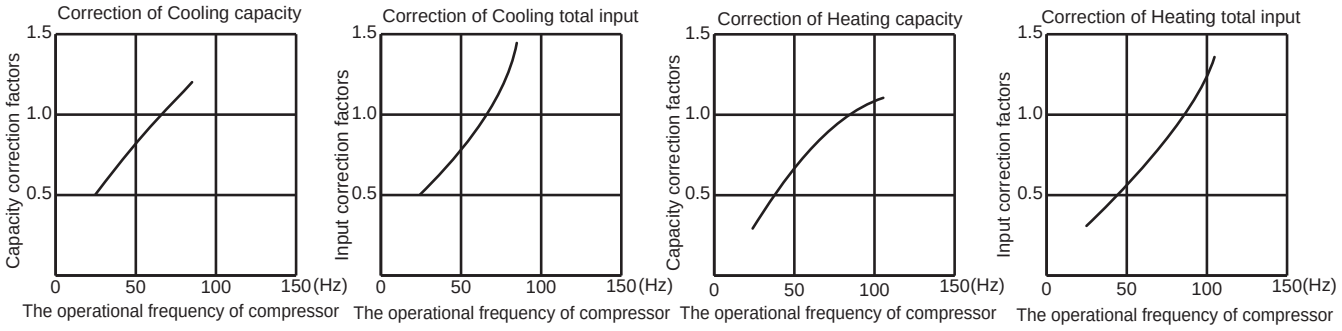

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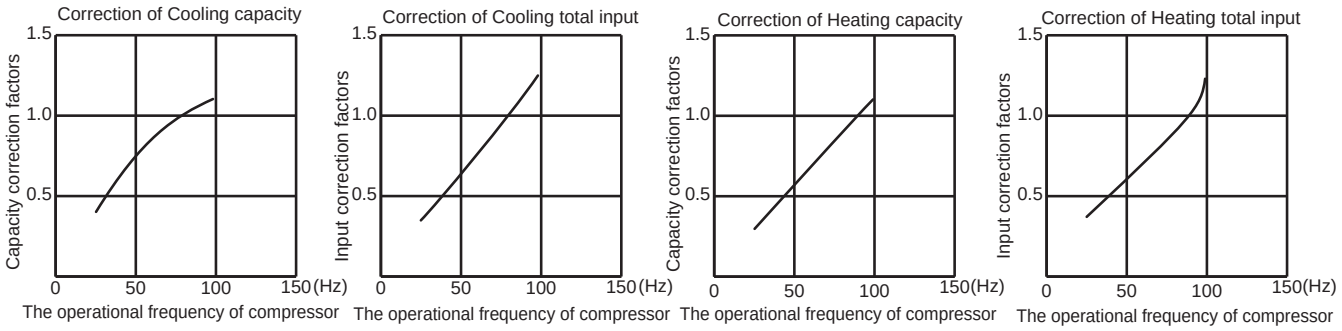

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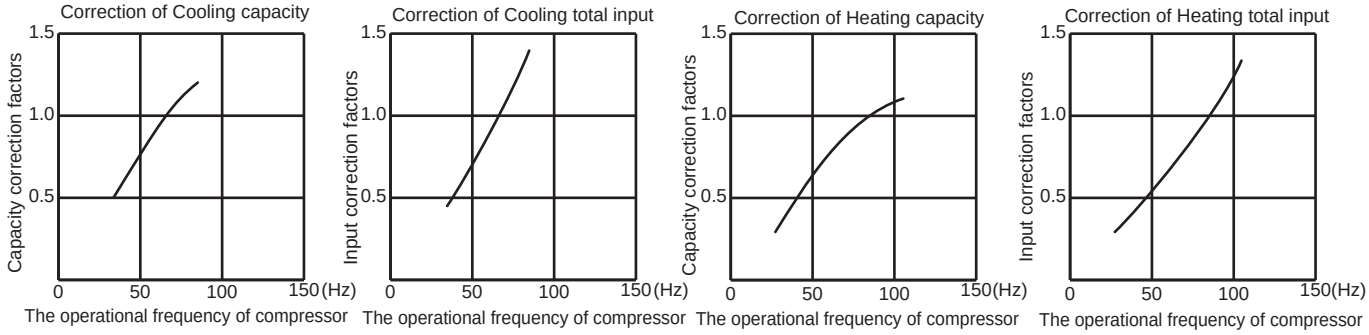

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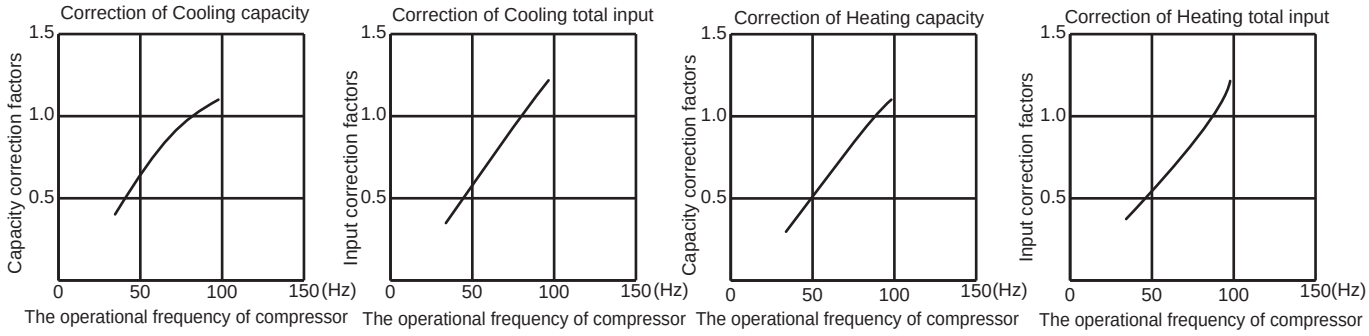
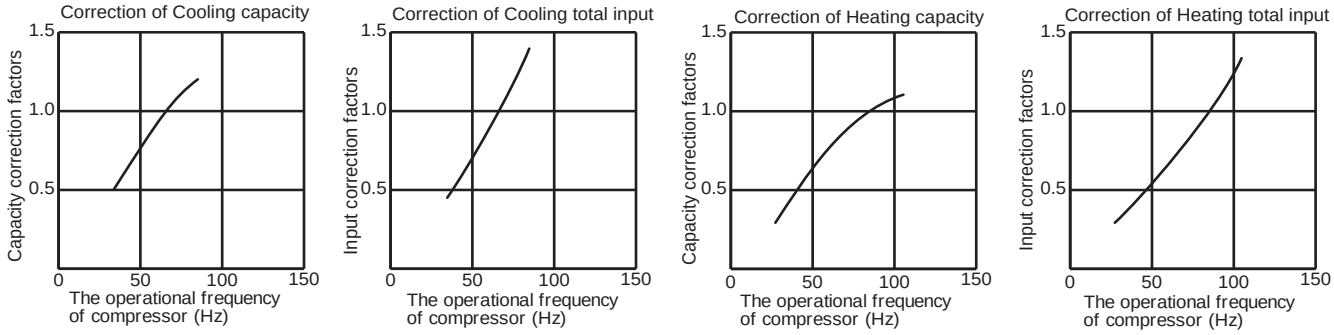


MUZ-HJ25VA



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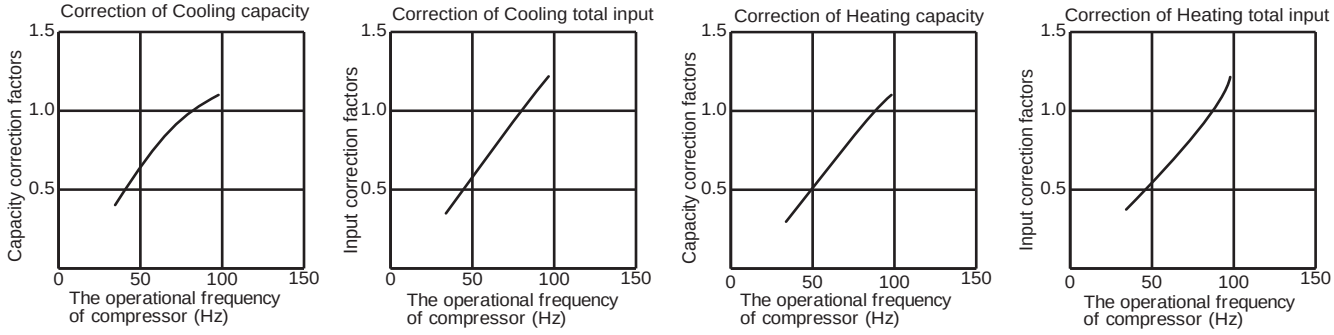

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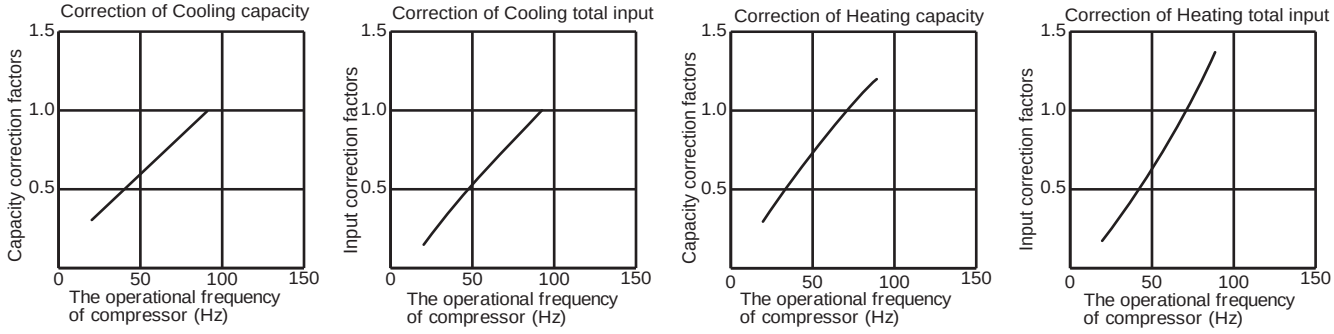

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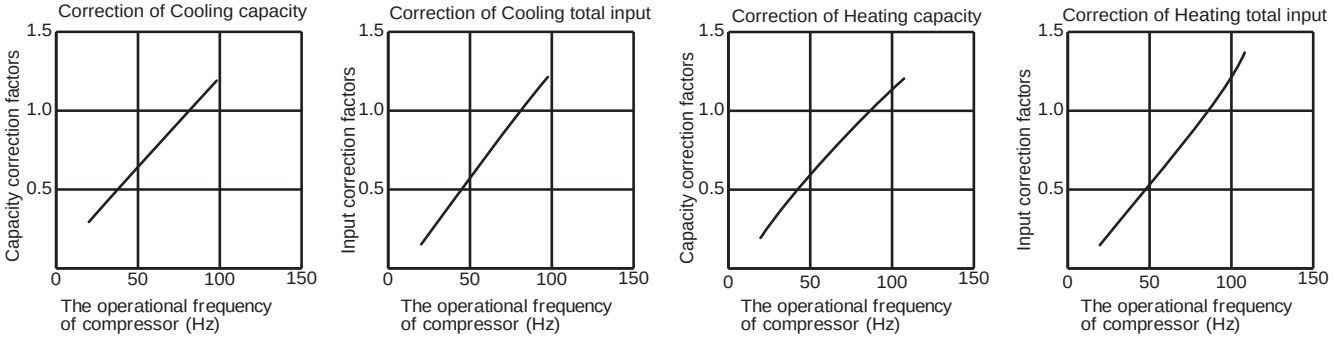

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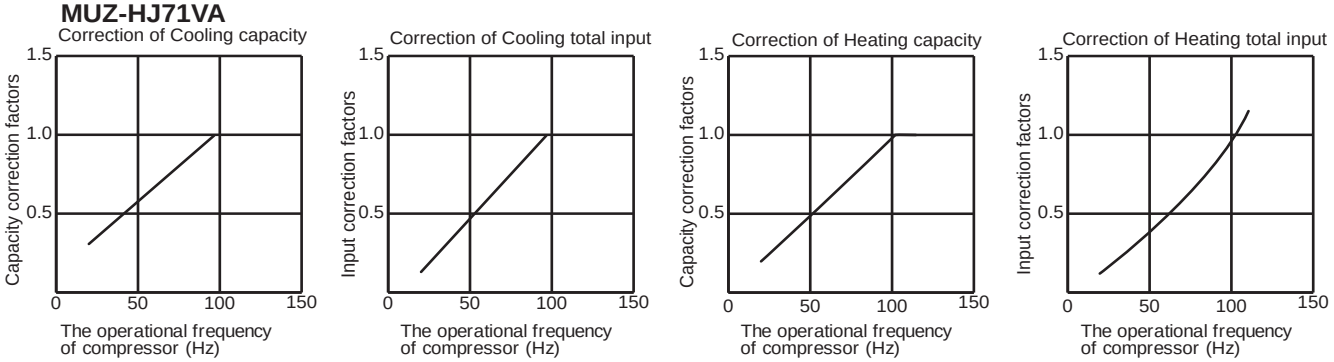
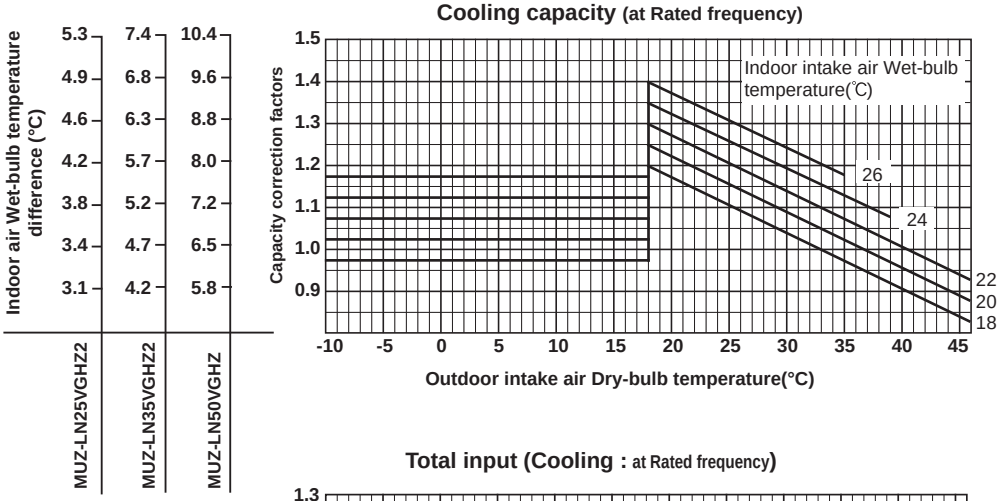
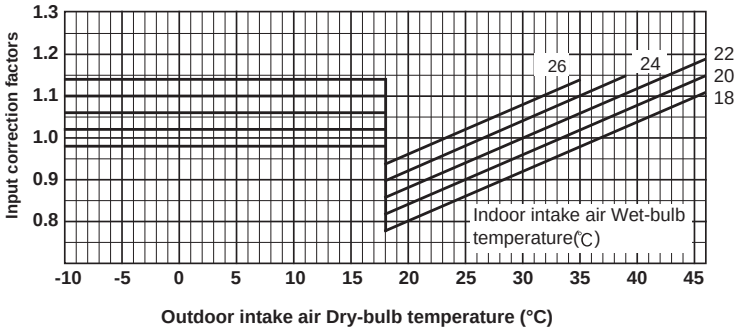


C.1.5.2 Powerful Heating Heat Pump
CAPACITY AND THE INPUT CURVES

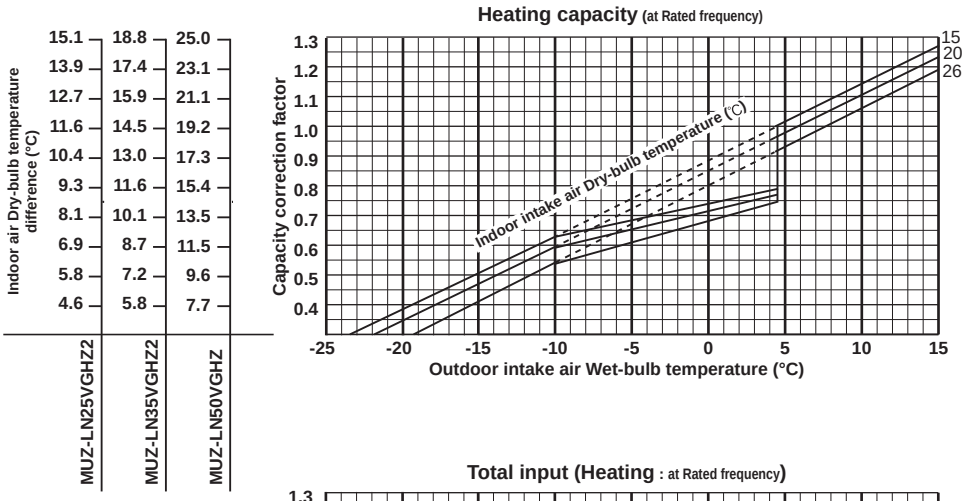
Cooling capacity (at Rated frequency)



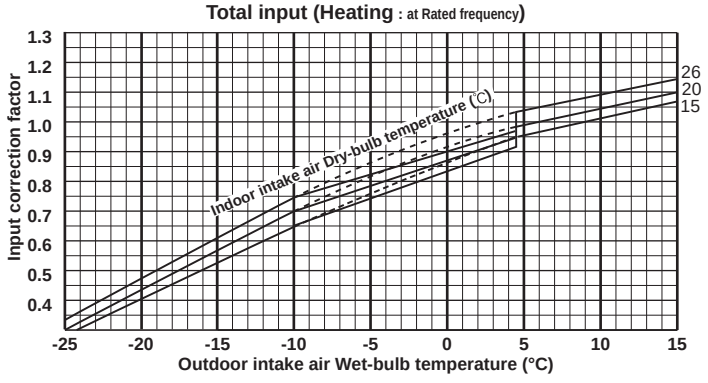
Total input (Cooling : at Rated frequency)



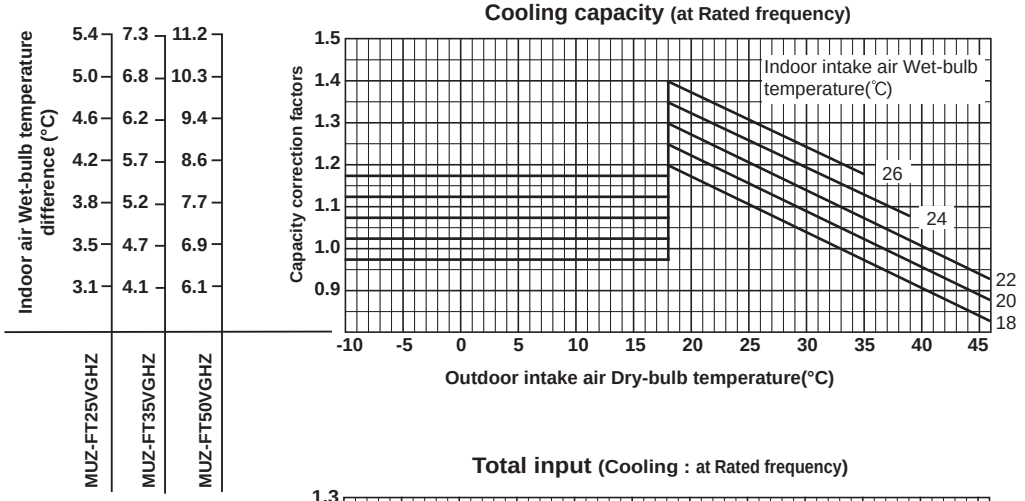
Heating capacity (at Rated frequency)

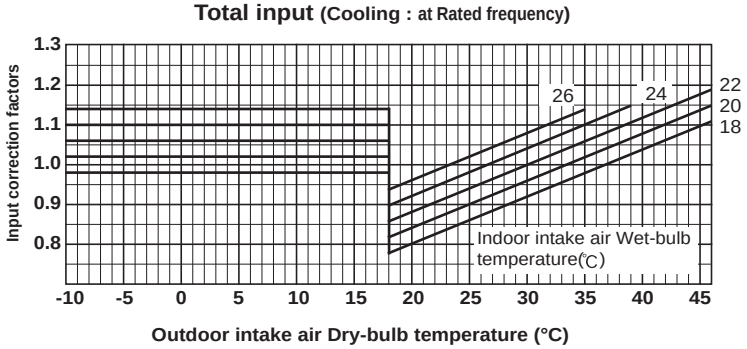


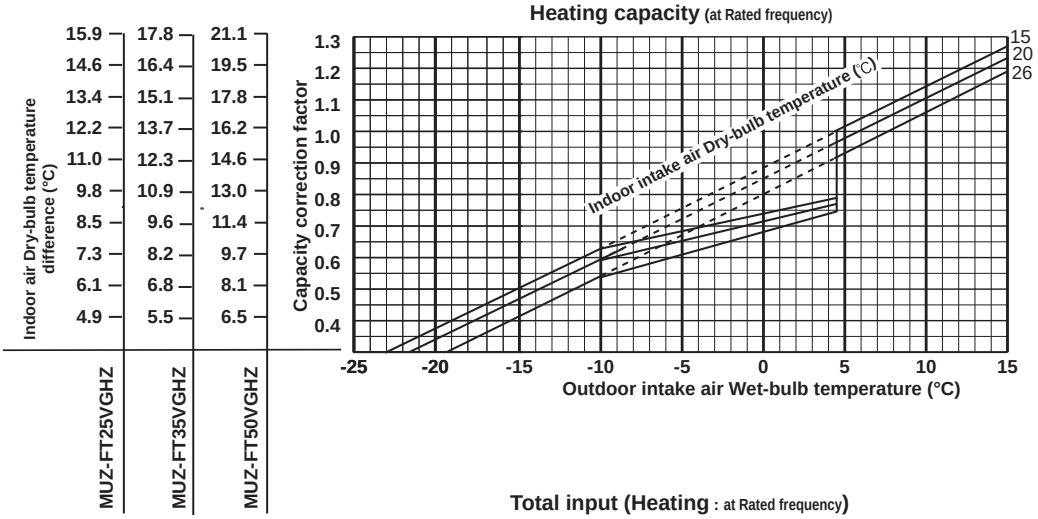
Total input (Heating : at Rated frequency)

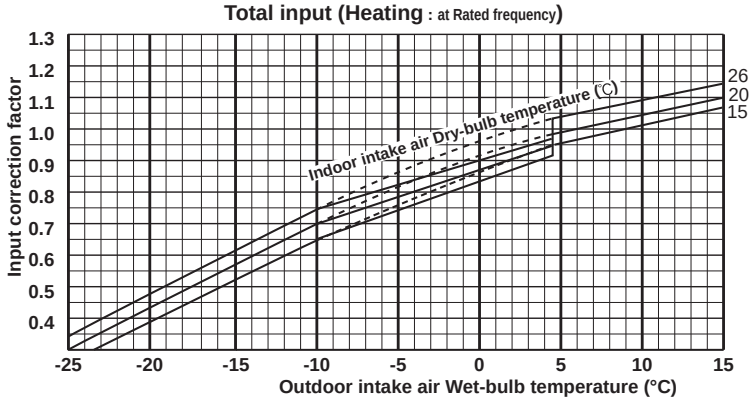


NOTE : The above broken lines are for the heating operation without any frost and defrost operation.

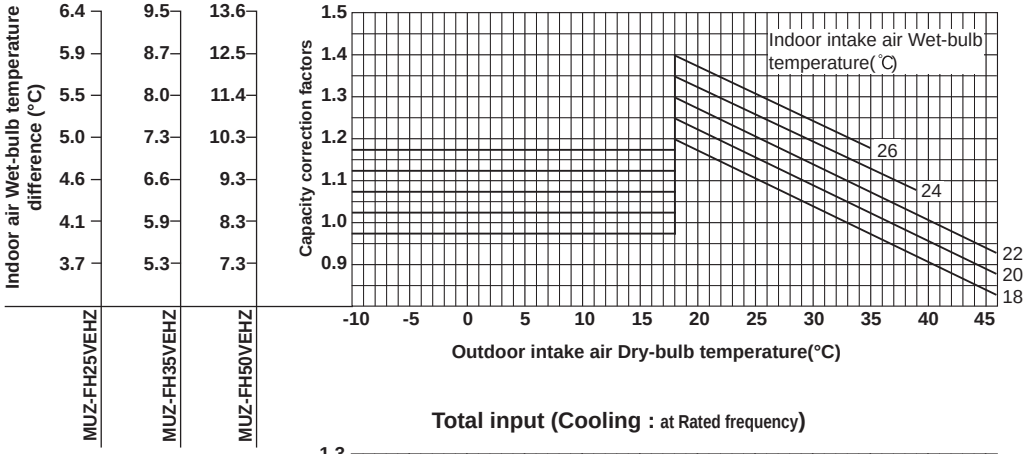

Cooling capacity (at Rated frequency)
Indoor air Wet-bulb temperature difference (°C)
5.4 7.3 11.2
5.0 6.8 10.3
4.6 6.2 9.4
4.2 5.7 8.6
3.8 5.2 7.7
3.5 4.7 6.9
3.1 4.1 6.1
MUZ-FT25VGHZ
MUZ-FT35VGHZ
MUZ-FT50VGHZ
Capacity correction factors
1.5 1.4 1.3 1.2 1.1 1.0 0.9
Indoor intake air Wet-bulb temperature(℃)
26
24
22
20
18
-10 -5 0 5 10 15 20 25 30 35 40 45
Outdoor intake air Dry-bulb temperature(°C)


Total input (Cooling : at Rated frequency)
Input correction factors
1.3 1.2 1.1 1.0 0.9 0.8
26
24
22
20
18
Indoor intake air Wet-bulb temperature(℃)
-10 -5 0 5 10 15 20 25 30 35 40 45
Outdoor intake air Dry-bulb temperature (°C)

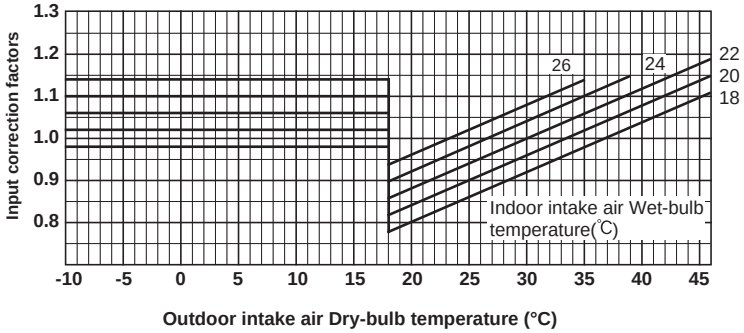

Heating capacity (at Rated frequency)
Indoor air Dry-bulb temperature difference (°C)
15.9 17.8 21.1
14.6 16.4 19.5
13.4 15.1 17.8
12.2 13.7 16.2
11.0 12.3 14.6
9.8 10.9 13.0
8.5 9.6 11.4
7.3 8.2 9.7
6.1 6.8 8.1
4.9 5.5 6.5
MUZ-FT25VGHZ
MUZ-FT35VGHZ
MUZ-FT50VGHZ
Capacity correction factor
1.3 1.2 1.1 1.0 0.9 0.8 0.7 0.6 0.5 0.4
Indoor intake air Dry-bulb temperature (℃)
15
20
26
-25 -20 -15 -10 -5 0 5 10 15
Outdoor intake air Wet-bulb temperature (°C)


Total input (Heating : at Rated frequency)
Input correction factor
1.3 1.2 1.1 1.0 0.9 0.8 0.7 0.6 0.5 0.4
Indoor intake air Dry-bulb temperature (℃)
26
20
15
-25 -20 -15 -10 -5 0 5 10 15
Outdoor intake air Wet-bulb temperature (°C)

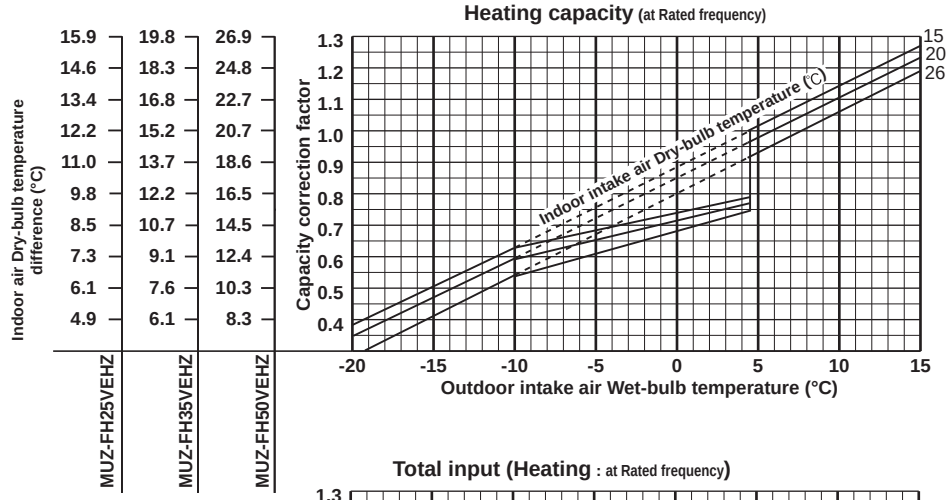
Cooling capacity (at Rated frequency)



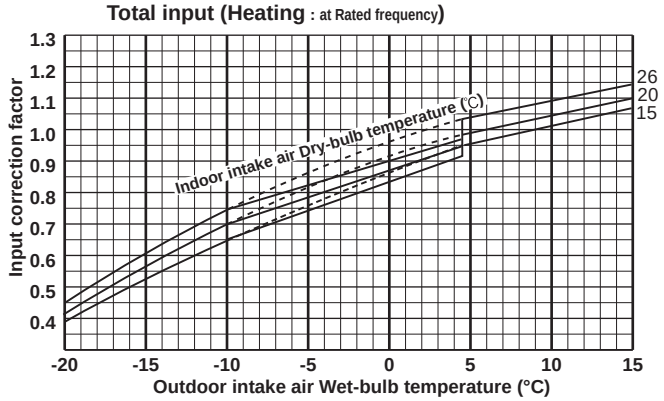
Total input (Cooling : at Rated frequency)



Heating capacity (at Rated frequency)



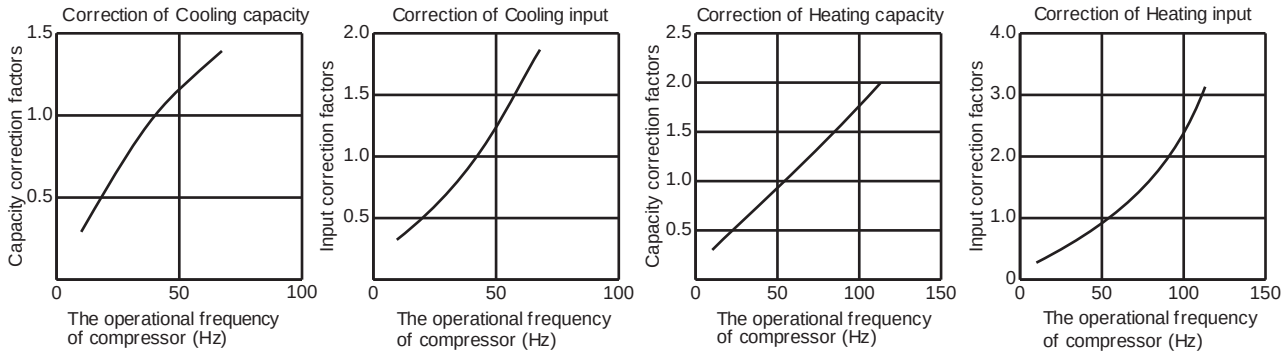
Total input (Heating : at Rated frequency)



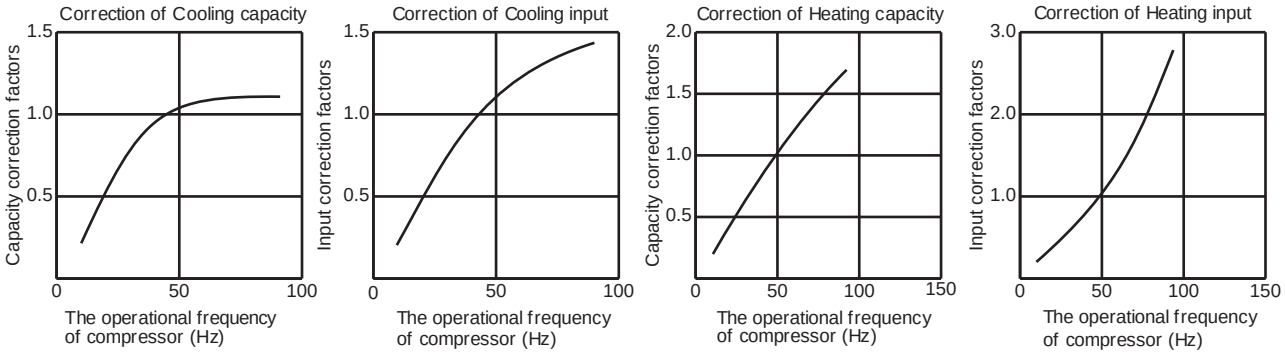
NOTE : The above broken lines are for the heating operation without any frost and defrost operation.

CAPACITY AND INPUT CORRECTION BY OPERATIONAL FREQUENCY OF COMPRESSOR

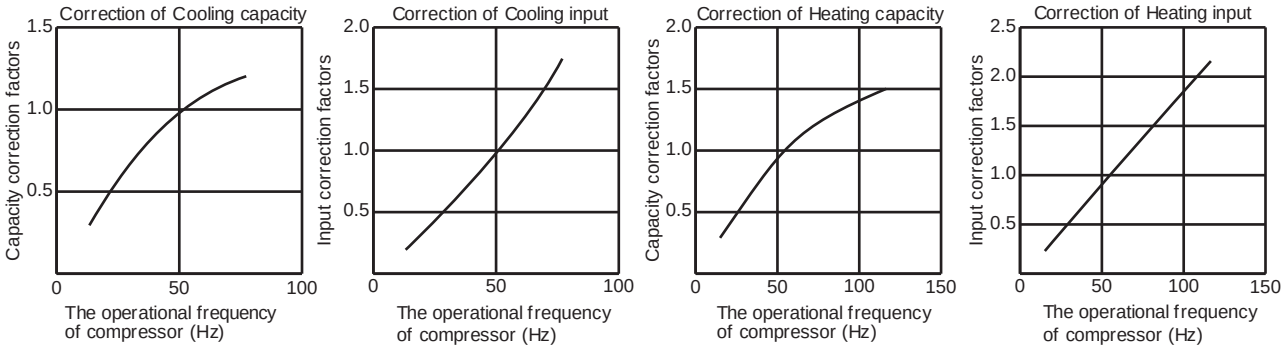
MUZ-LN25VGHZ2



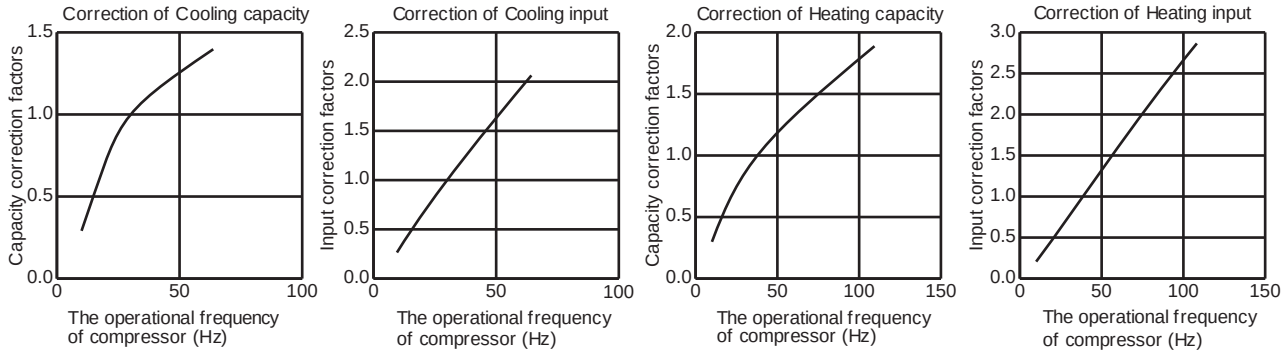
MUZ-LN35VGHZ2



MUZ-LN50VGHZ



MUZ-FT25VGHZ



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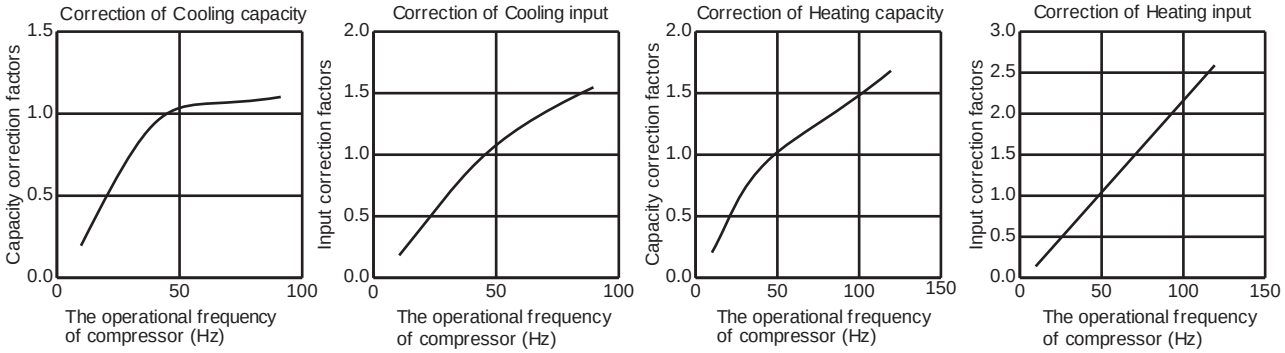

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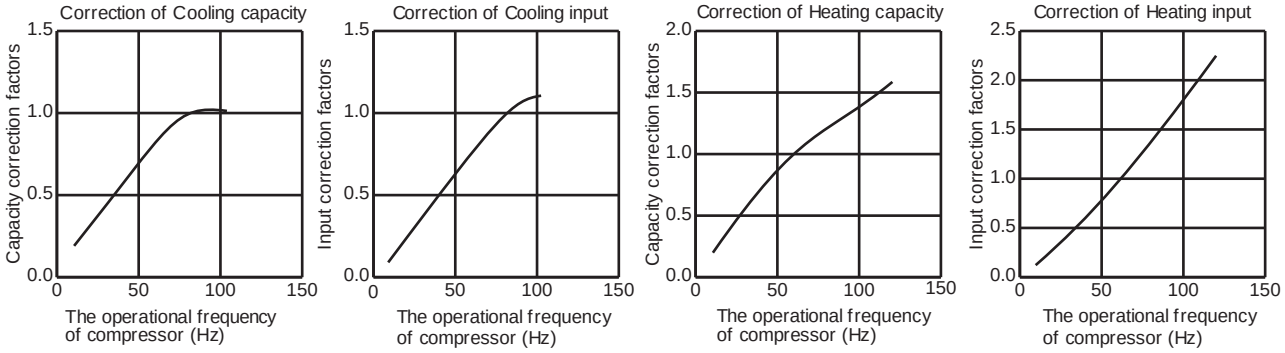

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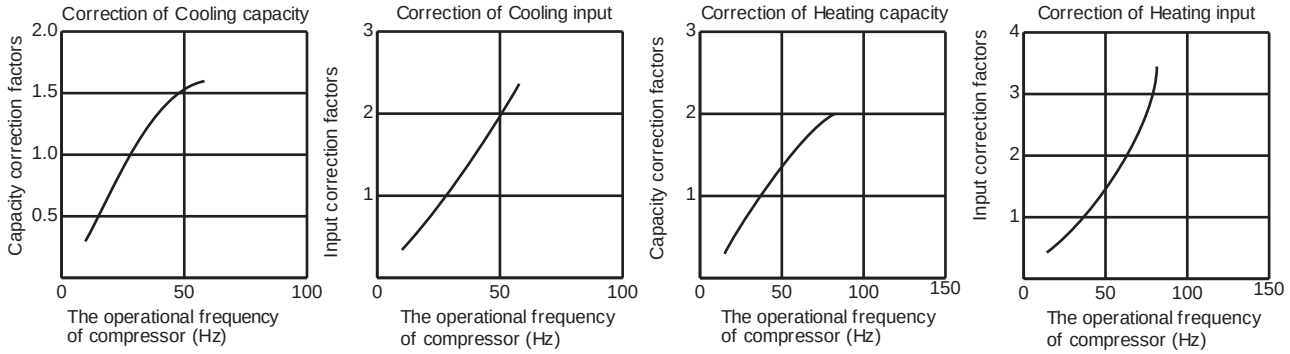

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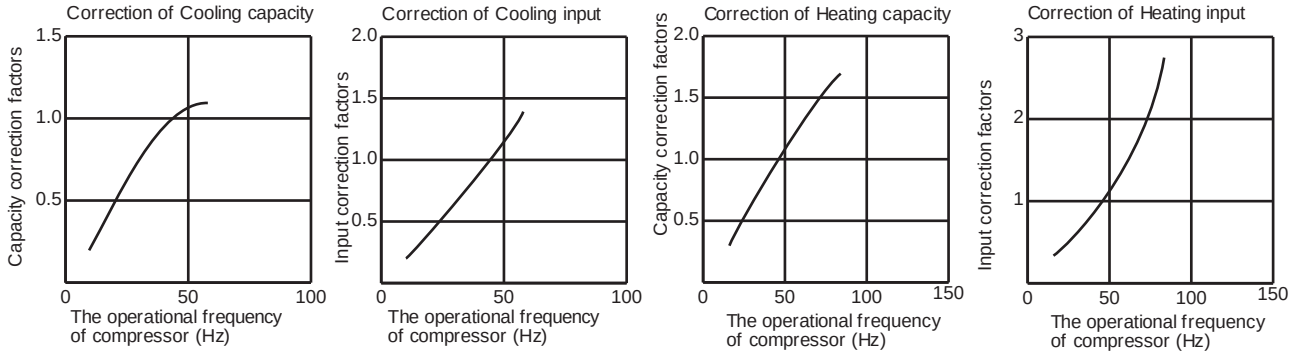

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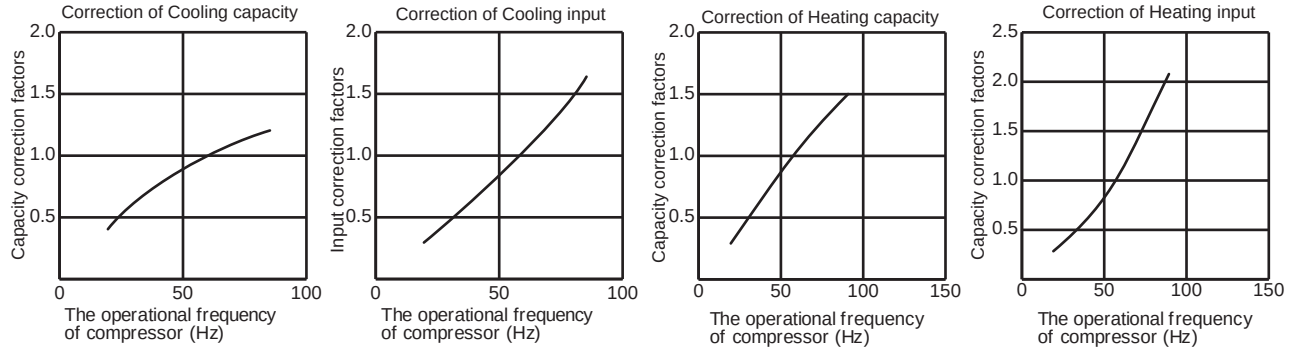

C.1.5.3 Inverter/Powerful Heating Heat Pump
HOW TO OPERATE FIXED-FREQUENCY OPERATION

<Test run operation>

1. Press EMERGENCY OPERATION switch to COOL or HEAT mode (COOL : Press once, HEAT : Press twice).
2. Test run operation starts and continues to operate for 30 minutes.
3. Compressor operates at rated frequency in COOL mode or 58Hz in HEAT mode.
4. Indoor fan operates at High speed.
5. After 30 minutes, test run operation finishes and EMERGENCY OPERATION starts (Operation frequency of compressor varies).
6. To cancel test run operation (EMERGENCY OPERATION), press EMERGENCY OPERATION switch or any button on remote controller.

OUTDOOR LOW PRESSURE AND OUTDOOR UNIT CURRENT

COOL operation

Dry-bulb temperature (°C)	Relative humidity (%)
20	50
25	60
30	70

① Both indoor and outdoor unit are under the same temperature/humidity condition.
② Operation : TEST RUN OPERATION
③ The unit of pressure has been changed to MPa on the international system of units (SI unit system)
The conversion factor is: **1 (MPa [Gauge]) = 10.2 (kgf/cm^2 [Gauge])**

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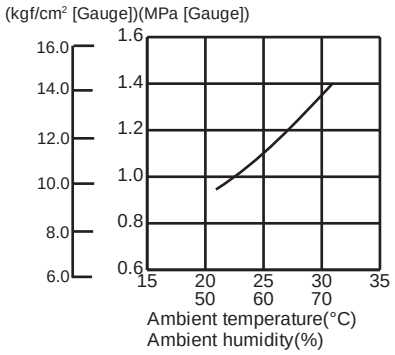

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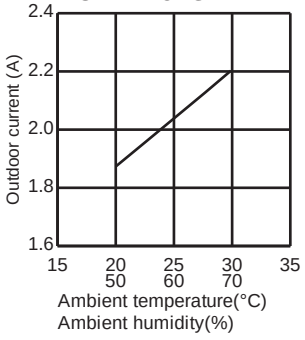

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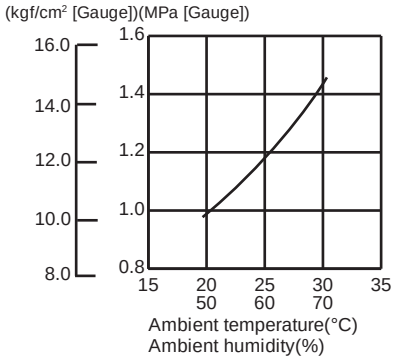

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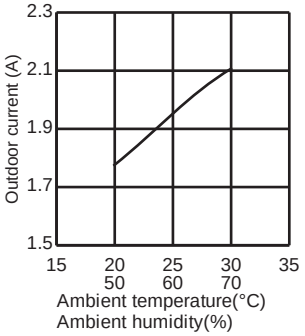

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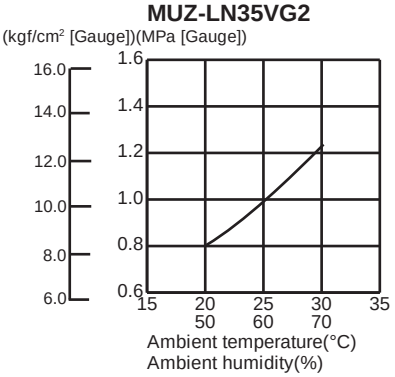

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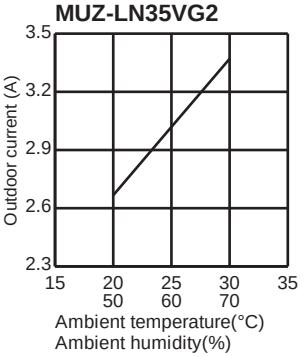

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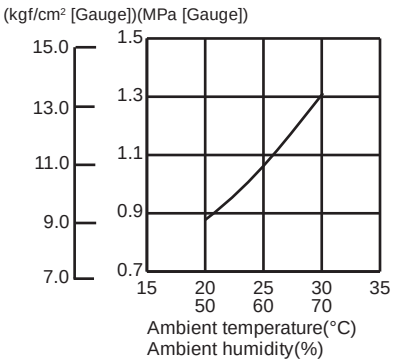

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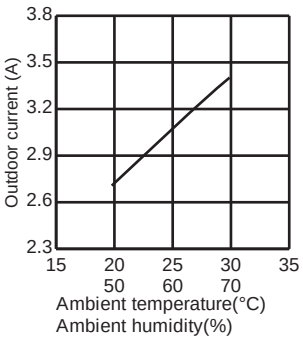

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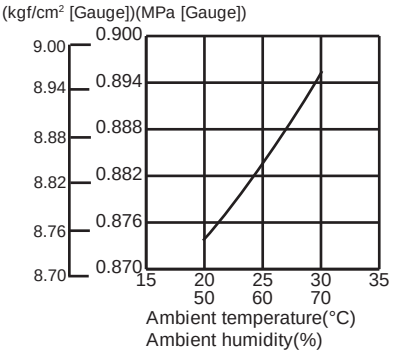

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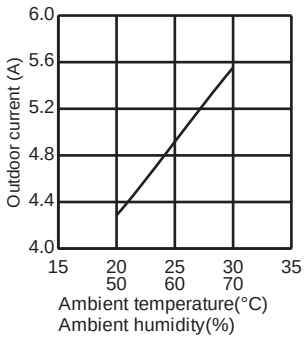

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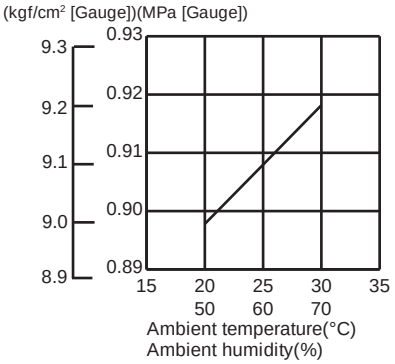

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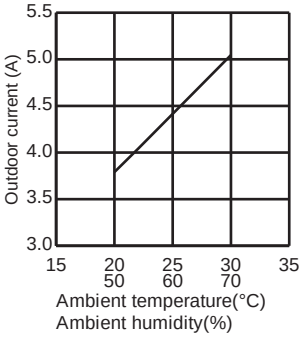

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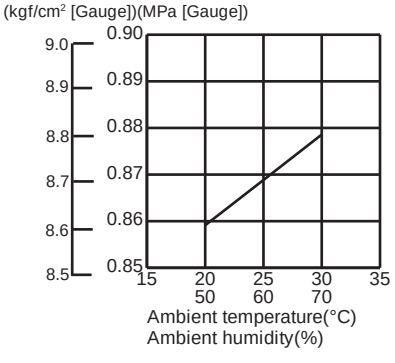

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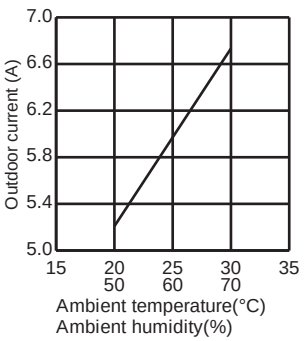

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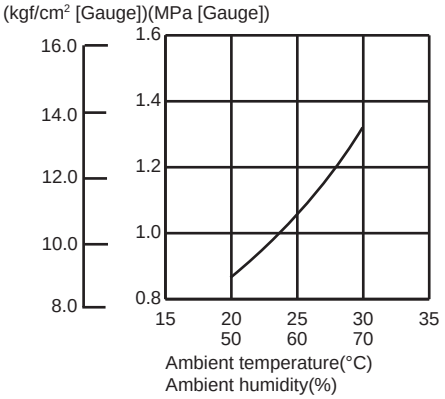

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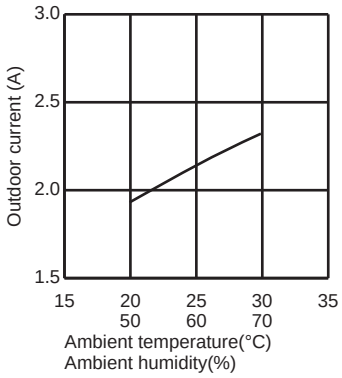

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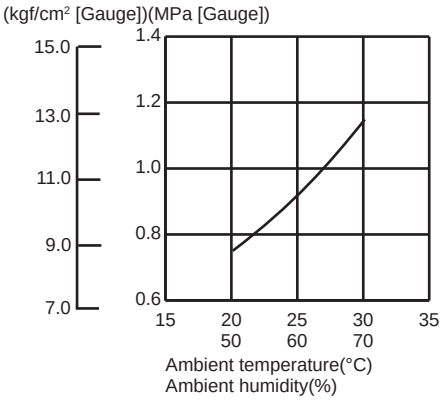

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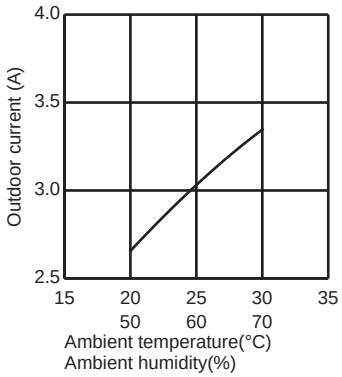

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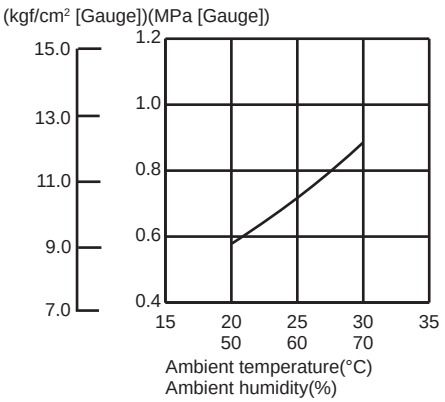

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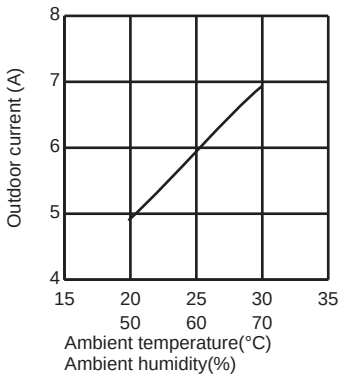

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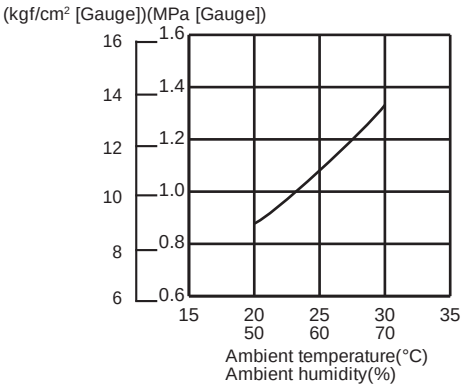

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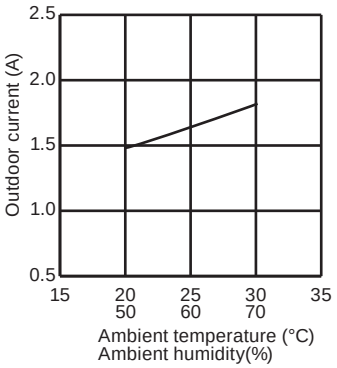

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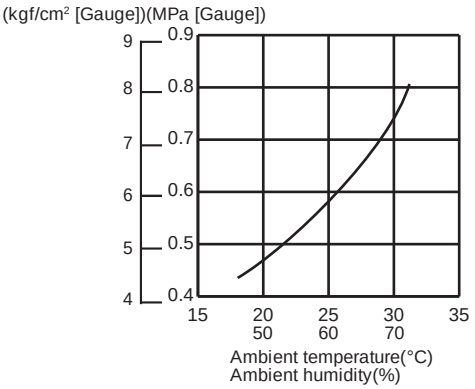

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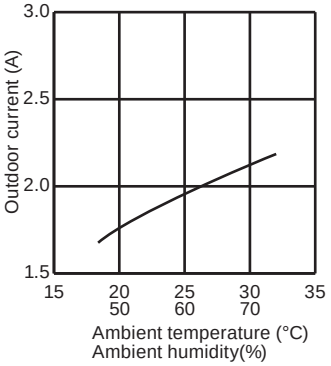

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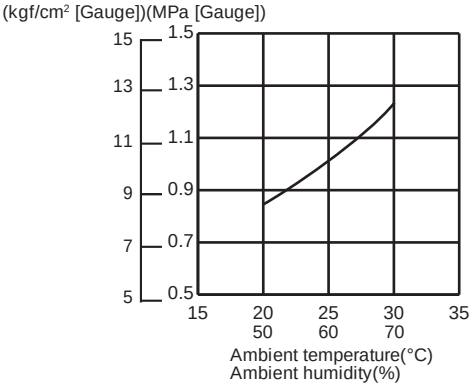

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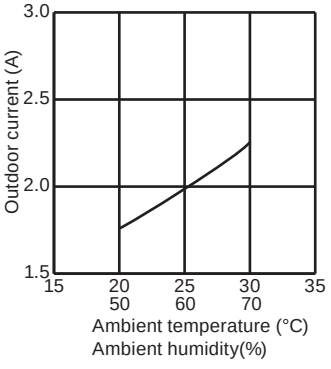

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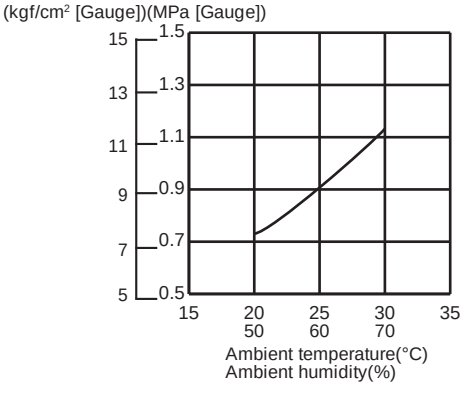

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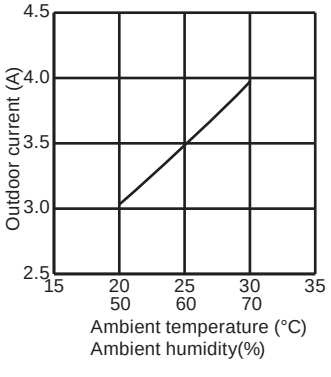

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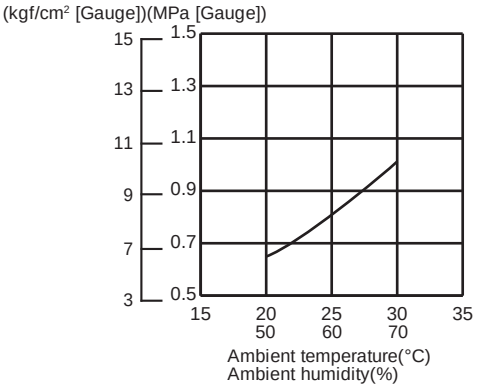

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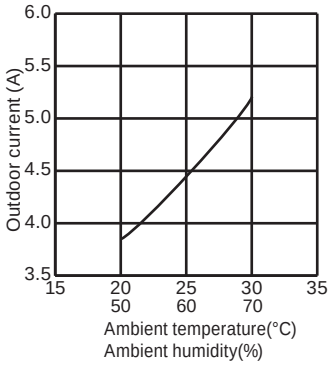

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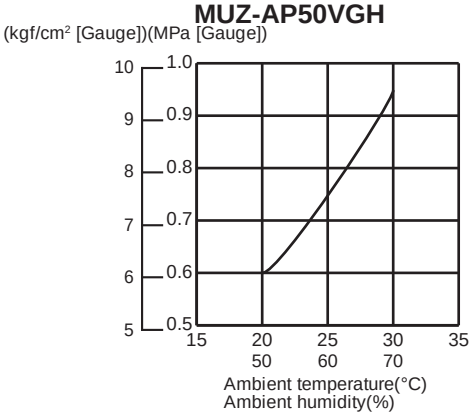

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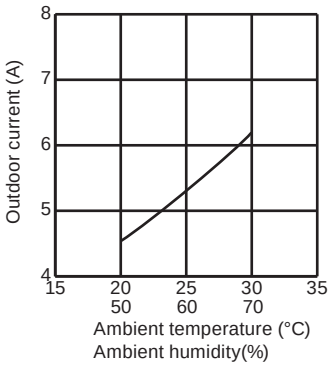

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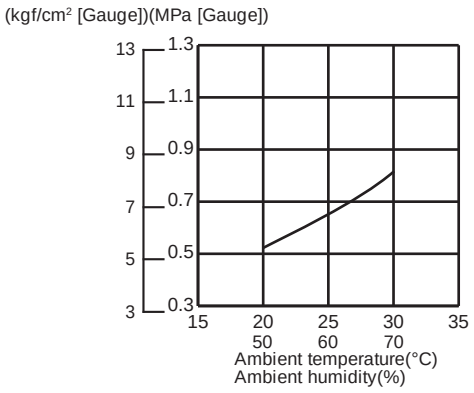

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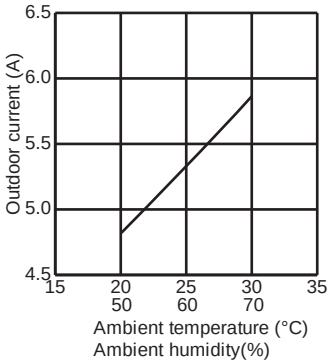

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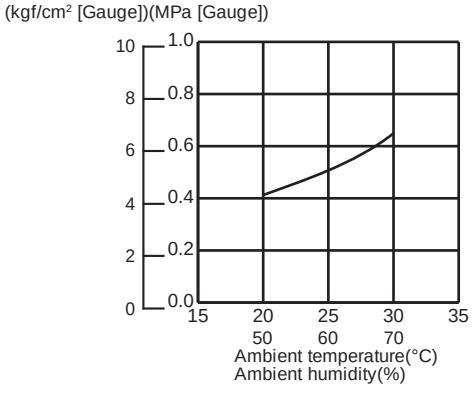

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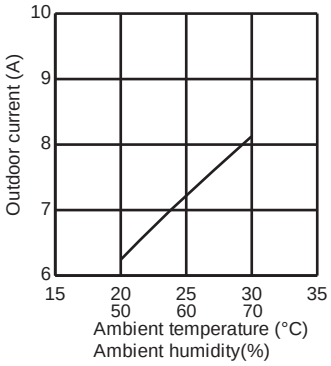

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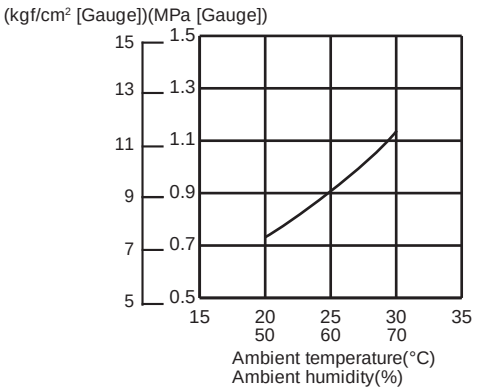

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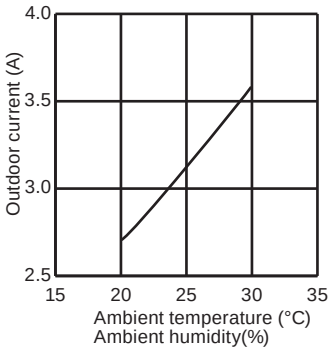

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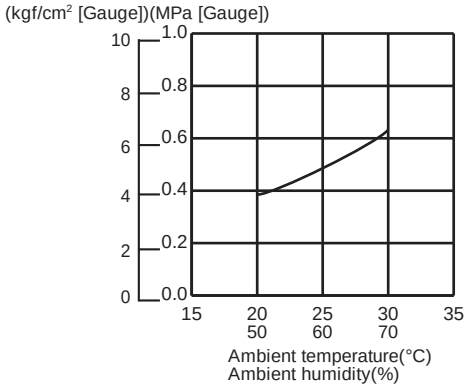

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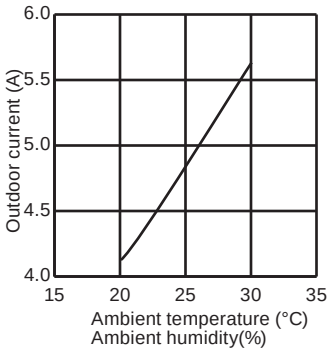

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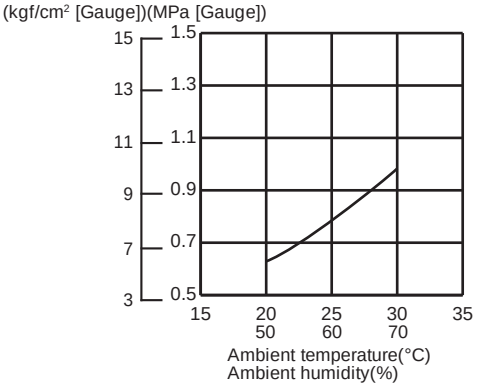

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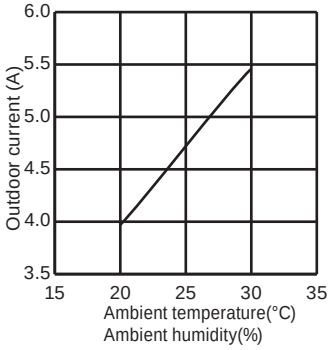

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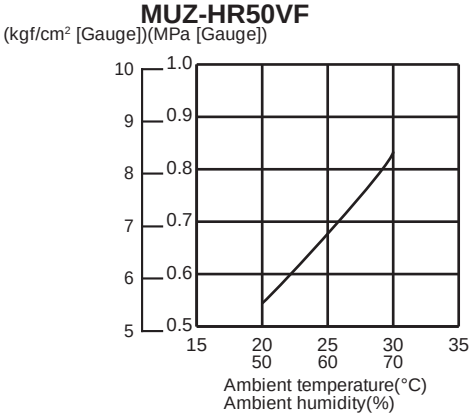

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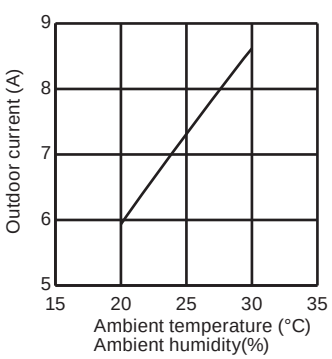

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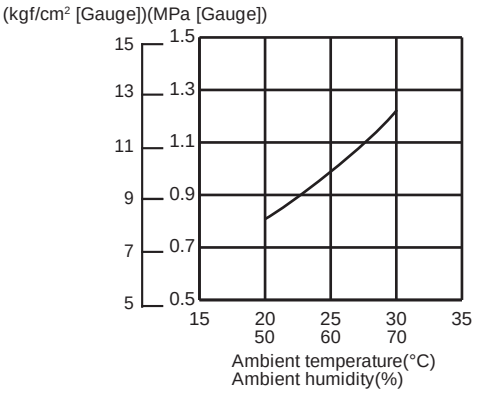

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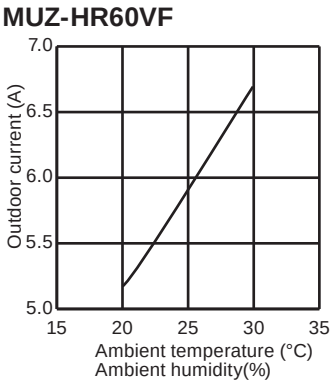

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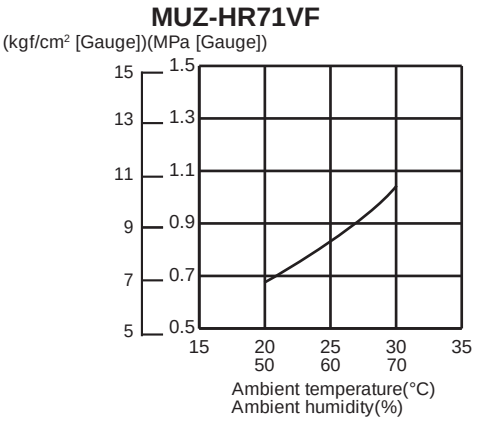

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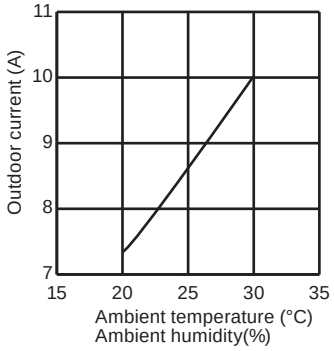

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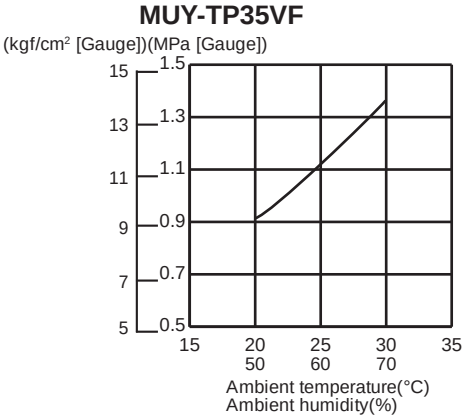

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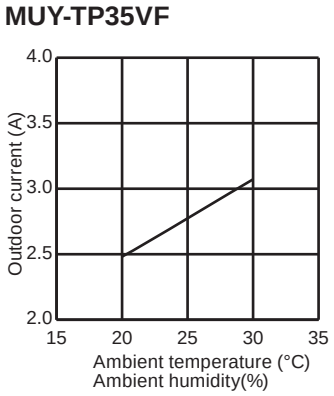

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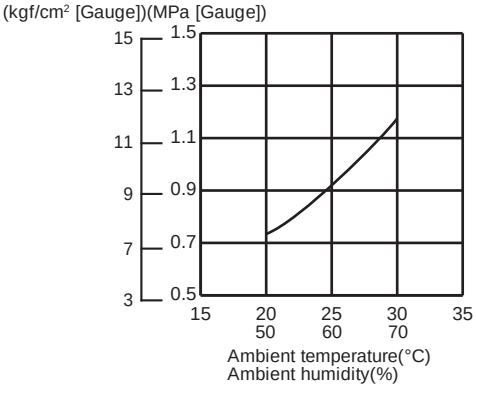

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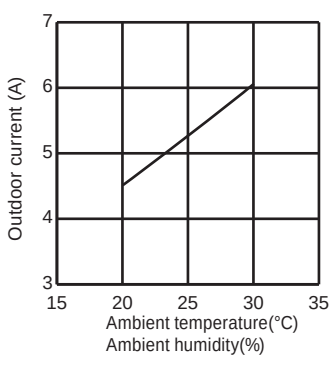

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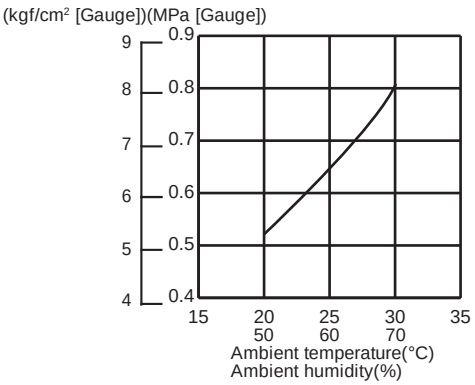

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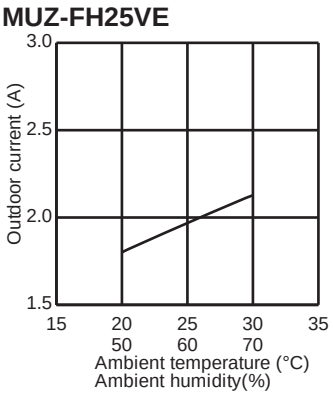

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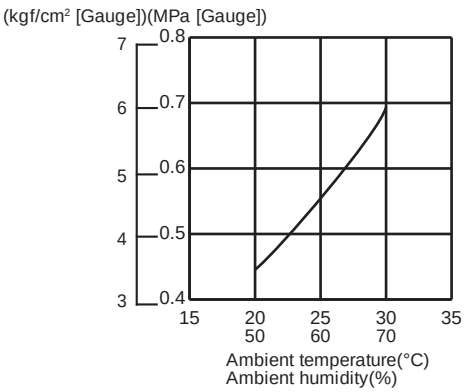

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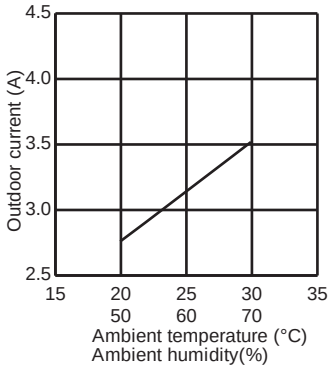

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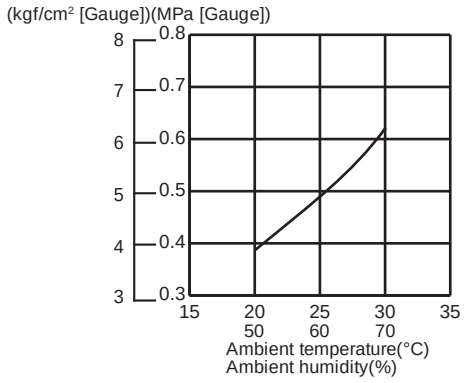

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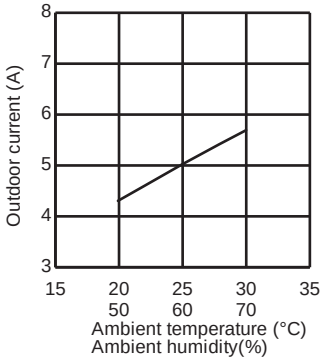

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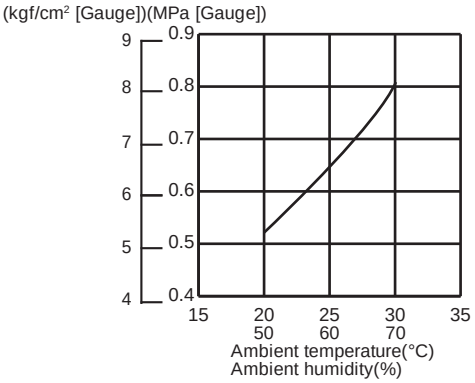

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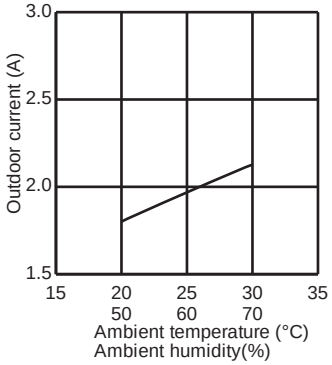

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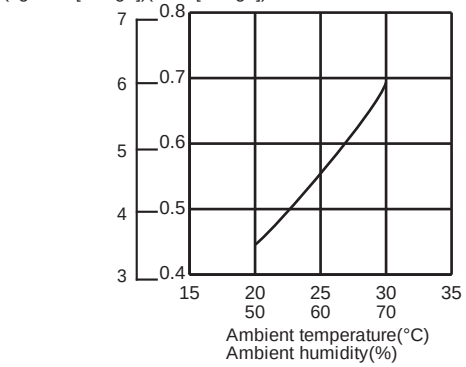

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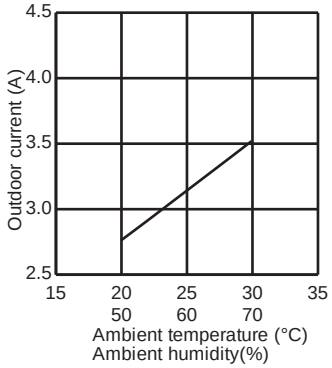

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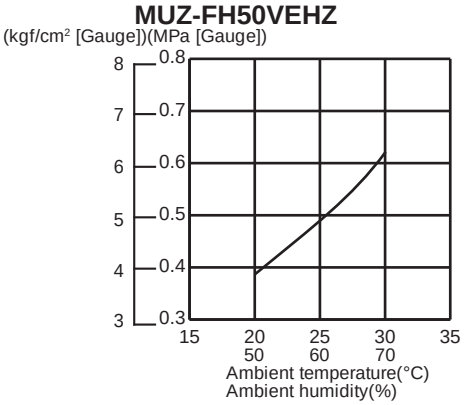

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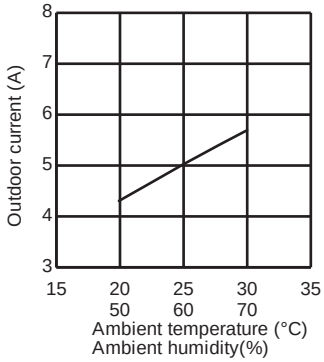

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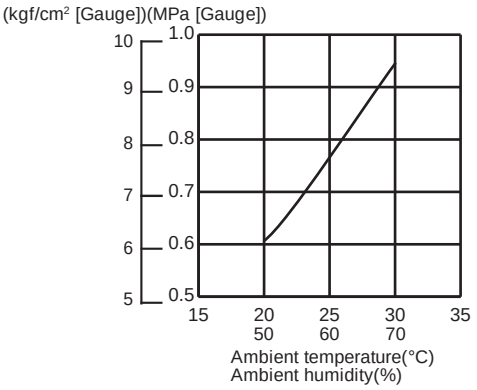

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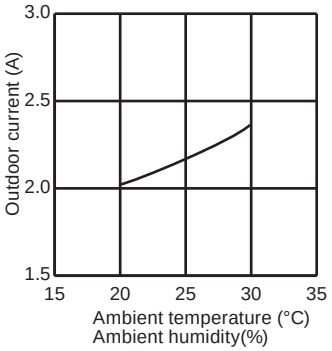

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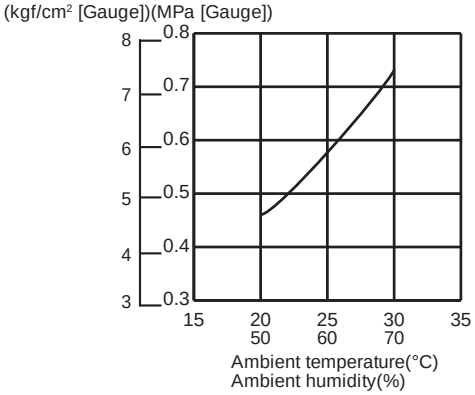

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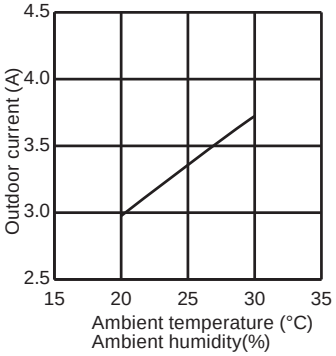

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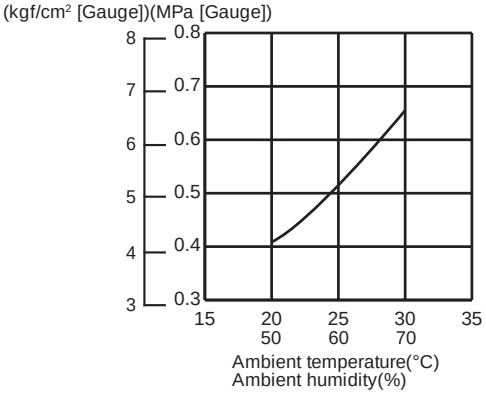

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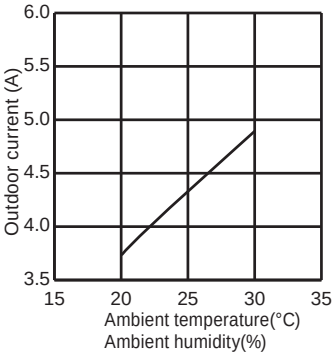

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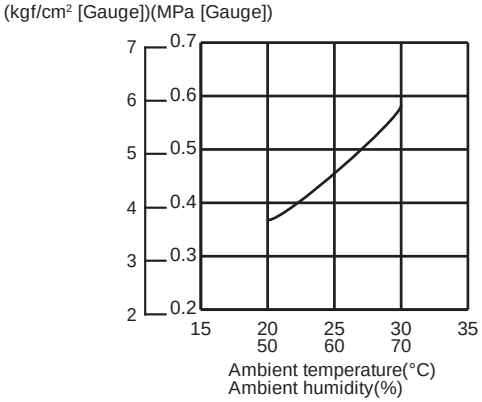

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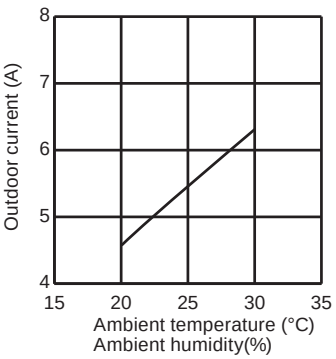

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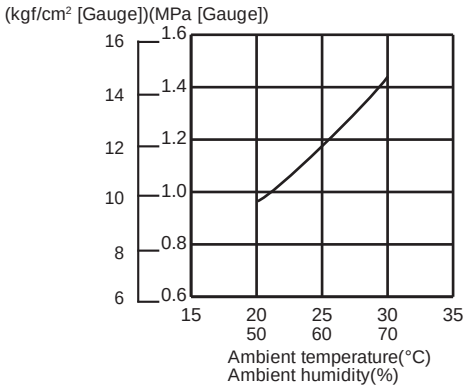

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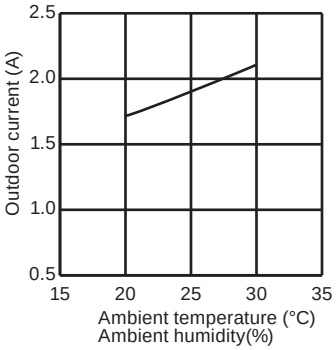

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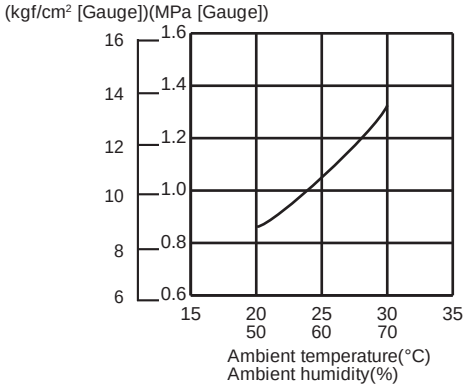

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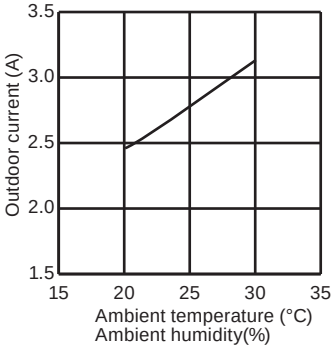

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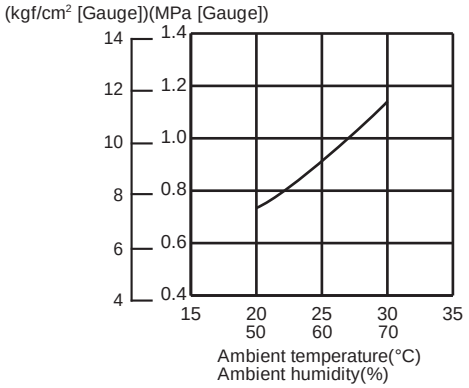

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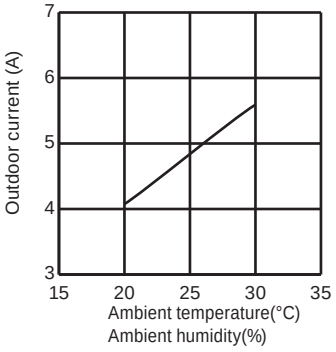

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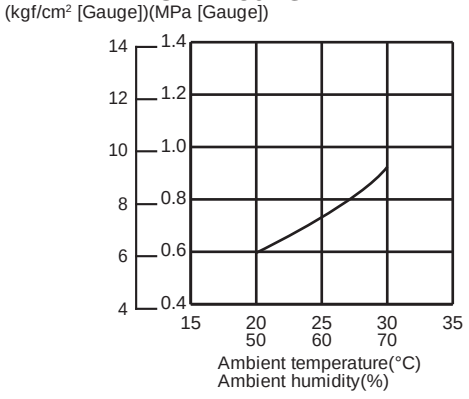

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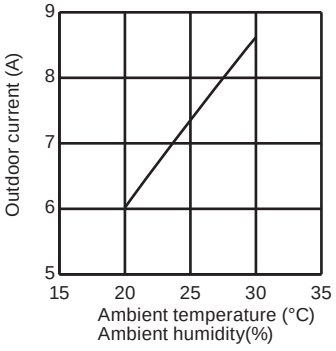

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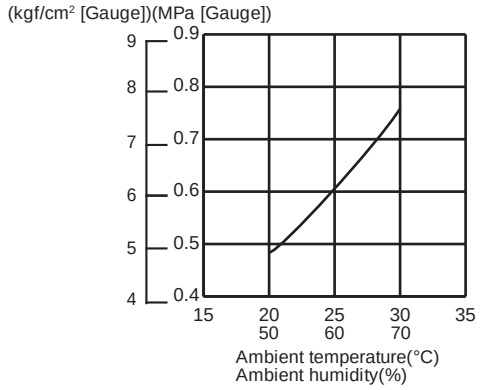

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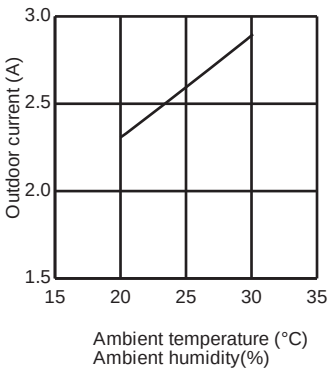

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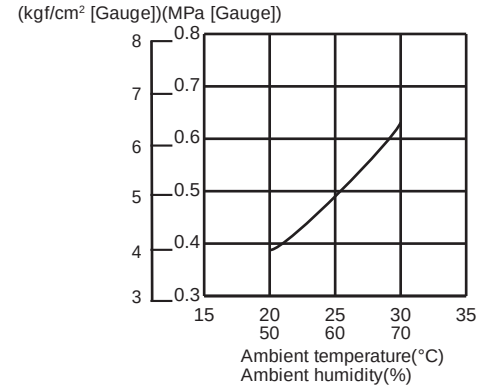

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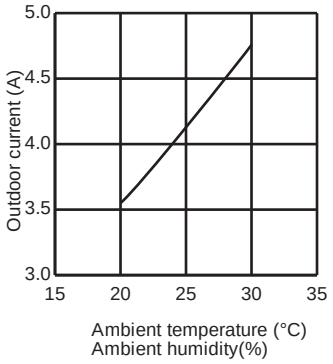

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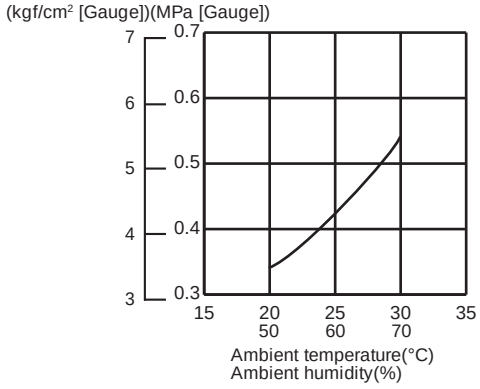

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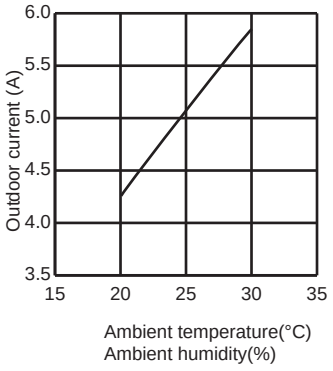

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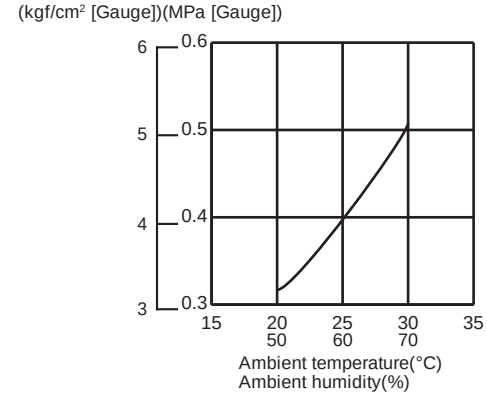

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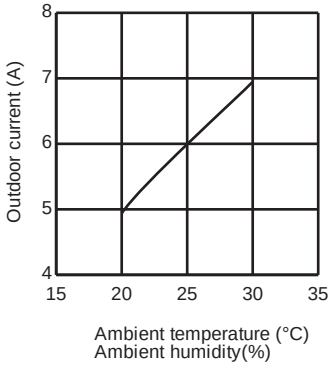

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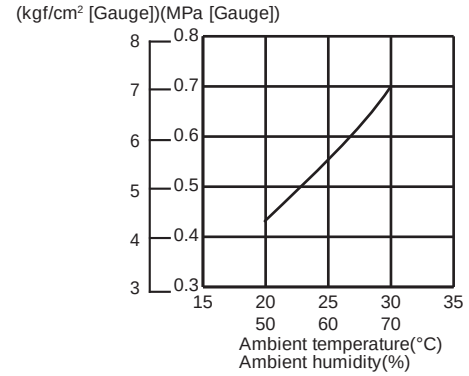

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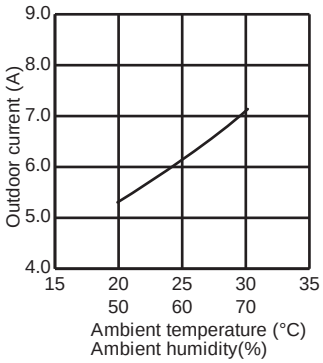

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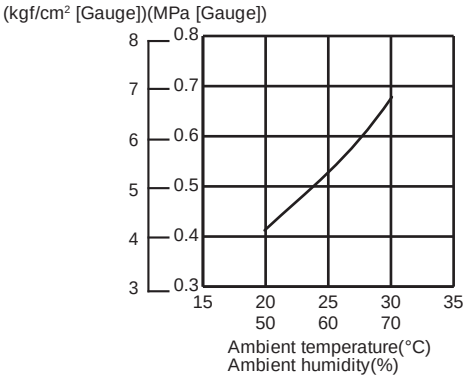

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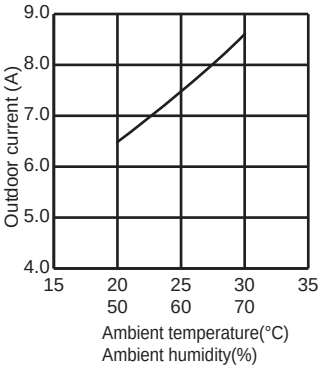

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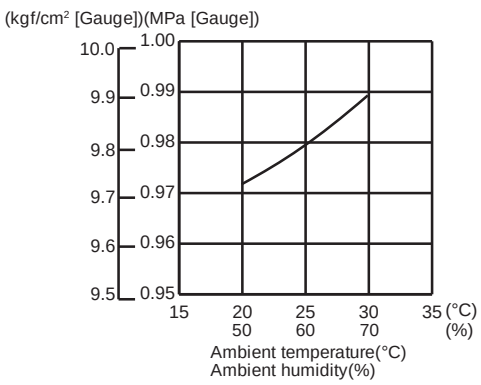

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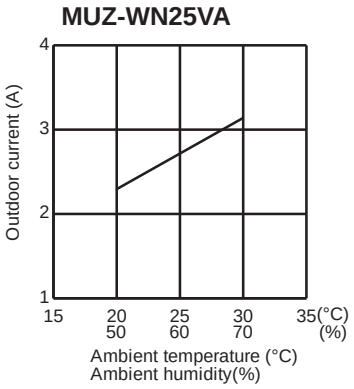

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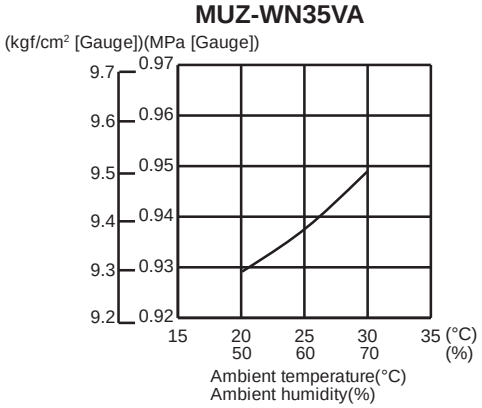

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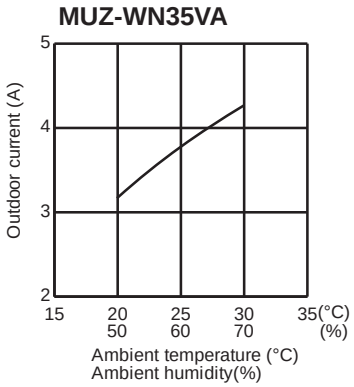

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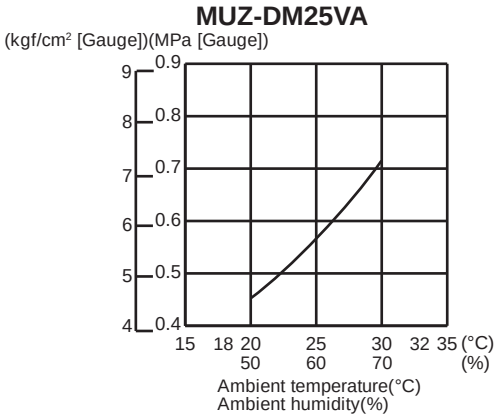

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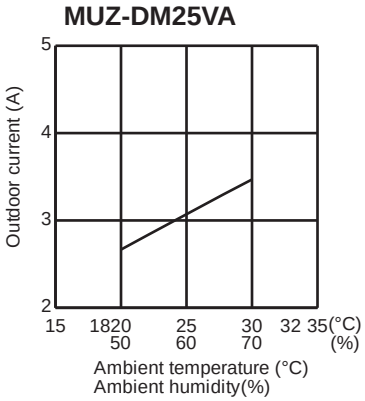

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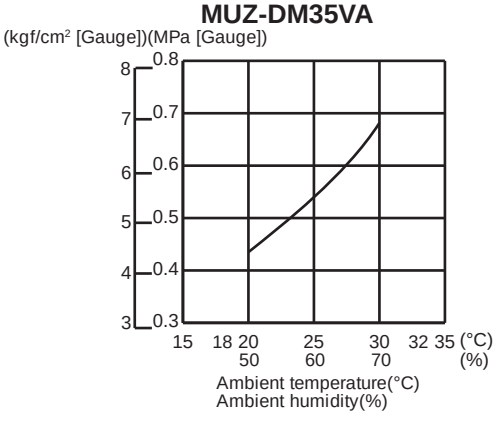

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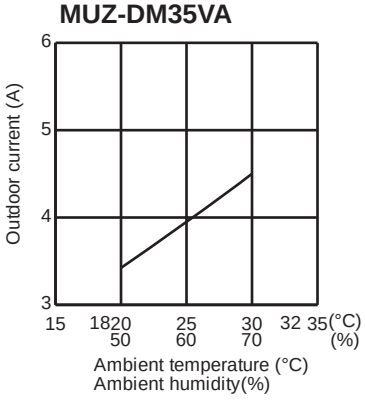

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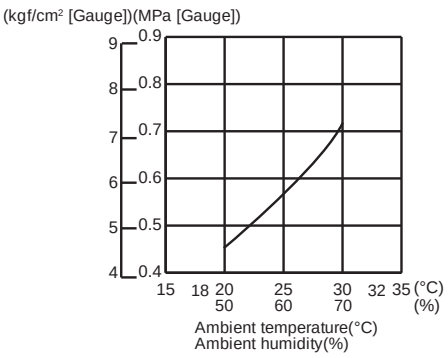

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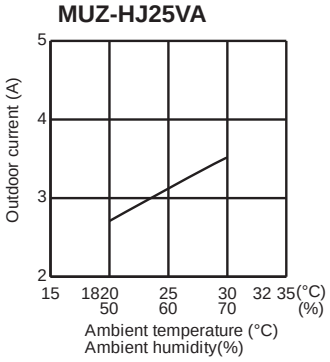

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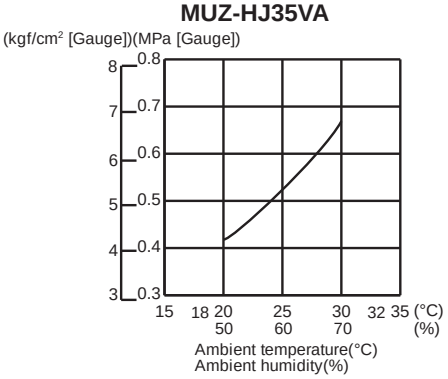

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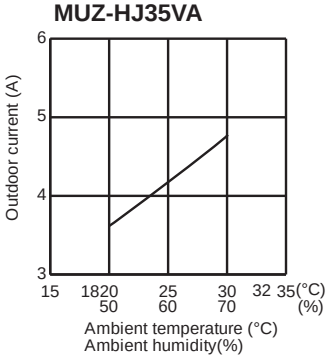

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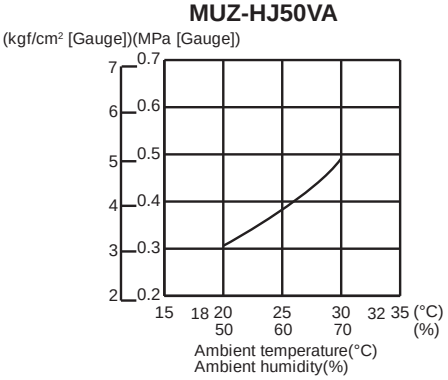

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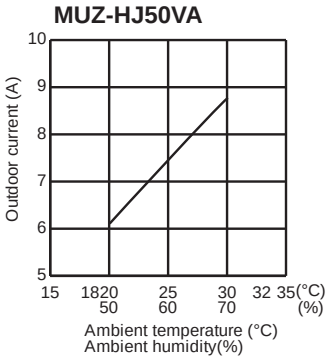

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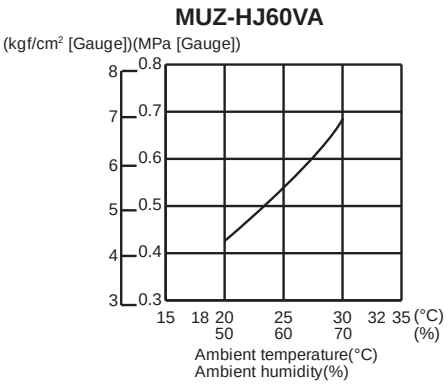

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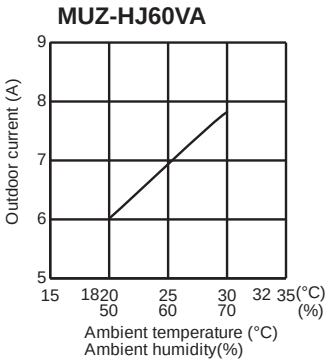

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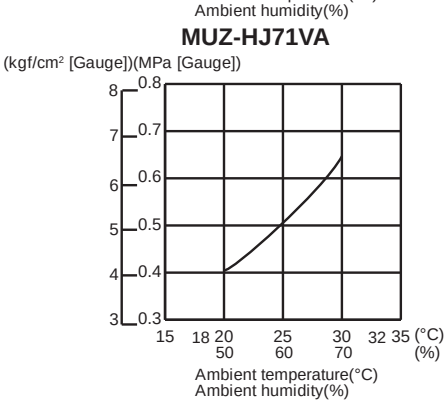

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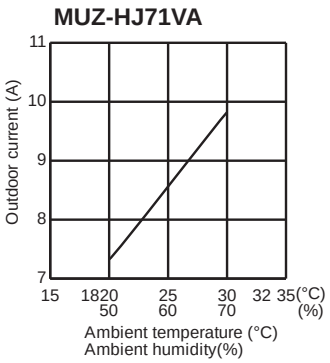


HEAT operation

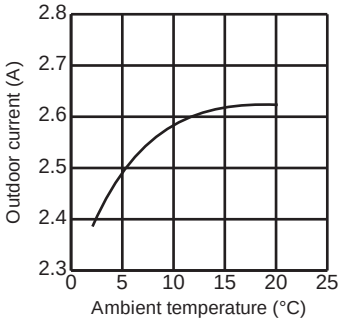
① Condition :

	Indoor	Outdoor			
Dry bulb temperature (°C)	20.0	2	7	15	20.0
Wet bulb temperature (°C)	14.5	1	6	12	14.5

② Operation : TEST RUN OPERATION

Outdoor unit current

MUZ-LN25VG2



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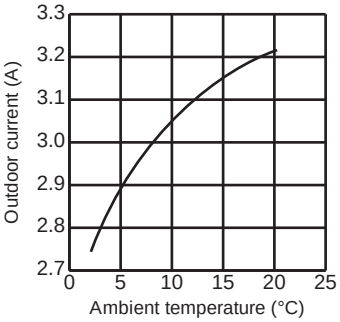

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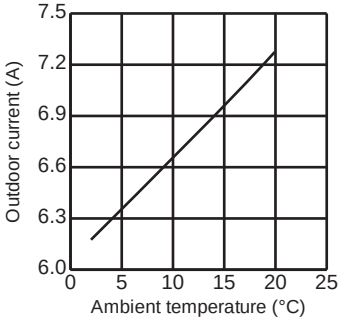

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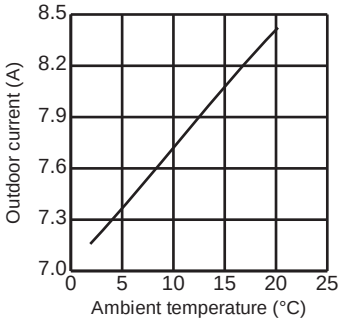

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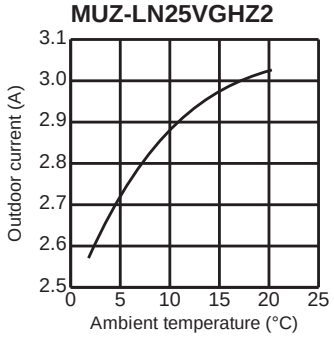

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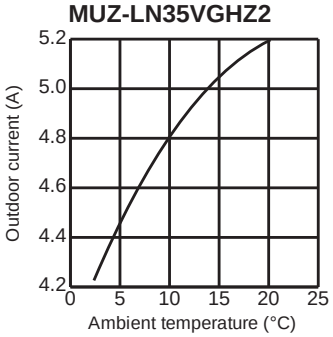

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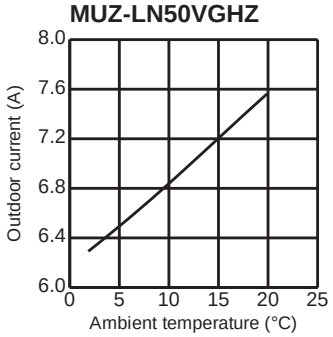

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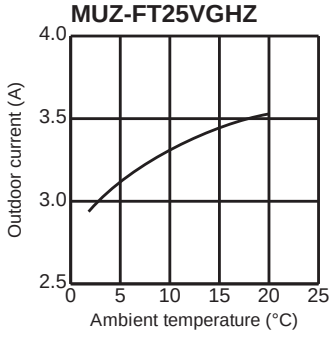

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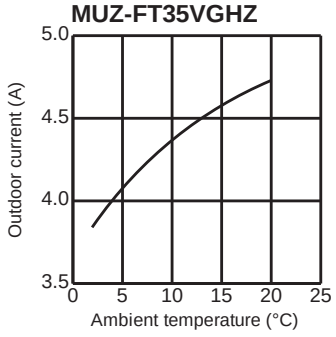

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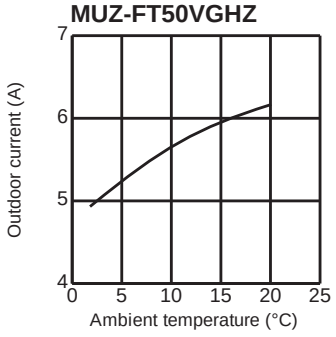

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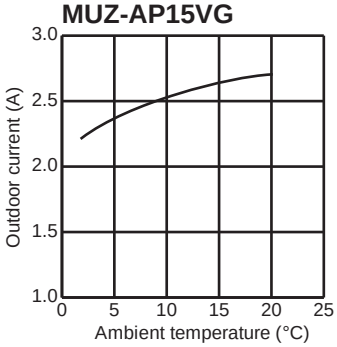

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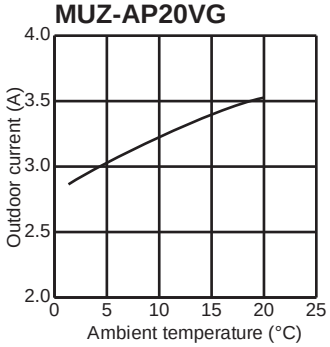

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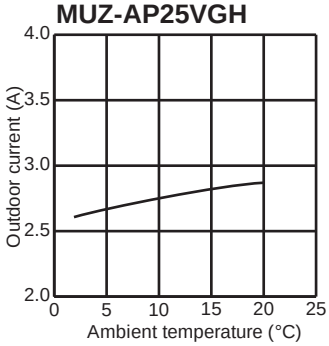

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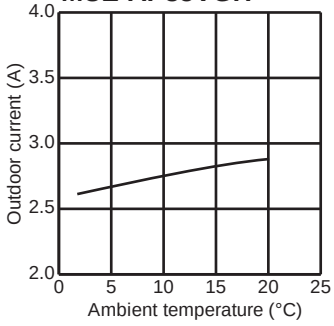

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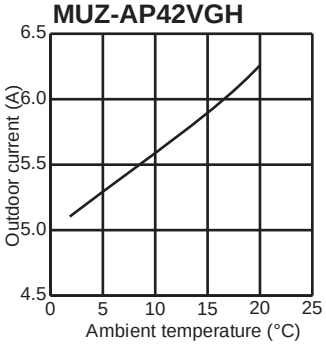

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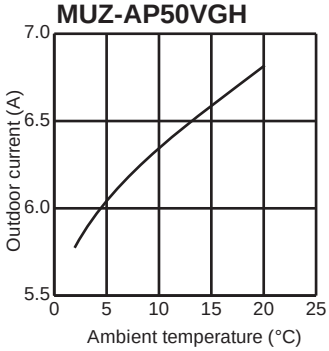

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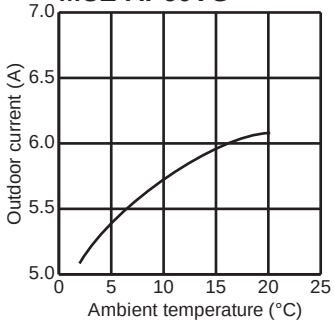

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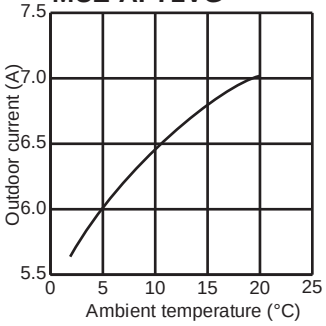

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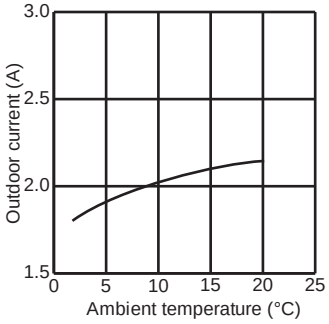

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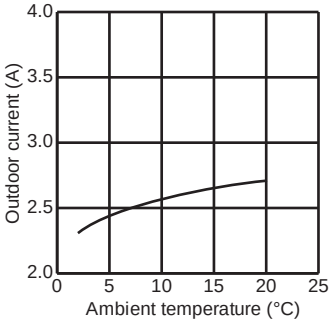

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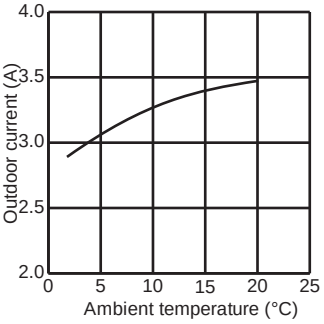

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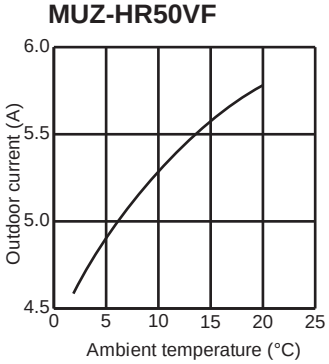

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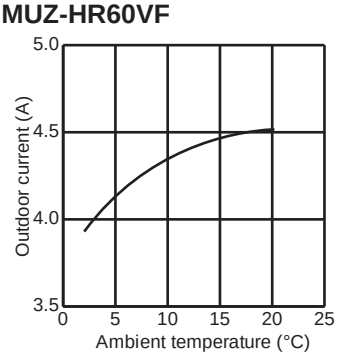

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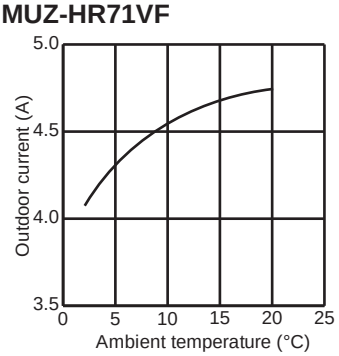

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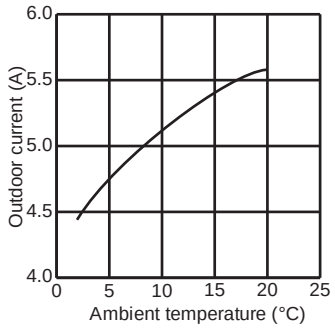

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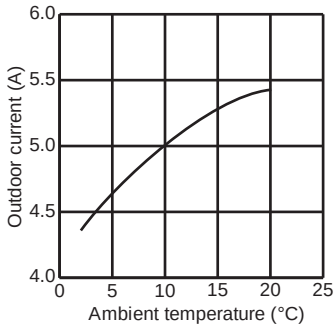

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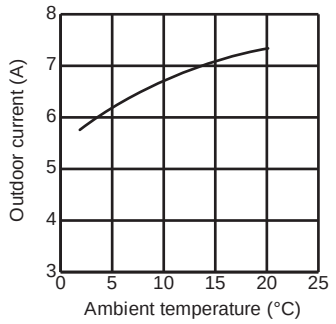

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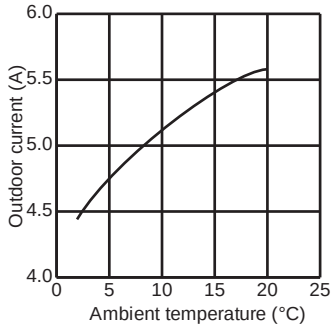

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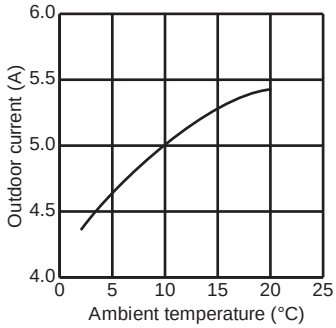

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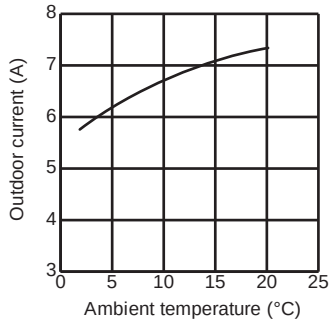

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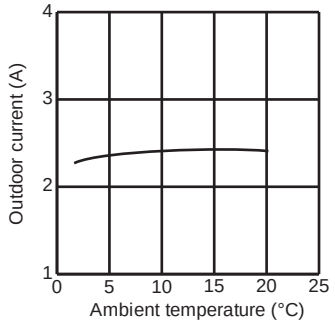

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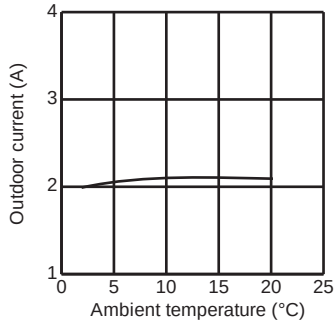

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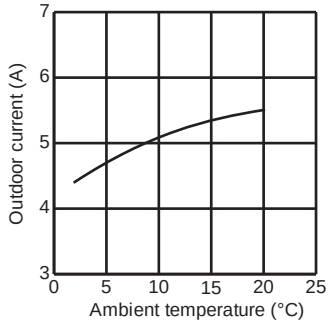

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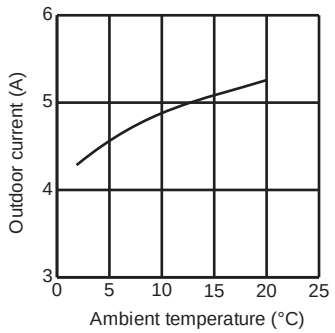

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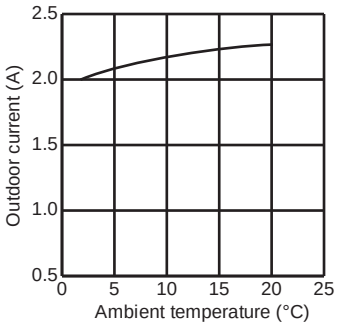

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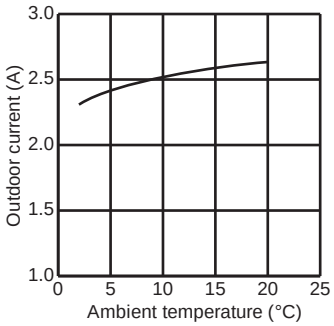

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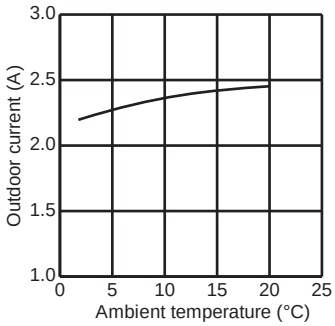

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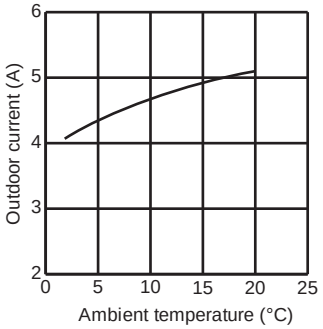

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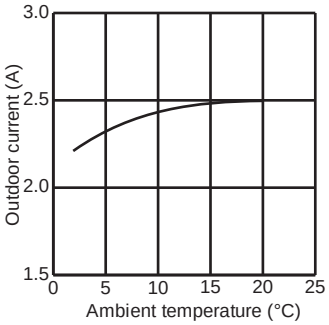
MUZ-SF25VEH



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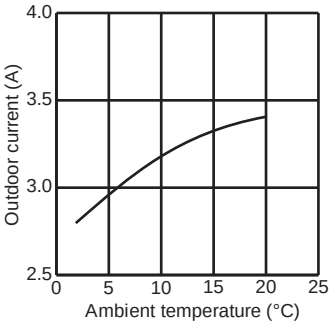

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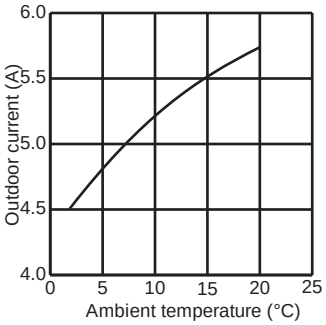
MUZ-SF42VEH



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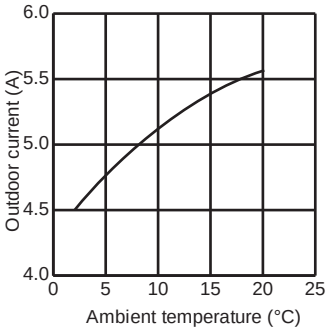

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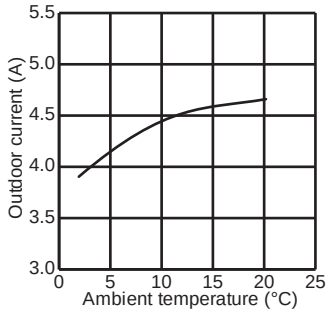

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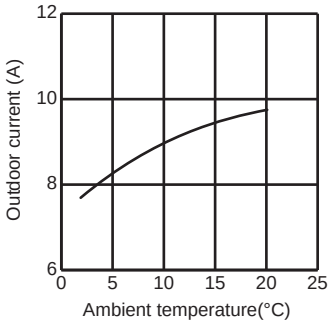

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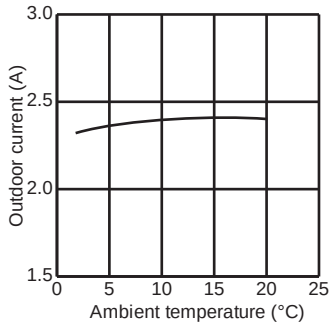

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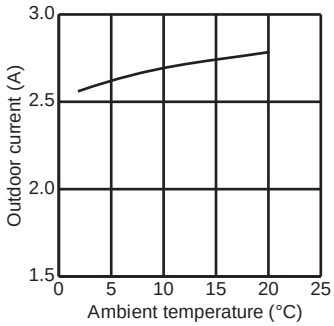

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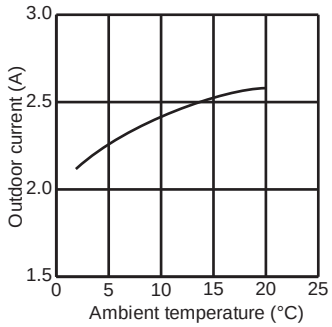

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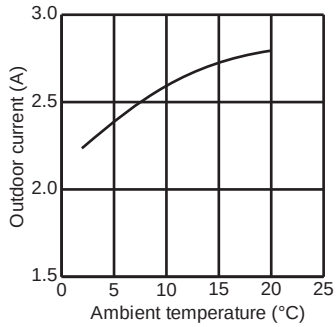

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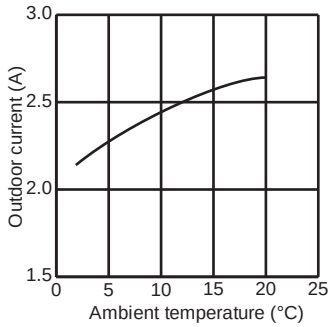

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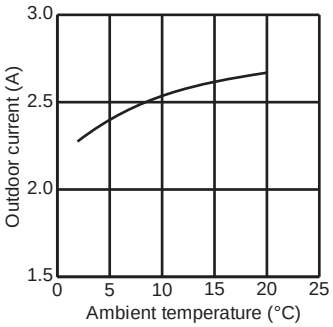

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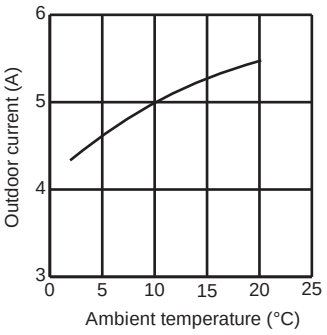

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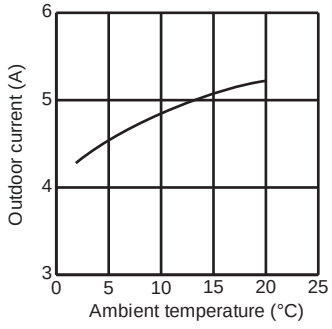
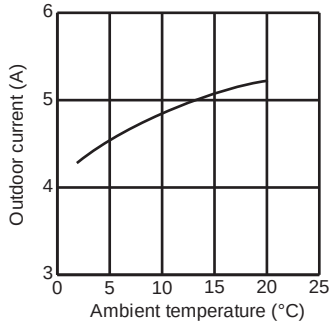


MUZ-HJ71VA



C.1.6 PERFORMANCE DATA

C.1.6.1 Inverter

Cooling performance data

MSZ-LN25VG2W/V/B/R: MUZ-LN25VG2

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.57	3.01	2.57	3.01	3.45	2.57	3.01	3.45
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	2.81	3.03	2.81	3.03	3.25	2.81	3.03	3.25
	40	Capacity	2.84	3.26	2.84	3.26	3.68	2.84	3.26	3.68
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	3.26	3.43	3.26	3.43	3.60	3.26	3.43	3.60
	35	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	3.78	3.91	3.78	3.91	4.03	3.78	3.91	4.03
	30	Capacity	3.34	3.75	3.34	3.75	4.15	3.34	3.75	4.15
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	4.36	4.45	4.36	4.45	4.54	4.36	4.45	4.54
	25	Capacity	3.64	4.03	3.64	4.03	4.41	3.64	4.03	4.41
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	5.14	5.17	5.14	5.17	5.20	5.14	5.17	5.20
	20	Capacity	3.94	4.31	3.94	4.31	4.67	3.94	4.31	4.67
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	5.93	5.89	5.93	5.89	5.86	5.93	5.89	5.86
Rated frequency	46	Capacity	1.84	2.15	1.84	2.15	2.46	1.84	2.15	2.46
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	3.72	4.01	3.72	4.01	4.30	3.72	4.01	4.30
	40	Capacity	2.03	2.33	2.03	2.33	2.63	2.03	2.33	2.63
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	4.32	4.54	4.32	4.54	4.77	4.32	4.54	4.77
	35	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	5.02	5.18	5.02	5.18	5.34	5.02	5.18	5.34
	30	Capacity	2.39	2.68	2.39	2.68	2.96	2.39	2.68	2.96
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	5.78	5.90	5.78	5.90	6.02	5.78	5.90	6.02
	25	Capacity	2.60	2.88	2.60	2.88	3.15	2.60	2.88	3.15
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	6.82	6.85	6.82	6.85	6.89	6.82	6.85	6.89
	20	Capacity	2.81	3.08	2.81	3.08	3.34	2.81	3.08	3.34
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	7.86	7.81	7.86	7.81	7.76	7.86	7.81	7.76
Minimum Frequency	46	Capacity	0.74	0.86	0.74	0.86	0.99	0.74	0.86	0.99
		EER	4.01	4.32	4.01	4.32	4.64	4.01	4.32	4.64
	40	Capacity	0.81	0.93	0.81	0.93	1.05	0.81	0.93	1.05
		EER	4.65	4.90	4.65	4.90	5.14	4.65	4.90	5.14
	35	Capacity	0.89	1.01	0.89	1.01	1.12	0.89	1.01	1.12
		EER	5.41	5.58	5.41	5.58	5.76	5.41	5.58	5.76
	30	Capacity	0.96	1.07	0.96	1.07	1.19	0.96	1.07	1.19
		EER	6.23	6.36	6.23	6.36	6.49	6.23	6.36	6.49
	25	Capacity	1.04	1.15	1.04	1.15	1.26	1.04	1.15	1.26
		EER	7.35	7.39	7.35	7.39	7.43	7.35	7.39	7.43
	20	Capacity	1.13	1.23	1.13	1.23	1.34	1.13	1.23	1.34
		EER	8.47	8.42	8.47	8.42	8.37	8.47	8.42	8.37

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	5.02	5.18	5.02	5.18	5.34	5.02	5.18	5.34

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-LN25VG2W/V/B/R: MUZ-LN25VGHZ2

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.57	3.01	2.57	3.01	3.45	2.57	3.01	3.45
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	2.81	3.03	2.81	3.03	3.25	2.81	3.03	3.25
	40	Capacity	2.84	3.26	2.84	3.26	3.68	2.84	3.26	3.68
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	3.26	3.43	3.26	3.43	3.60	3.26	3.43	3.60
	35	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	3.78	3.91	3.78	3.91	4.03	3.78	3.91	4.03
	30	Capacity	3.34	3.75	3.34	3.75	4.15	3.34	3.75	4.15
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	4.36	4.45	4.36	4.45	4.54	4.36	4.45	4.54
	25	Capacity	3.64	4.03	3.64	4.03	4.41	3.64	4.03	4.41
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	5.14	5.17	5.14	5.17	5.20	5.14	5.17	5.20
	20	Capacity	3.94	4.31	3.94	4.31	4.67	3.94	4.31	4.67
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	5.93	5.89	5.93	5.89	5.86	5.93	5.89	5.86
Rated frequency	46	Capacity	1.84	2.15	1.84	2.15	2.46	1.84	2.15	2.46
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	3.72	4.01	3.72	4.01	4.30	3.72	4.01	4.30
	40	Capacity	2.03	2.33	2.03	2.33	2.63	2.03	2.33	2.63
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	4.32	4.54	4.32	4.54	4.77	4.32	4.54	4.77
	35	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	5.02	5.18	5.02	5.18	5.34	5.02	5.18	5.34
	30	Capacity	2.39	2.68	2.39	2.68	2.96	2.39	2.68	2.96
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	5.78	5.90	5.78	5.90	6.02	5.78	5.90	6.02
	25	Capacity	2.60	2.88	2.60	2.88	3.15	2.60	2.88	3.15
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	6.82	6.85	6.82	6.85	6.89	6.82	6.85	6.89
	20	Capacity	2.81	3.08	2.81	3.08	3.34	2.81	3.08	3.34
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	7.86	7.81	7.86	7.81	7.76	7.86	7.81	7.76
Minimum Frequency	46	Capacity	0.59	0.69	0.59	0.69	0.79	0.59	0.69	0.79
		EER	3.61	3.89	3.61	3.89	4.17	3.61	3.89	4.17
	40	Capacity	0.65	0.74	0.65	0.74	0.84	0.65	0.74	0.84
		EER	4.19	4.41	4.19	4.41	4.62	4.19	4.41	4.62
	35	Capacity	0.71	0.80	0.71	0.80	0.90	0.71	0.80	0.90
		EER	4.86	5.02	4.86	5.02	5.18	4.86	5.02	5.18
	30	Capacity	0.76	0.86	0.76	0.86	0.95	0.76	0.86	0.95
		EER	5.60	5.72	5.60	5.72	5.84	5.60	5.72	5.84
	25	Capacity	0.83	0.92	0.83	0.92	1.01	0.83	0.92	1.01
		EER	6.61	6.65	6.61	6.65	6.68	6.61	6.65	6.68
	20	Capacity	0.90	0.98	0.90	0.98	1.07	0.90	0.98	1.07
		EER	7.62	7.58	7.62	7.58	7.53	7.62	7.58	7.53

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	5.02	5.18	5.02	5.18	5.34	5.02	5.18	5.34

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-LN35VG2W/V/B/R: MUZ-LN35VG2

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.94	3.44	2.94	3.44	3.94	2.94	3.44	3.94
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	2.45	2.64	2.45	2.64	2.83	2.45	2.64	2.83
	40	Capacity	3.24	3.72	3.24	3.72	4.20	3.24	3.72	4.20
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	2.84	2.99	2.84	2.99	3.14	2.84	2.99	3.14
	35	Capacity	3.56	4.02	3.56	4.02	4.48	3.56	4.02	4.48
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	3.30	3.41	3.30	3.41	3.51	3.30	3.41	3.51
	30	Capacity	3.82	4.28	3.82	4.28	4.74	3.82	4.28	4.74
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	3.80	3.88	3.80	3.88	3.96	3.80	3.88	3.96
	25	Capacity	4.16	4.60	4.16	4.60	5.04	4.16	4.60	5.04
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	4.48	4.51	4.48	4.51	4.53	4.48	4.51	4.53
	20	Capacity	4.50	4.92	4.50	4.92	5.34	4.50	4.92	5.34
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	5.17	5.14	5.17	5.14	5.11	5.17	5.14	5.11
Rated frequency	46	Capacity	2.57	3.01	2.57	3.01	3.45	2.57	3.01	3.45
		SHF	0.90	0.66	1.00	0.90	0.66	1.00	1.00	0.86
		EER	3.08	3.32	3.08	3.32	3.56	3.08	3.32	3.56
	40	Capacity	2.84	3.26	2.84	3.26	3.68	2.84	3.26	3.68
		SHF	0.90	0.66	1.00	0.90	0.66	1.00	1.00	0.86
		EER	3.58	3.76	3.58	3.76	3.95	3.58	3.76	3.95
	35	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.90	0.66	1.00	0.90	0.66	1.00	1.00	0.86
		EER	4.15	4.29	4.15	4.29	4.43	4.15	4.29	4.43
	30	Capacity	3.34	3.75	3.34	3.75	4.15	3.34	3.75	4.15
		SHF	0.90	0.66	1.00	0.90	0.66	1.00	1.00	0.86
		EER	4.78	4.88	4.78	4.88	4.98	4.78	4.88	4.98
	25	Capacity	3.64	4.03	3.64	4.03	4.41	3.64	4.03	4.41
		SHF	0.90	0.66	1.00	0.90	0.66	1.00	1.00	0.86
		EER	5.65	5.68	5.65	5.68	5.71	5.65	5.68	5.71
	20	Capacity	3.94	4.31	3.94	4.31	4.67	3.94	4.31	4.67
		SHF	0.90	0.66	1.00	0.90	0.66	1.00	1.00	0.86
		EER	6.51	6.47	6.51	6.47	6.43	6.51	6.47	6.43
Minimum Frequency	46	Capacity	0.59	0.69	0.59	0.69	0.79	0.59	0.69	0.79
		EER	3.61	3.89	3.61	3.89	4.17	3.61	3.89	4.17
	40	Capacity	0.65	0.74	0.65	0.74	0.84	0.65	0.74	0.84
		EER	4.19	4.41	4.19	4.41	4.62	4.19	4.41	4.62
	35	Capacity	0.71	0.80	0.71	0.80	0.90	0.71	0.80	0.90
		EER	4.86	5.02	4.86	5.02	5.18	4.86	5.02	5.18
	30	Capacity	0.76	0.86	0.76	0.86	0.95	0.76	0.86	0.95
		EER	5.60	5.72	5.60	5.72	5.84	5.60	5.72	5.84
	25	Capacity	0.83	0.92	0.83	0.92	1.01	0.83	0.92	1.01
		EER	6.61	6.65	6.61	6.65	6.68	6.61	6.65	6.68
	20	Capacity	0.90	0.98	0.90	0.98	1.07	0.90	0.98	1.07
		EER	7.62	7.58	7.62	7.58	7.53	7.62	7.58	7.53

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.90	0.66	1.00	0.90	0.66	1.00	1.00	0.86
		EER	4.15	4.29	4.15	4.29	4.43	4.15	4.29	4.43

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-LN35VG2W/V/B/R: MUZ-LN35VGHZ2

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.94	3.44	2.94	3.44	3.94	2.94	3.44	3.94
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	2.45	2.64	2.45	2.64	2.83	2.45	2.64	2.83
	40	Capacity	3.24	3.72	3.24	3.72	4.20	3.24	3.72	4.20
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	2.84	2.99	2.84	2.99	3.14	2.84	2.99	3.14
	35	Capacity	3.56	4.02	3.56	4.02	4.48	3.56	4.02	4.48
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	3.30	3.41	3.30	3.41	3.51	3.30	3.41	3.51
	30	Capacity	3.82	4.28	3.82	4.28	4.74	3.82	4.28	4.74
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	3.80	3.88	3.80	3.88	3.96	3.80	3.88	3.96
	25	Capacity	4.16	4.60	4.16	4.60	5.04	4.16	4.60	5.04
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	4.48	4.51	4.48	4.51	4.53	4.48	4.51	4.53
	20	Capacity	4.50	4.92	4.50	4.92	5.34	4.50	4.92	5.34
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	5.17	5.14	5.17	5.14	5.11	5.17	5.14	5.11
Rated frequency	46	Capacity	2.57	3.01	2.57	3.01	3.45	2.57	3.01	3.45
		SHF	0.90	0.66	1.00	0.90	0.66	1.00	1.00	0.86
		EER	3.08	3.32	3.08	3.32	3.56	3.08	3.32	3.56
	40	Capacity	2.84	3.26	2.84	3.26	3.68	2.84	3.26	3.68
		SHF	0.90	0.66	1.00	0.90	0.66	1.00	1.00	0.86
		EER	3.58	3.76	3.58	3.76	3.95	3.58	3.76	3.95
	35	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.90	0.66	1.00	0.90	0.66	1.00	1.00	0.86
		EER	4.15	4.29	4.15	4.29	4.43	4.15	4.29	4.43
	30	Capacity	3.34	3.75	3.34	3.75	4.15	3.34	3.75	4.15
		SHF	0.90	0.66	1.00	0.90	0.66	1.00	1.00	0.86
		EER	4.78	4.88	4.78	4.88	4.98	4.78	4.88	4.98
	25	Capacity	3.64	4.03	3.64	4.03	4.41	3.64	4.03	4.41
		SHF	0.90	0.66	1.00	0.90	0.66	1.00	1.00	0.86
		EER	5.65	5.68	5.65	5.68	5.71	5.65	5.68	5.71
	20	Capacity	3.94	4.31	3.94	4.31	4.67	3.94	4.31	4.67
		SHF	0.90	0.66	1.00	0.90	0.66	1.00	1.00	0.86
		EER	6.51	6.47	6.51	6.47	6.43	6.51	6.47	6.43
Minimum Frequency	46	Capacity	0.59	0.69	0.59	0.69	0.79	0.59	0.69	0.79
		EER	3.61	3.89	3.61	3.89	4.17	3.61	3.89	4.17
	40	Capacity	0.65	0.74	0.65	0.74	0.84	0.65	0.74	0.84
		EER	4.19	4.41	4.19	4.41	4.62	4.19	4.41	4.62
	35	Capacity	0.71	0.80	0.71	0.80	0.90	0.71	0.80	0.90
		EER	4.86	5.02	4.86	5.02	5.18	4.86	5.02	5.18
	30	Capacity	0.76	0.86	0.76	0.86	0.95	0.76	0.86	0.95
		EER	5.60	5.72	5.60	5.72	5.84	5.60	5.72	5.84
	25	Capacity	0.83	0.92	0.83	0.92	1.01	0.83	0.92	1.01
		EER	6.61	6.65	6.61	6.65	6.68	6.61	6.65	6.68
	20	Capacity	0.90	0.98	0.90	0.98	1.07	0.90	0.98	1.07
		EER	7.62	7.58	7.62	7.58	7.53	7.62	7.58	7.53

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.90	0.66	1.00	0.90	0.66	1.00	1.00	0.86
		EER	4.15	4.29	4.15	4.29	4.43	4.15	4.29	4.43

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-LN50VG2W/V/B/R: MUZ-LN50VG2

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	4.41	5.16	4.41	5.16	5.91	4.41	5.16	5.91
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	1.86	2.00	1.86	2.00	2.15	1.86	2.00	2.15
	40	Capacity	4.86	5.58	4.86	5.58	6.30	4.86	5.58	6.30
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	2.16	2.27	2.16	2.27	2.38	2.16	2.27	2.38
	35	Capacity	5.34	6.03	5.34	6.03	6.72	5.34	6.03	6.72
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	2.51	2.59	2.51	2.59	2.67	2.51	2.59	2.67
	30	Capacity	5.73	6.42	5.73	6.42	7.11	5.73	6.42	7.11
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	2.89	2.95	2.89	2.95	3.01	2.89	2.95	3.01
	25	Capacity	6.24	6.90	6.24	6.90	7.56	6.24	6.90	7.56
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	3.41	3.42	3.41	3.42	3.44	3.41	3.42	3.44
	20	Capacity	6.75	7.38	6.75	7.38	8.01	6.75	7.38	8.01
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	3.93	3.90	3.93	3.90	3.88	3.93	3.90	3.88
Rated frequency	46	Capacity	3.68	4.30	3.68	4.30	4.93	3.68	4.30	4.93
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	2.61	2.82	2.61	2.82	3.02	2.61	2.82	3.02
	40	Capacity	4.05	4.65	4.05	4.65	5.25	4.05	4.65	5.25
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.03	3.19	3.03	3.19	3.35	3.03	3.19	3.35
	35	Capacity	4.45	5.03	4.45	5.03	5.60	4.45	5.03	5.60
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.53	3.64	3.53	3.64	3.76	3.53	3.64	3.76
	30	Capacity	4.78	5.35	4.78	5.35	5.93	4.78	5.35	5.93
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	4.06	4.15	4.06	4.15	4.23	4.06	4.15	4.23
	25	Capacity	5.20	5.75	5.20	5.75	6.30	5.20	5.75	6.30
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	4.79	4.82	4.79	4.82	4.84	4.79	4.82	4.84
	20	Capacity	5.63	6.15	5.63	6.15	6.68	5.63	6.15	6.68
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	5.52	5.49	5.52	5.49	5.46	5.52	5.49	5.46
Minimum Frequency	46	Capacity	0.74	0.86	0.74	0.86	0.99	0.74	0.86	0.99
		EER	3.80	4.10	3.80	4.10	4.39	3.80	4.10	4.39
	40	Capacity	0.81	0.93	0.81	0.93	1.05	0.81	0.93	1.05
		EER	4.41	4.64	4.41	4.64	4.87	4.41	4.64	4.87
	35	Capacity	0.89	1.01	0.89	1.01	1.12	0.89	1.01	1.12
		EER	5.12	5.29	5.12	5.29	5.46	5.12	5.29	5.46
	30	Capacity	0.96	1.07	0.96	1.07	1.19	0.96	1.07	1.19
		EER	5.90	6.02	5.90	6.02	6.14	5.90	6.02	6.14
	25	Capacity	1.04	1.15	1.04	1.15	1.26	1.04	1.15	1.26
		EER	6.96	7.00	6.96	7.00	7.04	6.96	7.00	7.04
	20	Capacity	1.13	1.23	1.13	1.23	1.34	1.13	1.23	1.34
		EER	8.02	7.98	8.02	7.98	7.93	8.02	7.98	7.93

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	4.45	5.03	4.45	5.03	5.60	4.45	5.03	5.60
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.53	3.64	3.53	3.64	3.76	3.53	3.64	3.76

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-LN50VG2W/V/B/R: MUZ-LN50VGHZ2

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	4.26	4.99	4.26	4.99	5.71	4.26	4.99	5.71
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	1.73	1.86	1.73	1.86	2.00	1.73	1.86	2.00
	40	Capacity	4.70	5.39	4.70	5.39	6.09	4.70	5.39	6.09
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	2.01	2.11	2.01	2.11	2.22	2.01	2.11	2.22
	35	Capacity	5.16	5.83	5.16	5.83	6.50	5.16	5.83	6.50
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	2.33	2.41	2.33	2.41	2.49	2.33	2.41	2.49
	30	Capacity	5.54	6.21	5.54	6.21	6.87	5.54	6.21	6.87
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	2.69	2.74	2.69	2.74	2.80	2.69	2.74	2.80
	25	Capacity	6.03	6.67	6.03	6.67	7.31	6.03	6.67	7.31
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	3.17	3.19	3.17	3.19	3.20	3.17	3.19	3.20
	20	Capacity	6.53	7.13	6.53	7.13	7.74	6.53	7.13	7.74
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	3.65	3.63	3.65	3.63	3.61	3.65	3.63	3.61
Rated frequency	46	Capacity	3.68	4.30	3.68	4.30	4.93	3.68	4.30	4.93
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	2.61	2.82	2.61	2.82	3.02	2.61	2.82	3.02
	40	Capacity	4.05	4.65	4.05	4.65	5.25	4.05	4.65	5.25
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.03	3.19	3.03	3.19	3.35	3.03	3.19	3.35
	35	Capacity	4.45	5.03	4.45	5.03	5.60	4.45	5.03	5.60
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.53	3.64	3.53	3.64	3.76	3.53	3.64	3.76
	30	Capacity	4.78	5.35	4.78	5.35	5.93	4.78	5.35	5.93
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	4.06	4.15	4.06	4.15	4.23	4.06	4.15	4.23
	25	Capacity	5.20	5.75	5.20	5.75	6.30	5.20	5.75	6.30
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	4.79	4.82	4.79	4.82	4.84	4.79	4.82	4.84
	20	Capacity	5.63	6.15	5.63	6.15	6.68	5.63	6.15	6.68
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	5.52	5.49	5.52	5.49	5.46	5.52	5.49	5.46
Minimum Frequency	46	Capacity	1.03	1.20	1.03	1.20	1.38	1.03	1.20	1.38
		EER	3.74	4.03	3.74	4.03	4.33	3.74	4.03	4.33
	40	Capacity	1.13	1.30	1.13	1.30	1.47	1.13	1.30	1.47
		EER	4.34	4.57	4.34	4.57	4.80	4.34	4.57	4.80
	35	Capacity	1.25	1.41	1.25	1.41	1.57	1.25	1.41	1.57
		EER	5.04	5.21	5.04	5.21	5.38	5.04	5.21	5.38
	30	Capacity	1.34	1.50	1.34	1.50	1.66	1.34	1.50	1.66
		EER	5.81	5.93	5.81	5.93	6.05	5.81	5.93	6.05
	25	Capacity	1.46	1.61	1.46	1.61	1.76	1.46	1.61	1.76
		EER	6.86	6.90	6.86	6.90	6.93	6.86	6.90	6.93
	20	Capacity	1.58	1.72	1.58	1.72	1.87	1.58	1.72	1.87
		EER	7.91	7.86	7.91	7.86	7.81	7.91	7.86	7.81

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	4.45	5.03	4.45	5.03	5.60	4.45	5.03	5.60
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.53	3.64	3.53	3.64	3.76	3.53	3.64	3.76

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-LN60VG2W/V/B/R: MUZ-LN60VG

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	5.07	5.93	5.07	5.93	6.80	5.07	5.93	6.80
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	1.82	1.97	1.82	1.97	2.11	1.82	1.97	2.11
	40	Capacity	5.59	6.42	5.59	6.42	7.25	5.59	6.42	7.25
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	2.12	2.23	2.12	2.23	2.34	2.12	2.23	2.34
	35	Capacity	6.14	6.93	6.14	6.93	7.73	6.14	6.93	7.73
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	2.46	2.54	2.46	2.54	2.62	2.46	2.54	2.62
	30	Capacity	6.59	7.38	6.59	7.38	8.18	6.59	7.38	8.18
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	2.83	2.89	2.83	2.89	2.95	2.83	2.89	2.95
	25	Capacity	7.18	7.94	7.18	7.94	8.69	7.18	7.94	8.69
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	3.34	3.36	3.34	3.36	3.38	3.34	3.36	3.38
	20	Capacity	7.76	8.49	7.76	8.49	9.21	7.76	8.49	9.21
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	3.85	3.83	3.85	3.83	3.81	3.85	3.83	3.81
Rated frequency	46	Capacity	4.48	5.25	4.48	5.25	6.01	4.48	5.25	6.01
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	2.46	2.65	2.46	2.65	2.84	2.46	2.65	2.84
	40	Capacity	4.94	5.67	4.94	5.67	6.41	4.94	5.67	6.41
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	2.85	3.00	2.85	3.00	3.15	2.85	3.00	3.15
	35	Capacity	5.43	6.13	5.43	6.13	6.83	5.43	6.13	6.83
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	3.32	3.42	3.32	3.42	3.53	3.32	3.42	3.53
	30	Capacity	5.83	6.53	5.83	6.53	7.23	5.83	6.53	7.23
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	3.82	3.90	3.82	3.90	3.98	3.82	3.90	3.98
	25	Capacity	6.34	7.02	6.34	7.02	7.69	6.34	7.02	7.69
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	4.51	4.53	4.51	4.53	4.56	4.51	4.53	4.56
	20	Capacity	6.86	7.50	6.86	7.50	8.14	6.86	7.50	8.14
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	5.20	5.16	5.20	5.16	5.13	5.20	5.16	5.13
Minimum Frequency	46	Capacity	1.03	1.20	1.03	1.20	1.38	1.03	1.20	1.38
		EER	3.74	4.03	3.74	4.03	4.33	3.74	4.03	4.33
	40	Capacity	1.13	1.30	1.13	1.30	1.47	1.13	1.30	1.47
		EER	4.34	4.57	4.34	4.57	4.80	4.34	4.57	4.80
	35	Capacity	1.25	1.41	1.25	1.41	1.57	1.25	1.41	1.57
		EER	5.04	5.21	5.04	5.21	5.38	5.04	5.21	5.38
	30	Capacity	1.34	1.50	1.34	1.50	1.66	1.34	1.50	1.66
		EER	5.81	5.93	5.81	5.93	6.05	5.81	5.93	6.05
	25	Capacity	1.46	1.61	1.46	1.61	1.76	1.46	1.61	1.76
		EER	6.86	6.90	6.86	6.90	6.93	6.86	6.90	6.93
	20	Capacity	1.58	1.72	1.58	1.72	1.87	1.58	1.72	1.87
		EER	7.91	7.86	7.91	7.86	7.81	7.91	7.86	7.81

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	5.43	6.13	5.43	6.13	6.83	5.43	6.13	6.83
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	3.32	3.42	3.32	3.42	3.53	3.32	3.42	3.53

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-FT25VG, MSZ-FT25VGK: MUZ-FT25VGHZ

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.57	3.01	2.57	3.01	3.45	2.57	3.01	3.45
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	2.10	2.27	2.10	2.27	2.43	2.10	2.27	2.43
	40	Capacity	2.84	3.26	2.84	3.26	3.68	2.84	3.26	3.68
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	2.44	2.57	2.44	2.57	2.70	2.44	2.57	2.70
	35	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	2.84	2.93	2.84	2.93	3.02	2.84	2.93	3.02
	30	Capacity	3.34	3.75	3.34	3.75	4.15	3.34	3.75	4.15
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	3.27	3.34	3.27	3.34	3.40	3.27	3.34	3.40
	25	Capacity	3.64	4.03	3.64	4.03	4.41	3.64	4.03	4.41
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	3.86	3.88	3.86	3.88	3.90	3.86	3.88	3.90
	20	Capacity	3.94	4.31	3.94	4.31	4.67	3.94	4.31	4.67
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	4.45	4.42	4.45	4.42	4.39	4.45	4.42	4.39
Rated frequency	46	Capacity	1.84	2.15	1.84	2.15	2.46	1.84	2.15	2.46
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	3.11	3.35	3.11	3.35	3.60	3.11	3.35	3.60
	40	Capacity	2.03	2.33	2.03	2.33	2.63	2.03	2.33	2.63
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	3.61	3.80	3.61	3.80	3.99	3.61	3.80	3.99
	35	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	4.19	4.33	4.19	4.33	4.47	4.19	4.33	4.47
	30	Capacity	2.39	2.68	2.39	2.68	2.96	2.39	2.68	2.96
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	4.83	4.93	4.83	4.93	5.03	4.83	4.93	5.03
	25	Capacity	2.60	2.88	2.60	2.88	3.15	2.60	2.88	3.15
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	5.70	5.73	5.70	5.73	5.76	5.70	5.73	5.76
	20	Capacity	2.81	3.08	2.81	3.08	3.34	2.81	3.08	3.34
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	6.57	6.53	6.57	6.53	6.49	6.57	6.53	6.49
Minimum Frequency	46	Capacity	0.59	0.69	0.59	0.69	0.79	0.59	0.69	0.79
		EER	3.61	3.89	3.61	3.89	4.17	3.61	3.89	4.17
	40	Capacity	0.65	0.74	0.65	0.74	0.84	0.65	0.74	0.84
		EER	4.19	4.41	4.19	4.41	4.62	4.19	4.41	4.62
	35	Capacity	0.71	0.80	0.71	0.80	0.90	0.71	0.80	0.90
		EER	4.86	5.02	4.86	5.02	5.18	4.86	5.02	5.18
	30	Capacity	0.76	0.86	0.76	0.86	0.95	0.76	0.86	0.95
		EER	5.60	5.72	5.60	5.72	5.84	5.60	5.72	5.84
	25	Capacity	0.83	0.92	0.83	0.92	1.01	0.83	0.92	1.01
		EER	6.61	6.65	6.61	6.65	6.68	6.61	6.65	6.68
	20	Capacity	0.90	0.98	0.90	0.98	1.07	0.90	0.98	1.07
		EER	7.62	7.58	7.62	7.58	7.53	7.62	7.58	7.53

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	4.19	4.33	4.19	4.33	4.47	4.19	4.33	4.47

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-FT35VG, MSZ-FT35VGK: MUZ-FT35VGHZ

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.94	3.44	2.94	3.44	3.94	2.94	3.44	3.94
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.95	0.73
		EER	2.06	2.22	2.06	2.22	2.38	2.06	2.22	2.38
	40	Capacity	3.24	3.72	3.24	3.72	4.20	3.24	3.72	4.20
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.95	0.73
		EER	2.39	2.52	2.39	2.52	2.64	2.39	2.52	2.64
	35	Capacity	3.56	4.02	3.56	4.02	4.48	3.56	4.02	4.48
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.95	0.73
		EER	2.78	2.87	2.78	2.87	2.96	2.78	2.87	2.96
	30	Capacity	3.82	4.28	3.82	4.28	4.74	3.82	4.28	4.74
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.95	0.73
		EER	3.20	3.27	3.20	3.27	3.34	3.20	3.27	3.34
	25	Capacity	4.16	4.60	4.16	4.60	5.04	4.16	4.60	5.04
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.95	0.73
		EER	3.78	3.80	3.78	3.80	3.82	3.78	3.80	3.82
	20	Capacity	4.50	4.92	4.50	4.92	5.34	4.50	4.92	5.34
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.95	0.73
		EER	4.36	4.33	4.36	4.33	4.30	4.36	4.33	4.30
Rated frequency	46	Capacity	2.57	3.01	2.57	3.01	3.45	2.57	3.01	3.45
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	2.78	2.99	2.78	2.99	3.21	2.78	2.99	3.21
	40	Capacity	2.84	3.26	2.84	3.26	3.68	2.84	3.26	3.68
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	3.22	3.39	3.22	3.39	3.56	3.22	3.39	3.56
	35	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	3.74	3.87	3.74	3.87	3.99	3.74	3.87	3.99
	30	Capacity	3.34	3.75	3.34	3.75	4.15	3.34	3.75	4.15
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	4.31	4.40	4.31	4.40	4.49	4.31	4.40	4.49
	25	Capacity	3.64	4.03	3.64	4.03	4.41	3.64	4.03	4.41
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	5.09	5.11	5.09	5.11	5.14	5.09	5.11	5.14
	20	Capacity	3.94	4.31	3.94	4.31	4.67	3.94	4.31	4.67
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	5.86	5.83	5.86	5.83	5.79	5.86	5.83	5.79
Minimum Frequency	46	Capacity	0.59	0.69	0.59	0.69	0.79	0.59	0.69	0.79
		EER	3.61	3.89	3.61	3.89	4.17	3.61	3.89	4.17
	40	Capacity	0.65	0.74	0.65	0.74	0.84	0.65	0.74	0.84
		EER	4.19	4.41	4.19	4.41	4.62	4.19	4.41	4.62
	35	Capacity	0.71	0.80	0.71	0.80	0.90	0.71	0.80	0.90
		EER	4.86	5.02	4.86	5.02	5.18	4.86	5.02	5.18
	30	Capacity	0.76	0.86	0.76	0.86	0.95	0.76	0.86	0.95
		EER	5.60	5.72	5.60	5.72	5.84	5.60	5.72	5.84
	25	Capacity	0.83	0.92	0.83	0.92	1.01	0.83	0.92	1.01
		EER	6.61	6.65	6.61	6.65	6.68	6.61	6.65	6.68
	20	Capacity	0.90	0.98	0.90	0.98	1.07	0.90	0.98	1.07
		EER	7.62	7.58	7.62	7.58	7.53	7.62	7.58	7.53

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	3.74	3.87	3.74	3.87	3.99	3.74	3.87	3.99

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-FT50VG, MSZ-FT50VGK: MUZ-FT50VGHZ

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	3.82	4.47	3.82	4.47	5.12	3.82	4.47	5.12
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	2.06	2.22	2.06	2.22	2.38	2.06	2.22	2.38
	40	Capacity	4.21	4.84	4.21	4.84	5.46	4.21	4.84	5.46
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	2.39	2.52	2.39	2.52	2.64	2.39	2.52	2.64
	35	Capacity	4.63	5.23	4.63	5.23	5.82	4.63	5.23	5.82
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	2.78	2.87	2.78	2.87	2.96	2.78	2.87	2.96
	30	Capacity	4.97	5.56	4.97	5.56	6.16	4.97	5.56	6.16
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	3.20	3.27	3.20	3.27	3.34	3.20	3.27	3.34
	25	Capacity	5.41	5.98	5.41	5.98	6.55	5.41	5.98	6.55
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	3.78	3.80	3.78	3.80	3.82	3.78	3.80	3.82
	20	Capacity	5.85	6.40	5.85	6.40	6.94	5.85	6.40	6.94
		SHF	0.68	0.44	0.92	0.68	0.44	1.00	0.88	0.64
		EER	4.36	4.33	4.36	4.33	4.30	4.36	4.33	4.30
Rated frequency	46	Capacity	3.68	4.30	3.68	4.30	4.93	3.68	4.30	4.93
		SHF	0.69	0.45	0.93	0.69	0.45	1.00	0.89	0.65
		EER	2.21	2.39	2.21	2.39	2.56	2.21	2.39	2.56
	40	Capacity	4.05	4.65	4.05	4.65	5.25	4.05	4.65	5.25
		SHF	0.69	0.45	0.93	0.69	0.45	1.00	0.89	0.65
		EER	2.57	2.70	2.57	2.70	2.84	2.57	2.70	2.84
	35	Capacity	4.45	5.03	4.45	5.03	5.60	4.45	5.03	5.60
		SHF	0.69	0.45	0.93	0.69	0.45	1.00	0.89	0.65
		EER	2.98	3.08	2.98	3.08	3.18	2.98	3.08	3.18
	30	Capacity	4.78	5.35	4.78	5.35	5.93	4.78	5.35	5.93
		SHF	0.69	0.45	0.93	0.69	0.45	1.00	0.89	0.65
		EER	3.44	3.51	3.44	3.51	3.58	3.44	3.51	3.58
	25	Capacity	5.20	5.75	5.20	5.75	6.30	5.20	5.75	6.30
		SHF	0.69	0.45	0.93	0.69	0.45	1.00	0.89	0.65
		EER	4.06	4.08	4.06	4.08	4.10	4.06	4.08	4.10
	20	Capacity	5.63	6.15	5.63	6.15	6.68	5.63	6.15	6.68
		SHF	0.69	0.45	0.93	0.69	0.45	1.00	0.89	0.65
		EER	4.68	4.65	4.68	4.65	4.62	4.68	4.65	4.62
Minimum Frequency	46	Capacity	0.59	0.69	0.59	0.69	0.79	0.59	0.69	0.79
		EER	3.61	3.89	3.61	3.89	4.17	3.61	3.89	4.17
	40	Capacity	0.65	0.74	0.65	0.74	0.84	0.65	0.74	0.84
		EER	4.19	4.41	4.19	4.41	4.62	4.19	4.41	4.62
	35	Capacity	0.71	0.80	0.71	0.80	0.90	0.71	0.80	0.90
		EER	4.86	5.02	4.86	5.02	5.18	4.86	5.02	5.18
	30	Capacity	0.76	0.86	0.76	0.86	0.95	0.76	0.86	0.95
		EER	5.60	5.72	5.60	5.72	5.84	5.60	5.72	5.84
	25	Capacity	0.83	0.92	0.83	0.92	1.01	0.83	0.92	1.01
		EER	6.61	6.65	6.61	6.65	6.68	6.61	6.65	6.68
	20	Capacity	0.90	0.98	0.90	0.98	1.07	0.90	0.98	1.07
		EER	7.62	7.58	7.62	7.58	7.53	7.62	7.58	7.53

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	4.45	5.03	4.45	5.03	5.60	4.45	5.03	5.60
		SHF	0.69	0.45	0.93	0.69	0.45	1.00	0.89	0.65
		EER	2.98	3.08	2.98	3.08	3.18	2.98	3.08	3.18

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-AP15VG, MSZ-AP15VGK: MUZ-AP15VG

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	1.47	1.72	1.47	1.72	1.97	1.47	1.72	1.97
		SHF	0.69	0.45	0.93	0.69	0.45	1.00	0.89	0.65
		EER	1.60	1.73	1.60	1.73	1.85	1.60	1.73	1.85
	40	Capacity	1.62	1.86	1.62	1.86	2.10	1.62	1.86	2.10
		SHF	0.69	0.45	0.93	0.69	0.45	1.00	0.89	0.65
		EER	1.86	1.96	1.86	1.96	2.06	1.86	1.96	2.06
	35	Capacity	1.78	2.01	1.78	2.01	2.24	1.78	2.01	2.24
		SHF	0.69	0.45	0.93	0.69	0.45	1.00	0.89	0.65
		EER	2.16	2.23	2.16	2.23	2.30	2.16	2.23	2.30
	30	Capacity	1.91	2.14	1.91	2.14	2.37	1.91	2.14	2.37
		SHF	0.69	0.45	0.93	0.69	0.45	1.00	0.89	0.65
		EER	2.49	2.54	2.49	2.54	2.59	2.49	2.54	2.59
	25	Capacity	2.08	2.30	2.08	2.30	2.52	2.08	2.30	2.52
		SHF	0.69	0.45	0.93	0.69	0.45	1.00	0.89	0.65
		EER	2.94	2.96	2.94	2.96	2.97	2.94	2.96	2.97
	20	Capacity	2.25	2.46	2.25	2.46	2.67	2.25	2.46	2.67
		SHF	0.69	0.45	0.93	0.69	0.45	1.00	0.89	0.65
		EER	3.39	3.37	3.39	3.37	3.35	3.39	3.37	3.35
Rated frequency	46	Capacity	1.10	1.29	1.10	1.29	1.48	1.10	1.29	1.48
		SHF	0.86	0.62	1.00	0.86	0.62	1.00	1.00	0.82
		EER	2.93	3.15	2.93	3.15	3.38	2.93	3.15	3.38
	40	Capacity	1.22	1.40	1.22	1.40	1.58	1.22	1.40	1.58
		SHF	0.86	0.62	1.00	0.86	0.62	1.00	1.00	0.82
		EER	3.40	3.57	3.40	3.57	3.75	3.40	3.57	3.75
	35	Capacity	1.34	1.51	1.34	1.51	1.68	1.34	1.51	1.68
		SHF	0.86	0.62	1.00	0.86	0.62	1.00	1.00	0.82
		EER	3.94	4.07	3.94	4.07	4.20	3.94	4.07	4.20
	30	Capacity	1.43	1.61	1.43	1.61	1.78	1.43	1.61	1.78
		SHF	0.86	0.62	1.00	0.86	0.62	1.00	1.00	0.82
		EER	4.54	4.64	4.54	4.64	4.73	4.54	4.64	4.73
	25	Capacity	1.56	1.73	1.56	1.73	1.89	1.56	1.73	1.89
		SHF	0.86	0.62	1.00	0.86	0.62	1.00	1.00	0.82
		EER	5.36	5.39	5.36	5.39	5.42	5.36	5.39	5.42
	20	Capacity	1.69	1.85	1.69	1.85	2.00	1.69	1.85	2.00
		SHF	0.86	0.62	1.00	0.86	0.62	1.00	1.00	0.82
		EER	6.18	6.14	6.18	6.14	6.11	6.18	6.14	6.11
Minimum Frequency	46	Capacity	0.44	0.52	0.44	0.52	0.59	0.44	0.52	0.59
		EER	4.33	4.67	4.33	4.67	5.01	4.33	4.67	5.01
	40	Capacity	0.49	0.56	0.49	0.56	0.63	0.49	0.56	0.63
		EER	5.03	5.29	5.03	5.29	5.55	5.03	5.29	5.55
	35	Capacity	0.53	0.60	0.53	0.60	0.67	0.53	0.60	0.67
		EER	5.84	6.03	5.84	6.03	6.22	5.84	6.03	6.22
	30	Capacity	0.57	0.64	0.57	0.64	0.71	0.57	0.64	0.71
		EER	6.73	6.86	6.73	6.86	7.00	6.73	6.86	7.00
	25	Capacity	0.62	0.69	0.62	0.69	0.76	0.62	0.69	0.76
		EER	7.94	7.98	7.94	7.98	8.02	7.94	7.98	8.02
	20	Capacity	0.68	0.74	0.68	0.74	0.80	0.68	0.74	0.80
		EER	9.15	9.09	9.15	9.09	9.04	9.15	9.09	9.04

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	1.34	1.51	1.34	1.51	1.68	1.34	1.51	1.68
		SHF	0.86	0.62	1.00	0.86	0.62	1.00	1.00	0.82
		EER	3.94	4.07	3.94	4.07	4.20	3.94	4.07	4.20

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-AP20VG, MSZ-AP20VGK: MUZ-AP20VG

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	1.98	2.32	1.98	2.32	2.66	1.98	2.32	2.66
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	2.60	2.80	2.60	2.80	3.00	2.60	2.80	3.00
	40	Capacity	2.19	2.51	2.19	2.51	2.84	2.19	2.51	2.84
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	3.02	3.17	3.02	3.17	3.33	3.02	3.17	3.33
	35	Capacity	2.40	2.71	2.40	2.71	3.02	2.40	2.71	3.02
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	3.50	3.62	3.50	3.62	3.73	3.50	3.62	3.73
	30	Capacity	2.58	2.89	2.58	2.89	3.20	2.58	2.89	3.20
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	4.04	4.12	4.04	4.12	4.20	4.04	4.12	4.20
	25	Capacity	2.81	3.11	2.81	3.11	3.40	2.81	3.11	3.40
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	4.76	4.79	4.76	4.79	4.81	4.76	4.79	4.81
	20	Capacity	3.04	3.32	3.04	3.32	3.60	3.04	3.32	3.60
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	5.49	5.46	5.49	5.46	5.42	5.49	5.46	5.42
Rated frequency	46	Capacity	1.47	1.72	1.47	1.72	1.97	1.47	1.72	1.97
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	3.14	3.38	3.14	3.38	3.63	3.14	3.38	3.63
	40	Capacity	1.62	1.86	1.62	1.86	2.10	1.62	1.86	2.10
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	3.64	3.83	3.64	3.83	4.02	3.64	3.83	4.02
	35	Capacity	1.78	2.01	1.78	2.01	2.24	1.78	2.01	2.24
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	4.23	4.37	4.23	4.37	4.51	4.23	4.37	4.51
	30	Capacity	1.91	2.14	1.91	2.14	2.37	1.91	2.14	2.37
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	4.87	4.97	4.87	4.97	5.08	4.87	4.97	5.08
	25	Capacity	2.08	2.30	2.08	2.30	2.52	2.08	2.30	2.52
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	5.75	5.78	5.75	5.78	5.81	5.75	5.78	5.81
	20	Capacity	2.25	2.46	2.25	2.46	2.67	2.25	2.46	2.67
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	6.63	6.59	6.63	6.59	6.55	6.63	6.59	6.55
Minimum Frequency	46	Capacity	0.44	0.52	0.44	0.52	0.59	0.44	0.52	0.59
		EER	3.61	3.89	3.61	3.89	4.17	3.61	3.89	4.17
	40	Capacity	0.49	0.56	0.49	0.56	0.63	0.49	0.56	0.63
		EER	4.19	4.41	4.19	4.41	4.62	4.19	4.41	4.62
	35	Capacity	0.53	0.60	0.53	0.60	0.67	0.53	0.60	0.67
		EER	4.86	5.02	4.86	5.02	5.18	4.86	5.02	5.18
	30	Capacity	0.57	0.64	0.57	0.64	0.71	0.57	0.64	0.71
		EER	5.60	5.72	5.60	5.72	5.84	5.60	5.72	5.84
	25	Capacity	0.62	0.69	0.62	0.69	0.76	0.62	0.69	0.76
		EER	6.61	6.65	6.61	6.65	6.68	6.61	6.65	6.68
	20	Capacity	0.68	0.74	0.68	0.74	0.80	0.68	0.74	0.80
		EER	7.62	7.58	7.62	7.58	7.53	7.62	7.58	7.53

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	1.78	2.01	1.78	2.01	2.24	1.78	2.01	2.24
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	4.23	4.37	4.23	4.37	4.51	4.23	4.37	4.51

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-AP25VG, MSZ-AP25VGK: MUZ-AP25VG, MUZ-AP25VGH

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.50	2.92	2.50	2.92	3.35	2.50	2.92	3.35
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	2.12	2.28	2.12	2.28	2.45	2.12	2.28	2.45
	40	Capacity	2.75	3.16	2.75	3.16	3.57	2.75	3.16	3.57
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	2.46	2.58	2.46	2.58	2.71	2.46	2.58	2.71
	35	Capacity	3.03	3.42	3.03	3.42	3.81	3.03	3.42	3.81
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	2.85	2.95	2.85	2.95	3.04	2.85	2.95	3.04
	30	Capacity	3.25	3.64	3.25	3.64	4.03	3.25	3.64	4.03
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.29	3.35	3.29	3.35	3.42	3.29	3.35	3.42
	25	Capacity	3.54	3.91	3.54	3.91	4.28	3.54	3.91	4.28
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.88	3.90	3.88	3.90	3.92	3.88	3.90	3.92
	20	Capacity	3.83	4.18	3.83	4.18	4.54	3.83	4.18	4.54
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	4.47	4.44	4.47	4.44	4.41	4.47	4.44	4.41
Rated frequency	46	Capacity	1.84	2.15	1.84	2.15	2.46	1.84	2.15	2.46
		SHF	0.92	0.68	1.00	0.92	0.68	1.00	1.00	0.88
		EER	3.01	3.24	3.01	3.24	3.48	3.01	3.24	3.48
	40	Capacity	2.03	2.33	2.03	2.33	2.63	2.03	2.33	2.63
		SHF	0.92	0.68	1.00	0.92	0.68	1.00	1.00	0.88
		EER	3.49	3.67	3.49	3.67	3.85	3.49	3.67	3.85
	35	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.92	0.68	1.00	0.92	0.68	1.00	1.00	0.88
		EER	4.05	4.19	4.05	4.19	4.32	4.05	4.19	4.32
	30	Capacity	2.39	2.68	2.39	2.68	2.96	2.39	2.68	2.96
		SHF	0.92	0.68	1.00	0.92	0.68	1.00	1.00	0.88
		EER	4.67	4.77	4.67	4.77	4.86	4.67	4.77	4.86
	25	Capacity	2.60	2.88	2.60	2.88	3.15	2.60	2.88	3.15
		SHF	0.92	0.68	1.00	0.92	0.68	1.00	1.00	0.88
		EER	5.51	5.54	5.51	5.54	5.57	5.51	5.54	5.57
	20	Capacity	2.81	3.08	2.81	3.08	3.34	2.81	3.08	3.34
		SHF	0.92	0.68	1.00	0.92	0.68	1.00	1.00	0.88
		EER	6.35	6.31	6.35	6.31	6.28	6.35	6.31	6.28
Minimum Frequency	46	Capacity	0.66	0.77	0.66	0.77	0.89	0.66	0.77	0.89
		EER	2.82	3.04	2.82	3.04	3.27	2.82	3.04	3.27
	40	Capacity	0.73	0.84	0.73	0.84	0.95	0.73	0.84	0.95
		EER	3.28	3.45	3.28	3.45	3.62	3.28	3.45	3.62
	35	Capacity	0.80	0.90	0.80	0.90	1.01	0.80	0.90	1.01
		EER	3.81	3.93	3.81	3.93	4.06	3.81	3.93	4.06
	30	Capacity	0.86	0.96	0.86	0.96	1.07	0.86	0.96	1.07
		EER	4.39	4.48	4.39	4.48	4.57	4.39	4.48	4.57
	25	Capacity	0.94	1.04	0.94	1.04	1.13	0.94	1.04	1.13
		EER	5.18	5.20	5.18	5.20	5.23	5.18	5.20	5.23
	20	Capacity	1.01	1.11	1.01	1.11	1.20	1.01	1.11	1.20
		EER	5.97	5.93	5.97	5.93	5.89	5.97	5.93	5.89

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.92	0.68	1.00	0.92	0.68	1.00	1.00	0.88
		EER	4.05	4.19	4.05	4.19	4.32	4.05	4.19	4.32

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-AP35VG, MSZ-AP35VGK: MUZ-AP35VG, MUZ-AP35VGH

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.79	3.27	2.79	3.27	3.74	2.79	3.27	3.74
		SHF	0.83	0.59	1.00	0.83	0.59	1.00	0.99	0.79
		EER	1.74	1.87	1.74	1.87	2.01	1.74	1.87	2.01
	40	Capacity	3.08	3.53	3.08	3.53	3.99	3.08	3.53	3.99
		SHF	0.83	0.59	1.00	0.83	0.59	1.00	0.99	0.79
		EER	2.01	2.12	2.01	2.12	2.22	2.01	2.12	2.22
	35	Capacity	3.38	3.82	3.38	3.82	4.26	3.38	3.82	4.26
		SHF	0.83	0.59	1.00	0.83	0.59	1.00	0.99	0.79
		EER	2.34	2.42	2.34	2.42	2.49	2.34	2.42	2.49
	30	Capacity	3.63	4.07	3.63	4.07	4.50	3.63	4.07	4.50
		SHF	0.83	0.59	1.00	0.83	0.59	1.00	0.99	0.79
		EER	2.70	2.75	2.70	2.75	2.81	2.70	2.75	2.81
	25	Capacity	3.95	4.37	3.95	4.37	4.79	3.95	4.37	4.79
		SHF	0.83	0.59	1.00	0.83	0.59	1.00	0.99	0.79
		EER	3.18	3.20	3.18	3.20	3.21	3.18	3.20	3.21
	20	Capacity	4.28	4.67	4.28	4.67	5.07	4.28	4.67	5.07
		SHF	0.83	0.59	1.00	0.83	0.59	1.00	0.99	0.79
		EER	3.67	3.64	3.67	3.64	3.62	3.67	3.64	3.62
Rated frequency	46	Capacity	2.57	3.01	2.57	3.01	3.45	2.57	3.01	3.45
		SHF	0.88	0.64	1.00	0.88	0.64	1.00	1.00	0.84
		EER	2.55	2.75	2.55	2.75	2.95	2.55	2.75	2.95
	40	Capacity	2.84	3.26	2.84	3.26	3.68	2.84	3.26	3.68
		SHF	0.88	0.64	1.00	0.88	0.64	1.00	1.00	0.84
		EER	2.96	3.12	2.96	3.12	3.27	2.96	3.12	3.27
	35	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.88	0.64	1.00	0.88	0.64	1.00	1.00	0.84
		EER	3.44	3.55	3.44	3.55	3.67	3.44	3.55	3.67
	30	Capacity	3.34	3.75	3.34	3.75	4.15	3.34	3.75	4.15
		SHF	0.88	0.64	1.00	0.88	0.64	1.00	1.00	0.84
		EER	3.96	4.05	3.96	4.05	4.13	3.96	4.05	4.13
	25	Capacity	3.64	4.03	3.64	4.03	4.41	3.64	4.03	4.41
		SHF	0.88	0.64	1.00	0.88	0.64	1.00	1.00	0.84
		EER	4.68	4.70	4.68	4.70	4.73	4.68	4.70	4.73
	20	Capacity	3.94	4.31	3.94	4.31	4.67	3.94	4.31	4.67
		SHF	0.88	0.64	1.00	0.88	0.64	1.00	1.00	0.84
		EER	5.39	5.36	5.39	5.36	5.32	5.39	5.36	5.32
Minimum Frequency	46	Capacity	0.81	0.95	0.81	0.95	1.08	0.81	0.95	1.08
		EER	3.78	4.08	3.78	4.08	4.37	3.78	4.08	4.37
	40	Capacity	0.89	1.02	0.89	1.02	1.16	0.89	1.02	1.16
		EER	4.39	4.62	4.39	4.62	4.84	4.39	4.62	4.84
	35	Capacity	0.98	1.11	0.98	1.11	1.23	0.98	1.11	1.23
		EER	5.10	5.26	5.10	5.26	5.43	5.10	5.26	5.43
	30	Capacity	1.05	1.18	1.05	1.18	1.30	1.05	1.18	1.30
		EER	5.87	5.99	5.87	5.99	6.11	5.87	5.99	6.11
	25	Capacity	1.14	1.27	1.14	1.27	1.39	1.14	1.27	1.39
		EER	6.93	6.97	6.93	6.97	7.00	6.93	6.97	7.00
	20	Capacity	1.24	1.35	1.24	1.35	1.47	1.24	1.35	1.47
		EER	7.99	7.94	7.99	7.94	7.89	7.99	7.94	7.89

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.88	0.64	1.00	0.88	0.64	1.00	1.00	0.84
		EER	3.44	3.55	3.44	3.55	3.67	3.44	3.55	3.67

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-AP42VG, MSZ-AP42VGK: MUZ-AP42VG, MUZ-AP42VGH

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	3.46	3.87	3.46	3.87	4.28	3.46	3.87	4.28
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	1.67	1.80	1.67	1.80	1.94	1.67	1.80	1.94
	40	Capacity	3.67	4.19	3.67	4.19	4.70	3.67	4.19	4.70
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	1.94	2.04	1.94	2.04	2.15	1.94	2.04	2.15
	35	Capacity	4.01	4.52	4.01	4.52	5.04	4.01	4.52	5.04
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	2.26	2.33	2.26	2.33	2.41	2.26	2.33	2.41
	30	Capacity	4.30	4.82	4.30	4.82	5.33	4.30	4.82	5.33
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	2.60	2.65	2.60	2.65	2.71	2.60	2.65	2.71
	25	Capacity	4.68	5.18	4.68	5.18	5.67	4.68	5.18	5.67
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.07	3.08	3.07	3.08	3.10	3.07	3.08	3.10
	20	Capacity	5.06	5.54	5.06	5.54	6.01	5.06	5.54	6.01
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.54	3.51	3.54	3.51	3.49	3.54	3.51	3.49
Rated frequency	46	Capacity	3.09	3.61	3.09	3.61	4.14	3.09	3.61	4.14
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	2.33	2.51	2.33	2.51	2.70	2.33	2.51	2.70
	40	Capacity	3.40	3.91	3.40	3.91	4.41	3.40	3.91	4.41
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	2.71	2.85	2.71	2.85	2.99	2.71	2.85	2.99
	35	Capacity	3.74	4.22	3.74	4.22	4.70	3.74	4.22	4.70
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.14	3.25	3.14	3.25	3.35	3.14	3.25	3.35
	30	Capacity	4.01	4.49	4.01	4.49	4.98	4.01	4.49	4.98
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.62	3.70	3.62	3.70	3.77	3.62	3.70	3.77
	25	Capacity	4.37	4.83	4.37	4.83	5.29	4.37	4.83	5.29
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	4.27	4.30	4.27	4.30	4.32	4.27	4.30	4.32
	20	Capacity	4.73	5.17	4.73	5.17	5.61	4.73	5.17	5.61
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	4.93	4.90	4.93	4.90	4.87	4.93	4.90	4.87
Minimum Frequency	46	Capacity	0.66	0.77	0.66	0.77	0.89	0.66	0.77	0.89
		EER	4.33	4.67	4.33	4.67	5.01	4.33	4.67	5.01
	40	Capacity	0.73	0.84	0.73	0.84	0.95	0.73	0.84	0.95
		EER	5.03	5.29	5.03	5.29	5.55	5.03	5.29	5.55
	35	Capacity	0.80	0.90	0.80	0.90	1.01	0.80	0.90	1.01
		EER	5.84	6.03	5.84	6.03	6.22	5.84	6.03	6.22
	30	Capacity	0.86	0.96	0.86	0.96	1.07	0.86	0.96	1.07
		EER	6.73	6.86	6.73	6.86	7.00	6.73	6.86	7.00
	25	Capacity	0.94	1.04	0.94	1.04	1.13	0.94	1.04	1.13
		EER	7.94	7.98	7.94	7.98	8.02	7.94	7.98	8.02
	20	Capacity	1.01	1.11	1.01	1.11	1.20	1.01	1.11	1.20
		EER	9.15	9.09	9.15	9.09	9.04	9.15	9.09	9.04

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	3.74	4.22	3.74	4.22	4.70	3.74	4.22	4.70
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.14	3.25	3.14	3.25	3.35	3.14	3.25	3.35

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-AP50VG, MSZ-AP50VGK: MUZ-AP50VG, MUZ-AP50VGH

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	3.97	4.64	3.97	4.64	5.32	3.97	4.64	5.32
		SHF	0.67	0.43	0.91	0.67	0.43	1.00	0.87	0.63
		EER	2.00	2.15	2.00	2.15	2.31	2.00	2.15	2.31
	40	Capacity	4.37	5.02	4.37	5.02	5.67	4.37	5.02	5.67
		SHF	0.67	0.43	0.91	0.67	0.43	1.00	0.87	0.63
		EER	2.32	2.44	2.32	2.44	2.56	2.32	2.44	2.56
	35	Capacity	4.81	5.43	4.81	5.43	6.05	4.81	5.43	6.05
		SHF	0.67	0.43	0.91	0.67	0.43	1.00	0.87	0.63
		EER	2.69	2.78	2.69	2.78	2.87	2.69	2.78	2.87
	30	Capacity	5.16	5.78	5.16	5.78	6.40	5.16	5.78	6.40
		SHF	0.67	0.43	0.91	0.67	0.43	1.00	0.87	0.63
		EER	3.10	3.17	3.10	3.17	3.23	3.10	3.17	3.23
	25	Capacity	5.62	6.21	5.62	6.21	6.80	5.62	6.21	6.80
		SHF	0.67	0.43	0.91	0.67	0.43	1.00	0.87	0.63
		EER	3.66	3.68	3.66	3.68	3.70	3.66	3.68	3.70
	20	Capacity	6.08	6.64	6.08	6.64	7.21	6.08	6.64	7.21
		SHF	0.67	0.43	0.91	0.67	0.43	1.00	0.87	0.63
		EER	4.22	4.20	4.22	4.20	4.17	4.22	4.20	4.17
Rated frequency	46	Capacity	3.68	4.30	3.68	4.30	4.93	3.68	4.30	4.93
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	2.33	2.51	2.33	2.51	2.69	2.33	2.51	2.69
	40	Capacity	4.05	4.65	4.05	4.65	5.25	4.05	4.65	5.25
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	2.70	2.84	2.70	2.84	2.98	2.70	2.84	2.98
	35	Capacity	4.45	5.03	4.45	5.03	5.60	4.45	5.03	5.60
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	3.14	3.24	3.14	3.24	3.34	3.14	3.24	3.34
	30	Capacity	4.78	5.35	4.78	5.35	5.93	4.78	5.35	5.93
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	3.62	3.69	3.62	3.69	3.77	3.62	3.69	3.77
	25	Capacity	5.20	5.75	5.20	5.75	6.30	5.20	5.75	6.30
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	4.27	4.29	4.27	4.29	4.31	4.27	4.29	4.31
	20	Capacity	5.63	6.15	5.63	6.15	6.68	5.63	6.15	6.68
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	4.92	4.89	4.92	4.89	4.86	4.92	4.89	4.86
Minimum Frequency	46	Capacity	1.03	1.20	1.03	1.20	1.38	1.03	1.20	1.38
		EER	3.37	3.63	3.37	3.63	3.89	3.37	3.63	3.89
	40	Capacity	1.13	1.30	1.13	1.30	1.47	1.13	1.30	1.47
		EER	3.91	4.11	3.91	4.11	4.32	3.91	4.11	4.32
	35	Capacity	1.25	1.41	1.25	1.41	1.57	1.25	1.41	1.57
		EER	4.54	4.69	4.54	4.69	4.84	4.54	4.69	4.84
	30	Capacity	1.34	1.50	1.34	1.50	1.66	1.34	1.50	1.66
		EER	5.23	5.34	5.23	5.34	5.45	5.23	5.34	5.45
	25	Capacity	1.46	1.61	1.46	1.61	1.76	1.46	1.61	1.76
		EER	6.17	6.21	6.17	6.21	6.24	6.17	6.21	6.24
	20	Capacity	1.58	1.72	1.58	1.72	1.87	1.58	1.72	1.87
		EER	7.11	7.07	7.11	7.07	7.03	7.11	7.07	7.03

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	4.45	5.03	4.45	5.03	5.60	4.45	5.03	5.60
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	3.14	3.24	3.14	3.24	3.34	3.14	3.24	3.34

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-AP60VG, MSZ-AP60VGK: MUZ-AP60VG

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	5.37	6.28	5.37	6.28	7.19	5.37	6.28	7.19
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	2.24	2.42	2.24	2.42	2.59	2.24	2.42	2.59
	40	Capacity	5.91	6.79	5.91	6.79	7.67	5.91	6.79	7.67
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	2.60	2.74	2.60	2.74	2.87	2.60	2.74	2.87
	35	Capacity	6.50	7.34	6.50	7.34	8.18	6.50	7.34	8.18
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.02	3.12	3.02	3.12	3.22	3.02	3.12	3.22
	30	Capacity	6.97	7.81	6.97	7.81	8.65	6.97	7.81	8.65
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.48	3.55	3.48	3.55	3.63	3.48	3.55	3.63
	25	Capacity	7.59	8.40	7.59	8.40	9.20	7.59	8.40	9.20
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	4.11	4.13	4.11	4.13	4.15	4.11	4.13	4.15
	20	Capacity	8.21	8.98	8.21	8.98	9.75	8.21	8.98	9.75
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	4.74	4.71	4.74	4.71	4.68	4.74	4.71	4.68
Rated frequency	46	Capacity	4.48	5.25	4.48	5.25	6.01	4.48	5.25	6.01
		SHF	0.83	0.59	1.00	0.83	0.59	1.00	0.99	0.79
		EER	2.77	2.99	2.77	2.99	3.20	2.77	2.99	3.20
	40	Capacity	4.94	5.67	4.94	5.67	6.41	4.94	5.67	6.41
		SHF	0.83	0.59	1.00	0.83	0.59	1.00	0.99	0.79
		EER	3.21	3.38	3.21	3.38	3.55	3.21	3.38	3.55
	35	Capacity	5.43	6.13	5.43	6.13	6.83	5.43	6.13	6.83
		SHF	0.83	0.59	1.00	0.83	0.59	1.00	0.99	0.79
		EER	3.73	3.86	3.73	3.86	3.98	3.73	3.86	3.98
	30	Capacity	5.83	6.53	5.83	6.53	7.23	5.83	6.53	7.23
		SHF	0.83	0.59	1.00	0.83	0.59	1.00	0.99	0.79
		EER	4.30	4.39	4.30	4.39	4.48	4.30	4.39	4.48
	25	Capacity	6.34	7.02	6.34	7.02	7.69	6.34	7.02	7.69
		SHF	0.83	0.59	1.00	0.83	0.59	1.00	0.99	0.79
		EER	5.07	5.10	5.07	5.10	5.13	5.07	5.10	5.13
	20	Capacity	6.86	7.50	6.86	7.50	8.14	6.86	7.50	8.14
		SHF	0.83	0.59	1.00	0.83	0.59	1.00	0.99	0.79
		EER	5.85	5.81	5.85	5.81	5.78	5.85	5.81	5.78
Minimum Frequency	46	Capacity	1.03	1.20	1.03	1.20	1.38	1.03	1.20	1.38
		EER	4.21	4.54	4.21	4.54	4.87	4.21	4.54	4.87
	40	Capacity	1.13	1.30	1.13	1.30	1.47	1.13	1.30	1.47
		EER	4.89	5.14	4.89	5.14	5.40	4.89	5.14	5.40
	35	Capacity	1.25	1.41	1.25	1.41	1.57	1.25	1.41	1.57
		EER	5.68	5.86	5.68	5.86	6.05	5.68	5.86	6.05
	30	Capacity	1.34	1.50	1.34	1.50	1.66	1.34	1.50	1.66
		EER	6.54	6.67	6.54	6.67	6.81	6.54	6.67	6.81
	25	Capacity	1.46	1.61	1.46	1.61	1.76	1.46	1.61	1.76
		EER	7.72	7.76	7.72	7.76	7.80	7.72	7.76	7.80
	20	Capacity	1.58	1.72	1.58	1.72	1.87	1.58	1.72	1.87
		EER	8.89	8.84	8.89	8.84	8.79	8.89	8.84	8.79

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	5.43	6.13	5.43	6.13	6.83	5.43	6.13	6.83
		SHF	0.83	0.59	1.00	0.83	0.59	1.00	0.99	0.79
		EER	3.73	3.86	3.73	3.86	3.98	3.73	3.86	3.98

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-AP71VG, MSZ-AP71VGK: MUZ-AP71VG

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	6.39	7.48	6.39	7.48	8.57	6.39	7.48	8.57
		SHF	0.67	0.43	0.91	0.67	0.43	1.00	0.87	0.63
		EER	2.07	2.23	2.07	2.23	2.40	2.07	2.23	2.40
	40	Capacity	7.05	8.09	7.05	8.09	9.14	7.05	8.09	9.14
		SHF	0.67	0.43	0.91	0.67	0.43	1.00	0.87	0.63
		EER	2.41	2.53	2.41	2.53	2.66	2.41	2.53	2.66
	35	Capacity	7.74	8.74	7.74	8.74	9.74	7.74	8.74	9.74
		SHF	0.67	0.43	0.91	0.67	0.43	1.00	0.87	0.63
		EER	2.79	2.89	2.79	2.89	2.98	2.79	2.89	2.98
	30	Capacity	8.31	9.31	8.31	9.31	10.31	8.31	9.31	10.31
		SHF	0.67	0.43	0.91	0.67	0.43	1.00	0.87	0.63
		EER	3.22	3.29	3.22	3.29	3.35	3.22	3.29	3.35
	25	Capacity	9.05	10.01	9.05	10.01	10.96	9.05	10.01	10.96
		SHF	0.67	0.43	0.91	0.67	0.43	1.00	0.87	0.63
		EER	3.80	3.82	3.80	3.82	3.84	3.80	3.82	3.84
	20	Capacity	9.79	10.70	9.79	10.70	11.61	9.79	10.70	11.61
		SHF	0.67	0.43	0.91	0.67	0.43	1.00	0.87	0.63
		EER	4.38	4.35	4.38	4.35	4.32	4.38	4.35	4.32
Rated frequency	46	Capacity	5.22	6.11	5.22	6.11	6.99	5.22	6.11	6.99
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	2.55	2.75	2.55	2.75	2.95	2.55	2.75	2.95
	40	Capacity	5.75	6.60	5.75	6.60	7.46	5.75	6.60	7.46
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	2.96	3.11	2.96	3.11	3.27	2.96	3.11	3.27
	35	Capacity	6.32	7.14	6.32	7.14	7.95	6.32	7.14	7.95
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.44	3.55	3.44	3.55	3.66	3.44	3.55	3.66
	30	Capacity	6.78	7.60	6.78	7.60	8.41	6.78	7.60	8.41
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.96	4.04	3.96	4.04	4.12	3.96	4.04	4.12
	25	Capacity	7.38	8.17	7.38	8.17	8.95	7.38	8.17	8.95
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	4.67	4.70	4.67	4.70	4.72	4.67	4.70	4.72
	20	Capacity	7.99	8.73	7.99	8.73	9.48	7.99	8.73	9.48
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	5.39	5.35	5.39	5.35	5.32	5.39	5.35	5.32
Minimum Frequency	46	Capacity	1.47	1.72	1.47	1.72	1.97	1.47	1.72	1.97
		EER	3.36	3.62	3.36	3.62	3.88	3.36	3.62	3.88
	40	Capacity	1.62	1.86	1.62	1.86	2.10	1.62	1.86	2.10
		EER	3.90	4.10	3.90	4.10	4.30	3.90	4.10	4.30
	35	Capacity	1.78	2.01	1.78	2.01	2.24	1.78	2.01	2.24
		EER	4.53	4.67	4.53	4.67	4.82	4.53	4.67	4.82
	30	Capacity	1.91	2.14	1.91	2.14	2.37	1.91	2.14	2.37
		EER	5.21	5.32	5.21	5.32	5.43	5.21	5.32	5.43
	25	Capacity	2.08	2.30	2.08	2.30	2.52	2.08	2.30	2.52
		EER	6.15	6.18	6.15	6.18	6.22	6.15	6.18	6.22
	20	Capacity	2.25	2.46	2.25	2.46	2.67	2.25	2.46	2.67
		EER	7.09	7.05	7.09	7.05	7.01	7.09	7.05	7.01

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	6.32	7.14	6.32	7.14	7.95	6.32	7.14	7.95
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.44	3.55	3.44	3.55	3.66	3.44	3.55	3.66

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-HR25VF: MUZ-HR25VF

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.26	2.48	2.26	2.48	2.70	2.26	2.48	2.70
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	2.05	2.21	2.05	2.21	2.37	2.05	2.21	2.37
	40	Capacity	2.40	2.70	2.40	2.70	2.99	2.40	2.70	2.99
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	2.38	2.51	2.38	2.51	2.63	2.38	2.51	2.63
	35	Capacity	2.58	2.91	2.58	2.91	3.25	2.58	2.91	3.25
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	2.77	2.86	2.77	2.86	2.95	2.77	2.86	2.95
	30	Capacity	2.77	3.10	2.77	3.10	3.44	2.77	3.10	3.44
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	3.19	3.25	3.19	3.25	3.32	3.19	3.25	3.32
	25	Capacity	3.02	3.34	3.02	3.34	3.65	3.02	3.34	3.65
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	3.76	3.78	3.76	3.78	3.80	3.76	3.78	3.80
	20	Capacity	3.26	3.57	3.26	3.57	3.87	3.26	3.57	3.87
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	4.33	4.31	4.33	4.31	4.28	4.33	4.31	4.28
Rated frequency	46	Capacity	1.84	2.15	1.84	2.15	2.46	1.84	2.15	2.46
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	2.26	2.43	2.26	2.43	2.61	2.26	2.43	2.61
	40	Capacity	2.03	2.33	2.03	2.33	2.63	2.03	2.33	2.63
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	2.62	2.75	2.62	2.75	2.89	2.62	2.75	2.89
	35	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	3.04	3.14	3.04	3.14	3.24	3.04	3.14	3.24
	30	Capacity	2.39	2.68	2.39	2.68	2.96	2.39	2.68	2.96
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	3.50	3.58	3.50	3.58	3.65	3.50	3.58	3.65
	25	Capacity	2.60	2.88	2.60	2.88	3.15	2.60	2.88	3.15
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	4.13	4.16	4.13	4.16	4.18	4.13	4.16	4.18
	20	Capacity	2.81	3.08	2.81	3.08	3.34	2.81	3.08	3.34
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	4.76	4.74	4.76	4.74	4.71	4.76	4.74	4.71
Minimum Frequency	46	Capacity	0.37	0.43	0.37	0.43	0.49	0.37	0.43	0.49
		EER	2.41	2.59	2.41	2.59	2.78	2.41	2.59	2.78
	40	Capacity	0.41	0.47	0.41	0.47	0.53	0.41	0.47	0.53
		EER	2.79	2.94	2.79	2.94	3.08	2.79	2.94	3.08
	35	Capacity	0.45	0.50	0.45	0.50	0.56	0.45	0.50	0.56
		EER	3.24	3.35	3.24	3.35	3.46	3.24	3.35	3.46
	30	Capacity	0.48	0.54	0.48	0.54	0.59	0.48	0.54	0.59
		EER	3.74	3.81	3.74	3.81	3.89	3.74	3.81	3.89
	25	Capacity	0.52	0.58	0.52	0.58	0.63	0.52	0.58	0.63
		EER	4.41	4.43	4.41	4.43	4.46	4.41	4.43	4.46
	20	Capacity	0.56	0.62	0.56	0.62	0.67	0.56	0.62	0.67
		EER	5.08	5.05	5.08	5.05	5.02	5.08	5.05	5.02

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	3.04	3.14	3.04	3.14	3.24	3.04	3.14	3.24

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-HR35VF: MUZ-HR35VF

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.50	2.92	2.50	2.92	3.35	2.50	2.92	3.35
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	2.03	2.19	2.03	2.19	2.34	2.03	2.19	2.34
	40	Capacity	2.75	3.16	2.75	3.16	3.57	2.75	3.16	3.57
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	2.35	2.48	2.35	2.48	2.60	2.35	2.48	2.60
	35	Capacity	3.03	3.42	3.03	3.42	3.81	3.03	3.42	3.81
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	2.73	2.82	2.73	2.82	2.91	2.73	2.82	2.91
	30	Capacity	3.25	3.64	3.25	3.64	4.03	3.25	3.64	4.03
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	3.15	3.22	3.15	3.22	3.28	3.15	3.22	3.28
	25	Capacity	3.54	3.91	3.54	3.91	4.28	3.54	3.91	4.28
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	3.72	3.74	3.72	3.74	3.76	3.72	3.74	3.76
	20	Capacity	3.83	4.18	3.83	4.18	4.54	3.83	4.18	4.54
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	4.28	4.26	4.28	4.26	4.23	4.28	4.26	4.23
Rated frequency	46	Capacity	2.50	2.92	2.50	2.92	3.35	2.50	2.92	3.35
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	2.03	2.19	2.03	2.19	2.34	2.03	2.19	2.34
	40	Capacity	2.75	3.16	2.75	3.16	3.57	2.75	3.16	3.57
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	2.35	2.48	2.35	2.48	2.60	2.35	2.48	2.60
	35	Capacity	3.03	3.42	3.03	3.42	3.81	3.03	3.42	3.81
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	2.73	2.82	2.73	2.82	2.91	2.73	2.82	2.91
	30	Capacity	3.25	3.64	3.25	3.64	4.03	3.25	3.64	4.03
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	3.15	3.22	3.15	3.22	3.28	3.15	3.22	3.28
	25	Capacity	3.54	3.91	3.54	3.91	4.28	3.54	3.91	4.28
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	3.72	3.74	3.72	3.74	3.76	3.72	3.74	3.76
	20	Capacity	3.83	4.18	3.83	4.18	4.54	3.83	4.18	4.54
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	4.28	4.26	4.28	4.26	4.23	4.28	4.26	4.23
Minimum Frequency	46	Capacity	0.66	0.77	0.66	0.77	0.89	0.66	0.77	0.89
		EER	3.42	3.69	3.42	3.69	3.95	3.42	3.69	3.95
	40	Capacity	0.73	0.84	0.73	0.84	0.95	0.73	0.84	0.95
		EER	3.97	4.17	3.97	4.17	4.38	3.97	4.17	4.38
	35	Capacity	0.80	0.90	0.80	0.90	1.01	0.80	0.90	1.01
		EER	4.61	4.76	4.61	4.76	4.91	4.61	4.76	4.91
	30	Capacity	0.86	0.96	0.86	0.96	1.07	0.86	0.96	1.07
		EER	5.31	5.42	5.31	5.42	5.53	5.31	5.42	5.53
	25	Capacity	0.94	1.04	0.94	1.04	1.13	0.94	1.04	1.13
		EER	6.27	6.30	6.27	6.30	6.33	6.27	6.30	6.33
	20	Capacity	1.01	1.11	1.01	1.11	1.20	1.01	1.11	1.20
		EER	7.22	7.18	7.22	7.18	7.13	7.22	7.18	7.13

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	3.03	3.42	3.03	3.42	3.81	3.03	3.42	3.81
		SHF	0.78	0.54	1.00	0.78	0.54	1.00	0.96	0.74
		EER	2.73	2.82	2.73	2.82	2.91	2.73	2.82	2.91

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-HR42VF: MUZ-HR42VF

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	3.31	3.87	3.31	3.87	4.43	3.31	3.87	4.43
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	2.03	2.19	2.03	2.19	2.35	2.03	2.19	2.35
	40	Capacity	3.65	4.19	3.65	4.19	4.73	3.65	4.19	4.73
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	2.36	2.48	2.36	2.48	2.60	2.36	2.48	2.60
	35	Capacity	4.01	4.52	4.01	4.52	5.04	4.01	4.52	5.04
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	2.74	2.83	2.74	2.83	2.92	2.74	2.83	2.92
	30	Capacity	4.30	4.82	4.30	4.82	5.33	4.30	4.82	5.33
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	3.15	3.22	3.15	3.22	3.28	3.15	3.22	3.28
	25	Capacity	4.68	5.18	4.68	5.18	5.67	4.68	5.18	5.67
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	3.72	3.74	3.72	3.74	3.76	3.72	3.74	3.76
	20	Capacity	5.06	5.54	5.06	5.54	6.01	5.06	5.54	6.01
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	4.29	4.26	4.29	4.26	4.24	4.29	4.26	4.24
Rated frequency	46	Capacity	3.09	3.61	3.09	3.61	4.14	3.09	3.61	4.14
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	2.26	2.44	2.26	2.44	2.62	2.26	2.44	2.62
	40	Capacity	3.40	3.91	3.40	3.91	4.41	3.40	3.91	4.41
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	2.63	2.76	2.63	2.76	2.90	2.63	2.76	2.90
	35	Capacity	3.74	4.22	3.74	4.22	4.70	3.74	4.22	4.70
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	3.05	3.15	3.05	3.15	3.25	3.05	3.15	3.25
	30	Capacity	4.01	4.49	4.01	4.49	4.98	4.01	4.49	4.98
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	3.51	3.59	3.51	3.59	3.66	3.51	3.59	3.66
	25	Capacity	4.37	4.83	4.37	4.83	5.29	4.37	4.83	5.29
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	4.15	4.17	4.15	4.17	4.19	4.15	4.17	4.19
	20	Capacity	4.73	5.17	4.73	5.17	5.61	4.73	5.17	5.61
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	4.78	4.75	4.78	4.75	4.72	4.78	4.75	4.72
Minimum Frequency	46	Capacity	0.81	0.95	0.81	0.95	1.08	0.81	0.95	1.08
		EER	4.18	4.50	4.18	4.50	4.83	4.18	4.50	4.83
	40	Capacity	0.89	1.02	0.89	1.02	1.16	0.89	1.02	1.16
		EER	4.85	5.10	4.85	5.10	5.35	4.85	5.10	5.35
	35	Capacity	0.98	1.11	0.98	1.11	1.23	0.98	1.11	1.23
		EER	5.63	5.82	5.63	5.82	6.00	5.63	5.82	6.00
	30	Capacity	1.05	1.18	1.05	1.18	1.30	1.05	1.18	1.30
		EER	6.49	6.62	6.49	6.62	6.76	6.49	6.62	6.76
	25	Capacity	1.14	1.27	1.14	1.27	1.39	1.14	1.27	1.39
		EER	7.66	7.70	7.66	7.70	7.74	7.66	7.70	7.74
	20	Capacity	1.24	1.35	1.24	1.35	1.47	1.24	1.35	1.47
		EER	8.83	8.77	8.83	8.77	8.72	8.83	8.77	8.72

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	3.74	4.22	3.74	4.22	4.70	3.74	4.22	4.70
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	3.05	3.15	3.05	3.15	3.25	3.05	3.15	3.25

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-HR50VF: MUZ-HR50VF

		INDOOR (°C)							
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	3.89	4.19	3.89	4.19	4.50	3.89	4.19	4.50
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	1.76	1.90	1.76	1.90	2.04	1.76	1.90	2.04
	40	Capacity	4.32	4.65	4.32	4.65	4.98	4.32	4.65	4.98
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	2.04	2.15	2.04	2.15	2.26	2.04	2.15	2.26
	35	Capacity	4.51	5.03	4.51	5.03	5.54	4.51	5.03	5.54
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	2.37	2.45	2.37	2.45	2.53	2.37	2.45	2.53
	30	Capacity	4.78	5.35	4.78	5.35	5.93	4.78	5.35	5.93
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	2.73	2.79	2.73	2.79	2.85	2.73	2.79	2.85
	25	Capacity	5.20	5.75	5.20	5.75	6.30	5.20	5.75	6.30
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	3.23	3.24	3.23	3.24	3.26	3.23	3.24	3.26
	20	Capacity	5.63	6.15	5.63	6.15	6.68	5.63	6.15	6.68
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	3.72	3.70	3.72	3.70	3.67	3.72	3.70	3.67
Rated frequency	46	Capacity	3.89	4.19	3.89	4.19	4.50	3.89	4.19	4.50
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	1.76	1.90	1.76	1.90	2.04	1.76	1.90	2.04
	40	Capacity	4.32	4.65	4.32	4.65	4.98	4.32	4.65	4.98
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.04	2.15	2.04	2.15	2.26	2.04	2.15	2.26
	35	Capacity	4.51	5.03	4.51	5.03	5.54	4.51	5.03	5.54
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.37	2.45	2.37	2.45	2.53	2.37	2.45	2.53
	30	Capacity	4.78	5.35	4.78	5.35	5.93	4.78	5.35	5.93
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.73	2.79	2.73	2.79	2.85	2.73	2.79	2.85
	25	Capacity	5.20	5.75	5.20	5.75	6.30	5.20	5.75	6.30
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	3.23	3.24	3.23	3.24	3.26	3.23	3.24	3.26
	20	Capacity	5.63	6.15	5.63	6.15	6.68	5.63	6.15	6.68
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	3.72	3.70	3.72	3.70	3.67	3.72	3.70	3.67
Minimum Frequency	46	Capacity	0.96	1.12	0.96	1.12	1.28	0.96	1.12	1.28
		EER	3.13	3.37	3.13	3.37	3.62	3.13	3.37	3.62
	40	Capacity	1.05	1.21	1.05	1.21	1.37	1.05	1.21	1.37
		EER	3.63	3.82	3.63	3.82	4.01	3.63	3.82	4.01
	35	Capacity	1.16	1.31	1.16	1.31	1.46	1.16	1.31	1.46
		EER	4.22	4.35	4.22	4.35	4.49	4.22	4.35	4.49
	30	Capacity	1.24	1.39	1.24	1.39	1.54	1.24	1.39	1.54
		EER	4.86	4.96	4.86	4.96	5.06	4.86	4.96	5.06
	25	Capacity	1.35	1.50	1.35	1.50	1.64	1.35	1.50	1.64
		EER	5.73	5.76	5.73	5.76	5.79	5.73	5.76	5.79
	20	Capacity	1.46	1.60	1.46	1.60	1.74	1.46	1.60	1.74
		EER	6.61	6.57	6.61	6.57	6.53	6.61	6.57	6.53

Cooling performance data (Low ambient Condition)

		INDOOR (°C)							
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	4.51	5.03	4.51	5.03	5.54	4.51	5.03	5.54
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.37	2.45	2.37	2.45	2.53	2.37	2.45	2.53

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-HR60VF: MUZ-HR60VF

		INDOOR (°C)							
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	5.22	6.11	5.22	6.11	6.99	5.22	6.11	6.99
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	2.18	2.35	2.18	2.35	2.52	2.18	2.35	2.52
	40	Capacity	5.75	6.60	5.75	6.60	7.46	5.75	6.60	7.46
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	2.53	2.66	2.53	2.66	2.79	2.53	2.66	2.79
	35	Capacity	6.32	7.14	6.32	7.14	7.95	6.32	7.14	7.95
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	2.94	3.04	2.94	3.04	3.13	2.94	3.04	3.13
	30	Capacity	6.78	7.60	6.78	7.60	8.41	6.78	7.60	8.41
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	3.39	3.46	3.39	3.46	3.53	3.39	3.46	3.53
	25	Capacity	7.38	8.17	7.38	8.17	8.95	7.38	8.17	8.95
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	4.00	4.02	4.00	4.02	4.04	4.00	4.02	4.04
	20	Capacity	7.99	8.73	7.99	8.73	9.48	7.99	8.73	9.48
		SHF	0.75	0.51	0.99	0.75	0.51	1.00	0.95	0.71
		EER	4.61	4.58	4.61	4.58	4.55	4.61	4.58	4.55
Rated frequency	46	Capacity	4.48	5.25	4.48	5.25	6.01	4.48	5.25	6.01
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	2.43	2.62	2.43	2.62	2.81	2.43	2.62	2.81
	40	Capacity	4.94	5.67	4.94	5.67	6.41	4.94	5.67	6.41
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	2.82	2.97	2.82	2.97	3.12	2.82	2.97	3.12
	35	Capacity	5.43	6.13	5.43	6.13	6.83	5.43	6.13	6.83
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	3.28	3.39	3.28	3.39	3.49	3.28	3.39	3.49
	30	Capacity	5.83	6.53	5.83	6.53	7.23	5.83	6.53	7.23
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	3.78	3.86	3.78	3.86	3.93	3.78	3.86	3.93
	25	Capacity	6.34	7.02	6.34	7.02	7.69	6.34	7.02	7.69
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	4.46	4.48	4.46	4.48	4.51	4.46	4.48	4.51
	20	Capacity	6.86	7.50	6.86	7.50	8.14	6.86	7.50	8.14
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	5.14	5.11	5.14	5.11	5.08	5.14	5.11	5.08
Minimum Frequency	46	Capacity	1.25	1.46	1.25	1.46	1.67	1.25	1.46	1.67
		EER	3.51	3.78	3.51	3.78	4.05	3.51	3.78	4.05
	40	Capacity	1.38	1.58	1.38	1.58	1.79	1.38	1.58	1.79
		EER	4.07	4.28	4.07	4.28	4.49	4.07	4.28	4.49
	35	Capacity	1.51	1.71	1.51	1.71	1.90	1.51	1.71	1.90
		EER	4.73	4.88	4.73	4.88	5.04	4.73	4.88	5.04
	30	Capacity	1.62	1.82	1.62	1.82	2.01	1.62	1.82	2.01
		EER	5.44	5.56	5.44	5.56	5.67	5.44	5.56	5.67
	25	Capacity	1.77	1.96	1.77	1.96	2.14	1.77	1.96	2.14
		EER	6.42	6.46	6.42	6.46	6.49	6.42	6.46	6.49
	20	Capacity	1.91	2.09	1.91	2.09	2.27	1.91	2.09	2.27
		EER	7.40	7.36	7.40	7.36	7.32	7.40	7.36	7.32

Cooling performance data (Low ambient Condition)

		INDOOR (°C)							
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	5.43	6.13	5.43	6.13	6.83	5.43	6.13	6.83
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	3.28	3.39	3.28	3.39	3.49	3.28	3.39	3.49

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-HR71VF: MUZ-HR71VF

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	5.37	6.28	5.37	6.28	7.19	5.37	6.28	7.19
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	2.15	2.32	2.15	2.32	2.49	2.15	2.32	2.49
	40	Capacity	5.91	6.79	5.91	6.79	7.67	5.91	6.79	7.67
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	2.50	2.63	2.50	2.63	2.76	2.50	2.63	2.76
	35	Capacity	6.50	7.34	6.50	7.34	8.18	6.50	7.34	8.18
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	2.90	2.99	2.90	2.99	3.09	2.90	2.99	3.09
	30	Capacity	6.97	7.81	6.97	7.81	8.65	6.97	7.81	8.65
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	3.34	3.41	3.34	3.41	3.48	3.34	3.41	3.48
	25	Capacity	7.59	8.40	7.59	8.40	9.20	7.59	8.40	9.20
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	3.94	3.96	3.94	3.96	3.98	3.94	3.96	3.98
	20	Capacity	8.21	8.98	8.21	8.98	9.75	8.21	8.98	9.75
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	4.54	4.52	4.54	4.52	4.49	4.54	4.52	4.49
Rated frequency	46	Capacity	5.22	6.11	5.22	6.11	6.99	5.22	6.11	6.99
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	2.20	2.37	2.20	2.37	2.54	2.20	2.37	2.54
	40	Capacity	5.75	6.60	5.75	6.60	7.46	5.75	6.60	7.46
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	2.55	2.69	2.55	2.69	2.82	2.55	2.69	2.82
	35	Capacity	6.32	7.14	6.32	7.14	7.95	6.32	7.14	7.95
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	2.96	3.06	2.96	3.06	3.16	2.96	3.06	3.16
	30	Capacity	6.78	7.60	6.78	7.60	8.41	6.78	7.60	8.41
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	3.42	3.49	3.42	3.49	3.56	3.42	3.49	3.56
	25	Capacity	7.38	8.17	7.38	8.17	8.95	7.38	8.17	8.95
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	4.03	4.05	4.03	4.05	4.07	4.03	4.05	4.07
	20	Capacity	7.99	8.73	7.99	8.73	9.48	7.99	8.73	9.48
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	4.65	4.62	4.65	4.62	4.59	4.65	4.62	4.59
Minimum Frequency	46	Capacity	1.32	1.55	1.32	1.55	1.77	1.32	1.55	1.77
		EER	5.41	5.84	5.41	5.84	6.26	5.41	5.84	6.26
	40	Capacity	1.46	1.67	1.46	1.67	1.89	1.46	1.67	1.89
		EER	6.28	6.61	6.28	6.61	6.94	6.28	6.61	6.94
	35	Capacity	1.60	1.81	1.60	1.81	2.02	1.60	1.81	2.02
		EER	7.30	7.54	7.30	7.54	7.78	7.30	7.54	7.78
	30	Capacity	1.72	1.93	1.72	1.93	2.13	1.72	1.93	2.13
		EER	8.41	8.58	8.41	8.58	8.76	8.41	8.58	8.76
	25	Capacity	1.87	2.07	1.87	2.07	2.27	1.87	2.07	2.27
		EER	9.92	9.97	9.92	9.97	10.03	9.92	9.97	10.03
	20	Capacity	2.03	2.21	2.03	2.21	2.40	2.03	2.21	2.40
		EER	11.43	11.37	11.43	11.37	11.30	11.43	11.37	11.30

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	6.32	7.14	6.32	7.14	7.95	6.32	7.14	7.95
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	2.96	3.06	2.96	3.06	3.16	2.96	3.06	3.16

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSY-TP35VF: MUY-TP35VF

		INDOOR (°C)							
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.94	3.44	2.94	3.44	3.94	2.94	3.44	3.94
		SHF	0.93	0.69	1.00	0.93	0.69	1.00	1.00	0.89
		EER	2.92	3.14	2.92	3.14	3.37	2.92	3.14	3.37
	40	Capacity	3.24	3.72	3.24	3.72	4.20	3.24	3.72	4.20
		SHF	0.93	0.69	1.00	0.93	0.69	1.00	1.00	0.89
		EER	3.38	3.56	3.38	3.56	3.74	3.38	3.56	3.74
	35	Capacity	3.56	4.02	3.56	4.02	4.48	3.56	4.02	4.48
		SHF	0.93	0.69	1.00	0.93	0.69	1.00	1.00	0.89
		EER	3.93	4.06	3.93	4.06	4.19	3.93	4.06	4.19
	30	Capacity	3.82	4.28	3.82	4.28	4.74	3.82	4.28	4.74
		SHF	0.93	0.69	1.00	0.93	0.69	1.00	1.00	0.89
		EER	4.53	4.62	4.53	4.62	4.72	4.53	4.62	4.72
	25	Capacity	4.16	4.60	4.16	4.60	5.04	4.16	4.60	5.04
		SHF	0.93	0.69	1.00	0.93	0.69	1.00	1.00	0.89
		EER	5.34	5.37	5.34	5.37	5.40	5.34	5.37	5.40
	20	Capacity	4.50	4.92	4.50	4.92	5.34	4.50	4.92	5.34
		SHF	0.93	0.69	1.00	0.93	0.69	1.00	1.00	0.89
		EER	6.16	6.12	6.16	6.12	6.09	6.16	6.12	6.09
Rated frequency	46	Capacity	2.57	3.01	2.57	3.01	3.45	2.57	3.01	3.45
		SHF	0.98	0.74	1.00	0.96	0.74	1.00	1.00	0.94
		EER	3.32	3.58	3.32	3.58	3.84	3.32	3.58	3.84
	40	Capacity	2.84	3.26	2.84	3.26	3.68	2.84	3.26	3.68
		SHF	0.98	0.74	1.00	0.96	0.74	1.00	1.00	0.94
		EER	3.86	4.06	3.86	4.06	4.26	3.86	4.06	4.26
	35	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.98	0.74	1.00	0.96	0.74	1.00	1.00	0.94
		EER	4.48	4.63	4.48	4.63	4.78	4.48	4.63	4.78
	30	Capacity	3.34	3.75	3.34	3.75	4.15	3.34	3.75	4.15
		SHF	0.98	0.74	1.00	0.96	0.74	1.00	1.00	0.94
		EER	5.16	5.27	5.16	5.27	5.38	5.16	5.27	5.38
	25	Capacity	3.64	4.03	3.64	4.03	4.41	3.64	4.03	4.41
		SHF	0.98	0.74	1.00	0.96	0.74	1.00	1.00	0.94
		EER	6.09	6.12	6.09	6.12	6.16	6.09	6.12	6.16
	20	Capacity	3.94	4.31	3.94	4.31	4.67	3.94	4.31	4.67
		SHF	0.98	0.74	1.00	0.96	0.74	1.00	1.00	0.94
		EER	7.02	6.98	7.02	6.98	6.94	7.02	6.98	6.94
Minimum Frequency	46	Capacity	1.10	1.29	1.10	1.29	1.48	1.10	1.29	1.48
		EER	3.61	3.89	3.61	3.89	4.17	3.61	3.89	4.17
	40	Capacity	1.22	1.40	1.22	1.40	1.58	1.22	1.40	1.58
		EER	4.19	4.41	4.19	4.41	4.62	4.19	4.41	4.62
	35	Capacity	1.34	1.51	1.34	1.51	1.68	1.34	1.51	1.68
		EER	4.86	5.02	4.86	5.02	5.18	4.86	5.02	5.18
	30	Capacity	1.43	1.61	1.43	1.61	1.78	1.43	1.61	1.78
		EER	5.60	5.72	5.60	5.72	5.84	5.60	5.72	5.84
	25	Capacity	1.56	1.73	1.56	1.73	1.89	1.56	1.73	1.89
		EER	6.61	6.65	6.61	6.65	6.68	6.61	6.65	6.68
	20	Capacity	1.69	1.85	1.69	1.85	2.00	1.69	1.85	2.00
		EER	7.62	7.58	7.62	7.58	7.53	7.62	7.58	7.53

Cooling performance data (Low ambient Condition)

		INDOOR (°C)							
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.98	0.74	1.00	0.96	0.74	1.00	1.00	0.94
		EER	4.48	4.63	4.48	4.63	4.78	4.48	4.63	4.78

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSY-TP50VF: MUY-TP50VF

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	4.34	4.68	4.34	4.68	5.02	4.34	4.68	5.02
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	1.99	2.14	1.99	2.14	2.30	1.99	2.14	2.30
	40	Capacity	4.96	5.27	4.96	5.27	5.57	4.96	5.27	5.57
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	2.31	2.43	2.31	2.43	2.55	2.31	2.43	2.55
	35	Capacity	5.22	5.73	5.22	5.73	6.24	5.22	5.73	6.24
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	2.68	2.77	2.68	2.77	2.86	2.68	2.77	2.86
	30	Capacity	5.44	6.10	5.44	6.10	6.75	5.44	6.10	6.75
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.09	3.15	3.09	3.15	3.21	3.09	3.15	3.21
	25	Capacity	5.93	6.56	5.93	6.56	7.18	5.93	6.56	7.18
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	3.64	3.66	3.64	3.66	3.68	3.64	3.66	3.68
	20	Capacity	6.41	7.01	6.41	7.01	7.61	6.41	7.01	7.61
		SHF	0.77	0.53	1.00	0.77	0.53	1.00	0.96	0.73
		EER	4.20	4.17	4.20	4.17	4.15	4.20	4.17	4.15
Rated frequency	46	Capacity	3.68	4.30	3.68	4.30	4.93	3.68	4.30	4.93
		SHF	0.82	0.58	1.00	0.82	0.58	1.00	0.98	0.78
		EER	2.49	2.68	2.49	2.68	2.88	2.49	2.68	2.88
	40	Capacity	4.05	4.65	4.05	4.65	5.25	4.05	4.65	5.25
		SHF	0.82	0.58	1.00	0.82	0.58	1.00	0.98	0.78
		EER	2.89	3.04	2.89	3.04	3.19	2.89	3.04	3.19
	35	Capacity	4.45	5.03	4.45	5.03	5.60	4.45	5.03	5.60
		SHF	0.82	0.58	1.00	0.82	0.58	1.00	0.98	0.78
		EER	3.35	3.47	3.35	3.47	3.58	3.35	3.47	3.58
	30	Capacity	4.78	5.35	4.78	5.35	5.93	4.78	5.35	5.93
		SHF	0.82	0.58	1.00	0.82	0.58	1.00	0.98	0.78
		EER	3.87	3.95	3.87	3.95	4.03	3.87	3.95	4.03
	25	Capacity	5.20	5.75	5.20	5.75	6.30	5.20	5.75	6.30
		SHF	0.82	0.58	1.00	0.82	0.58	1.00	0.98	0.78
		EER	4.56	4.59	4.56	4.59	4.61	4.56	4.59	4.61
	20	Capacity	5.63	6.15	5.63	6.15	6.68	5.63	6.15	6.68
		SHF	0.82	0.58	1.00	0.82	0.58	1.00	0.98	0.78
		EER	5.26	5.23	5.26	5.23	5.19	5.26	5.23	5.19
Minimum Frequency	46	Capacity	1.10	1.29	1.10	1.29	1.48	1.10	1.29	1.48
		EER	3.73	4.02	3.73	4.02	4.32	3.73	4.02	4.32
	40	Capacity	1.22	1.40	1.22	1.40	1.58	1.22	1.40	1.58
		EER	4.33	4.56	4.33	4.56	4.78	4.33	4.56	4.78
	35	Capacity	1.34	1.51	1.34	1.51	1.68	1.34	1.51	1.68
		EER	5.03	5.20	5.03	5.20	5.36	5.03	5.20	5.36
	30	Capacity	1.43	1.61	1.43	1.61	1.78	1.43	1.61	1.78
		EER	5.80	5.92	5.80	5.92	6.04	5.80	5.92	6.04
	25	Capacity	1.56	1.73	1.56	1.73	1.89	1.56	1.73	1.89
		EER	6.84	6.88	6.84	6.88	6.91	6.84	6.88	6.91
	20	Capacity	1.69	1.85	1.69	1.85	2.00	1.69	1.85	2.00
		EER	7.89	7.84	7.89	7.84	7.79	7.89	7.84	7.79

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	4.45	5.03	4.45	5.03	5.60	4.45	5.03	5.60
		SHF	0.82	0.58	1.00	0.82	0.58	1.00	0.98	0.78
		EER	3.35	3.47	3.35	3.47	3.58	3.35	3.47	3.58

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-FH25VE2: MUZ-FH25VE

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.57	3.01	2.57	3.01	3.45	2.57	3.01	3.45
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	2.81	3.03	2.81	3.03	3.25	2.81	3.03	3.25
	40	Capacity	2.84	3.26	2.84	3.26	3.68	2.84	3.26	3.68
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	3.26	3.43	3.26	3.43	3.60	3.26	3.43	3.60
	35	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	3.78	3.91	3.78	3.91	4.03	3.78	3.91	4.03
	30	Capacity	3.34	3.75	3.34	3.75	4.15	3.34	3.75	4.15
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	4.36	4.45	4.36	4.45	4.54	4.36	4.45	4.54
	25	Capacity	3.64	4.03	3.64	4.03	4.41	3.64	4.03	4.41
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	5.14	5.17	5.14	5.17	5.20	5.14	5.17	5.20
	20	Capacity	3.94	4.31	3.94	4.31	4.67	3.94	4.31	4.67
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	5.93	5.89	5.93	5.89	5.86	5.93	5.89	5.86
Rated frequency	46	Capacity	1.84	2.15	1.84	2.15	2.46	1.84	2.15	2.46
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	3.72	4.01	3.72	4.01	4.30	3.72	4.01	4.30
	40	Capacity	2.03	2.33	2.03	2.33	2.63	2.03	2.33	2.63
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	4.32	4.54	4.32	4.54	4.77	4.32	4.54	4.77
	35	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	5.02	5.18	5.02	5.18	5.34	5.02	5.18	5.34
	30	Capacity	2.39	2.68	2.39	2.68	2.96	2.39	2.68	2.96
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	5.78	5.90	5.78	5.90	6.02	5.78	5.90	6.02
	25	Capacity	2.60	2.88	2.60	2.88	3.15	2.60	2.88	3.15
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	6.82	6.85	6.82	6.85	6.89	6.82	6.85	6.89
	20	Capacity	2.81	3.08	2.81	3.08	3.34	2.81	3.08	3.34
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	7.86	7.81	7.86	7.81	7.76	7.86	7.81	7.76
Minimum Frequency	46	Capacity	1.03	1.20	1.03	1.20	1.38	1.03	1.20	1.38
		EER	4.81	5.19	4.81	5.19	5.56	4.81	5.19	5.56
	40	Capacity	1.13	1.30	1.13	1.30	1.47	1.13	1.30	1.47
		EER	5.58	5.88	5.58	5.88	6.17	5.58	5.88	6.17
	35	Capacity	1.25	1.41	1.25	1.41	1.57	1.25	1.41	1.57
		EER	6.49	6.70	6.49	6.70	6.91	6.49	6.70	6.91
	30	Capacity	1.34	1.50	1.34	1.50	1.66	1.34	1.50	1.66
		EER	7.47	7.63	7.47	7.63	7.78	7.47	7.63	7.78
	25	Capacity	1.46	1.61	1.46	1.61	1.76	1.46	1.61	1.76
		EER	8.82	8.87	8.82	8.87	8.91	8.82	8.87	8.91
	20	Capacity	1.58	1.72	1.58	1.72	1.87	1.58	1.72	1.87
		EER	10.16	10.10	10.16	10.10	10.04	10.16	10.10	10.04

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	5.02	5.18	5.02	5.18	5.34	5.02	5.18	5.34

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-FH25VE2: MUZ-FH25VEHZ

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.94	3.44	2.94	3.44	3.94	2.94	3.44	3.94
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	2.51	2.71	2.51	2.71	2.90	2.51	2.71	2.90
	40	Capacity	3.24	3.72	3.24	3.72	4.20	3.24	3.72	4.20
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	2.91	3.07	2.91	3.07	3.22	2.91	3.07	3.22
	35	Capacity	3.56	4.02	3.56	4.02	4.48	3.56	4.02	4.48
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	3.38	3.50	3.38	3.50	3.61	3.38	3.50	3.61
	30	Capacity	3.82	4.28	3.82	4.28	4.74	3.82	4.28	4.74
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	3.90	3.98	3.90	3.98	4.06	3.90	3.98	4.06
	25	Capacity	4.16	4.60	4.16	4.60	5.04	4.16	4.60	5.04
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	4.60	4.63	4.60	4.63	4.65	4.60	4.63	4.65
	20	Capacity	4.50	4.92	4.50	4.92	5.34	4.50	4.92	5.34
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	5.30	5.27	5.30	5.27	5.24	5.30	5.27	5.24
Rated frequency	46	Capacity	1.84	2.15	1.84	2.15	2.46	1.84	2.15	2.46
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	3.72	4.01	3.72	4.01	4.30	3.72	4.01	4.30
	40	Capacity	2.03	2.33	2.03	2.33	2.63	2.03	2.33	2.63
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	4.32	4.54	4.32	4.54	4.77	4.32	4.54	4.77
	35	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	5.02	5.18	5.02	5.18	5.34	5.02	5.18	5.34
	30	Capacity	2.39	2.68	2.39	2.68	2.96	2.39	2.68	2.96
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	5.78	5.90	5.78	5.90	6.02	5.78	5.90	6.02
	25	Capacity	2.60	2.88	2.60	2.88	3.15	2.60	2.88	3.15
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	6.82	6.85	6.82	6.85	6.89	6.82	6.85	6.89
	20	Capacity	2.81	3.08	2.81	3.08	3.34	2.81	3.08	3.34
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	7.86	7.81	7.86	7.81	7.76	7.86	7.81	7.76
Minimum Frequency	46	Capacity	0.59	0.69	0.59	0.69	0.79	0.59	0.69	0.79
		EER	3.40	3.66	3.40	3.66	3.93	3.40	3.66	3.93
	40	Capacity	0.65	0.74	0.65	0.74	0.84	0.65	0.74	0.84
		EER	3.94	4.15	3.94	4.15	4.35	3.94	4.15	4.35
	35	Capacity	0.71	0.80	0.71	0.80	0.90	0.71	0.80	0.90
		EER	4.58	4.73	4.58	4.73	4.88	4.58	4.73	4.88
	30	Capacity	0.76	0.86	0.76	0.86	0.95	0.76	0.86	0.95
		EER	5.28	5.38	5.28	5.38	5.49	5.28	5.38	5.49
	25	Capacity	0.83	0.92	0.83	0.92	1.01	0.83	0.92	1.01
		EER	6.22	6.26	6.22	6.26	6.29	6.22	6.26	6.29
	20	Capacity	0.90	0.98	0.90	0.98	1.07	0.90	0.98	1.07
		EER	7.17	7.13	7.17	7.13	7.09	7.17	7.13	7.09

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.95	0.71	1.00	0.95	0.71	1.00	1.00	0.91
		EER	5.02	5.18	5.02	5.18	5.34	5.02	5.18	5.34

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-FH35VE2: MUZ-FH35VE

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.94	3.44	2.94	3.44	3.94	2.94	3.44	3.94
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	2.51	2.71	2.51	2.71	2.90	2.51	2.71	2.90
	40	Capacity	3.24	3.72	3.24	3.72	4.20	3.24	3.72	4.20
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	2.91	3.07	2.91	3.07	3.22	2.91	3.07	3.22
	35	Capacity	3.56	4.02	3.56	4.02	4.48	3.56	4.02	4.48
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	3.38	3.50	3.38	3.50	3.61	3.38	3.50	3.61
	30	Capacity	3.82	4.28	3.82	4.28	4.74	3.82	4.28	4.74
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	3.90	3.98	3.90	3.98	4.06	3.90	3.98	4.06
	25	Capacity	4.16	4.60	4.16	4.60	5.04	4.16	4.60	5.04
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	4.60	4.63	4.60	4.63	4.65	4.60	4.63	4.65
	20	Capacity	4.50	4.92	4.50	4.92	5.34	4.50	4.92	5.34
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	5.30	5.27	5.30	5.27	5.24	5.30	5.27	5.24
Rated frequency	46	Capacity	2.57	3.01	2.57	3.01	3.45	2.57	3.01	3.45
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	3.08	3.32	3.08	3.32	3.56	3.08	3.32	3.56
	40	Capacity	2.84	3.26	2.84	3.26	3.68	2.84	3.26	3.68
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	3.58	3.76	3.58	3.76	3.95	3.58	3.76	3.95
	35	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	4.15	4.29	4.15	4.29	4.43	4.15	4.29	4.43
	30	Capacity	3.34	3.75	3.34	3.75	4.15	3.34	3.75	4.15
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	4.78	4.88	4.78	4.88	4.98	4.78	4.88	4.98
	25	Capacity	3.64	4.03	3.64	4.03	4.41	3.64	4.03	4.41
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	5.65	5.68	5.65	5.68	5.71	5.65	5.68	5.71
	20	Capacity	3.94	4.31	3.94	4.31	4.67	3.94	4.31	4.67
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	6.51	6.47	6.51	6.47	6.43	6.51	6.47	6.43
Minimum Frequency	46	Capacity	0.59	0.69	0.59	0.69	0.79	0.59	0.69	0.79
		EER	3.40	3.66	3.40	3.66	3.93	3.40	3.66	3.93
	40	Capacity	0.65	0.74	0.65	0.74	0.84	0.65	0.74	0.84
		EER	3.94	4.15	3.94	4.15	4.35	3.94	4.15	4.35
	35	Capacity	0.71	0.80	0.71	0.80	0.90	0.71	0.80	0.90
		EER	4.58	4.73	4.58	4.73	4.88	4.58	4.73	4.88
	30	Capacity	0.76	0.86	0.76	0.86	0.95	0.76	0.86	0.95
		EER	5.28	5.38	5.28	5.38	5.49	5.28	5.38	5.49
	25	Capacity	0.83	0.92	0.83	0.92	1.01	0.83	0.92	1.01
		EER	6.22	6.26	6.22	6.26	6.29	6.22	6.26	6.29
	20	Capacity	0.90	0.98	0.90	0.98	1.07	0.90	0.98	1.07
		EER	7.17	7.13	7.17	7.13	7.09	7.17	7.13	7.09

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	4.15	4.29	4.15	4.29	4.43	4.15	4.29	4.43

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-FH35VE2: MUZ-FH35VEHZ

		INDOOR (°C)							
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.94	3.44	2.94	3.44	3.94	2.94	3.44	3.94
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	2.51	2.71	2.51	2.71	2.90	2.51	2.71	2.90
	40	Capacity	3.24	3.72	3.24	3.72	4.20	3.24	3.72	4.20
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	2.91	3.07	2.91	3.07	3.22	2.91	3.07	3.22
	35	Capacity	3.56	4.02	3.56	4.02	4.48	3.56	4.02	4.48
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	3.38	3.50	3.38	3.50	3.61	3.38	3.50	3.61
	30	Capacity	3.82	4.28	3.82	4.28	4.74	3.82	4.28	4.74
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	3.90	3.98	3.90	3.98	4.06	3.90	3.98	4.06
	25	Capacity	4.16	4.60	4.16	4.60	5.04	4.16	4.60	5.04
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	4.60	4.63	4.60	4.63	4.65	4.60	4.63	4.65
	20	Capacity	4.50	4.92	4.50	4.92	5.34	4.50	4.92	5.34
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	5.30	5.27	5.30	5.27	5.24	5.30	5.27	5.24
Rated frequency	46	Capacity	2.57	3.01	2.57	3.01	3.45	2.57	3.01	3.45
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	3.08	3.32	3.08	3.32	3.56	3.08	3.32	3.56
	40	Capacity	2.84	3.26	2.84	3.26	3.68	2.84	3.26	3.68
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	3.58	3.76	3.58	3.76	3.95	3.58	3.76	3.95
	35	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	4.15	4.29	4.15	4.29	4.43	4.15	4.29	4.43
	30	Capacity	3.34	3.75	3.34	3.75	4.15	3.34	3.75	4.15
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	4.78	4.88	4.78	4.88	4.98	4.78	4.88	4.98
	25	Capacity	3.64	4.03	3.64	4.03	4.41	3.64	4.03	4.41
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	5.65	5.68	5.65	5.68	5.71	5.65	5.68	5.71
	20	Capacity	3.94	4.31	3.94	4.31	4.67	3.94	4.31	4.67
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	6.51	6.47	6.51	6.47	6.43	6.51	6.47	6.43
Minimum Frequency	46	Capacity	0.59	0.69	0.59	0.69	0.79	0.59	0.69	0.79
		EER	3.40	3.66	3.40	3.66	3.93	3.40	3.66	3.93
	40	Capacity	0.65	0.74	0.65	0.74	0.84	0.65	0.74	0.84
		EER	3.94	4.15	3.94	4.15	4.35	3.94	4.15	4.35
	35	Capacity	0.71	0.80	0.71	0.80	0.90	0.71	0.80	0.90
		EER	4.58	4.73	4.58	4.73	4.88	4.58	4.73	4.88
	30	Capacity	0.76	0.86	0.76	0.86	0.95	0.76	0.86	0.95
		EER	5.28	5.38	5.28	5.38	5.49	5.28	5.38	5.49
	25	Capacity	0.83	0.92	0.83	0.92	1.01	0.83	0.92	1.01
		EER	6.22	6.26	6.22	6.26	6.29	6.22	6.26	6.29
	20	Capacity	0.90	0.98	0.90	0.98	1.07	0.90	0.98	1.07
		EER	7.17	7.13	7.17	7.13	7.09	7.17	7.13	7.09

Cooling performance data (Low ambient Condition)

		INDOOR (°C)							
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	4.15	4.29	4.15	4.29	4.43	4.15	4.29	4.43

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-FH50VE2: MUZ-FH50VE

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	4.41	5.16	4.41	5.16	5.91	4.41	5.16	5.91
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	1.92	2.07	1.92	2.07	2.23	1.92	2.07	2.23
	40	Capacity	4.86	5.58	4.86	5.58	6.30	4.86	5.58	6.30
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.23	2.35	2.23	2.35	2.47	2.23	2.35	2.47
	35	Capacity	5.34	6.03	5.34	6.03	6.72	5.34	6.03	6.72
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.59	2.68	2.59	2.68	2.77	2.59	2.68	2.77
	30	Capacity	5.73	6.42	5.73	6.42	7.11	5.73	6.42	7.11
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.99	3.05	2.99	3.05	3.11	2.99	3.05	3.11
	25	Capacity	6.24	6.90	6.24	6.90	7.56	6.24	6.90	7.56
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	3.53	3.55	3.53	3.55	3.56	3.53	3.55	3.56
	20	Capacity	6.75	7.38	6.75	7.38	8.01	6.75	7.38	8.01
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	4.07	4.04	4.07	4.04	4.02	4.07	4.04	4.02
Rated frequency	46	Capacity	3.68	4.30	3.68	4.30	4.93	3.68	4.30	4.93
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.61	2.82	2.61	2.82	3.02	2.61	2.82	3.02
	40	Capacity	4.05	4.65	4.05	4.65	5.25	4.05	4.65	5.25
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	3.03	3.19	3.03	3.19	3.35	3.03	3.19	3.35
	35	Capacity	4.45	5.03	4.45	5.03	5.60	4.45	5.03	5.60
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	3.53	3.64	3.53	3.64	3.76	3.53	3.64	3.76
	30	Capacity	4.78	5.35	4.78	5.35	5.93	4.78	5.35	5.93
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	4.06	4.15	4.06	4.15	4.23	4.06	4.15	4.23
	25	Capacity	5.20	5.75	5.20	5.75	6.30	5.20	5.75	6.30
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	4.79	4.82	4.79	4.82	4.84	4.79	4.82	4.84
	20	Capacity	5.63	6.15	5.63	6.15	6.68	5.63	6.15	6.68
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	5.52	5.49	5.52	5.49	5.46	5.52	5.49	5.46
Minimum Frequency	46	Capacity	1.40	1.63	1.40	1.63	1.87	1.40	1.63	1.87
		EER	3.34	3.61	3.34	3.61	3.87	3.34	3.61	3.87
	40	Capacity	1.54	1.77	1.54	1.77	2.00	1.54	1.77	2.00
		EER	3.88	4.08	3.88	4.08	4.29	3.88	4.08	4.29
	35	Capacity	1.69	1.91	1.69	1.91	2.13	1.69	1.91	2.13
		EER	4.51	4.66	4.51	4.66	4.81	4.51	4.66	4.81
	30	Capacity	1.81	2.03	1.81	2.03	2.25	1.81	2.03	2.25
		EER	5.19	5.30	5.19	5.30	5.41	5.19	5.30	5.41
	25	Capacity	1.98	2.19	1.98	2.19	2.39	1.98	2.19	2.39
		EER	6.13	6.16	6.13	6.16	6.19	6.13	6.16	6.19
	20	Capacity	2.14	2.34	2.14	2.34	2.54	2.14	2.34	2.54
		EER	7.07	7.02	7.07	7.02	6.98	7.07	7.02	6.98

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	4.45	5.03	4.45	5.03	5.60	4.45	5.03	5.60
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	3.53	3.64	3.53	3.64	3.76	3.53	3.64	3.76

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-FH50VE2: MUZ-FH50VEHZ

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	4.41	5.16	4.41	5.16	5.91	4.41	5.16	5.91
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	1.92	2.07	1.92	2.07	2.23	1.92	2.07	2.23
	40	Capacity	4.86	5.58	4.86	5.58	6.30	4.86	5.58	6.30
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.23	2.35	2.23	2.35	2.47	2.23	2.35	2.47
	35	Capacity	5.34	6.03	5.34	6.03	6.72	5.34	6.03	6.72
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.59	2.68	2.59	2.68	2.77	2.59	2.68	2.77
	30	Capacity	5.73	6.42	5.73	6.42	7.11	5.73	6.42	7.11
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.99	3.05	2.99	3.05	3.11	2.99	3.05	3.11
	25	Capacity	6.24	6.90	6.24	6.90	7.56	6.24	6.90	7.56
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	3.53	3.55	3.53	3.55	3.56	3.53	3.55	3.56
	20	Capacity	6.75	7.38	6.75	7.38	8.01	6.75	7.38	8.01
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	4.07	4.04	4.07	4.04	4.02	4.07	4.04	4.02
Rated frequency	46	Capacity	3.68	4.30	3.68	4.30	4.93	3.68	4.30	4.93
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.61	2.82	2.61	2.82	3.02	2.61	2.82	3.02
	40	Capacity	4.05	4.65	4.05	4.65	5.25	4.05	4.65	5.25
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	3.03	3.19	3.03	3.19	3.35	3.03	3.19	3.35
	35	Capacity	4.45	5.03	4.45	5.03	5.60	4.45	5.03	5.60
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	3.53	3.64	3.53	3.64	3.76	3.53	3.64	3.76
	30	Capacity	4.78	5.35	4.78	5.35	5.93	4.78	5.35	5.93
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	4.06	4.15	4.06	4.15	4.23	4.06	4.15	4.23
	25	Capacity	5.20	5.75	5.20	5.75	6.30	5.20	5.75	6.30
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	4.79	4.82	4.79	4.82	4.84	4.79	4.82	4.84
	20	Capacity	5.63	6.15	5.63	6.15	6.68	5.63	6.15	6.68
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	5.52	5.49	5.52	5.49	5.46	5.52	5.49	5.46
Minimum Frequency	46	Capacity	1.40	1.63	1.40	1.63	1.87	1.40	1.63	1.87
		EER	3.34	3.61	3.34	3.61	3.87	3.34	3.61	3.87
	40	Capacity	1.54	1.77	1.54	1.77	2.00	1.54	1.77	2.00
		EER	3.88	4.08	3.88	4.08	4.29	3.88	4.08	4.29
	35	Capacity	1.69	1.91	1.69	1.91	2.13	1.69	1.91	2.13
		EER	4.51	4.66	4.51	4.66	4.81	4.51	4.66	4.81
	30	Capacity	1.81	2.03	1.81	2.03	2.25	1.81	2.03	2.25
		EER	5.19	5.30	5.19	5.30	5.41	5.19	5.30	5.41
	25	Capacity	1.98	2.19	1.98	2.19	2.39	1.98	2.19	2.39
		EER	6.13	6.16	6.13	6.16	6.19	6.13	6.16	6.19
	20	Capacity	2.14	2.34	2.14	2.34	2.54	2.14	2.34	2.54
		EER	7.07	7.02	7.07	7.02	6.98	7.07	7.02	6.98

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	4.45	5.03	4.45	5.03	5.60	4.45	5.03	5.60
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	3.53	3.64	3.53	3.64	3.76	3.53	3.64	3.76

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-EF25VGW/B/S, MSZ-EF25VGKW/B/S: MUZ-EF25VG, MUZ-EF25VGH

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.50	2.92	2.50	2.92	3.35	2.50	2.92	3.35
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	2.13	2.30	2.13	2.30	2.47	2.13	2.30	2.47
	40	Capacity	2.75	3.16	2.75	3.16	3.57	2.75	3.16	3.57
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	2.48	2.61	2.48	2.61	2.73	2.48	2.61	2.73
	35	Capacity	3.03	3.42	3.03	3.42	3.81	3.03	3.42	3.81
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	2.88	2.97	2.88	2.97	3.07	2.88	2.97	3.07
	30	Capacity	3.25	3.64	3.25	3.64	4.03	3.25	3.64	4.03
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	3.31	3.38	3.31	3.38	3.45	3.31	3.38	3.45
	25	Capacity	3.54	3.91	3.54	3.91	4.28	3.54	3.91	4.28
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	3.91	3.93	3.91	3.93	3.95	3.91	3.93	3.95
	20	Capacity	3.83	4.18	3.83	4.18	4.54	3.83	4.18	4.54
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	4.51	4.48	4.51	4.48	4.45	4.51	4.48	4.45
Rated frequency	46	Capacity	1.84	2.15	1.84	2.15	2.46	1.84	2.15	2.46
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	3.34	3.60	3.34	3.60	3.86	3.34	3.60	3.86
	40	Capacity	2.03	2.33	2.03	2.33	2.63	2.03	2.33	2.63
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	3.88	4.08	3.88	4.08	4.28	3.88	4.08	4.28
	35	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	4.50	4.65	4.50	4.65	4.80	4.50	4.65	4.80
	30	Capacity	2.39	2.68	2.39	2.68	2.96	2.39	2.68	2.96
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	5.19	5.30	5.19	5.30	5.40	5.19	5.30	5.40
	25	Capacity	2.60	2.88	2.60	2.88	3.15	2.60	2.88	3.15
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	6.12	6.16	6.12	6.16	6.19	6.12	6.16	6.19
	20	Capacity	2.81	3.08	2.81	3.08	3.34	2.81	3.08	3.34
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	7.06	7.02	7.06	7.02	6.97	7.06	7.02	6.97
Minimum Frequency	46	Capacity	0.66	0.77	0.66	0.77	0.89	0.66	0.77	0.89
		EER	2.82	3.04	2.82	3.04	3.27	2.82	3.04	3.27
	40	Capacity	0.73	0.84	0.73	0.84	0.95	0.73	0.84	0.95
		EER	3.28	3.45	3.28	3.45	3.62	3.28	3.45	3.62
	35	Capacity	0.80	0.90	0.80	0.90	1.01	0.80	0.90	1.01
		EER	3.81	3.93	3.81	3.93	4.06	3.81	3.93	4.06
	30	Capacity	0.86	0.96	0.86	0.96	1.07	0.86	0.96	1.07
		EER	4.39	4.48	4.39	4.48	4.57	4.39	4.48	4.57
	25	Capacity	0.94	1.04	0.94	1.04	1.13	0.94	1.04	1.13
		EER	5.18	5.20	5.18	5.20	5.23	5.18	5.20	5.23
	20	Capacity	1.01	1.11	1.01	1.11	1.20	1.01	1.11	1.20
		EER	5.97	5.93	5.97	5.93	5.89	5.97	5.93	5.89

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.97	0.73	1.00	0.96	0.73	1.00	1.00	0.93
		EER	4.50	4.65	4.50	4.65	4.80	4.50	4.65	4.80

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-EF35VGW/B/S, MSZ-EF35VGKW/B/S: MUZ-EF35VG, MUZ-EF35VGH

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	3.11	3.35	3.11	3.35	3.60	3.11	3.35	3.60
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	1.92	2.07	1.92	2.07	2.23	1.92	2.07	2.23
	40	Capacity	3.45	3.72	3.45	3.72	3.99	3.45	3.72	3.99
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	2.23	2.35	2.23	2.35	2.47	2.23	2.35	2.47
	35	Capacity	3.61	4.02	3.61	4.02	4.43	3.61	4.02	4.43
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	2.59	2.68	2.59	2.68	2.77	2.59	2.68	2.77
	30	Capacity	3.82	4.28	3.82	4.28	4.74	3.82	4.28	4.74
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	2.99	3.05	2.99	3.05	3.11	2.99	3.05	3.11
	25	Capacity	4.16	4.60	4.16	4.60	5.04	4.16	4.60	5.04
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	3.53	3.55	3.53	3.55	3.56	3.53	3.55	3.56
	20	Capacity	4.50	4.92	4.50	4.92	5.34	4.50	4.92	5.34
		SHF	0.79	0.55	1.00	0.79	0.55	1.00	0.97	0.75
		EER	4.07	4.04	4.07	4.04	4.02	4.07	4.04	4.02
Rated frequency	46	Capacity	2.57	3.01	2.57	3.01	3.45	2.57	3.01	3.45
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	2.78	2.99	2.78	2.99	3.21	2.78	2.99	3.21
	40	Capacity	2.84	3.26	2.84	3.26	3.68	2.84	3.26	3.68
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	3.22	3.39	3.22	3.39	3.56	3.22	3.39	3.56
	35	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	3.74	3.87	3.74	3.87	3.99	3.74	3.87	3.99
	30	Capacity	3.34	3.75	3.34	3.75	4.15	3.34	3.75	4.15
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	4.31	4.40	4.31	4.40	4.49	4.31	4.40	4.49
	25	Capacity	3.64	4.03	3.64	4.03	4.41	3.64	4.03	4.41
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	5.09	5.11	5.09	5.11	5.14	5.09	5.11	5.14
	20	Capacity	3.94	4.31	3.94	4.31	4.67	3.94	4.31	4.67
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	5.86	5.83	5.86	5.83	5.79	5.86	5.83	5.79
Minimum Frequency	46	Capacity	0.81	0.95	0.81	0.95	1.08	0.81	0.95	1.08
		EER	3.78	4.08	3.78	4.08	4.37	3.78	4.08	4.37
	40	Capacity	0.89	1.02	0.89	1.02	1.16	0.89	1.02	1.16
		EER	4.39	4.62	4.39	4.62	4.84	4.39	4.62	4.84
	35	Capacity	0.98	1.11	0.98	1.11	1.23	0.98	1.11	1.23
		EER	5.10	5.26	5.10	5.26	5.43	5.10	5.26	5.43
	30	Capacity	1.05	1.18	1.05	1.18	1.30	1.05	1.18	1.30
		EER	5.87	5.99	5.87	5.99	6.11	5.87	5.99	6.11
	25	Capacity	1.14	1.27	1.14	1.27	1.39	1.14	1.27	1.39
		EER	6.93	6.97	6.93	6.97	7.00	6.93	6.97	7.00
	20	Capacity	1.24	1.35	1.24	1.35	1.47	1.24	1.35	1.47
		EER	7.99	7.94	7.99	7.94	7.89	7.99	7.94	7.89

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.80	0.56	1.00	0.80	0.56	1.00	0.97	0.76
		EER	3.74	3.87	3.74	3.87	3.99	3.74	3.87	3.99

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-EF42VGW/B/S, MSZ-EF42VGKW/B/S: MUZ-EF42VG

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	3.42	3.96	3.42	3.96	4.49	3.42	3.96	4.49
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	1.72	1.85	1.72	1.85	1.99	1.72	1.85	1.99
	40	Capacity	3.73	4.28	3.73	4.28	4.83	3.73	4.28	4.83
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	2.00	2.10	2.00	2.10	2.20	2.00	2.10	2.20
	35	Capacity	4.09	4.62	4.09	4.62	5.15	4.09	4.62	5.15
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	2.32	2.40	2.32	2.40	2.47	2.32	2.40	2.47
	30	Capacity	4.39	4.92	4.39	4.92	5.45	4.39	4.92	5.45
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	2.67	2.73	2.67	2.73	2.78	2.67	2.73	2.78
	25	Capacity	4.78	5.29	4.78	5.29	5.80	4.78	5.29	5.80
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	3.15	3.17	3.15	3.17	3.19	3.15	3.17	3.19
	20	Capacity	5.18	5.66	5.18	5.66	6.14	5.18	5.66	6.14
		SHF	0.71	0.47	0.95	0.71	0.47	1.00	0.91	0.67
		EER	3.63	3.61	3.63	3.61	3.59	3.63	3.61	3.59
Rated frequency	46	Capacity	3.09	3.61	3.09	3.61	4.14	3.09	3.61	4.14
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	2.53	2.72	2.53	2.72	2.92	2.53	2.72	2.92
	40	Capacity	3.40	3.91	3.40	3.91	4.41	3.40	3.91	4.41
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	2.93	3.08	2.93	3.08	3.24	2.93	3.08	3.24
	35	Capacity	3.74	4.22	3.74	4.22	4.70	3.74	4.22	4.70
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	3.41	3.52	3.41	3.52	3.63	3.41	3.52	3.63
	30	Capacity	4.01	4.49	4.01	4.49	4.98	4.01	4.49	4.98
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	3.92	4.00	3.92	4.00	4.09	3.92	4.00	4.09
	25	Capacity	4.37	4.83	4.37	4.83	5.29	4.37	4.83	5.29
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	4.63	4.65	4.63	4.65	4.68	4.63	4.65	4.68
	20	Capacity	4.73	5.17	4.73	5.17	5.61	4.73	5.17	5.61
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	5.34	5.30	5.34	5.30	5.27	5.34	5.30	5.27
Minimum Frequency	46	Capacity	0.66	0.77	0.66	0.77	0.89	0.66	0.77	0.89
		EER	4.33	4.67	4.33	4.67	5.01	4.33	4.67	5.01
	40	Capacity	0.73	0.84	0.73	0.84	0.95	0.73	0.84	0.95
		EER	5.03	5.29	5.03	5.29	5.55	5.03	5.29	5.55
	35	Capacity	0.80	0.90	0.80	0.90	1.01	0.80	0.90	1.01
		EER	5.84	6.03	5.84	6.03	6.22	5.84	6.03	6.22
	30	Capacity	0.86	0.96	0.86	0.96	1.07	0.86	0.96	1.07
		EER	6.73	6.86	6.73	6.86	7.00	6.73	6.86	7.00
	25	Capacity	0.94	1.04	0.94	1.04	1.13	0.94	1.04	1.13
		EER	7.94	7.98	7.94	7.98	8.02	7.94	7.98	8.02
	20	Capacity	1.01	1.11	1.01	1.11	1.20	1.01	1.11	1.20
		EER	9.15	9.09	9.15	9.09	9.04	9.15	9.09	9.04

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	3.74	4.22	3.74	4.22	4.70	3.74	4.22	4.70
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	3.41	3.52	3.41	3.52	3.63	3.41	3.52	3.63

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-EF50VGW/B/S, MSZ-EF50VGKW/B/S: MUZ-EF50VG

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	3.97	4.64	3.97	4.64	5.32	3.97	4.64	5.32
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	1.97	2.12	1.97	2.12	2.28	1.97	2.12	2.28
	40	Capacity	4.37	5.02	4.37	5.02	5.67	4.37	5.02	5.67
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	2.28	2.40	2.28	2.40	2.52	2.28	2.40	2.52
	35	Capacity	4.81	5.43	4.81	5.43	6.05	4.81	5.43	6.05
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	2.65	2.74	2.65	2.74	2.83	2.65	2.74	2.83
	30	Capacity	5.16	5.78	5.16	5.78	6.40	5.16	5.78	6.40
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	3.06	3.12	3.06	3.12	3.18	3.06	3.12	3.18
	25	Capacity	5.62	6.21	5.62	6.21	6.80	5.62	6.21	6.80
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	3.61	3.63	3.61	3.63	3.65	3.61	3.63	3.65
	20	Capacity	6.08	6.64	6.08	6.64	7.21	6.08	6.64	7.21
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	4.16	4.13	4.16	4.13	4.11	4.16	4.13	4.11
Rated frequency	46	Capacity	3.68	4.30	3.68	4.30	4.93	3.68	4.30	4.93
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	2.34	2.53	2.34	2.53	2.71	2.34	2.53	2.71
	40	Capacity	4.05	4.65	4.05	4.65	5.25	4.05	4.65	5.25
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	2.72	2.86	2.72	2.86	3.00	2.72	2.86	3.00
	35	Capacity	4.45	5.03	4.45	5.03	5.60	4.45	5.03	5.60
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	3.16	3.26	3.16	3.26	3.37	3.16	3.26	3.37
	30	Capacity	4.78	5.35	4.78	5.35	5.93	4.78	5.35	5.93
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	3.64	3.71	3.64	3.71	3.79	3.64	3.71	3.79
	25	Capacity	5.20	5.75	5.20	5.75	6.30	5.20	5.75	6.30
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	4.29	4.32	4.29	4.32	4.34	4.29	4.32	4.34
	20	Capacity	5.63	6.15	5.63	6.15	6.68	5.63	6.15	6.68
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	4.95	4.92	4.95	4.92	4.89	4.95	4.92	4.89
Minimum Frequency	46	Capacity	1.03	1.20	1.03	1.20	1.38	1.03	1.20	1.38
		EER	3.37	3.63	3.37	3.63	3.89	3.37	3.63	3.89
	40	Capacity	1.13	1.30	1.13	1.30	1.47	1.13	1.30	1.47
		EER	3.91	4.11	3.91	4.11	4.32	3.91	4.11	4.32
	35	Capacity	1.25	1.41	1.25	1.41	1.57	1.25	1.41	1.57
		EER	4.54	4.69	4.54	4.69	4.84	4.54	4.69	4.84
	30	Capacity	1.34	1.50	1.34	1.50	1.66	1.34	1.50	1.66
		EER	5.23	5.34	5.23	5.34	5.45	5.23	5.34	5.45
	25	Capacity	1.46	1.61	1.46	1.61	1.76	1.46	1.61	1.76
		EER	6.17	6.21	6.17	6.21	6.24	6.17	6.21	6.24
	20	Capacity	1.58	1.72	1.58	1.72	1.87	1.58	1.72	1.87
		EER	7.11	7.07	7.11	7.07	7.03	7.11	7.07	7.03

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	4.45	5.03	4.45	5.03	5.60	4.45	5.03	5.60
		SHF	0.70	0.46	0.94	0.70	0.46	1.00	0.90	0.66
		EER	3.16	3.26	3.16	3.26	3.37	3.16	3.26	3.37

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-BT20VG, MSZ-BT20VGK: MUZ-BT20VG

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.13	2.49	2.13	2.49	2.86	2.13	2.49	2.86
		SHF	0.99	0.75	1.00	0.97	0.75	1.00	1.00	0.95
		EER	2.05	2.21	2.05	2.21	2.37	2.05	2.21	2.37
	40	Capacity	2.35	2.70	2.35	2.70	3.05	2.35	2.70	3.05
		SHF	0.99	0.75	1.00	0.97	0.75	1.00	1.00	0.95
		EER	2.38	2.51	2.38	2.51	2.63	2.38	2.51	2.63
	35	Capacity	2.58	2.91	2.58	2.91	3.25	2.58	2.91	3.25
		SHF	0.99	0.75	1.00	0.97	0.75	1.00	1.00	0.95
		EER	2.77	2.86	2.77	2.86	2.95	2.77	2.86	2.95
	30	Capacity	2.77	3.10	2.77	3.10	3.44	2.77	3.10	3.44
		SHF	0.99	0.75	1.00	0.97	0.75	1.00	1.00	0.95
		EER	3.19	3.25	3.19	3.25	3.32	3.19	3.25	3.32
	25	Capacity	3.02	3.34	3.02	3.34	3.65	3.02	3.34	3.65
		SHF	0.99	0.75	1.00	0.97	0.75	1.00	1.00	0.95
		EER	3.76	3.78	3.76	3.78	3.80	3.76	3.78	3.80
	20	Capacity	3.26	3.57	3.26	3.57	3.87	3.26	3.57	3.87
		SHF	0.99	0.75	1.00	0.97	0.75	1.00	1.00	0.95
		EER	4.33	4.31	4.33	4.31	4.28	4.33	4.31	4.28
Rated frequency	46	Capacity	1.47	1.72	1.47	1.72	1.97	1.47	1.72	1.97
		SHF	0.99	0.75	1.00	0.97	0.75	1.00	1.00	0.95
		EER	3.21	3.46	3.21	3.46	3.71	3.21	3.46	3.71
	40	Capacity	1.62	1.86	1.62	1.86	2.10	1.62	1.86	2.10
		SHF	0.99	0.75	1.00	0.97	0.75	1.00	1.00	0.95
		EER	3.72	3.92	3.72	3.92	4.11	3.72	3.92	4.11
	35	Capacity	1.78	2.01	1.78	2.01	2.24	1.78	2.01	2.24
		SHF	0.99	0.75	1.00	0.97	0.75	1.00	1.00	0.95
		EER	4.32	4.47	4.32	4.47	4.61	4.32	4.47	4.61
	30	Capacity	1.91	2.14	1.91	2.14	2.37	1.91	2.14	2.37
		SHF	0.99	0.75	1.00	0.97	0.75	1.00	1.00	0.95
		EER	4.98	5.09	4.98	5.09	5.19	4.98	5.09	5.19
	25	Capacity	2.08	2.30	2.08	2.30	2.52	2.08	2.30	2.52
		SHF	0.99	0.75	1.00	0.97	0.75	1.00	1.00	0.95
		EER	5.88	5.91	5.88	5.91	5.94	5.88	5.91	5.94
	20	Capacity	2.25	2.46	2.25	2.46	2.67	2.25	2.46	2.67
		SHF	0.99	0.75	1.00	0.97	0.75	1.00	1.00	0.95
		EER	6.78	6.73	6.78	6.73	6.69	6.78	6.73	6.69
Minimum Frequency	46	Capacity	0.37	0.43	0.37	0.43	0.49	0.37	0.43	0.49
		EER	2.41	2.59	2.41	2.59	2.78	2.41	2.59	2.78
	40	Capacity	0.41	0.47	0.41	0.47	0.53	0.41	0.47	0.53
		EER	2.79	2.94	2.79	2.94	3.08	2.79	2.94	3.08
	35	Capacity	0.45	0.50	0.45	0.50	0.56	0.45	0.50	0.56
		EER	3.24	3.35	3.24	3.35	3.46	3.24	3.35	3.46
	30	Capacity	0.48	0.54	0.48	0.54	0.59	0.48	0.54	0.59
		EER	3.74	3.81	3.74	3.81	3.89	3.74	3.81	3.89
	25	Capacity	0.52	0.58	0.52	0.58	0.63	0.52	0.58	0.63
		EER	4.41	4.43	4.41	4.43	4.46	4.41	4.43	4.46
	20	Capacity	0.56	0.62	0.56	0.62	0.67	0.56	0.62	0.67
		EER	5.08	5.05	5.08	5.05	5.02	5.08	5.05	5.02

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	1.78	2.01	1.78	2.01	2.24	1.78	2.01	2.24
		SHF	0.99	0.75	1.00	0.97	0.75	1.00	1.00	0.95
		EER	4.32	4.47	4.32	4.47	4.61	4.32	4.47	4.61

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-BT25VG, MSZ-BT25VGK: MUZ-BT25VG

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.21	2.58	2.21	2.58	2.96	2.21	2.58	2.96
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	2.08	2.24	2.08	2.24	2.41	2.08	2.24	2.41
	40	Capacity	2.43	2.79	2.43	2.79	3.15	2.43	2.79	3.15
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	2.42	2.54	2.42	2.54	2.67	2.42	2.54	2.67
	35	Capacity	2.67	3.02	2.67	3.02	3.36	2.67	3.02	3.36
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	2.81	2.90	2.81	2.90	2.99	2.81	2.90	2.99
	30	Capacity	2.87	3.21	2.87	3.21	3.56	2.87	3.21	3.56
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	3.23	3.30	3.23	3.30	3.37	3.23	3.30	3.37
	25	Capacity	3.12	3.45	3.12	3.45	3.78	3.12	3.45	3.78
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	3.82	3.84	3.82	3.84	3.86	3.82	3.84	3.86
	20	Capacity	3.38	3.69	3.38	3.69	4.01	3.38	3.69	4.01
		SHF	0.74	0.50	0.98	0.74	0.50	1.00	0.94	0.70
		EER	4.40	4.37	4.40	4.37	4.34	4.40	4.37	4.34
Rated frequency	46	Capacity	1.84	2.15	1.84	2.15	2.46	1.84	2.15	2.46
		SHF	0.92	0.68	1.00	0.92	0.68	1.00	1.00	0.88
		EER	2.58	2.78	2.58	2.78	2.98	2.58	2.78	2.98
	40	Capacity	2.03	2.33	2.03	2.33	2.63	2.03	2.33	2.63
		SHF	0.92	0.68	1.00	0.92	0.68	1.00	1.00	0.88
		EER	2.99	3.15	2.99	3.15	3.30	2.99	3.15	3.30
	35	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.92	0.68	1.00	0.92	0.68	1.00	1.00	0.88
		EER	3.47	3.59	3.47	3.59	3.70	3.47	3.59	3.70
	30	Capacity	2.39	2.68	2.39	2.68	2.96	2.39	2.68	2.96
		SHF	0.92	0.68	1.00	0.92	0.68	1.00	1.00	0.88
		EER	4.00	4.09	4.00	4.09	4.17	4.00	4.09	4.17
	25	Capacity	2.60	2.88	2.60	2.88	3.15	2.60	2.88	3.15
		SHF	0.92	0.68	1.00	0.92	0.68	1.00	1.00	0.88
		EER	4.72	4.75	4.72	4.75	4.77	4.72	4.75	4.77
	20	Capacity	2.81	3.08	2.81	3.08	3.34	2.81	3.08	3.34
		SHF	0.92	0.68	1.00	0.92	0.68	1.00	1.00	0.88
		EER	5.44	5.41	5.44	5.41	5.38	5.44	5.41	5.38
Minimum Frequency	46	Capacity	0.37	0.43	0.37	0.43	0.49	0.37	0.43	0.49
		EER	2.41	2.59	2.41	2.59	2.78	2.41	2.59	2.78
	40	Capacity	0.41	0.47	0.41	0.47	0.53	0.41	0.47	0.53
		EER	2.79	2.94	2.79	2.94	3.08	2.79	2.94	3.08
	35	Capacity	0.45	0.50	0.45	0.50	0.56	0.45	0.50	0.56
		EER	3.24	3.35	3.24	3.35	3.46	3.24	3.35	3.46
	30	Capacity	0.48	0.54	0.48	0.54	0.59	0.48	0.54	0.59
		EER	3.74	3.81	3.74	3.81	3.89	3.74	3.81	3.89
	25	Capacity	0.52	0.58	0.52	0.58	0.63	0.52	0.58	0.63
		EER	4.41	4.43	4.41	4.43	4.46	4.41	4.43	4.46
	20	Capacity	0.56	0.62	0.56	0.62	0.67	0.56	0.62	0.67
		EER	5.08	5.05	5.08	5.05	5.02	5.08	5.05	5.02

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	2.23	2.51	2.23	2.51	2.80	2.23	2.51	2.80
		SHF	0.92	0.68	1.00	0.92	0.68	1.00	1.00	0.88
		EER	3.47	3.59	3.47	3.59	3.70	3.47	3.59	3.70

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-BT35VG, MSZ-BT35VGK: MUZ-BT35VG

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	2.57	3.01	2.57	3.01	3.45	2.57	3.01	3.45
		SHF	0.82	0.58	1.00	0.82	0.58	1.00	0.98	0.78
		EER	2.04	2.20	2.04	2.20	2.36	2.04	2.20	2.36
	40	Capacity	2.84	3.26	2.84	3.26	3.68	2.84	3.26	3.68
		SHF	0.82	0.58	1.00	0.82	0.58	1.00	0.98	0.78
		EER	2.36	2.49	2.36	2.49	2.61	2.36	2.49	2.61
	35	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.82	0.58	1.00	0.82	0.58	1.00	0.98	0.78
		EER	2.75	2.84	2.75	2.84	2.93	2.75	2.84	2.93
	30	Capacity	3.34	3.75	3.34	3.75	4.15	3.34	3.75	4.15
		SHF	0.82	0.58	1.00	0.82	0.58	1.00	0.98	0.78
		EER	3.16	3.23	3.16	3.23	3.29	3.16	3.23	3.29
	25	Capacity	3.64	4.03	3.64	4.03	4.41	3.64	4.03	4.41
		SHF	0.82	0.58	1.00	0.82	0.58	1.00	0.98	0.78
		EER	3.73	3.75	3.73	3.75	3.77	3.73	3.75	3.77
	20	Capacity	3.94	4.31	3.94	4.31	4.67	3.94	4.31	4.67
		SHF	0.82	0.58	1.00	0.82	0.58	1.00	0.98	0.78
		EER	4.30	4.28	4.30	4.28	4.25	4.30	4.28	4.25
Rated frequency	46	Capacity	2.57	3.01	2.57	3.01	3.45	2.57	3.01	3.45
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	2.04	2.20	2.04	2.20	2.36	2.04	2.20	2.36
	40	Capacity	2.84	3.26	2.84	3.26	3.68	2.84	3.26	3.68
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	2.36	2.49	2.36	2.49	2.61	2.36	2.49	2.61
	35	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	2.75	2.84	2.75	2.84	2.93	2.75	2.84	2.93
	30	Capacity	3.34	3.75	3.34	3.75	4.15	3.34	3.75	4.15
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	3.16	3.23	3.16	3.23	3.29	3.16	3.23	3.29
	25	Capacity	3.64	4.03	3.64	4.03	4.41	3.64	4.03	4.41
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	3.73	3.75	3.73	3.75	3.77	3.73	3.75	3.77
	20	Capacity	3.94	4.31	3.94	4.31	4.67	3.94	4.31	4.67
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	4.30	4.28	4.30	4.28	4.25	4.30	4.28	4.25
Minimum Frequency	46	Capacity	0.66	0.77	0.66	0.77	0.89	0.66	0.77	0.89
		EER	3.42	3.69	3.42	3.69	3.95	3.42	3.69	3.95
	40	Capacity	0.73	0.84	0.73	0.84	0.95	0.73	0.84	0.95
		EER	3.97	4.17	3.97	4.17	4.38	3.97	4.17	4.38
	35	Capacity	0.80	0.90	0.80	0.90	1.01	0.80	0.90	1.01
		EER	4.61	4.76	4.61	4.76	4.91	4.61	4.76	4.91
	30	Capacity	0.86	0.96	0.86	0.96	1.07	0.86	0.96	1.07
		EER	5.31	5.42	5.31	5.42	5.53	5.31	5.42	5.53
	25	Capacity	0.94	1.04	0.94	1.04	1.13	0.94	1.04	1.13
		EER	6.27	6.30	6.27	6.30	6.33	6.27	6.30	6.33
	20	Capacity	1.01	1.11	1.01	1.11	1.20	1.01	1.11	1.20
		EER	7.22	7.18	7.22	7.18	7.13	7.22	7.18	7.13

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	3.12	3.52	3.12	3.52	3.92	3.12	3.52	3.92
		SHF	0.84	0.60	1.00	0.84	0.60	1.00	0.99	0.80
		EER	2.75	2.84	2.75	2.84	2.93	2.75	2.84	2.93

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

Cooling performance data
MSZ-BT50VG, MSZ-BT50VGK: MUZ-BT50VG

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max frequency	46	Capacity	3.89	4.20	3.89	4.20	4.50	3.89	4.20	4.50
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	1.76	1.90	1.76	1.90	2.04	1.76	1.90	2.04
	40	Capacity	4.31	4.65	4.31	4.65	4.99	4.31	4.65	4.99
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.04	2.15	2.04	2.15	2.26	2.04	2.15	2.26
	35	Capacity	4.51	5.03	4.51	5.03	5.54	4.51	5.03	5.54
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.37	2.45	2.37	2.45	2.53	2.37	2.45	2.53
	30	Capacity	4.78	5.35	4.78	5.35	5.93	4.78	5.35	5.93
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.73	2.79	2.73	2.79	2.85	2.73	2.79	2.85
	25	Capacity	5.20	5.75	5.20	5.75	6.30	5.20	5.75	6.30
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	3.23	3.24	3.23	3.24	3.26	3.23	3.24	3.26
	20	Capacity	5.63	6.15	5.63	6.15	6.68	5.63	6.15	6.68
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	3.72	3.70	3.72	3.70	3.67	3.72	3.70	3.67
Rated frequency	46	Capacity	3.89	4.20	3.89	4.20	4.50	3.89	4.20	4.50
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	1.76	1.90	1.76	1.90	2.04	1.76	1.90	2.04
	40	Capacity	4.31	4.65	4.31	4.65	4.99	4.31	4.65	4.99
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.04	2.15	2.04	2.15	2.26	2.04	2.15	2.26
	35	Capacity	4.51	5.03	4.51	5.03	5.54	4.51	5.03	5.54
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.37	2.45	2.37	2.45	2.53	2.37	2.45	2.53
	30	Capacity	4.78	5.35	4.78	5.35	5.93	4.78	5.35	5.93
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.73	2.79	2.73	2.79	2.85	2.73	2.79	2.85
	25	Capacity	5.20	5.75	5.20	5.75	6.30	5.20	5.75	6.30
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	3.23	3.24	3.23	3.24	3.26	3.23	3.24	3.26
	20	Capacity	5.63	6.15	5.63	6.15	6.68	5.63	6.15	6.68
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	3.72	3.70	3.72	3.70	3.67	3.72	3.70	3.67
Minimum Frequency	46	Capacity	0.96	1.12	0.96	1.12	1.28	0.96	1.12	1.28
		EER	3.13	3.37	3.13	3.37	3.62	3.13	3.37	3.62
	40	Capacity	1.05	1.21	1.05	1.21	1.37	1.05	1.21	1.37
		EER	3.63	3.82	3.63	3.82	4.01	3.63	3.82	4.01
	35	Capacity	1.16	1.31	1.16	1.31	1.46	1.16	1.31	1.46
		EER	4.22	4.35	4.22	4.35	4.49	4.22	4.35	4.49
	30	Capacity	1.24	1.39	1.24	1.39	1.54	1.24	1.39	1.54
		EER	4.86	4.96	4.86	4.96	5.06	4.86	4.96	5.06
	25	Capacity	1.35	1.50	1.35	1.50	1.64	1.35	1.50	1.64
		EER	5.73	5.76	5.73	5.76	5.79	5.73	5.76	5.79
	20	Capacity	1.46	1.60	1.46	1.60	1.74	1.46	1.60	1.74
		EER	6.61	6.57	6.61	6.57	6.53	6.61	6.57	6.53

Cooling performance data (Low ambient Condition)

		INDOOR (°C)								
	Ambient temperature (°C)	DB	21		27			32		
		WB	15	19	15	19	23	15	19	23
Max Frequency	15 | -10	Capacity	4.51	5.03	4.51	5.03	5.54	4.51	5.03	5.54
		SHF	0.73	0.49	0.97	0.73	0.49	1.00	0.93	0.69
		EER	2.37	2.45	2.37	2.45	2.53	2.37	2.45	2.53

* The low ambient condition requires a special control and all the performance is equal to or less than the rated operation.

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-SF25VE3: MUZ-SF25VE, MUZ-SF25VEH

CAPACITY: 2.5 kW SHF: 0.92 INPUT: 600 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.94	2.17	0.74	480	2.81	2.08	0.74	504	2.70	2.00	0.74	528	2.60	1.92	0.74	552
21	20	3.06	1.90	0.62	504	2.94	1.82	0.62	534	2.85	1.77	0.62	546	2.75	1.71	0.62	570
22	18	2.94	2.29	0.78	480	2.81	2.19	0.78	504	2.70	2.11	0.78	528	2.60	2.03	0.78	552
22	20	3.06	2.02	0.66	504	2.94	1.94	0.66	534	2.85	1.88	0.66	546	2.75	1.82	0.66	570
22	22	3.19	1.72	0.54	522	3.08	1.66	0.54	555	3.00	1.62	0.54	570	2.88	1.55	0.54	594
23	18	2.94	2.41	0.82	480	2.81	2.31	0.82	504	2.70	2.21	0.82	528	2.60	2.13	0.82	552
23	20	3.06	2.14	0.70	504	2.94	2.06	0.70	534	2.85	2.00	0.70	546	2.75	1.93	0.70	570
23	22	3.19	1.85	0.58	522	3.08	1.78	0.58	555	3.00	1.74	0.58	570	2.88	1.67	0.58	594
24	18	2.94	2.53	0.86	480	2.81	2.42	0.86	504	2.70	2.32	0.86	528	2.60	2.24	0.86	552
24	20	3.06	2.27	0.74	504	2.94	2.17	0.74	534	2.85	2.11	0.74	546	2.75	2.04	0.74	570
24	22	3.19	1.98	0.62	522	3.08	1.91	0.62	555	3.00	1.86	0.62	570	2.88	1.78	0.62	594
24	24	3.35	1.68	0.50	546	3.23	1.61	0.50	576	3.15	1.58	0.50	594	3.05	1.53	0.50	624
25	18	2.94	2.64	0.90	480	2.81	2.53	0.90	504	2.70	2.43	0.90	528	2.60	2.34	0.90	552
25	20	3.06	2.39	0.78	504	2.94	2.29	0.78	534	2.85	2.22	0.78	546	2.75	2.15	0.78	570
25	22	3.19	2.10	0.66	522	3.08	2.03	0.66	555	3.00	1.98	0.66	570	2.88	1.90	0.66	594
25	24	3.35	1.81	0.54	546	3.23	1.74	0.54	576	3.15	1.70	0.54	594	3.05	1.65	0.54	624
26	18	2.94	2.76	0.94	480	2.81	2.64	0.94	504	2.70	2.54	0.94	528	2.60	2.44	0.94	552
26	20	3.06	2.51	0.82	504	2.94	2.41	0.82	534	2.85	2.34	0.82	546	2.75	2.26	0.82	570
26	22	3.19	2.23	0.70	522	3.08	2.15	0.70	555	3.00	2.10	0.70	570	2.88	2.01	0.70	594
26	24	3.35	1.94	0.58	546	3.23	1.87	0.58	576	3.15	1.83	0.58	594	3.05	1.77	0.58	624
26	26	3.45	1.59	0.46	576	3.35	1.54	0.46	606	3.30	1.52	0.46	624	3.20	1.47	0.46	642
27	18	2.94	2.88	0.98	480	2.81	2.76	0.98	504	2.70	2.65	0.98	528	2.60	2.55	0.98	552
27	20	3.06	2.63	0.86	504	2.94	2.53	0.86	534	2.85	2.45	0.86	546	2.75	2.37	0.86	570
27	22	3.19	2.36	0.74	522	3.08	2.28	0.74	555	3.00	2.22	0.74	570	2.88	2.13	0.74	594
27	24	3.35	2.08	0.62	546	3.23	2.00	0.62	576	3.15	1.95	0.62	594	3.05	1.89	0.62	624
27	26	3.45	1.73	0.50	576	3.35	1.68	0.50	606	3.30	1.65	0.50	624	3.20	1.60	0.50	642
28	18	2.94	2.94	1.00	480	2.81	2.81	1.00	504	2.70	2.70	1.00	528	2.60	2.60	1.00	552
28	20	3.06	2.76	0.90	504	2.94	2.64	0.90	534	2.85	2.57	0.90	546	2.75	2.48	0.90	570
28	22	3.19	2.49	0.78	522	3.08	2.40	0.78	555	3.00	2.34	0.78	570	2.88	2.24	0.78	594
28	24	3.35	2.21	0.66	546	3.23	2.13	0.66	576	3.15	2.08	0.66	594	3.05	2.01	0.66	624
28	26	3.45	1.86	0.54	576	3.35	1.81	0.54	606	3.30	1.78	0.54	624	3.20	1.73	0.54	642
29	18	2.94	2.94	1.00	480	2.81	2.81	1.00	504	2.70	2.70	1.00	528	2.60	2.60	1.00	552
29	20	3.06	2.88	0.94	504	2.94	2.76	0.94	534	2.85	2.68	0.94	546	2.75	2.59	0.94	570
29	22	3.19	2.61	0.82	522	3.08	2.52	0.82	555	3.00	2.46	0.82	570	2.88	2.36	0.82	594
29	24	3.35	2.35	0.70	546	3.23	2.26	0.70	576	3.15	2.21	0.70	594	3.05	2.14	0.70	624
29	26	3.45	2.00	0.58	576	3.35	1.94	0.58	606	3.30	1.91	0.58	624	3.20	1.86	0.58	642
30	18	2.94	2.94	1.00	480	2.81	2.81	1.00	504	2.70	2.70	1.00	528	2.60	2.60	1.00	552
30	20	3.06	3.00	0.98	504	2.94	2.88	0.98	534	2.85	2.79	0.98	546	2.75	2.70	0.98	570
30	22	3.19	2.74	0.86	522	3.08	2.64	0.86	555	3.00	2.58	0.86	570	2.88	2.47	0.86	594
30	24	3.35	2.48	0.74	546	3.23	2.39	0.74	576	3.15	2.33	0.74	594	3.05	2.26	0.74	624
30	26	3.45	2.14	0.62	576	3.35	2.08	0.62	606	3.30	2.05	0.62	624	3.20	1.98	0.62	642
31	18	2.94	2.94	1.00	480	2.81	2.81	1.00	504	2.70	2.70	1.00	528	2.60	2.60	1.00	552
31	20	3.06	3.06	1.00	504	2.94	2.94	1.00	534	2.85	2.85	1.00	546	2.75	2.75	1.00	570
31	22	3.19	2.87	0.90	522	3.08	2.77	0.90	555	3.00	2.70	0.90	570	2.88	2.59	0.90	594
31	24	3.35	2.61	0.78	546	3.23	2.52	0.78	576	3.15	2.46	0.78	594	3.05	2.38	0.78	624
31	26	3.45	2.28	0.66	576	3.35	2.21	0.66	606	3.30	2.18	0.66	624	3.20	2.11	0.66	642
32	18	2.94	2.94	1.00	480	2.81	2.81	1.00	504	2.70	2.70	1.00	528	2.60	2.60	1.00	552
32	20	3.06	3.06	1.00	504	2.94	2.94	1.00	534	2.85	2.85	1.00	546	2.75	2.75	1.00	570
32	22	3.19	3.00	0.94	522	3.08	2.89	0.94	555	3.00	2.82	0.94	570	2.88	2.70	0.94	594
32	24	3.35	2.75	0.82	546	3.23	2.64	0.82	576	3.15	2.58	0.82	594	3.05	2.50	0.82	624
32	26	3.45	2.42	0.70	576	3.35	2.35	0.70	606	3.30	2.31	0.70	624	3.20	2.24	0.70	642

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-SF25VE3: MUZ-SF25VE, MUZ-SF25VEH

CAPACITY: 2.5 kW SHF: 0.92 INPUT: 600 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.45	1.81	0.74	588	2.25	1.67	0.74	624	2.08	1.54	0.74	648
21	20	2.58	1.60	0.62	612	2.40	1.49	0.62	642	2.23	1.38	0.62	678
22	18	2.45	1.91	0.78	588	2.25	1.76	0.78	624	2.08	1.62	0.78	648
22	20	2.58	1.70	0.66	612	2.40	1.58	0.66	642	2.23	1.47	0.66	678
22	22	2.73	1.47	0.54	636	2.55	1.38	0.54	672	2.38	1.28	0.54	696
23	18	2.45	2.01	0.82	588	2.25	1.85	0.82	624	2.08	1.70	0.82	648
23	20	2.58	1.80	0.70	612	2.40	1.68	0.70	642	2.23	1.56	0.70	678
23	22	2.73	1.58	0.58	636	2.55	1.48	0.58	672	2.38	1.38	0.58	696
24	18	2.45	2.11	0.86	588	2.25	1.94	0.86	624	2.08	1.78	0.86	648
24	20	2.58	1.91	0.74	612	2.40	1.78	0.74	642	2.23	1.65	0.74	678
24	22	2.73	1.69	0.62	636	2.55	1.58	0.62	672	2.38	1.47	0.62	696
24	24	2.88	1.44	0.50	660	2.70	1.35	0.50	690	2.55	1.28	0.50	720
25	18	2.45	2.21	0.90	588	2.25	2.03	0.90	624	2.08	1.87	0.9	648
25	20	2.58	2.01	0.78	612	2.40	1.87	0.78	642	2.23	1.74	0.78	678
25	22	2.73	1.80	0.66	636	2.55	1.68	0.66	672	2.38	1.57	0.66	696
25	24	2.88	1.55	0.54	660	2.70	1.46	0.54	690	2.55	1.38	0.54	720
26	18	2.45	2.30	0.94	588	2.25	2.12	0.94	624	2.08	1.95	0.94	648
26	20	2.58	2.11	0.82	612	2.40	1.97	0.82	642	2.23	1.82	0.82	678
26	22	2.73	1.91	0.70	636	2.55	1.79	0.70	672	2.38	1.66	0.70	696
26	24	2.88	1.67	0.58	660	2.70	1.57	0.58	690	2.55	1.48	0.58	720
26	26	3.03	1.39	0.46	684	2.85	1.31	0.46	714	2.68	1.23	0.46	744
27	18	2.45	2.40	0.98	588	2.25	2.21	0.98	624	2.08	2.03	0.98	648
27	20	2.58	2.21	0.86	612	2.40	2.06	0.86	642	2.23	1.91	0.86	678
27	22	2.73	2.02	0.74	636	2.55	1.89	0.74	672	2.38	1.76	0.74	696
27	24	2.88	1.78	0.62	660	2.70	1.67	0.62	690	2.55	1.58	0.62	720
27	26	3.03	1.51	0.50	684	2.85	1.43	0.50	714	2.68	1.34	0.50	744
28	18	2.45	2.45	1.00	588	2.25	2.25	1.00	624	2.08	2.08	1.00	648
28	20	2.58	2.32	0.90	612	2.40	2.16	0.90	642	2.23	2.00	0.90	678
28	22	2.73	2.13	0.78	636	2.55	1.99	0.78	672	2.38	1.85	0.78	696
28	24	2.88	1.90	0.66	660	2.70	1.78	0.66	690	2.55	1.68	0.66	720
28	26	3.03	1.63	0.54	684	2.85	1.54	0.54	714	2.68	1.44	0.54	744
29	18	2.45	2.45	1.00	588	2.25	2.25	1.00	624	2.08	2.08	1.00	648
29	20	2.58	2.42	0.94	612	2.40	2.26	0.94	642	2.23	2.09	0.94	678
29	22	2.73	2.23	0.82	636	2.55	2.09	0.82	672	2.38	1.95	0.82	696
29	24	2.88	2.01	0.70	660	2.70	1.89	0.70	690	2.55	1.79	0.70	720
29	26	3.03	1.75	0.58	684	2.85	1.65	0.58	714	2.68	1.55	0.58	744
30	18	2.45	2.45	1.00	588	2.25	2.25	1.00	624	2.08	2.08	1.00	648
30	20	2.58	2.52	0.98	612	2.40	2.35	0.98	642	2.23	2.18	0.98	678
30	22	2.73	2.34	0.86	636	2.55	2.19	0.86	672	2.38	2.04	0.86	696
30	24	2.88	2.13	0.74	660	2.70	2.00	0.74	690	2.55	1.89	0.74	720
30	26	3.03	1.88	0.62	684	2.85	1.77	0.62	714	2.68	1.66	0.62	744
31	18	2.45	2.45	1.00	588	2.25	2.25	1.00	624	2.08	2.08	1.00	648
31	20	2.58	2.58	1.00	612	2.40	2.40	1.00	642	2.23	2.23	1.00	678
31	22	2.73	2.45	0.90	636	2.55	2.30	0.90	672	2.38	2.14	0.90	696
31	24	2.88	2.24	0.78	660	2.70	2.11	0.78	690	2.55	1.99	0.78	720
31	26	3.03	2.00	0.66	684	2.85	1.88	0.66	714	2.68	1.77	0.66	744
32	18	2.45	2.45	1.00	588	2.25	2.25	1.00	624	2.08	2.08	1.00	648
32	20	2.58	2.58	1.00	612	2.40	2.40	1.00	642	2.23	2.23	1.00	678
32	22	2.73	2.56	0.94	636	2.55	2.40	0.94	672	2.38	2.23	0.94	696
32	24	2.88	2.36	0.82	660	2.70	2.21	0.82	690	2.55	2.09	0.82	720
32	26	3.03	2.12	0.70	684	2.85	2.00	0.70	714	2.68	1.87	0.70	744

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-SF35VE3: MUZ-SF35VE, MUZ-SF35VEH

CAPACITY: 3.5 kW SHF: 0.80 INPUT: 1080 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.11	2.55	0.62	864	3.94	2.44	0.62	907	3.78	2.34	0.62	950	3.64	2.26	0.62	994
21	20	4.29	2.14	0.50	907	4.11	2.06	0.50	961	3.99	2.00	0.50	983	3.85	1.93	0.50	1026
22	18	4.11	2.71	0.66	864	3.94	2.60	0.66	907	3.78	2.49	0.66	950	3.64	2.40	0.66	994
22	20	4.29	2.32	0.54	907	4.11	2.22	0.54	961	3.99	2.15	0.54	983	3.85	2.08	0.54	1026
22	22	4.46	1.87	0.42	940	4.31	1.81	0.42	999	4.20	1.76	0.42	1026	4.03	1.69	0.42	1069
23	18	4.11	2.88	0.70	864	3.94	2.76	0.70	907	3.78	2.65	0.70	950	3.64	2.55	0.70	994
23	20	4.29	2.49	0.58	907	4.11	2.39	0.58	961	3.99	2.31	0.58	983	3.85	2.23	0.58	1026
23	22	4.46	2.05	0.46	940	4.31	1.98	0.46	999	4.20	1.93	0.46	1026	4.03	1.85	0.46	1069
24	18	4.11	3.04	0.74	864	3.94	2.91	0.74	907	3.78	2.80	0.74	950	3.64	2.69	0.74	994
24	20	4.29	2.66	0.62	907	4.11	2.55	0.62	961	3.99	2.47	0.62	983	3.85	2.39	0.62	1026
24	22	4.46	2.23	0.50	940	4.31	2.15	0.50	999	4.20	2.10	0.50	1026	4.03	2.01	0.50	1069
24	24	4.69	1.78	0.38	983	4.52	1.72	0.38	1037	4.41	1.68	0.38	1069	4.27	1.62	0.38	1123
25	18	4.11	3.21	0.78	864	3.94	3.07	0.78	907	3.78	2.95	0.78	950	3.64	2.84	0.78	994
25	20	4.29	2.83	0.66	907	4.11	2.71	0.66	961	3.99	2.63	0.66	983	3.85	2.54	0.66	1026
25	22	4.46	2.41	0.54	940	4.31	2.32	0.54	999	4.20	2.27	0.54	1026	4.03	2.17	0.54	1069
25	24	4.69	1.97	0.42	983	4.52	1.90	0.42	1037	4.41	1.85	0.42	1069	4.27	1.79	0.42	1123
26	18	4.11	3.37	0.82	864	3.94	3.23	0.82	907	3.78	3.10	0.82	950	3.64	2.98	0.82	994
26	20	4.29	3.00	0.70	907	4.11	2.88	0.70	961	3.99	2.79	0.70	983	3.85	2.70	0.70	1026
26	22	4.46	2.59	0.58	940	4.31	2.50	0.58	999	4.20	2.44	0.58	1026	4.03	2.33	0.58	1069
26	24	4.69	2.16	0.46	983	4.52	2.08	0.46	1037	4.41	2.03	0.46	1069	4.27	1.96	0.46	1123
26	26	4.83	1.64	0.34	1037	4.69	1.59	0.34	1091	4.62	1.57	0.34	1123	4.48	1.52	0.34	1156
27	18	4.11	3.54	0.86	864	3.94	3.39	0.86	907	3.78	3.25	0.86	950	3.64	3.13	0.86	994
27	20	4.29	3.17	0.74	907	4.11	3.04	0.74	961	3.99	2.95	0.74	983	3.85	2.85	0.74	1026
27	22	4.46	2.77	0.62	940	4.31	2.67	0.62	999	4.20	2.60	0.62	1026	4.03	2.50	0.62	1069
27	24	4.69	2.35	0.50	983	4.52	2.26	0.50	1037	4.41	2.21	0.50	1069	4.27	2.14	0.50	1123
27	26	4.83	1.84	0.38	1037	4.69	1.78	0.38	1091	4.62	1.76	0.38	1123	4.48	1.70	0.38	1156
28	18	4.11	3.70	0.90	864	3.94	3.54	0.90	907	3.78	3.40	0.90	950	3.64	3.28	0.90	994
28	20	4.29	3.34	0.78	907	4.11	3.21	0.78	961	3.99	3.11	0.78	983	3.85	3.00	0.78	1026
28	22	4.46	2.95	0.66	940	4.31	2.84	0.66	999	4.20	2.77	0.66	1026	4.03	2.66	0.66	1069
28	24	4.69	2.53	0.54	983	4.52	2.44	0.54	1037	4.41	2.38	0.54	1069	4.27	2.31	0.54	1123
28	26	4.83	2.03	0.42	1037	4.69	1.97	0.42	1091	4.62	1.94	0.42	1123	4.48	1.88	0.42	1156
29	18	4.11	3.87	0.94	864	3.94	3.70	0.94	907	3.78	3.55	0.94	950	3.64	3.42	0.94	994
29	20	4.29	3.52	0.82	907	4.11	3.37	0.82	961	3.99	3.27	0.82	983	3.85	3.16	0.82	1026
29	22	4.46	3.12	0.70	940	4.31	3.01	0.70	999	4.20	2.94	0.70	1026	4.03	2.82	0.70	1069
29	24	4.69	2.72	0.58	983	4.52	2.62	0.58	1037	4.41	2.56	0.58	1069	4.27	2.48	0.58	1123
29	26	4.83	2.22	0.46	1037	4.69	2.16	0.46	1091	4.62	2.13	0.46	1123	4.48	2.06	0.46	1156
30	18	4.11	4.03	0.98	864	3.94	3.86	0.98	907	3.78	3.70	0.98	950	3.64	3.57	0.98	994
30	20	4.29	3.69	0.86	907	4.11	3.54	0.86	961	3.99	3.43	0.86	983	3.85	3.31	0.86	1026
30	22	4.46	3.30	0.74	940	4.31	3.19	0.74	999	4.20	3.11	0.74	1026	4.03	2.98	0.74	1069
30	24	4.69	2.91	0.62	983	4.52	2.80	0.62	1037	4.41	2.73	0.62	1069	4.27	2.65	0.62	1123
30	26	4.83	2.42	0.50	1037	4.69	2.35	0.50	1091	4.62	2.31	0.50	1123	4.48	2.24	0.50	1156
31	18	4.11	4.11	1.00	864	3.94	3.94	1.00	907	3.78	3.78	1.00	950	3.64	3.64	1.00	994
31	20	4.29	3.86	0.90	907	4.11	3.70	0.90	961	3.99	3.59	0.90	983	3.85	3.47	0.90	1026
31	22	4.46	3.48	0.78	940	4.31	3.36	0.78	999	4.20	3.28	0.78	1026	4.03	3.14	0.78	1069
31	24	4.69	3.10	0.66	983	4.52	2.98	0.66	1037	4.41	2.91	0.66	1069	4.27	2.82	0.66	1123
31	26	4.83	2.61	0.54	1037	4.69	2.53	0.54	1091	4.62	2.49	0.54	1123	4.48	2.42	0.54	1156
32	18	4.11	4.11	1.00	864	3.94	3.94	1.00	907	3.78	3.78	1.00	950	3.64	3.64	1.00	994
32	20	4.29	4.03	0.94	907	4.11	3.87	0.94	961	3.99	3.75	0.94	983	3.85	3.62	0.94	1026
32	22	4.46	3.66	0.82	940	4.31	3.53	0.82	999	4.20	3.44	0.82	1026	4.03	3.30	0.82	1069
32	24	4.69	3.28	0.70	983	4.52	3.16	0.70	1037	4.41	3.09	0.70	1069	4.27	2.99	0.70	1123
32	26	4.83	2.80	0.58	1037	4.69	2.72	0.58	1091	4.62	2.68	0.58	1123	4.48	2.60	0.58	1156

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-SF35VE3: MUZ-SF35VE, MUZ-SF35VEH

CAPACITY: 3.5 kW SHF: 0.80 INPUT: 1080 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.43	2.13	0.62	1058	3.15	1.95	0.62	1123	2.91	1.80	0.62	1166
21	20	3.61	1.80	0.50	1102	3.36	1.68	0.50	1156	3.12	1.56	0.50	1220
22	18	3.43	2.26	0.66	1058	3.15	2.08	0.66	1123	2.91	1.92	0.66	1166
22	20	3.61	1.95	0.54	1102	3.36	1.81	0.54	1156	3.12	1.68	0.54	1220
22	22	3.82	1.60	0.42	1145	3.57	1.50	0.42	1210	3.33	1.40	0.42	1253
23	18	3.43	2.40	0.70	1058	3.15	2.21	0.70	1123	2.91	2.03	0.70	1166
23	20	3.61	2.09	0.58	1102	3.36	1.95	0.58	1156	3.12	1.81	0.58	1220
23	22	3.82	1.75	0.46	1145	3.57	1.64	0.46	1210	3.33	1.53	0.46	1253
24	18	3.43	2.54	0.74	1058	3.15	2.33	0.74	1123	2.91	2.15	0.74	1166
24	20	3.61	2.24	0.62	1102	3.36	2.08	0.62	1156	3.12	1.93	0.62	1220
24	22	3.82	1.91	0.50	1145	3.57	1.79	0.50	1210	3.33	1.66	0.50	1253
24	24	4.03	1.53	0.38	1188	3.78	1.44	0.38	1242	3.57	1.36	0.38	1296
25	18	3.43	2.68	0.78	1058	3.15	2.46	0.78	1123	2.91	2.27	0.78	1166
25	20	3.61	2.38	0.66	1102	3.36	2.22	0.66	1156	3.12	2.06	0.66	1220
25	22	3.82	2.06	0.54	1145	3.57	1.93	0.54	1210	3.33	1.80	0.54	1253
25	24	4.03	1.69	0.42	1188	3.78	1.59	0.42	1242	3.57	1.50	0.42	1296
26	18	3.43	2.81	0.82	1058	3.15	2.58	0.82	1123	2.91	2.38	0.82	1166
26	20	3.61	2.52	0.70	1102	3.36	2.35	0.70	1156	3.12	2.18	0.70	1220
26	22	3.82	2.21	0.58	1145	3.57	2.07	0.58	1210	3.33	1.93	0.58	1253
26	24	4.03	1.85	0.46	1188	3.78	1.74	0.46	1242	3.57	1.64	0.46	1296
26	26	4.24	1.44	0.34	1231	3.99	1.36	0.34	1285	3.75	1.27	0.34	1339
27	18	3.43	2.95	0.86	1058	3.15	2.71	0.86	1123	2.91	2.50	0.86	1166
27	20	3.61	2.67	0.74	1102	3.36	2.49	0.74	1156	3.12	2.31	0.74	1220
27	22	3.82	2.37	0.62	1145	3.57	2.21	0.62	1210	3.33	2.06	0.62	1253
27	24	4.03	2.01	0.50	1188	3.78	1.89	0.50	1242	3.57	1.79	0.50	1296
27	26	4.24	1.61	0.38	1231	3.99	1.52	0.38	1285	3.75	1.42	0.38	1339
28	18	3.43	3.09	0.90	1058	3.15	2.84	0.90	1123	2.91	2.61	0.90	1166
28	20	3.61	2.81	0.78	1102	3.36	2.62	0.78	1156	3.12	2.43	0.78	1220
28	22	3.82	2.52	0.66	1145	3.57	2.36	0.66	1210	3.33	2.19	0.66	1253
28	24	4.03	2.17	0.54	1188	3.78	2.04	0.54	1242	3.57	1.93	0.54	1296
28	26	4.24	1.78	0.42	1231	3.99	1.68	0.42	1285	3.75	1.57	0.42	1339
29	18	3.43	3.22	0.94	1058	3.15	2.96	0.94	1123	2.91	2.73	0.94	1166
29	20	3.61	2.96	0.82	1102	3.36	2.76	0.82	1156	3.12	2.55	0.82	1220
29	22	3.82	2.67	0.70	1145	3.57	2.50	0.70	1210	3.33	2.33	0.70	1253
29	24	4.03	2.33	0.58	1188	3.78	2.19	0.58	1242	3.57	2.07	0.58	1296
29	26	4.24	1.95	0.46	1231	3.99	1.84	0.46	1285	3.75	1.72	0.46	1339
30	18	3.43	3.36	0.98	1058	3.15	3.09	0.98	1123	2.91	2.85	0.98	1166
30	20	3.61	3.10	0.86	1102	3.36	2.89	0.86	1156	3.12	2.68	0.86	1220
30	22	3.82	2.82	0.74	1145	3.57	2.64	0.74	1210	3.33	2.46	0.74	1253
30	24	4.03	2.50	0.62	1188	3.78	2.34	0.62	1242	3.57	2.21	0.62	1296
30	26	4.24	2.12	0.50	1231	3.99	2.00	0.50	1285	3.75	1.87	0.50	1339
31	18	3.43	3.43	1.00	1058	3.15	3.15	1.00	1123	2.91	2.91	1.00	1166
31	20	3.61	3.24	0.90	1102	3.36	3.02	0.90	1156	3.12	2.80	0.90	1220
31	22	3.82	2.98	0.78	1145	3.57	2.78	0.78	1210	3.33	2.59	0.78	1253
31	24	4.03	2.66	0.66	1188	3.78	2.49	0.66	1242	3.57	2.36	0.66	1296
31	26	4.24	2.29	0.54	1231	3.99	2.15	0.54	1285	3.75	2.02	0.54	1339
32	18	3.43	3.43	1.00	1058	3.15	3.15	1.00	1123	2.91	2.91	1.00	1166
32	20	3.61	3.39	0.94	1102	3.36	3.16	0.94	1156	3.12	2.93	0.94	1220
32	22	3.82	3.13	0.82	1145	3.57	2.93	0.82	1210	3.33	2.73	0.82	1253
32	24	4.03	2.82	0.70	1188	3.78	2.65	0.70	1242	3.57	2.50	0.70	1296
32	26	4.24	2.46	0.58	1231	3.99	2.31	0.58	1285	3.75	2.17	0.58	1339

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-SF42VE3: MUZ-SF42VE, MUZ-SF42VEH

CAPACITY: 4.2 kW SHF: 0.72 INPUT: 1340 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.94	2.66	0.54	1072	4.73	2.55	0.54	1126	4.54	2.45	0.54	1179	4.37	2.36	0.54	1233
21	20	5.15	2.16	0.42	1126	4.94	2.07	0.42	1193	4.79	2.01	0.42	1219	4.62	1.94	0.42	1273
22	18	4.94	2.86	0.58	1072	4.73	2.74	0.58	1126	4.54	2.63	0.58	1179	4.37	2.53	0.58	1233
22	20	5.15	2.37	0.46	1126	4.94	2.27	0.46	1193	4.79	2.20	0.46	1219	4.62	2.13	0.46	1273
22	22	5.36	1.82	0.34	1166	5.17	1.76	0.34	1240	5.04	1.71	0.34	1273	4.83	1.64	0.34	1327
23	18	4.94	3.06	0.62	1072	4.73	2.93	0.62	1126	4.54	2.81	0.62	1179	4.37	2.71	0.62	1233
23	20	5.15	2.57	0.50	1126	4.94	2.47	0.50	1193	4.79	2.39	0.50	1219	4.62	2.31	0.50	1273
23	22	5.36	2.03	0.38	1166	5.17	1.96	0.38	1240	5.04	1.92	0.38	1273	4.83	1.84	0.38	1327
24	18	4.94	3.26	0.66	1072	4.73	3.12	0.66	1126	4.54	2.99	0.66	1179	4.37	2.88	0.66	1233
24	20	5.15	2.78	0.54	1126	4.94	2.66	0.54	1193	4.79	2.59	0.54	1219	4.62	2.49	0.54	1273
24	22	5.36	2.25	0.42	1166	5.17	2.17	0.42	1240	5.04	2.12	0.42	1273	4.83	2.03	0.42	1327
24	24	5.63	1.69	0.30	1219	5.42	1.63	0.30	1286	5.29	1.59	0.30	1327	5.12	1.54	0.30	1394
25	18	4.94	3.45	0.70	1072	4.73	3.31	0.70	1126	4.54	3.18	0.70	1179	4.37	3.06	0.70	1233
25	20	5.15	2.98	0.58	1126	4.94	2.86	0.58	1193	4.79	2.78	0.58	1219	4.62	2.68	0.58	1273
25	22	5.36	2.46	0.46	1166	5.17	2.38	0.46	1240	5.04	2.32	0.46	1273	4.83	2.22	0.46	1327
25	24	5.63	1.91	0.34	1219	5.42	1.84	0.34	1286	5.29	1.80	0.34	1327	5.12	1.74	0.34	1394
26	18	4.94	3.65	0.74	1072	4.73	3.50	0.74	1126	4.54	3.36	0.74	1179	4.37	3.23	0.74	1233
26	20	5.15	3.19	0.62	1126	4.94	3.06	0.62	1193	4.79	2.97	0.62	1219	4.62	2.86	0.62	1273
26	22	5.36	2.68	0.50	1166	5.17	2.58	0.50	1240	5.04	2.52	0.50	1273	4.83	2.42	0.50	1327
26	24	5.63	2.14	0.38	1219	5.42	2.06	0.38	1286	5.29	2.01	0.38	1327	5.12	1.95	0.38	1394
26	26	5.80	1.51	0.26	1286	5.63	1.46	0.26	1353	5.54	1.44	0.26	1394	5.38	1.40	0.26	1434
27	18	4.94	3.85	0.78	1072	4.73	3.69	0.78	1126	4.54	3.54	0.78	1179	4.37	3.41	0.78	1233
27	20	5.15	3.40	0.66	1126	4.94	3.26	0.66	1193	4.79	3.16	0.66	1219	4.62	3.05	0.66	1273
27	22	5.36	2.89	0.54	1166	5.17	2.79	0.54	1240	5.04	2.72	0.54	1273	4.83	2.61	0.54	1327
27	24	5.63	2.36	0.42	1219	5.42	2.28	0.42	1286	5.29	2.22	0.42	1327	5.12	2.15	0.42	1394
27	26	5.80	1.74	0.30	1286	5.63	1.69	0.30	1353	5.54	1.66	0.30	1394	5.38	1.61	0.30	1434
28	18	4.94	4.05	0.82	1072	4.73	3.87	0.82	1126	4.54	3.72	0.82	1179	4.37	3.58	0.82	1233
28	20	5.15	3.60	0.70	1126	4.94	3.45	0.70	1193	4.79	3.35	0.70	1219	4.62	3.23	0.70	1273
28	22	5.36	3.11	0.58	1166	5.17	3.00	0.58	1240	5.04	2.92	0.58	1273	4.83	2.80	0.58	1327
28	24	5.63	2.59	0.46	1219	5.42	2.49	0.46	1286	5.29	2.43	0.46	1327	5.12	2.36	0.46	1394
28	26	5.80	1.97	0.34	1286	5.63	1.91	0.34	1353	5.54	1.88	0.34	1394	5.38	1.83	0.34	1434
29	18	4.94	4.24	0.86	1072	4.73	4.06	0.86	1126	4.54	3.90	0.86	1179	4.37	3.76	0.86	1233
29	20	5.15	3.81	0.74	1126	4.94	3.65	0.74	1193	4.79	3.54	0.74	1219	4.62	3.42	0.74	1273
29	22	5.36	3.32	0.62	1166	5.17	3.20	0.62	1240	5.04	3.12	0.62	1273	4.83	2.99	0.62	1327
29	24	5.63	2.81	0.50	1219	5.42	2.71	0.50	1286	5.29	2.65	0.50	1327	5.12	2.56	0.50	1394
29	26	5.80	2.20	0.38	1286	5.63	2.14	0.38	1353	5.54	2.11	0.38	1394	5.38	2.04	0.38	1434
30	18	4.94	4.44	0.90	1072	4.73	4.25	0.90	1126	4.54	4.08	0.90	1179	4.37	3.93	0.90	1233
30	20	5.15	4.01	0.78	1126	4.94	3.85	0.78	1193	4.79	3.73	0.78	1219	4.62	3.60	0.78	1273
30	22	5.36	3.53	0.66	1166	5.17	3.41	0.66	1240	5.04	3.33	0.66	1273	4.83	3.19	0.66	1327
30	24	5.63	3.04	0.54	1219	5.42	2.93	0.54	1286	5.29	2.86	0.54	1327	5.12	2.77	0.54	1394
30	26	5.80	2.43	0.42	1286	5.63	2.36	0.42	1353	5.54	2.33	0.42	1394	5.38	2.26	0.42	1434
31	18	4.94	4.64	0.94	1072	4.73	4.44	0.94	1126	4.54	4.26	0.94	1179	4.37	4.11	0.94	1233
31	20	5.15	4.22	0.82	1126	4.94	4.05	0.82	1193	4.79	3.93	0.82	1219	4.62	3.79	0.82	1273
31	22	5.36	3.75	0.70	1166	5.17	3.62	0.70	1240	5.04	3.53	0.70	1273	4.83	3.38	0.70	1327
31	24	5.63	3.26	0.58	1219	5.42	3.14	0.58	1286	5.29	3.07	0.58	1327	5.12	2.97	0.58	1394
31	26	5.80	2.67	0.46	1286	5.63	2.59	0.46	1353	5.54	2.55	0.46	1394	5.38	2.47	0.46	1434
32	18	4.94	4.84	0.98	1072	4.73	4.63	0.98	1126	4.54	4.45	0.98	1179	4.37	4.28	0.98	1233
32	20	5.15	4.42	0.86	1126	4.94	4.24	0.86	1193	4.79	4.12	0.86	1219	4.62	3.97	0.86	1273
32	22	5.36	3.96	0.74	1166	5.17	3.82	0.74	1240	5.04	3.73	0.74	1273	4.83	3.57	0.74	1327
32	24	5.63	3.49	0.62	1219	5.42	3.36	0.62	1286	5.29	3.28	0.62	1327	5.12	3.18	0.62	1394
32	26	5.80	2.90	0.50	1286	5.63	2.81	0.50	1353	5.54	2.77	0.50	1394	5.38	2.69	0.50	1434

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-SF42VE3: MUZ-SF42VE, MUZ-SF42VEH

CAPACITY: 4.2 kW SHF: 0.72 INPUT: 1340 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.12	2.22	0.54	1313	3.78	2.04	0.54	1394	3.49	1.88	0.54	1447
21	20	4.33	1.82	0.42	1367	4.03	1.69	0.42	1434	3.74	1.57	0.42	1514
22	18	4.12	2.39	0.58	1313	3.78	2.19	0.58	1394	3.49	2.02	0.58	1447
22	20	4.33	1.99	0.46	1367	4.03	1.85	0.46	1434	3.74	1.72	0.46	1514
22	22	4.58	1.56	0.34	1420	4.28	1.46	0.34	1501	3.99	1.36	0.34	1554
23	18	4.12	2.55	0.62	1313	3.78	2.34	0.62	1394	3.49	2.16	0.62	1447
23	20	4.33	2.16	0.50	1367	4.03	2.02	0.50	1434	3.74	1.87	0.50	1514
23	22	4.58	1.74	0.38	1420	4.28	1.63	0.38	1501	3.99	1.52	0.38	1554
24	18	4.12	2.72	0.66	1313	3.78	2.49	0.66	1394	3.49	2.30	0.66	1447
24	20	4.33	2.34	0.54	1367	4.03	2.18	0.54	1434	3.74	2.02	0.54	1514
24	22	4.58	1.92	0.42	1420	4.28	1.80	0.42	1501	3.99	1.68	0.42	1554
24	24	4.83	1.45	0.30	1474	4.54	1.36	0.30	1541	4.28	1.29	0.30	1608
25	18	4.12	2.88	0.70	1313	3.78	2.65	0.70	1394	3.49	2.44	0.7	1447
25	20	4.33	2.51	0.58	1367	4.03	2.34	0.58	1434	3.74	2.17	0.58	1514
25	22	4.58	2.11	0.46	1420	4.28	1.97	0.46	1501	3.99	1.84	0.46	1554
25	24	4.83	1.64	0.34	1474	4.54	1.54	0.34	1541	4.28	1.46	0.34	1608
26	18	4.12	3.05	0.74	1313	3.78	2.80	0.74	1394	3.49	2.58	0.74	1447
26	20	4.33	2.68	0.62	1367	4.03	2.50	0.62	1434	3.74	2.32	0.62	1514
26	22	4.58	2.29	0.50	1420	4.28	2.14	0.50	1501	3.99	2.00	0.50	1554
26	24	4.83	1.84	0.38	1474	4.54	1.72	0.38	1541	4.28	1.63	0.38	1608
26	26	5.08	1.32	0.26	1528	4.79	1.24	0.26	1595	4.49	1.17	0.26	1662
27	18	4.12	3.21	0.78	1313	3.78	2.95	0.78	1394	3.49	2.72	0.78	1447
27	20	4.33	2.86	0.66	1367	4.03	2.66	0.66	1434	3.74	2.47	0.66	1514
27	22	4.58	2.47	0.54	1420	4.28	2.31	0.54	1501	3.99	2.15	0.54	1554
27	24	4.83	2.03	0.42	1474	4.54	1.91	0.42	1541	4.28	1.80	0.42	1608
27	26	5.08	1.52	0.30	1528	4.79	1.44	0.30	1595	4.49	1.35	0.30	1662
28	18	4.12	3.38	0.82	1313	3.78	3.10	0.82	1394	3.49	2.86	0.82	1447
28	20	4.33	3.03	0.70	1367	4.03	2.82	0.70	1434	3.74	2.62	0.70	1514
28	22	4.58	2.66	0.58	1420	4.28	2.48	0.58	1501	3.99	2.31	0.58	1554
28	24	4.83	2.22	0.46	1474	4.54	2.09	0.46	1541	4.28	1.97	0.46	1608
28	26	5.08	1.73	0.34	1528	4.79	1.63	0.34	1595	4.49	1.53	0.34	1662
29	18	4.12	3.54	0.86	1313	3.78	3.25	0.86	1394	3.49	3.00	0.86	1447
29	20	4.33	3.20	0.74	1367	4.03	2.98	0.74	1434	3.74	2.77	0.74	1514
29	22	4.58	2.84	0.62	1420	4.28	2.66	0.62	1501	3.99	2.47	0.62	1554
29	24	4.83	2.42	0.50	1474	4.54	2.27	0.50	1541	4.28	2.14	0.50	1608
29	26	5.08	1.93	0.38	1528	4.79	1.82	0.38	1595	4.49	1.71	0.38	1662
30	18	4.12	3.70	0.90	1313	3.78	3.40	0.90	1394	3.49	3.14	0.90	1447
30	20	4.33	3.37	0.78	1367	4.03	3.14	0.78	1434	3.74	2.92	0.78	1514
30	22	4.58	3.02	0.66	1420	4.28	2.83	0.66	1501	3.99	2.63	0.66	1554
30	24	4.83	2.61	0.54	1474	4.54	2.45	0.54	1541	4.28	2.31	0.54	1608
30	26	5.08	2.13	0.42	1528	4.79	2.01	0.42	1595	4.49	1.89	0.42	1662
31	18	4.12	3.87	0.94	1313	3.78	3.55	0.94	1394	3.49	3.28	0.94	1447
31	20	4.33	3.55	0.82	1367	4.03	3.31	0.82	1434	3.74	3.07	0.82	1514
31	22	4.58	3.20	0.70	1420	4.28	3.00	0.70	1501	3.99	2.79	0.70	1554
31	24	4.83	2.80	0.58	1474	4.54	2.63	0.58	1541	4.28	2.48	0.58	1608
31	26	5.08	2.34	0.46	1528	4.79	2.20	0.46	1595	4.49	2.07	0.46	1662
32	18	4.12	4.03	0.98	1313	3.78	3.70	0.98	1394	3.49	3.42	0.98	1447
32	20	4.33	3.72	0.86	1367	4.03	3.47	0.86	1434	3.74	3.21	0.86	1514
32	22	4.58	3.39	0.74	1420	4.28	3.17	0.74	1501	3.99	2.95	0.74	1554
32	24	4.83	2.99	0.62	1474	4.54	2.81	0.62	1541	4.28	2.66	0.62	1608
32	26	5.08	2.54	0.50	1528	4.79	2.39	0.50	1595	4.49	2.25	0.50	1662

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-SF50VE3: MUZ-SF50VE, MUZ-SF50VEH

CAPACITY: 5.0 kW SHF: 0.70 INPUT: 1660 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.88	3.06	0.52	1328	5.63	2.93	0.52	1394	5.40	2.81	0.52	1461	5.20	2.70	0.52	1527
21	20	6.13	2.45	0.40	1394	5.88	2.35	0.40	1477	5.70	2.28	0.40	1511	5.50	2.20	0.40	1577
22	18	5.88	3.29	0.56	1328	5.63	3.15	0.56	1394	5.40	3.02	0.56	1461	5.20	2.91	0.56	1527
22	20	6.13	2.70	0.44	1394	5.88	2.59	0.44	1477	5.70	2.51	0.44	1511	5.50	2.42	0.44	1577
22	22	6.38	2.04	0.32	1444	6.15	1.97	0.32	1536	6.00	1.92	0.32	1577	5.75	1.84	0.32	1643
23	18	5.88	3.53	0.60	1328	5.63	3.38	0.60	1394	5.40	3.24	0.60	1461	5.20	3.12	0.60	1527
23	20	6.13	2.94	0.48	1394	5.88	2.82	0.48	1477	5.70	2.74	0.48	1511	5.50	2.64	0.48	1577
23	22	6.38	2.30	0.36	1444	6.15	2.21	0.36	1536	6.00	2.16	0.36	1577	5.75	2.07	0.36	1643
24	18	5.88	3.76	0.64	1328	5.63	3.60	0.64	1394	5.40	3.46	0.64	1461	5.20	3.33	0.64	1527
24	20	6.13	3.19	0.52	1394	5.88	3.06	0.52	1477	5.70	2.96	0.52	1511	5.50	2.86	0.52	1577
24	22	6.38	2.55	0.40	1444	6.15	2.46	0.40	1536	6.00	2.40	0.40	1577	5.75	2.30	0.40	1643
24	24	6.70	1.88	0.28	1511	6.45	1.81	0.28	1594	6.30	1.76	0.28	1643	6.10	1.71	0.28	1726
25	18	5.88	4.00	0.68	1328	5.63	3.83	0.68	1394	5.40	3.67	0.68	1461	5.20	3.54	0.68	1527
25	20	6.13	3.43	0.56	1394	5.88	3.29	0.56	1477	5.70	3.19	0.56	1511	5.50	3.08	0.56	1577
25	22	6.38	2.81	0.44	1444	6.15	2.71	0.44	1536	6.00	2.64	0.44	1577	5.75	2.53	0.44	1643
25	24	6.70	2.14	0.32	1511	6.45	2.06	0.32	1594	6.30	2.02	0.32	1643	6.10	1.95	0.32	1726
26	18	5.88	4.23	0.72	1328	5.63	4.05	0.72	1394	5.40	3.89	0.72	1461	5.20	3.74	0.72	1527
26	20	6.13	3.68	0.60	1394	5.88	3.53	0.60	1477	5.70	3.42	0.60	1511	5.50	3.30	0.60	1577
26	22	6.38	3.06	0.48	1444	6.15	2.95	0.48	1536	6.00	2.88	0.48	1577	5.75	2.76	0.48	1643
26	24	6.70	2.41	0.36	1511	6.45	2.32	0.36	1594	6.30	2.27	0.36	1643	6.10	2.20	0.36	1726
26	26	6.90	1.66	0.24	1594	6.70	1.61	0.24	1677	6.60	1.58	0.24	1726	6.40	1.54	0.24	1776
27	18	5.88	4.47	0.76	1328	5.63	4.28	0.76	1394	5.40	4.10	0.76	1461	5.20	3.95	0.76	1527
27	20	6.13	3.92	0.64	1394	5.88	3.76	0.64	1477	5.70	3.65	0.64	1511	5.50	3.52	0.64	1577
27	22	6.38	3.32	0.52	1444	6.15	3.20	0.52	1536	6.00	3.12	0.52	1577	5.75	2.99	0.52	1643
27	24	6.70	2.68	0.40	1511	6.45	2.58	0.40	1594	6.30	2.52	0.40	1643	6.10	2.44	0.40	1726
27	26	6.90	1.93	0.28	1594	6.70	1.88	0.28	1677	6.60	1.85	0.28	1726	6.40	1.79	0.28	1776
28	18	5.88	4.70	0.80	1328	5.63	4.50	0.80	1394	5.40	4.32	0.80	1461	5.20	4.16	0.80	1527
28	20	6.13	4.17	0.68	1394	5.88	4.00	0.68	1477	5.70	3.88	0.68	1511	5.50	3.74	0.68	1577
28	22	6.38	3.57	0.56	1444	6.15	3.44	0.56	1536	6.00	3.36	0.56	1577	5.75	3.22	0.56	1643
28	24	6.70	2.95	0.44	1511	6.45	2.84	0.44	1594	6.30	2.77	0.44	1643	6.10	2.68	0.44	1726
28	26	6.90	2.21	0.32	1594	6.70	2.14	0.32	1677	6.60	2.11	0.32	1726	6.40	2.05	0.32	1776
29	18	5.88	4.94	0.84	1328	5.63	4.73	0.84	1394	5.40	4.54	0.84	1461	5.20	4.37	0.84	1527
29	20	6.13	4.41	0.72	1394	5.88	4.23	0.72	1477	5.70	4.10	0.72	1511	5.50	3.96	0.72	1577
29	22	6.38	3.83	0.60	1444	6.15	3.69	0.60	1536	6.00	3.60	0.60	1577	5.75	3.45	0.60	1643
29	24	6.70	3.22	0.48	1511	6.45	3.10	0.48	1594	6.30	3.02	0.48	1643	6.10	2.93	0.48	1726
29	26	6.90	2.48	0.36	1594	6.70	2.41	0.36	1677	6.60	2.38	0.36	1726	6.40	2.30	0.36	1776
30	18	5.88	5.17	0.88	1328	5.63	4.95	0.88	1394	5.40	4.75	0.88	1461	5.20	4.58	0.88	1527
30	20	6.13	4.66	0.76	1394	5.88	4.47	0.76	1477	5.70	4.33	0.76	1511	5.50	4.18	0.76	1577
30	22	6.38	4.08	0.64	1444	6.15	3.94	0.64	1536	6.00	3.84	0.64	1577	5.75	3.68	0.64	1643
30	24	6.70	3.48	0.52	1511	6.45	3.35	0.52	1594	6.30	3.28	0.52	1643	6.10	3.17	0.52	1726
30	26	6.90	2.76	0.40	1594	6.70	2.68	0.40	1677	6.60	2.64	0.40	1726	6.40	2.56	0.40	1776
31	18	5.88	5.41	0.92	1328	5.63	5.18	0.92	1394	5.40	4.97	0.92	1461	5.20	4.78	0.92	1527
31	20	6.13	4.90	0.80	1394	5.88	4.70	0.80	1477	5.70	4.56	0.80	1511	5.50	4.40	0.80	1577
31	22	6.38	4.34	0.68	1444	6.15	4.18	0.68	1536	6.00	4.08	0.68	1577	5.75	3.91	0.68	1643
31	24	6.70	3.75	0.56	1511	6.45	3.61	0.56	1594	6.30	3.53	0.56	1643	6.10	3.42	0.56	1726
31	26	6.90	3.04	0.44	1594	6.70	2.95	0.44	1677	6.60	2.90	0.44	1726	6.40	2.82	0.44	1776
32	18	5.88	5.64	0.96	1328	5.63	5.40	0.96	1394	5.40	5.18	0.96	1461	5.20	4.99	0.96	1527
32	20	6.13	5.15	0.84	1394	5.88	4.94	0.84	1477	5.70	4.79	0.84	1511	5.50	4.62	0.84	1577
32	22	6.38	4.59	0.72	1444	6.15	4.43	0.72	1536	6.00	4.32	0.72	1577	5.75	4.14	0.72	1643
32	24	6.70	4.02	0.60	1511	6.45	3.87	0.60	1594	6.30	3.78	0.60	1643	6.10	3.66	0.60	1726
32	26	6.90	3.31	0.48	1594	6.70	3.22	0.48	1677	6.60	3.17	0.48	1726	6.40	3.07	0.48	1776

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-SF50VE3: MUZ-SF50VE, MUZ-SF50VEH

CAPACITY: 5.0 kW SHF: 0.70 INPUT: 1660 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.90	2.55	0.52	1627	4.50	2.34	0.52	1726	4.15	2.16	0.52	1793
21	20	5.15	2.06	0.40	1693	4.80	1.92	0.40	1776	4.45	1.78	0.40	1876
22	18	4.90	2.74	0.56	1627	4.50	2.52	0.56	1726	4.15	2.32	0.56	1793
22	20	5.15	2.27	0.44	1693	4.80	2.11	0.44	1776	4.45	1.96	0.44	1876
22	22	5.45	1.74	0.32	1760	5.10	1.63	0.32	1859	4.75	1.52	0.32	1926
23	18	4.90	2.94	0.60	1627	4.50	2.70	0.60	1726	4.15	2.49	0.60	1793
23	20	5.15	2.47	0.48	1693	4.80	2.30	0.48	1776	4.45	2.14	0.48	1876
23	22	5.45	1.96	0.36	1760	5.10	1.84	0.36	1859	4.75	1.71	0.36	1926
24	18	4.90	3.14	0.64	1627	4.50	2.88	0.64	1726	4.15	2.66	0.64	1793
24	20	5.15	2.68	0.52	1693	4.80	2.50	0.52	1776	4.45	2.31	0.52	1876
24	22	5.45	2.18	0.40	1760	5.10	2.04	0.40	1859	4.75	1.90	0.40	1926
24	24	5.75	1.61	0.28	1826	5.40	1.51	0.28	1909	5.10	1.43	0.28	1992
25	18	4.90	3.33	0.68	1627	4.50	3.06	0.68	1726	4.15	2.82	0.68	1793
25	20	5.15	2.88	0.56	1693	4.80	2.69	0.56	1776	4.45	2.49	0.56	1876
25	22	5.45	2.40	0.44	1760	5.10	2.24	0.44	1859	4.75	2.09	0.44	1926
25	24	5.75	1.84	0.32	1826	5.40	1.73	0.32	1909	5.10	1.63	0.32	1992
26	18	4.90	3.53	0.72	1627	4.50	3.24	0.72	1726	4.15	2.99	0.72	1793
26	20	5.15	3.09	0.60	1693	4.80	2.88	0.60	1776	4.45	2.67	0.60	1876
26	22	5.45	2.62	0.48	1760	5.10	2.45	0.48	1859	4.75	2.28	0.48	1926
26	24	5.75	2.07	0.36	1826	5.40	1.94	0.36	1909	5.10	1.84	0.36	1992
26	26	6.05	1.45	0.24	1892	5.70	1.37	0.24	1975	5.35	1.28	0.24	2058
27	18	4.90	3.72	0.76	1627	4.50	3.42	0.76	1726	4.15	3.15	0.76	1793
27	20	5.15	3.30	0.64	1693	4.80	3.07	0.64	1776	4.45	2.85	0.64	1876
27	22	5.45	2.83	0.52	1760	5.10	2.65	0.52	1859	4.75	2.47	0.52	1926
27	24	5.75	2.30	0.40	1826	5.40	2.16	0.40	1909	5.10	2.04	0.40	1992
27	26	6.05	1.69	0.28	1892	5.70	1.60	0.28	1975	5.35	1.50	0.28	2058
28	18	4.90	3.92	0.80	1627	4.50	3.60	0.80	1726	4.15	3.32	0.80	1793
28	20	5.15	3.50	0.68	1693	4.80	3.26	0.68	1776	4.45	3.03	0.68	1876
28	22	5.45	3.05	0.56	1760	5.10	2.86	0.56	1859	4.75	2.66	0.56	1926
28	24	5.75	2.53	0.44	1826	5.40	2.38	0.44	1909	5.10	2.24	0.44	1992
28	26	6.05	1.94	0.32	1892	5.70	1.82	0.32	1975	5.35	1.71	0.32	2058
29	18	4.90	4.12	0.84	1627	4.50	3.78	0.84	1726	4.15	3.49	0.84	1793
29	20	5.15	3.71	0.72	1693	4.80	3.46	0.72	1776	4.45	3.20	0.72	1876
29	22	5.45	3.27	0.60	1760	5.10	3.06	0.60	1859	4.75	2.85	0.60	1926
29	24	5.75	2.76	0.48	1826	5.40	2.59	0.48	1909	5.10	2.45	0.48	1992
29	26	6.05	2.18	0.36	1892	5.70	2.05	0.36	1975	5.35	1.93	0.36	2058
30	18	4.90	4.31	0.88	1627	4.50	3.96	0.88	1726	4.15	3.65	0.88	1793
30	20	5.15	3.91	0.76	1693	4.80	3.65	0.76	1776	4.45	3.38	0.76	1876
30	22	5.45	3.49	0.64	1760	5.10	3.26	0.64	1859	4.75	3.04	0.64	1926
30	24	5.75	2.99	0.52	1826	5.40	2.81	0.52	1909	5.10	2.65	0.52	1992
30	26	6.05	2.42	0.40	1892	5.70	2.28	0.40	1975	5.35	2.14	0.40	2058
31	18	4.90	4.51	0.92	1627	4.50	4.14	0.92	1726	4.15	3.82	0.92	1793
31	20	5.15	4.12	0.80	1693	4.80	3.84	0.80	1776	4.45	3.56	0.80	1876
31	22	5.45	3.71	0.68	1760	5.10	3.47	0.68	1859	4.75	3.23	0.68	1926
31	24	5.75	3.22	0.56	1826	5.40	3.02	0.56	1909	5.10	2.86	0.56	1992
31	26	6.05	2.66	0.44	1892	5.70	2.51	0.44	1975	5.35	2.35	0.44	2058
32	18	4.90	4.70	0.96	1627	4.50	4.32	0.96	1726	4.15	3.98	0.96	1793
32	20	5.15	4.33	0.84	1693	4.80	4.03	0.84	1776	4.45	3.74	0.84	1876
32	22	5.45	3.92	0.72	1760	5.10	3.67	0.72	1859	4.75	3.42	0.72	1926
32	24	5.75	3.45	0.60	1826	5.40	3.24	0.60	1909	5.10	3.06	0.60	1992
32	26	6.05	2.90	0.48	1892	5.70	2.74	0.48	1975	5.35	2.57	0.48	2058

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-GF60VE2: MUZ-GF60VE

CAPACITY: 6.1 kW SHF: 0.79 INPUT: 1790 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	7.17	4.37	0.61	1432	6.86	4.19	0.61	1504	6.59	4.02	0.61	1575	6.34	3.87	0.61	1647
21	20	7.47	3.66	0.49	1504	7.17	3.51	0.49	1593	6.95	3.41	0.49	1629	6.71	3.29	0.49	1701
22	18	7.17	4.66	0.65	1432	6.86	4.46	0.65	1504	6.59	4.28	0.65	1575	6.34	4.12	0.65	1647
22	20	7.47	3.96	0.53	1504	7.17	3.80	0.53	1593	6.95	3.69	0.53	1629	6.71	3.56	0.53	1701
22	22	7.78	3.19	0.41	1557	7.50	3.08	0.41	1656	7.32	3.00	0.41	1701	7.01	2.88	0.41	1772
23	18	7.17	4.95	0.69	1432	6.86	4.74	0.69	1504	6.59	4.55	0.69	1575	6.34	4.38	0.69	1647
23	20	7.47	4.26	0.57	1504	7.17	4.09	0.57	1593	6.95	3.96	0.57	1629	6.71	3.82	0.57	1701
23	22	7.78	3.50	0.45	1557	7.50	3.38	0.45	1656	7.32	3.29	0.45	1701	7.01	3.16	0.45	1772
24	18	7.17	5.23	0.73	1432	6.86	5.01	0.73	1504	6.59	4.81	0.73	1575	6.34	4.63	0.73	1647
24	20	7.47	4.56	0.61	1504	7.17	4.37	0.61	1593	6.95	4.24	0.61	1629	6.71	4.09	0.61	1701
24	22	7.78	3.81	0.49	1557	7.50	3.68	0.49	1656	7.32	3.59	0.49	1701	7.01	3.44	0.49	1772
24	24	8.17	3.02	0.37	1629	7.87	2.91	0.37	1718	7.69	2.84	0.37	1772	7.44	2.75	0.37	1862
25	18	7.17	5.52	0.77	1432	6.86	5.28	0.77	1504	6.59	5.07	0.77	1575	6.34	4.88	0.77	1647
25	20	7.47	4.86	0.65	1504	7.17	4.66	0.65	1593	6.95	4.52	0.65	1629	6.71	4.36	0.65	1701
25	22	7.78	4.12	0.53	1557	7.50	3.98	0.53	1656	7.32	3.88	0.53	1701	7.01	3.72	0.53	1772
25	24	8.17	3.35	0.41	1629	7.87	3.23	0.41	1718	7.69	3.15	0.41	1772	7.44	3.05	0.41	1862
26	18	7.17	5.81	0.81	1432	6.86	5.56	0.81	1504	6.59	5.34	0.81	1575	6.34	5.14	0.81	1647
26	20	7.47	5.16	0.69	1504	7.17	4.95	0.69	1593	6.95	4.80	0.69	1629	6.71	4.63	0.69	1701
26	22	7.78	4.43	0.57	1557	7.50	4.28	0.57	1656	7.32	4.17	0.57	1701	7.01	4.00	0.57	1772
26	24	8.17	3.68	0.45	1629	7.87	3.54	0.45	1718	7.69	3.46	0.45	1772	7.44	3.35	0.45	1862
26	26	8.42	2.78	0.33	1718	8.17	2.70	0.33	1808	8.05	2.66	0.33	1862	7.81	2.58	0.33	1915
27	18	7.17	6.09	0.85	1432	6.86	5.83	0.85	1504	6.59	5.60	0.85	1575	6.34	5.39	0.85	1647
27	20	7.47	5.45	0.73	1504	7.17	5.23	0.73	1593	6.95	5.08	0.73	1629	6.71	4.90	0.73	1701
27	22	7.78	4.74	0.61	1557	7.50	4.58	0.61	1656	7.32	4.47	0.61	1701	7.01	4.28	0.61	1772
27	24	8.17	4.01	0.49	1629	7.87	3.86	0.49	1718	7.69	3.77	0.49	1772	7.44	3.65	0.49	1862
27	26	8.42	3.11	0.37	1718	8.17	3.02	0.37	1808	8.05	2.98	0.37	1862	7.81	2.89	0.37	1915
28	18	7.17	6.38	0.89	1432	6.86	6.11	0.89	1504	6.59	5.86	0.89	1575	6.34	5.65	0.89	1647
28	20	7.47	5.75	0.77	1504	7.17	5.52	0.77	1593	6.95	5.35	0.77	1629	6.71	5.17	0.77	1701
28	22	7.78	5.06	0.65	1557	7.50	4.88	0.65	1656	7.32	4.76	0.65	1701	7.01	4.56	0.65	1772
28	24	8.17	4.33	0.53	1629	7.87	4.17	0.53	1718	7.69	4.07	0.53	1772	7.44	3.94	0.53	1862
28	26	8.42	3.45	0.41	1718	8.17	3.35	0.41	1808	8.05	3.30	0.41	1862	7.81	3.20	0.41	1915
29	18	7.17	6.67	0.93	1432	6.86	6.38	0.93	1504	6.59	6.13	0.93	1575	6.34	5.90	0.93	1647
29	20	7.47	6.05	0.81	1504	7.17	5.81	0.81	1593	6.95	5.63	0.81	1629	6.71	5.44	0.81	1701
29	22	7.78	5.37	0.69	1557	7.50	5.18	0.69	1656	7.32	5.05	0.69	1701	7.01	4.84	0.69	1772
29	24	8.17	4.66	0.57	1629	7.87	4.49	0.57	1718	7.69	4.38	0.57	1772	7.44	4.24	0.57	1862
29	26	8.42	3.79	0.45	1718	8.17	3.68	0.45	1808	8.05	3.62	0.45	1862	7.81	3.51	0.45	1915
30	18	7.17	6.95	0.97	1432	6.86	6.66	0.97	1504	6.59	6.39	0.97	1575	6.34	6.15	0.97	1647
30	20	7.47	6.35	0.85	1504	7.17	6.09	0.85	1593	6.95	5.91	0.85	1629	6.71	5.70	0.85	1701
30	22	7.78	5.68	0.73	1557	7.50	5.48	0.73	1656	7.32	5.34	0.73	1701	7.01	5.12	0.73	1772
30	24	8.17	4.99	0.61	1629	7.87	4.80	0.61	1718	7.69	4.69	0.61	1772	7.44	4.54	0.61	1862
30	26	8.42	4.12	0.49	1718	8.17	4.01	0.49	1808	8.05	3.95	0.49	1862	7.81	3.83	0.49	1915
31	18	7.17	7.17	1.00	1432	6.86	6.86	1.00	1504	6.59	6.59	1.00	1575	6.34	6.34	1.00	1647
31	20	7.47	6.65	0.89	1504	7.17	6.38	0.89	1593	6.95	6.19	0.89	1629	6.71	5.97	0.89	1701
31	22	7.78	5.99	0.77	1557	7.50	5.78	0.77	1656	7.32	5.64	0.77	1701	7.01	5.40	0.77	1772
31	24	8.17	5.31	0.65	1629	7.87	5.11	0.65	1718	7.69	5.00	0.65	1772	7.44	4.84	0.65	1862
31	26	8.42	4.46	0.53	1718	8.17	4.33	0.53	1808	8.05	4.27	0.53	1862	7.81	4.14	0.53	1915
32	18	7.17	7.17	1.00	1432	6.86	6.86	1.00	1504	6.59	6.59	1.00	1575	6.34	6.34	1.00	1647
32	20	7.47	6.95	0.93	1504	7.17	6.67	0.93	1593	6.95	6.47	0.93	1629	6.71	6.24	0.93	1701
32	22	7.78	6.30	0.81	1557	7.50	6.08	0.81	1656	7.32	5.93	0.81	1701	7.01	5.68	0.81	1772
32	24	8.17	5.64	0.69	1629	7.87	5.43	0.69	1718	7.69	5.30	0.69	1772	7.44	5.13	0.69	1862
32	26	8.42	4.80	0.57	1718	8.17	4.66	0.57	1808	8.05	4.59	0.57	1862	7.81	4.45	0.57	1915

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-GF60VE2: MUZ-GF60VE

CAPACITY: 6.1 kW SHF: 0.79 INPUT: 1790 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.98	3.65	0.61	1754	5.49	3.35	0.61	1862	5.06	3.09	0.61	1933
21	20	6.28	3.08	0.49	1826	5.86	2.87	0.49	1915	5.43	2.66	0.49	2023
22	18	5.98	3.89	0.65	1754	5.49	3.57	0.65	1862	5.06	3.29	0.65	1933
22	20	6.28	3.33	0.53	1826	5.86	3.10	0.53	1915	5.43	2.88	0.53	2023
22	22	6.65	2.73	0.41	1897	6.22	2.55	0.41	2005	5.79	2.38	0.41	2076
23	18	5.98	4.12	0.69	1754	5.49	3.79	0.69	1862	5.06	3.49	0.69	1933
23	20	6.28	3.58	0.57	1826	5.86	3.34	0.57	1915	5.43	3.09	0.57	2023
23	22	6.65	2.99	0.45	1897	6.22	2.80	0.45	2005	5.79	2.61	0.45	2076
24	18	5.98	4.36	0.73	1754	5.49	4.01	0.73	1862	5.06	3.70	0.73	1933
24	20	6.28	3.83	0.61	1826	5.86	3.57	0.61	1915	5.43	3.31	0.61	2023
24	22	6.65	3.26	0.49	1897	6.22	3.05	0.49	2005	5.79	2.84	0.49	2076
24	24	7.01	2.60	0.37	1969	6.59	2.44	0.37	2059	6.22	2.30	0.37	2148
25	18	5.98	4.60	0.77	1754	5.49	4.23	0.77	1862	5.06	3.90	0.77	1933
25	20	6.28	4.08	0.65	1826	5.86	3.81	0.65	1915	5.43	3.53	0.65	2023
25	22	6.65	3.52	0.53	1897	6.22	3.30	0.53	2005	5.79	3.07	0.53	2076
25	24	7.01	2.88	0.41	1969	6.59	2.70	0.41	2059	6.22	2.55	0.41	2148
26	18	5.98	4.84	0.81	1754	5.49	4.45	0.81	1862	5.06	4.10	0.81	1933
26	20	6.28	4.34	0.69	1826	5.86	4.04	0.69	1915	5.43	3.75	0.69	2023
26	22	6.65	3.79	0.57	1897	6.22	3.55	0.57	2005	5.79	3.30	0.57	2076
26	24	7.01	3.16	0.45	1969	6.59	2.96	0.45	2059	6.22	2.80	0.45	2148
26	26	7.38	2.44	0.33	2041	6.95	2.29	0.33	2130	6.53	2.15	0.33	2220
27	18	5.98	5.08	0.85	1754	5.49	4.67	0.85	1862	5.06	4.30	0.85	1933
27	20	6.28	4.59	0.73	1826	5.86	4.27	0.73	1915	5.43	3.96	0.73	2023
27	22	6.65	4.06	0.61	1897	6.22	3.80	0.61	2005	5.79	3.53	0.61	2076
27	24	7.01	3.44	0.49	1969	6.59	3.23	0.49	2059	6.22	3.05	0.49	2148
27	26	7.38	2.73	0.37	2041	6.95	2.57	0.37	2130	6.53	2.41	0.37	2220
28	18	5.98	5.32	0.89	1754	5.49	4.89	0.89	1862	5.06	4.51	0.89	1933
28	20	6.28	4.84	0.77	1826	5.86	4.51	0.77	1915	5.43	4.18	0.77	2023
28	22	6.65	4.32	0.65	1897	6.22	4.04	0.65	2005	5.79	3.77	0.65	2076
28	24	7.01	3.72	0.53	1969	6.59	3.49	0.53	2059	6.22	3.30	0.53	2148
28	26	7.38	3.03	0.41	2041	6.95	2.85	0.41	2130	6.53	2.68	0.41	2220
29	18	5.98	5.56	0.93	1754	5.49	5.11	0.93	1862	5.06	4.71	0.93	1933
29	20	6.28	5.09	0.81	1826	5.86	4.74	0.81	1915	5.43	4.40	0.81	2023
29	22	6.65	4.59	0.69	1897	6.22	4.29	0.69	2005	5.79	4.00	0.69	2076
29	24	7.01	4.00	0.57	1969	6.59	3.76	0.57	2059	6.22	3.55	0.57	2148
29	26	7.38	3.32	0.45	2041	6.95	3.13	0.45	2130	6.53	2.94	0.45	2220
30	18	5.98	5.80	0.97	1754	5.49	5.33	0.97	1862	5.06	4.91	0.97	1933
30	20	6.28	5.34	0.85	1826	5.86	4.98	0.85	1915	5.43	4.61	0.85	2023
30	22	6.65	4.85	0.73	1897	6.22	4.54	0.73	2005	5.79	4.23	0.73	2076
30	24	7.01	4.28	0.61	1969	6.59	4.02	0.61	2059	6.22	3.80	0.61	2148
30	26	7.38	3.62	0.49	2041	6.95	3.41	0.49	2130	6.53	3.20	0.49	2220
31	18	5.98	5.98	1.00	1754	5.49	5.49	1.00	1862	5.06	5.06	1.00	1933
31	20	6.28	5.59	0.89	1826	5.86	5.21	0.89	1915	5.43	4.83	0.89	2023
31	22	6.65	5.12	0.77	1897	6.22	4.79	0.77	2005	5.79	4.46	0.77	2076
31	24	7.01	4.56	0.65	1969	6.59	4.28	0.65	2059	6.22	4.04	0.65	2148
31	26	7.38	3.91	0.53	2041	6.95	3.69	0.53	2130	6.53	3.46	0.53	2220
32	18	5.98	5.98	1.00	1754	5.49	5.49	1.00	1862	5.06	5.06	1.00	1933
32	20	6.28	5.84	0.93	1826	5.86	5.45	0.93	1915	5.43	5.05	0.93	2023
32	22	6.65	5.39	0.81	1897	6.22	5.04	0.81	2005	5.79	4.69	0.81	2076
32	24	7.01	4.84	0.69	1969	6.59	4.55	0.69	2059	6.22	4.29	0.69	2148
32	26	7.38	4.21	0.57	2041	6.95	3.96	0.57	2130	6.53	3.72	0.57	2220

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-GF71VE2: MUZ-GF71VE

CAPACITY: 7.1 kW SHF: 0.78 INPUT: 2130 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8.34	5.01	0.60	1704	7.99	4.79	0.60	1789	7.67	4.60	0.60	1874	7.38	4.43	0.60	1960
21	20	8.70	4.17	0.48	1789	8.34	4.00	0.48	1896	8.09	3.89	0.48	1938	7.81	3.75	0.48	2024
22	18	8.34	5.34	0.64	1704	7.99	5.11	0.64	1789	7.67	4.91	0.64	1874	7.38	4.73	0.64	1960
22	20	8.70	4.52	0.52	1789	8.34	4.34	0.52	1896	8.09	4.21	0.52	1938	7.81	4.06	0.52	2024
22	22	9.05	3.62	0.40	1853	8.73	3.49	0.40	1970	8.52	3.41	0.40	2024	8.17	3.27	0.40	2109
23	18	8.34	5.67	0.68	1704	7.99	5.43	0.68	1789	7.67	5.21	0.68	1874	7.38	5.02	0.68	1960
23	20	8.70	4.87	0.56	1789	8.34	4.67	0.56	1896	8.09	4.53	0.56	1938	7.81	4.37	0.56	2024
23	22	9.05	3.98	0.44	1853	8.73	3.84	0.44	1970	8.52	3.75	0.44	2024	8.17	3.59	0.44	2109
24	18	8.34	6.01	0.72	1704	7.99	5.75	0.72	1789	7.67	5.52	0.72	1874	7.38	5.32	0.72	1960
24	20	8.70	5.22	0.60	1789	8.34	5.01	0.60	1896	8.09	4.86	0.60	1938	7.81	4.69	0.60	2024
24	22	9.05	4.35	0.48	1853	8.73	4.19	0.48	1970	8.52	4.09	0.48	2024	8.17	3.92	0.48	2109
24	24	9.51	3.43	0.36	1938	9.16	3.30	0.36	2045	8.95	3.22	0.36	2109	8.66	3.12	0.36	2215
25	18	8.34	6.34	0.76	1704	7.99	6.07	0.76	1789	7.67	5.83	0.76	1874	7.38	5.61	0.76	1960
25	20	8.70	5.57	0.64	1789	8.34	5.34	0.64	1896	8.09	5.18	0.64	1938	7.81	5.00	0.64	2024
25	22	9.05	4.71	0.52	1853	8.73	4.54	0.52	1970	8.52	4.43	0.52	2024	8.17	4.25	0.52	2109
25	24	9.51	3.81	0.40	1938	9.16	3.66	0.40	2045	8.95	3.58	0.40	2109	8.66	3.46	0.40	2215
26	18	8.34	6.67	0.80	1704	7.99	6.39	0.80	1789	7.67	6.13	0.80	1874	7.38	5.91	0.80	1960
26	20	8.70	5.91	0.68	1789	8.34	5.67	0.68	1896	8.09	5.50	0.68	1938	7.81	5.31	0.68	2024
26	22	9.05	5.07	0.56	1853	8.73	4.89	0.56	1970	8.52	4.77	0.56	2024	8.17	4.57	0.56	2109
26	24	9.51	4.19	0.44	1938	9.16	4.03	0.44	2045	8.95	3.94	0.44	2109	8.66	3.81	0.44	2215
26	26	9.80	3.14	0.32	2045	9.51	3.04	0.32	2151	9.37	3.00	0.32	2215	9.09	2.91	0.32	2279
27	18	8.34	7.01	0.84	1704	7.99	6.71	0.84	1789	7.67	6.44	0.84	1874	7.38	6.20	0.84	1960
27	20	8.70	6.26	0.72	1789	8.34	6.01	0.72	1896	8.09	5.83	0.72	1938	7.81	5.62	0.72	2024
27	22	9.05	5.43	0.60	1853	8.73	5.24	0.60	1970	8.52	5.11	0.60	2024	8.17	4.90	0.60	2109
27	24	9.51	4.57	0.48	1938	9.16	4.40	0.48	2045	8.95	4.29	0.48	2109	8.66	4.16	0.48	2215
27	26	9.80	3.53	0.36	2045	9.51	3.43	0.36	2151	9.37	3.37	0.36	2215	9.09	3.27	0.36	2279
28	18	8.34	7.34	0.88	1704	7.99	7.03	0.88	1789	7.67	6.75	0.88	1874	7.38	6.50	0.88	1960
28	20	8.70	6.61	0.76	1789	8.34	6.34	0.76	1896	8.09	6.15	0.76	1938	7.81	5.94	0.76	2024
28	22	9.05	5.79	0.64	1853	8.73	5.59	0.64	1970	8.52	5.45	0.64	2024	8.17	5.23	0.64	2109
28	24	9.51	4.95	0.52	1938	9.16	4.76	0.52	2045	8.95	4.65	0.52	2109	8.66	4.50	0.52	2215
28	26	9.80	3.92	0.40	2045	9.51	3.81	0.40	2151	9.37	3.75	0.40	2215	9.09	3.64	0.40	2279
29	18	8.34	7.68	0.92	1704	7.99	7.35	0.92	1789	7.67	7.05	0.92	1874	7.38	6.79	0.92	1960
29	20	8.70	6.96	0.80	1789	8.34	6.67	0.80	1896	8.09	6.48	0.80	1938	7.81	6.25	0.80	2024
29	22	9.05	6.16	0.68	1853	8.73	5.94	0.68	1970	8.52	5.79	0.68	2024	8.17	5.55	0.68	2109
29	24	9.51	5.33	0.56	1938	9.16	5.13	0.56	2045	8.95	5.01	0.56	2109	8.66	4.85	0.56	2215
29	26	9.80	4.31	0.44	2045	9.51	4.19	0.44	2151	9.37	4.12	0.44	2215	9.09	4.00	0.44	2279
30	18	8.34	8.01	0.96	1704	7.99	7.67	0.96	1789	7.67	7.36	0.96	1874	7.38	7.09	0.96	1960
30	20	8.70	7.31	0.84	1789	8.34	7.01	0.84	1896	8.09	6.80	0.84	1938	7.81	6.56	0.84	2024
30	22	9.05	6.52	0.72	1853	8.73	6.29	0.72	1970	8.52	6.13	0.72	2024	8.17	5.88	0.72	2109
30	24	9.51	5.71	0.60	1938	9.16	5.50	0.60	2045	8.95	5.37	0.60	2109	8.66	5.20	0.60	2215
30	26	9.80	4.70	0.48	2045	9.51	4.57	0.48	2151	9.37	4.50	0.48	2215	9.09	4.36	0.48	2279
31	18	8.34	8.34	1.00	1704	7.99	7.99	1.00	1789	7.67	7.67	1.00	1874	7.38	7.38	1.00	1960
31	20	8.70	7.65	0.88	1789	8.34	7.34	0.88	1896	8.09	7.12	0.88	1938	7.81	6.87	0.88	2024
31	22	9.05	6.88	0.76	1853	8.73	6.64	0.76	1970	8.52	6.48	0.76	2024	8.17	6.21	0.76	2109
31	24	9.51	6.09	0.64	1938	9.16	5.86	0.64	2045	8.95	5.73	0.64	2109	8.66	5.54	0.64	2215
31	26	9.80	5.09	0.52	2045	9.51	4.95	0.52	2151	9.37	4.87	0.52	2215	9.09	4.73	0.52	2279
32	18	8.34	8.34	1.00	1704	7.99	7.99	1.00	1789	7.67	7.67	1.00	1874	7.38	7.38	1.00	1960
32	20	8.70	8.00	0.92	1789	8.34	7.68	0.92	1896	8.09	7.45	0.92	1938	7.81	7.19	0.92	2024
32	22	9.05	7.24	0.80	1853	8.73	6.99	0.80	1970	8.52	6.82	0.80	2024	8.17	6.53	0.80	2109
32	24	9.51	6.47	0.68	1938	9.16	6.23	0.68	2045	8.95	6.08	0.68	2109	8.66	5.89	0.68	2215
32	26	9.80	5.49	0.56	2045	9.51	5.33	0.56	2151	9.37	5.25	0.56	2215	9.09	5.09	0.56	2279

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-GF71VE2: MUZ-GF71VE

CAPACITY: 7.1 kW SHF: 0.78 INPUT: 2130 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6.96	4.17	0.60	2087	6.39	3.83	0.60	2215	5.89	3.54	0.60	2300
21	20	7.31	3.51	0.48	2173	6.82	3.27	0.48	2279	6.32	3.03	0.48	2407
22	18	6.96	4.45	0.64	2087	6.39	4.09	0.64	2215	5.89	3.77	0.64	2300
22	20	7.31	3.80	0.52	2173	6.82	3.54	0.52	2279	6.32	3.29	0.52	2407
22	22	7.74	3.10	0.40	2258	7.24	2.90	0.40	2386	6.75	2.70	0.40	2471
23	18	6.96	4.73	0.68	2087	6.39	4.35	0.68	2215	5.89	4.01	0.68	2300
23	20	7.31	4.10	0.56	2173	6.82	3.82	0.56	2279	6.32	3.54	0.56	2407
23	22	7.74	3.41	0.44	2258	7.24	3.19	0.44	2386	6.75	2.97	0.44	2471
24	18	6.96	5.01	0.72	2087	6.39	4.60	0.72	2215	5.89	4.24	0.72	2300
24	20	7.31	4.39	0.60	2173	6.82	4.09	0.60	2279	6.32	3.79	0.60	2407
24	22	7.74	3.71	0.48	2258	7.24	3.48	0.48	2386	6.75	3.24	0.48	2471
24	24	8.17	2.94	0.36	2343	7.67	2.76	0.36	2450	7.24	2.61	0.36	2556
25	18	6.96	5.29	0.76	2087	6.39	4.86	0.76	2215	5.89	4.48	0.76	2300
25	20	7.31	4.68	0.64	2173	6.82	4.36	0.64	2279	6.32	4.04	0.64	2407
25	22	7.74	4.02	0.52	2258	7.24	3.77	0.52	2386	6.75	3.51	0.52	2471
25	24	8.17	3.27	0.40	2343	7.67	3.07	0.40	2450	7.24	2.90	0.40	2556
26	18	6.96	5.57	0.80	2087	6.39	5.11	0.80	2215	5.89	4.71	0.80	2300
26	20	7.31	4.97	0.68	2173	6.82	4.63	0.68	2279	6.32	4.30	0.68	2407
26	22	7.74	4.33	0.56	2258	7.24	4.06	0.56	2386	6.75	3.78	0.56	2471
26	24	8.17	3.59	0.44	2343	7.67	3.37	0.44	2450	7.24	3.19	0.44	2556
26	26	8.59	2.75	0.32	2428	8.09	2.59	0.32	2535	7.60	2.43	0.32	2641
27	18	6.96	5.84	0.84	2087	6.39	5.37	0.84	2215	5.89	4.95	0.84	2300
27	20	7.31	5.27	0.72	2173	6.82	4.91	0.72	2279	6.32	4.55	0.72	2407
27	22	7.74	4.64	0.60	2258	7.24	4.35	0.60	2386	6.75	4.05	0.60	2471
27	24	8.17	3.92	0.48	2343	7.67	3.68	0.48	2450	7.24	3.48	0.48	2556
27	26	8.59	3.09	0.36	2428	8.09	2.91	0.36	2535	7.60	2.73	0.36	2641
28	18	6.96	6.12	0.88	2087	6.39	5.62	0.88	2215	5.89	5.19	0.88	2300
28	20	7.31	5.56	0.76	2173	6.82	5.18	0.76	2279	6.32	4.80	0.76	2407
28	22	7.74	4.95	0.64	2258	7.24	4.63	0.64	2386	6.75	4.32	0.64	2471
28	24	8.17	4.25	0.52	2343	7.67	3.99	0.52	2450	7.24	3.77	0.52	2556
28	26	8.59	3.44	0.40	2428	8.09	3.24	0.40	2535	7.60	3.04	0.40	2641
29	18	6.96	6.40	0.92	2087	6.39	5.88	0.92	2215	5.89	5.42	0.92	2300
29	20	7.31	5.85	0.80	2173	6.82	5.45	0.80	2279	6.32	5.06	0.80	2407
29	22	7.74	5.26	0.68	2258	7.24	4.92	0.68	2386	6.75	4.59	0.68	2471
29	24	8.17	4.57	0.56	2343	7.67	4.29	0.56	2450	7.24	4.06	0.56	2556
29	26	8.59	3.78	0.44	2428	8.09	3.56	0.44	2535	7.60	3.34	0.44	2641
30	18	6.96	6.68	0.96	2087	6.39	6.13	0.96	2215	5.89	5.66	0.96	2300
30	20	7.31	6.14	0.84	2173	6.82	5.73	0.84	2279	6.32	5.31	0.84	2407
30	22	7.74	5.57	0.72	2258	7.24	5.21	0.72	2386	6.75	4.86	0.72	2471
30	24	8.17	4.90	0.60	2343	7.67	4.60	0.60	2450	7.24	4.35	0.60	2556
30	26	8.59	4.12	0.48	2428	8.09	3.89	0.48	2535	7.60	3.65	0.48	2641
31	18	6.96	6.96	1.00	2087	6.39	6.39	1.00	2215	5.89	5.89	1.00	2300
31	20	7.31	6.44	0.88	2173	6.82	6.00	0.88	2279	6.32	5.56	0.88	2407
31	22	7.74	5.88	0.76	2258	7.24	5.50	0.76	2386	6.75	5.13	0.76	2471
31	24	8.17	5.23	0.64	2343	7.67	4.91	0.64	2450	7.24	4.63	0.64	2556
31	26	8.59	4.47	0.52	2428	8.09	4.21	0.52	2535	7.60	3.95	0.52	2641
32	18	6.96	6.96	1.00	2087	6.39	6.39	1.00	2215	5.89	5.89	1.00	2300
32	20	7.31	6.73	0.92	2173	6.82	6.27	0.92	2279	6.32	5.81	0.92	2407
32	22	7.74	6.19	0.80	2258	7.24	5.79	0.80	2386	6.75	5.40	0.80	2471
32	24	8.17	5.55	0.68	2343	7.67	5.21	0.68	2450	7.24	4.92	0.68	2556
32	26	8.59	4.81	0.56	2428	8.09	4.53	0.56	2535	7.60	4.25	0.56	2641

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-WN25VA: MUZ-WN25VA

CAPACITY: 2.5 kW SHF: 0.89 INPUT: 710 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.94	2.09	0.71	568	2.81	2.00	0.71	596	2.70	1.92	0.71	625	2.60	1.85	0.71	653
21	20	3.06	1.81	0.59	596	2.94	1.73	0.59	632	2.85	1.68	0.59	646	2.75	1.62	0.59	675
22	18	2.94	2.20	0.75	568	2.81	2.11	0.75	596	2.70	2.03	0.75	625	2.60	1.95	0.75	653
22	20	3.06	1.93	0.63	596	2.94	1.85	0.63	632	2.85	1.80	0.63	646	2.75	1.73	0.63	675
22	22	3.19	1.63	0.51	618	3.08	1.57	0.51	657	3.00	1.53	0.51	675	2.88	1.47	0.51	703
23	18	2.94	2.32	0.79	568	2.81	2.22	0.79	596	2.70	2.13	0.79	625	2.60	2.05	0.79	653
23	20	3.06	2.05	0.67	596	2.94	1.97	0.67	632	2.85	1.91	0.67	646	2.75	1.84	0.67	675
23	22	3.19	1.75	0.55	618	3.08	1.69	0.55	657	3.00	1.65	0.55	675	2.88	1.58	0.55	703
24	18	2.94	2.44	0.83	568	2.81	2.33	0.83	596	2.70	2.24	0.83	625	2.60	2.16	0.83	653
24	20	3.06	2.17	0.71	596	2.94	2.09	0.71	632	2.85	2.02	0.71	646	2.75	1.95	0.71	675
24	22	3.19	1.88	0.59	618	3.08	1.81	0.59	657	3.00	1.77	0.59	675	2.88	1.70	0.59	703
24	24	3.35	1.57	0.47	646	3.23	1.52	0.47	682	3.15	1.48	0.47	703	3.05	1.43	0.47	738
25	18	2.94	2.56	0.87	568	2.81	2.45	0.87	596	2.70	2.35	0.87	625	2.60	2.26	0.87	653
25	20	3.06	2.30	0.75	596	2.94	2.20	0.75	632	2.85	2.14	0.75	646	2.75	2.06	0.75	675
25	22	3.19	2.01	0.63	618	3.08	1.94	0.63	657	3.00	1.89	0.63	675	2.88	1.81	0.63	703
25	24	3.35	1.71	0.51	646	3.23	1.64	0.51	682	3.15	1.61	0.51	703	3.05	1.56	0.51	738
26	18	2.94	2.67	0.91	568	2.81	2.56	0.91	596	2.70	2.46	0.91	625	2.60	2.37	0.91	653
26	20	3.06	2.42	0.79	596	2.94	2.32	0.79	632	2.85	2.25	0.79	646	2.75	2.17	0.79	675
26	22	3.19	2.14	0.67	618	3.08	2.06	0.67	657	3.00	2.01	0.67	675	2.88	1.93	0.67	703
26	24	3.35	1.84	0.55	646	3.23	1.77	0.55	682	3.15	1.73	0.55	703	3.05	1.68	0.55	738
26	26	3.45	1.48	0.43	682	3.35	1.44	0.43	717	3.30	1.42	0.43	738	3.20	1.38	0.43	760
27	18	2.94	2.79	0.95	568	2.81	2.67	0.95	596	2.70	2.57	0.95	625	2.60	2.47	0.95	653
27	20	3.06	2.54	0.83	596	2.94	2.44	0.83	632	2.85	2.37	0.83	646	2.75	2.28	0.83	675
27	22	3.19	2.26	0.71	618	3.08	2.18	0.71	657	3.00	2.13	0.71	675	2.88	2.04	0.71	703
27	24	3.35	1.98	0.59	646	3.23	1.90	0.59	682	3.15	1.86	0.59	703	3.05	1.80	0.59	738
27	26	3.45	1.62	0.47	682	3.35	1.57	0.47	717	3.30	1.55	0.47	738	3.20	1.50	0.47	760
28	18	2.94	2.91	0.99	568	2.81	2.78	0.99	596	2.70	2.67	0.99	625	2.60	2.57	0.99	653
28	20	3.06	2.66	0.87	596	2.94	2.56	0.87	632	2.85	2.48	0.87	646	2.75	2.39	0.87	675
28	22	3.19	2.39	0.75	618	3.08	2.31	0.75	657	3.00	2.25	0.75	675	2.88	2.16	0.75	703
28	24	3.35	2.11	0.63	646	3.23	2.03	0.63	682	3.15	1.98	0.63	703	3.05	1.92	0.63	738
28	26	3.45	1.76	0.51	682	3.35	1.71	0.51	717	3.30	1.68	0.51	738	3.20	1.63	0.51	760
29	18	2.94	2.94	1.00	568	2.81	2.81	1.00	596	2.70	2.70	1.00	625	2.60	2.60	1.00	653
29	20	3.06	2.79	0.91	596	2.94	2.67	0.91	632	2.85	2.59	0.91	646	2.75	2.50	0.91	675
29	22	3.19	2.52	0.79	618	3.08	2.43	0.79	657	3.00	2.37	0.79	675	2.88	2.27	0.79	703
29	24	3.35	2.24	0.67	646	3.23	2.16	0.67	682	3.15	2.11	0.67	703	3.05	2.04	0.67	738
29	26	3.45	1.90	0.55	682	3.35	1.84	0.55	717	3.30	1.82	0.55	738	3.20	1.76	0.55	760
30	18	2.94	2.94	1.00	568	2.81	2.81	1.00	596	2.70	2.70	1.00	625	2.60	2.60	1.00	653
30	20	3.06	2.91	0.95	596	2.94	2.79	0.95	632	2.85	2.71	0.95	646	2.75	2.61	0.95	675
30	22	3.19	2.65	0.83	618	3.08	2.55	0.83	657	3.00	2.49	0.83	675	2.88	2.39	0.83	703
30	24	3.35	2.38	0.71	646	3.23	2.29	0.71	682	3.15	2.24	0.71	703	3.05	2.17	0.71	738
30	26	3.45	2.04	0.59	682	3.35	1.98	0.59	717	3.30	1.95	0.59	738	3.20	1.89	0.59	760
31	18	2.94	2.94	1.00	568	2.81	2.81	1.00	596	2.70	2.70	1.00	625	2.60	2.60	1.00	653
31	20	3.06	3.03	0.99	596	2.94	2.91	0.99	632	2.85	2.82	0.99	646	2.75	2.72	0.99	675
31	22	3.19	2.77	0.87	618	3.08	2.68	0.87	657	3.00	2.61	0.87	675	2.88	2.50	0.87	703
31	24	3.35	2.51	0.75	646	3.23	2.42	0.75	682	3.15	2.36	0.75	703	3.05	2.29	0.75	738
31	26	3.45	2.17	0.63	682	3.35	2.11	0.63	717	3.30	2.08	0.63	738	3.20	2.02	0.63	760
32	18	2.94	2.94	1.00	568	2.81	2.81	1.00	596	2.70	2.70	1.00	625	2.60	2.60	1.00	653
32	20	3.06	3.06	1.00	596	2.94	2.94	1.00	632	2.85	2.85	1.00	646	2.75	2.75	1.00	675
32	22	3.19	2.90	0.91	618	3.08	2.80	0.91	657	3.00	2.73	0.91	675	2.88	2.62	0.91	703
32	24	3.35	2.65	0.79	646	3.23	2.55	0.79	682	3.15	2.49	0.79	703	3.05	2.41	0.79	738
32	26	3.45	2.31	0.67	682	3.35	2.24	0.67	717	3.30	2.21	0.67	738	3.20	2.14	0.67	760

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-WN25VA: MUZ-WN25VA

CAPACITY: 2.5 kW SHF: 0.89 INPUT: 710 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.45	1.74	0.71	696	2.25	1.60	0.71	738	2.08	1.47	0.71	767
21	20	2.58	1.52	0.59	724	2.40	1.42	0.59	760	2.23	1.31	0.59	802
22	18	2.45	1.84	0.75	696	2.25	1.69	0.75	738	2.08	1.56	0.75	767
22	20	2.58	1.62	0.63	724	2.40	1.51	0.63	760	2.23	1.40	0.63	802
22	22	2.73	1.39	0.51	753	2.55	1.30	0.51	795	2.38	1.21	0.51	824
23	18	2.45	1.94	0.79	696	2.25	1.78	0.79	738	2.08	1.64	0.79	767
23	20	2.58	1.73	0.67	724	2.40	1.61	0.67	760	2.23	1.49	0.67	802
23	22	2.73	1.50	0.55	753	2.55	1.40	0.55	795	2.38	1.31	0.55	824
24	18	2.45	2.03	0.83	696	2.25	1.87	0.83	738	2.08	1.72	0.83	767
24	20	2.58	1.83	0.71	724	2.40	1.70	0.71	760	2.23	1.58	0.71	802
24	22	2.73	1.61	0.59	753	2.55	1.50	0.59	795	2.38	1.40	0.59	824
24	24	2.88	1.35	0.47	781	2.70	1.27	0.47	817	2.55	1.20	0.47	852
25	18	2.45	2.13	0.87	696	2.25	1.96	0.87	738	2.08	1.81	0.87	767
25	20	2.58	1.93	0.75	724	2.40	1.80	0.75	760	2.23	1.67	0.75	802
25	22	2.73	1.72	0.63	753	2.55	1.61	0.63	795	2.38	1.50	0.63	824
25	24	2.88	1.47	0.51	781	2.70	1.38	0.51	817	2.55	1.30	0.51	852
26	18	2.45	2.23	0.91	696	2.25	2.05	0.91	738	2.08	1.89	0.91	767
26	20	2.58	2.03	0.79	724	2.40	1.90	0.79	760	2.23	1.76	0.79	802
26	22	2.73	1.83	0.67	753	2.55	1.71	0.67	795	2.38	1.59	0.67	824
26	24	2.88	1.58	0.55	781	2.70	1.49	0.55	817	2.55	1.40	0.55	852
26	26	3.03	1.30	0.43	809	2.85	1.23	0.43	845	2.68	1.15	0.43	880
27	18	2.45	2.33	0.95	696	2.25	2.14	0.95	738	2.08	1.97	0.95	767
27	20	2.58	2.14	0.83	724	2.40	1.99	0.83	760	2.23	1.85	0.83	802
27	22	2.73	1.93	0.71	753	2.55	1.81	0.71	795	2.38	1.69	0.71	824
27	24	2.88	1.70	0.59	781	2.70	1.59	0.59	817	2.55	1.50	0.59	852
27	26	3.03	1.42	0.47	809	2.85	1.34	0.47	845	2.68	1.26	0.47	880
28	18	2.45	2.43	0.99	696	2.25	2.23	0.99	738	2.08	2.05	0.99	767
28	20	2.58	2.24	0.87	724	2.40	2.09	0.87	760	2.23	1.94	0.87	802
28	22	2.73	2.04	0.75	753	2.55	1.91	0.75	795	2.38	1.78	0.75	824
28	24	2.88	1.81	0.63	781	2.70	1.70	0.63	817	2.55	1.61	0.63	852
28	26	3.03	1.54	0.51	809	2.85	1.45	0.51	845	2.68	1.36	0.51	880
29	18	2.45	2.45	1.00	696	2.25	2.25	1.00	738	2.08	2.08	1.00	767
29	20	2.58	2.34	0.91	724	2.40	2.18	0.91	760	2.23	2.02	0.91	802
29	22	2.73	2.15	0.79	753	2.55	2.01	0.79	795	2.38	1.88	0.79	824
29	24	2.88	1.93	0.67	781	2.70	1.81	0.67	817	2.55	1.71	0.67	852
29	26	3.03	1.66	0.55	809	2.85	1.57	0.55	845	2.68	1.47	0.55	880
30	18	2.45	2.45	1.00	696	2.25	2.25	1.00	738	2.08	2.08	1.00	767
30	20	2.58	2.45	0.95	724	2.40	2.28	0.95	760	2.23	2.11	0.95	802
30	22	2.73	2.26	0.83	753	2.55	2.12	0.83	795	2.38	1.97	0.83	824
30	24	2.88	2.04	0.71	781	2.70	1.92	0.71	817	2.55	1.81	0.71	852
30	26	3.03	1.78	0.59	809	2.85	1.68	0.59	845	2.68	1.58	0.59	880
31	18	2.45	2.45	1.00	696	2.25	2.25	1.00	738	2.08	2.08	1.00	767
31	20	2.58	2.55	0.99	724	2.40	2.38	0.99	760	2.23	2.20	0.99	802
31	22	2.73	2.37	0.87	753	2.55	2.22	0.87	795	2.38	2.07	0.87	824
31	24	2.88	2.16	0.75	781	2.70	2.03	0.75	817	2.55	1.91	0.75	852
31	26	3.03	1.91	0.63	809	2.85	1.80	0.63	845	2.68	1.69	0.63	880
32	18	2.45	2.45	1.00	696	2.25	2.25	1.00	738	2.08	2.08	1.00	767
32	20	2.58	2.58	1.00	724	2.40	2.40	1.00	760	2.23	2.23	1.00	802
32	22	2.73	2.48	0.91	753	2.55	2.32	0.91	795	2.38	2.16	0.91	824
32	24	2.88	2.27	0.79	781	2.70	2.13	0.79	817	2.55	2.01	0.79	852
32	26	3.03	2.03	0.67	809	2.85	1.91	0.67	845	2.68	1.79	0.67	880

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-WN35VA: MUZ-WN35VA

CAPACITY: 3.15 kW SHF: 0.87 INPUT: 1020 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.70	2.55	0.69	816	3.54	2.45	0.69	857	3.40	2.35	0.69	898	3.28	2.26	0.69	938
21	20	3.86	2.20	0.57	857	3.70	2.11	0.57	908	3.59	2.05	0.57	928	3.47	1.98	0.57	969
22	18	3.70	2.70	0.73	816	3.54	2.59	0.73	857	3.40	2.48	0.73	898	3.28	2.39	0.73	938
22	20	3.86	2.35	0.61	857	3.70	2.26	0.61	908	3.59	2.19	0.61	928	3.47	2.11	0.61	969
22	22	4.02	1.97	0.49	887	3.87	1.90	0.49	944	3.78	1.85	0.49	969	3.62	1.78	0.49	1010
23	18	3.70	2.85	0.77	816	3.54	2.73	0.77	857	3.40	2.62	0.77	898	3.28	2.52	0.77	938
23	20	3.86	2.51	0.65	857	3.70	2.41	0.65	908	3.59	2.33	0.65	928	3.47	2.25	0.65	969
23	22	4.02	2.13	0.53	887	3.87	2.05	0.53	944	3.78	2.00	0.53	969	3.62	1.92	0.53	1010
24	18	3.70	3.00	0.81	816	3.54	2.87	0.81	857	3.40	2.76	0.81	898	3.28	2.65	0.81	938
24	20	3.86	2.66	0.69	857	3.70	2.55	0.69	908	3.59	2.48	0.69	928	3.47	2.39	0.69	969
24	22	4.02	2.29	0.57	887	3.87	2.21	0.57	944	3.78	2.15	0.57	969	3.62	2.06	0.57	1010
24	24	4.22	1.90	0.45	928	4.06	1.83	0.45	979	3.97	1.79	0.45	1010	3.84	1.73	0.45	1061
25	18	3.70	3.15	0.85	816	3.54	3.01	0.85	857	3.40	2.89	0.85	898	3.28	2.78	0.85	938
25	20	3.86	2.82	0.73	857	3.70	2.70	0.73	908	3.59	2.62	0.73	928	3.47	2.53	0.73	969
25	22	4.02	2.45	0.61	887	3.87	2.36	0.61	944	3.78	2.31	0.61	969	3.62	2.21	0.61	1010
25	24	4.22	2.07	0.49	928	4.06	1.99	0.49	979	3.97	1.94	0.49	1010	3.84	1.88	0.49	1061
26	18	3.70	3.29	0.89	816	3.54	3.15	0.89	857	3.40	3.03	0.89	898	3.28	2.92	0.89	938
26	20	3.86	2.97	0.77	857	3.70	2.85	0.77	908	3.59	2.77	0.77	928	3.47	2.67	0.77	969
26	22	4.02	2.61	0.65	887	3.87	2.52	0.65	944	3.78	2.46	0.65	969	3.62	2.35	0.65	1010
26	24	4.22	2.24	0.53	928	4.06	2.15	0.53	979	3.97	2.10	0.53	1010	3.84	2.04	0.53	1061
26	26	4.35	1.78	0.41	979	4.22	1.73	0.41	1030	4.16	1.70	0.41	1061	4.03	1.65	0.41	1091
27	18	3.70	3.44	0.93	816	3.54	3.30	0.93	857	3.40	3.16	0.93	898	3.28	3.05	0.93	938
27	20	3.86	3.13	0.81	857	3.70	3.00	0.81	908	3.59	2.91	0.81	928	3.47	2.81	0.81	969
27	22	4.02	2.77	0.69	887	3.87	2.67	0.69	944	3.78	2.61	0.69	969	3.62	2.50	0.69	1010
27	24	4.22	2.41	0.57	928	4.06	2.32	0.57	979	3.97	2.26	0.57	1010	3.84	2.19	0.57	1061
27	26	4.35	1.96	0.45	979	4.22	1.90	0.45	1030	4.16	1.87	0.45	1061	4.03	1.81	0.45	1091
28	18	3.70	3.59	0.97	816	3.54	3.44	0.97	857	3.40	3.30	0.97	898	3.28	3.18	0.97	938
28	20	3.86	3.28	0.85	857	3.70	3.15	0.85	908	3.59	3.05	0.85	928	3.47	2.95	0.85	969
28	22	4.02	2.93	0.73	887	3.87	2.83	0.73	944	3.78	2.76	0.73	969	3.62	2.64	0.73	1010
28	24	4.22	2.57	0.61	928	4.06	2.48	0.61	979	3.97	2.42	0.61	1010	3.84	2.34	0.61	1061
28	26	4.35	2.13	0.49	979	4.22	2.07	0.49	1030	4.16	2.04	0.49	1061	4.03	1.98	0.49	1091
29	18	3.70	3.70	1.00	816	3.54	3.54	1.00	857	3.40	3.40	1.00	898	3.28	3.28	1.00	938
29	20	3.86	3.43	0.89	857	3.70	3.29	0.89	908	3.59	3.20	0.89	928	3.47	3.08	0.89	969
29	22	4.02	3.09	0.77	887	3.87	2.98	0.77	944	3.78	2.91	0.77	969	3.62	2.79	0.77	1010
29	24	4.22	2.74	0.65	928	4.06	2.64	0.65	979	3.97	2.58	0.65	1010	3.84	2.50	0.65	1061
29	26	4.35	2.30	0.53	979	4.22	2.24	0.53	1030	4.16	2.20	0.53	1061	4.03	2.14	0.53	1091
30	18	3.70	3.70	1.00	816	3.54	3.54	1.00	857	3.40	3.40	1.00	898	3.28	3.28	1.00	938
30	20	3.86	3.59	0.93	857	3.70	3.44	0.93	908	3.59	3.34	0.93	928	3.47	3.22	0.93	969
30	22	4.02	3.25	0.81	887	3.87	3.14	0.81	944	3.78	3.06	0.81	969	3.62	2.93	0.81	1010
30	24	4.22	2.91	0.69	928	4.06	2.80	0.69	979	3.97	2.74	0.69	1010	3.84	2.65	0.69	1061
30	26	4.35	2.48	0.57	979	4.22	2.41	0.57	1030	4.16	2.37	0.57	1061	4.03	2.30	0.57	1091
31	18	3.70	3.70	1.00	816	3.54	3.54	1.00	857	3.40	3.40	1.00	898	3.28	3.28	1.00	938
31	20	3.86	3.74	0.97	857	3.70	3.59	0.97	908	3.59	3.48	0.97	928	3.47	3.36	0.97	969
31	22	4.02	3.41	0.85	887	3.87	3.29	0.85	944	3.78	3.21	0.85	969	3.62	3.08	0.85	1010
31	24	4.22	3.08	0.73	928	4.06	2.97	0.73	979	3.97	2.90	0.73	1010	3.84	2.81	0.73	1061
31	26	4.35	2.65	0.61	979	4.22	2.57	0.61	1030	4.16	2.54	0.61	1061	4.03	2.46	0.61	1091
32	18	3.70	3.70	1.00	816	3.54	3.54	1.00	857	3.40	3.40	1.00	898	3.28	3.28	1.00	938
32	20	3.86	3.86	1.00	857	3.70	3.70	1.00	908	3.59	3.59	1.00	928	3.47	3.47	1.00	969
32	22	4.02	3.57	0.89	887	3.87	3.45	0.89	944	3.78	3.36	0.89	969	3.62	3.22	0.89	1010
32	24	4.22	3.25	0.77	928	4.06	3.13	0.77	979	3.97	3.06	0.77	1010	3.84	2.96	0.77	1061
32	26	4.35	2.83	0.65	979	4.22	2.74	0.65	1030	4.16	2.70	0.65	1061	4.03	2.62	0.65	1091

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-WN35VA: MUZ-WN35VA

CAPACITY: 3.15 kW SHF: 0.87 INPUT: 1020 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.09	2.13	0.69	1000	2.84	1.96	0.69	1061	2.61	1.80	0.69	1102
21	20	3.24	1.85	0.57	1040	3.02	1.72	0.57	1091	2.80	1.60	0.57	1153
22	18	3.09	2.25	0.73	1000	2.84	2.07	0.73	1061	2.61	1.91	0.73	1102
22	20	3.24	1.98	0.61	1040	3.02	1.84	0.61	1091	2.80	1.71	0.61	1153
22	22	3.43	1.68	0.49	1081	3.21	1.57	0.49	1142	2.99	1.47	0.49	1183
23	18	3.09	2.38	0.77	1000	2.84	2.18	0.77	1061	2.61	2.01	0.77	1102
23	20	3.24	2.11	0.65	1040	3.02	1.97	0.65	1091	2.80	1.82	0.65	1153
23	22	3.43	1.82	0.53	1081	3.21	1.70	0.53	1142	2.99	1.59	0.53	1183
24	18	3.09	2.50	0.81	1000	2.84	2.30	0.81	1061	2.61	2.12	0.81	1102
24	20	3.24	2.24	0.69	1040	3.02	2.09	0.69	1091	2.80	1.93	0.69	1153
24	22	3.43	1.96	0.57	1081	3.21	1.83	0.57	1142	2.99	1.71	0.57	1183
24	24	3.62	1.63	0.45	1122	3.40	1.53	0.45	1173	3.21	1.45	0.45	1224
25	18	3.09	2.62	0.85	1000	2.84	2.41	0.85	1061	2.61	2.22	0.85	1102
25	20	3.24	2.37	0.73	1040	3.02	2.21	0.73	1091	2.80	2.05	0.73	1153
25	22	3.43	2.09	0.61	1081	3.21	1.96	0.61	1142	2.99	1.83	0.61	1183
25	24	3.62	1.78	0.49	1122	3.40	1.67	0.49	1173	3.21	1.57	0.49	1224
26	18	3.09	2.75	0.89	1000	2.84	2.52	0.89	1061	2.61	2.33	0.89	1102
26	20	3.24	2.50	0.77	1040	3.02	2.33	0.77	1091	2.80	2.16	0.77	1153
26	22	3.43	2.23	0.65	1081	3.21	2.09	0.65	1142	2.99	1.95	0.65	1183
26	24	3.62	1.92	0.53	1122	3.40	1.80	0.53	1173	3.21	1.70	0.53	1224
26	26	3.81	1.56	0.41	1163	3.59	1.47	0.41	1214	3.37	1.38	0.41	1265
27	18	3.09	2.87	0.93	1000	2.84	2.64	0.93	1061	2.61	2.43	0.93	1102
27	20	3.24	2.63	0.81	1040	3.02	2.45	0.81	1091	2.80	2.27	0.81	1153
27	22	3.43	2.37	0.69	1081	3.21	2.22	0.69	1142	2.99	2.06	0.69	1183
27	24	3.62	2.06	0.57	1122	3.40	1.94	0.57	1173	3.21	1.83	0.57	1224
27	26	3.81	1.72	0.45	1163	3.59	1.62	0.45	1214	3.37	1.52	0.45	1265
28	18	3.09	2.99	0.97	1000	2.84	2.75	0.97	1061	2.61	2.54	0.97	1102
28	20	3.24	2.76	0.85	1040	3.02	2.57	0.85	1091	2.80	2.38	0.85	1153
28	22	3.43	2.51	0.73	1081	3.21	2.35	0.73	1142	2.99	2.18	0.73	1183
28	24	3.62	2.21	0.61	1122	3.40	2.08	0.61	1173	3.21	1.96	0.61	1224
28	26	3.81	1.87	0.49	1163	3.59	1.76	0.49	1214	3.37	1.65	0.49	1265
29	18	3.09	3.09	1.00	1000	2.84	2.84	1.00	1061	2.61	2.61	1.00	1102
29	20	3.24	2.89	0.89	1040	3.02	2.69	0.89	1091	2.80	2.50	0.89	1153
29	22	3.43	2.64	0.77	1081	3.21	2.47	0.77	1142	2.99	2.30	0.77	1183
29	24	3.62	2.35	0.65	1122	3.40	2.21	0.65	1173	3.21	2.09	0.65	1224
29	26	3.81	2.02	0.53	1163	3.59	1.90	0.53	1214	3.37	1.79	0.53	1265
30	18	3.09	3.09	1.00	1000	2.84	2.84	1.00	1061	2.61	2.61	1.00	1102
30	20	3.24	3.02	0.93	1040	3.02	2.81	0.93	1091	2.80	2.61	0.93	1153
30	22	3.43	2.78	0.81	1081	3.21	2.60	0.81	1142	2.99	2.42	0.81	1183
30	24	3.62	2.50	0.69	1122	3.40	2.35	0.69	1173	3.21	2.22	0.69	1224
30	26	3.81	2.17	0.57	1163	3.59	2.05	0.57	1214	3.37	1.92	0.57	1265
31	18	3.09	3.09	1.00	1000	2.84	2.84	1.00	1061	2.61	2.61	1.00	1102
31	20	3.24	3.15	0.97	1040	3.02	2.93	0.97	1091	2.80	2.72	0.97	1153
31	22	3.43	2.92	0.85	1081	3.21	2.73	0.85	1142	2.99	2.54	0.85	1183
31	24	3.62	2.64	0.73	1122	3.40	2.48	0.73	1173	3.21	2.35	0.73	1224
31	26	3.81	2.33	0.61	1163	3.59	2.19	0.61	1214	3.37	2.06	0.61	1265
32	18	3.09	3.09	1.00	1000	2.84	2.84	1.00	1061	2.61	2.61	1.00	1102
32	20	3.24	3.24	1.00	1040	3.02	3.02	1.00	1091	2.80	2.80	1.00	1153
32	22	3.43	3.06	0.89	1081	3.21	2.86	0.89	1142	2.99	2.66	0.89	1183
32	24	3.62	2.79	0.77	1122	3.40	2.62	0.77	1173	3.21	2.47	0.77	1224
32	26	3.81	2.48	0.65	1163	3.59	2.33	0.65	1214	3.37	2.19	0.65	1265

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-DM25VA: MUZ-DM25VA

CAPACITY: 2.5 kW SHF: 0.89 INPUT: 710 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.94	2.09	0.71	568	2.81	2.00	0.71	596	2.70	1.92	0.71	625	2.60	1.85	0.71	653
21	20	3.06	1.81	0.59	596	2.94	1.73	0.59	632	2.85	1.68	0.59	646	2.75	1.62	0.59	675
22	18	2.94	2.20	0.75	568	2.81	2.11	0.75	596	2.70	2.03	0.75	625	2.60	1.95	0.75	653
22	20	3.06	1.93	0.63	596	2.94	1.85	0.63	632	2.85	1.80	0.63	646	2.75	1.73	0.63	675
22	22	3.19	1.63	0.51	618	3.08	1.57	0.51	657	3.00	1.53	0.51	675	2.88	1.47	0.51	703
23	18	2.94	2.32	0.79	568	2.81	2.22	0.79	596	2.70	2.13	0.79	625	2.60	2.05	0.79	653
23	20	3.06	2.05	0.67	596	2.94	1.97	0.67	632	2.85	1.91	0.67	646	2.75	1.84	0.67	675
23	22	3.19	1.75	0.55	618	3.08	1.69	0.55	657	3.00	1.65	0.55	675	2.88	1.58	0.55	703
24	18	2.94	2.44	0.83	568	2.81	2.33	0.83	596	2.70	2.24	0.83	625	2.60	2.16	0.83	653
24	20	3.06	2.17	0.71	596	2.94	2.09	0.71	632	2.85	2.02	0.71	646	2.75	1.95	0.71	675
24	22	3.19	1.88	0.59	618	3.08	1.81	0.59	657	3.00	1.77	0.59	675	2.88	1.70	0.59	703
24	24	3.35	1.57	0.47	646	3.23	1.52	0.47	682	3.15	1.48	0.47	703	3.05	1.43	0.47	738
25	18	2.94	2.56	0.87	568	2.81	2.45	0.87	596	2.70	2.35	0.87	625	2.60	2.26	0.87	653
25	20	3.06	2.30	0.75	596	2.94	2.20	0.75	632	2.85	2.14	0.75	646	2.75	2.06	0.75	675
25	22	3.19	2.01	0.63	618	3.08	1.94	0.63	657	3.00	1.89	0.63	675	2.88	1.81	0.63	703
25	24	3.35	1.71	0.51	646	3.23	1.64	0.51	682	3.15	1.61	0.51	703	3.05	1.56	0.51	738
26	18	2.94	2.67	0.91	568	2.81	2.56	0.91	596	2.70	2.46	0.91	625	2.60	2.37	0.91	653
26	20	3.06	2.42	0.79	596	2.94	2.32	0.79	632	2.85	2.25	0.79	646	2.75	2.17	0.79	675
26	22	3.19	2.14	0.67	618	3.08	2.06	0.67	657	3.00	2.01	0.67	675	2.88	1.93	0.67	703
26	24	3.35	1.84	0.55	646	3.23	1.77	0.55	682	3.15	1.73	0.55	703	3.05	1.68	0.55	738
26	26	3.45	1.48	0.43	682	3.35	1.44	0.43	717	3.30	1.42	0.43	738	3.20	1.38	0.43	760
27	18	2.94	2.79	0.95	568	2.81	2.67	0.95	596	2.70	2.57	0.95	625	2.60	2.47	0.95	653
27	20	3.06	2.54	0.83	596	2.94	2.44	0.83	632	2.85	2.37	0.83	646	2.75	2.28	0.83	675
27	22	3.19	2.26	0.71	618	3.08	2.18	0.71	657	3.00	2.13	0.71	675	2.88	2.04	0.71	703
27	24	3.35	1.98	0.59	646	3.23	1.90	0.59	682	3.15	1.86	0.59	703	3.05	1.80	0.59	738
27	26	3.45	1.62	0.47	682	3.35	1.57	0.47	717	3.30	1.55	0.47	738	3.20	1.50	0.47	760
28	18	2.94	2.91	0.99	568	2.81	2.78	0.99	596	2.70	2.67	0.99	625	2.60	2.57	0.99	653
28	20	3.06	2.66	0.87	596	2.94	2.56	0.87	632	2.85	2.48	0.87	646	2.75	2.39	0.87	675
28	22	3.19	2.39	0.75	618	3.08	2.31	0.75	657	3.00	2.25	0.75	675	2.88	2.16	0.75	703
28	24	3.35	2.11	0.63	646	3.23	2.03	0.63	682	3.15	1.98	0.63	703	3.05	1.92	0.63	738
28	26	3.45	1.76	0.51	682	3.35	1.71	0.51	717	3.30	1.68	0.51	738	3.20	1.63	0.51	760
29	18	2.94	2.94	1.00	568	2.81	2.81	1.00	596	2.70	2.70	1.00	625	2.60	2.60	1.00	653
29	20	3.06	2.79	0.91	596	2.94	2.67	0.91	632	2.85	2.59	0.91	646	2.75	2.50	0.91	675
29	22	3.19	2.52	0.79	618	3.08	2.43	0.79	657	3.00	2.37	0.79	675	2.88	2.27	0.79	703
29	24	3.35	2.24	0.67	646	3.23	2.16	0.67	682	3.15	2.11	0.67	703	3.05	2.04	0.67	738
29	26	3.45	1.90	0.55	682	3.35	1.84	0.55	717	3.30	1.82	0.55	738	3.20	1.76	0.55	760
30	18	2.94	2.94	1.00	568	2.81	2.81	1.00	596	2.70	2.70	1.00	625	2.60	2.60	1.00	653
30	20	3.06	2.91	0.95	596	2.94	2.79	0.95	632	2.85	2.71	0.95	646	2.75	2.61	0.95	675
30	22	3.19	2.65	0.83	618	3.08	2.55	0.83	657	3.00	2.49	0.83	675	2.88	2.39	0.83	703
30	24	3.35	2.38	0.71	646	3.23	2.29	0.71	682	3.15	2.24	0.71	703	3.05	2.17	0.71	738
30	26	3.45	2.04	0.59	682	3.35	1.98	0.59	717	3.30	1.95	0.59	738	3.20	1.89	0.59	760
31	18	2.94	2.94	1.00	568	2.81	2.81	1.00	596	2.70	2.70	1.00	625	2.60	2.60	1.00	653
31	20	3.06	3.03	0.99	596	2.94	2.91	0.99	632	2.85	2.82	0.99	646	2.75	2.72	0.99	675
31	22	3.19	2.77	0.87	618	3.08	2.68	0.87	657	3.00	2.61	0.87	675	2.88	2.50	0.87	703
31	24	3.35	2.51	0.75	646	3.23	2.42	0.75	682	3.15	2.36	0.75	703	3.05	2.29	0.75	738
31	26	3.45	2.17	0.63	682	3.35	2.11	0.63	717	3.30	2.08	0.63	738	3.20	2.02	0.63	760
32	18	2.94	2.94	1.00	568	2.81	2.81	1.00	596	2.70	2.70	1.00	625	2.60	2.60	1.00	653
32	20	3.06	3.06	1.00	596	2.94	2.94	1.00	632	2.85	2.85	1.00	646	2.75	2.75	1.00	675
32	22	3.19	2.90	0.91	618	3.08	2.80	0.91	657	3.00	2.73	0.91	675	2.88	2.62	0.91	703
32	24	3.35	2.65	0.79	646	3.23	2.55	0.79	682	3.15	2.49	0.79	703	3.05	2.41	0.79	738
32	26	3.45	2.31	0.67	682	3.35	2.24	0.67	717	3.30	2.21	0.67	738	3.20	2.14	0.67	760

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-DM25VA: MUZ-DM25VA

CAPACITY: 2.5 kW SHF: 0.89 INPUT: 710 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.45	1.74	0.71	696	2.25	1.60	0.71	738	2.08	1.47	0.71	767
21	20	2.58	1.52	0.59	724	2.40	1.42	0.59	760	2.23	1.31	0.59	802
22	18	2.45	1.84	0.75	696	2.25	1.69	0.75	738	2.08	1.56	0.75	767
22	20	2.58	1.62	0.63	724	2.40	1.51	0.63	760	2.23	1.40	0.63	802
22	22	2.73	1.39	0.51	753	2.55	1.30	0.51	795	2.38	1.21	0.51	824
23	18	2.45	1.94	0.79	696	2.25	1.78	0.79	738	2.08	1.64	0.79	767
23	20	2.58	1.73	0.67	724	2.40	1.61	0.67	760	2.23	1.49	0.67	802
23	22	2.73	1.50	0.55	753	2.55	1.40	0.55	795	2.38	1.31	0.55	824
24	18	2.45	2.03	0.83	696	2.25	1.87	0.83	738	2.08	1.72	0.83	767
24	20	2.58	1.83	0.71	724	2.40	1.70	0.71	760	2.23	1.58	0.71	802
24	22	2.73	1.61	0.59	753	2.55	1.50	0.59	795	2.38	1.40	0.59	824
24	24	2.88	1.35	0.47	781	2.70	1.27	0.47	817	2.55	1.20	0.47	852
25	18	2.45	2.13	0.87	696	2.25	1.96	0.87	738	2.08	1.81	0.87	767
25	20	2.58	1.93	0.75	724	2.40	1.80	0.75	760	2.23	1.67	0.75	802
25	22	2.73	1.72	0.63	753	2.55	1.61	0.63	795	2.38	1.50	0.63	824
25	24	2.88	1.47	0.51	781	2.70	1.38	0.51	817	2.55	1.30	0.51	852
26	18	2.45	2.23	0.91	696	2.25	2.05	0.91	738	2.08	1.89	0.91	767
26	20	2.58	2.03	0.79	724	2.40	1.90	0.79	760	2.23	1.76	0.79	802
26	22	2.73	1.83	0.67	753	2.55	1.71	0.67	795	2.38	1.59	0.67	824
26	24	2.88	1.58	0.55	781	2.70	1.49	0.55	817	2.55	1.40	0.55	852
26	26	3.03	1.30	0.43	809	2.85	1.23	0.43	845	2.68	1.15	0.43	880
27	18	2.45	2.33	0.95	696	2.25	2.14	0.95	738	2.08	1.97	0.95	767
27	20	2.58	2.14	0.83	724	2.40	1.99	0.83	760	2.23	1.85	0.83	802
27	22	2.73	1.93	0.71	753	2.55	1.81	0.71	795	2.38	1.69	0.71	824
27	24	2.88	1.70	0.59	781	2.70	1.59	0.59	817	2.55	1.50	0.59	852
27	26	3.03	1.42	0.47	809	2.85	1.34	0.47	845	2.68	1.26	0.47	880
28	18	2.45	2.43	0.99	696	2.25	2.23	0.99	738	2.08	2.05	0.99	767
28	20	2.58	2.24	0.87	724	2.40	2.09	0.87	760	2.23	1.94	0.87	802
28	22	2.73	2.04	0.75	753	2.55	1.91	0.75	795	2.38	1.78	0.75	824
28	24	2.88	1.81	0.63	781	2.70	1.70	0.63	817	2.55	1.61	0.63	852
28	26	3.03	1.54	0.51	809	2.85	1.45	0.51	845	2.68	1.36	0.51	880
29	18	2.45	2.45	1.00	696	2.25	2.25	1.00	738	2.08	2.08	1.00	767
29	20	2.58	2.34	0.91	724	2.40	2.18	0.91	760	2.23	2.02	0.91	802
29	22	2.73	2.15	0.79	753	2.55	2.01	0.79	795	2.38	1.88	0.79	824
29	24	2.88	1.93	0.67	781	2.70	1.81	0.67	817	2.55	1.71	0.67	852
29	26	3.03	1.66	0.55	809	2.85	1.57	0.55	845	2.68	1.47	0.55	880
30	18	2.45	2.45	1.00	696	2.25	2.25	1.00	738	2.08	2.08	1.00	767
30	20	2.58	2.45	0.95	724	2.40	2.28	0.95	760	2.23	2.11	0.95	802
30	22	2.73	2.26	0.83	753	2.55	2.12	0.83	795	2.38	1.97	0.83	824
30	24	2.88	2.04	0.71	781	2.70	1.92	0.71	817	2.55	1.81	0.71	852
30	26	3.03	1.78	0.59	809	2.85	1.68	0.59	845	2.68	1.58	0.59	880
31	18	2.45	2.45	1.00	696	2.25	2.25	1.00	738	2.08	2.08	1.00	767
31	20	2.58	2.55	0.99	724	2.40	2.38	0.99	760	2.23	2.20	0.99	802
31	22	2.73	2.37	0.87	753	2.55	2.22	0.87	795	2.38	2.07	0.87	824
31	24	2.88	2.16	0.75	781	2.70	2.03	0.75	817	2.55	1.91	0.75	852
31	26	3.03	1.91	0.63	809	2.85	1.80	0.63	845	2.68	1.69	0.63	880
32	18	2.45	2.45	1.00	696	2.25	2.25	1.00	738	2.08	2.08	1.00	767
32	20	2.58	2.58	1.00	724	2.40	2.40	1.00	760	2.23	2.23	1.00	802
32	22	2.73	2.48	0.91	753	2.55	2.32	0.91	795	2.38	2.16	0.91	824
32	24	2.88	2.27	0.79	781	2.70	2.13	0.79	817	2.55	2.01	0.79	852
32	26	3.03	2.03	0.67	809	2.85	1.91	0.67	845	2.68	1.79	0.67	880

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-DM35VA: MUZ-DM35VA

CAPACITY: 3.15 kW SHF: 0.87 INPUT: 1020 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.70	2.55	0.69	816	3.54	2.45	0.69	857	3.40	2.35	0.69	898	3.28	2.26	0.69	938
21	20	3.86	2.20	0.57	857	3.70	2.11	0.57	908	3.59	2.05	0.57	928	3.47	1.98	0.57	969
22	18	3.70	2.70	0.73	816	3.54	2.59	0.73	857	3.40	2.48	0.73	898	3.28	2.39	0.73	938
22	20	3.86	2.35	0.61	857	3.70	2.26	0.61	908	3.59	2.19	0.61	928	3.47	2.11	0.61	969
22	22	4.02	1.97	0.49	887	3.87	1.90	0.49	944	3.78	1.85	0.49	969	3.62	1.78	0.49	1010
23	18	3.70	2.85	0.77	816	3.54	2.73	0.77	857	3.40	2.62	0.77	898	3.28	2.52	0.77	938
23	20	3.86	2.51	0.65	857	3.70	2.41	0.65	908	3.59	2.33	0.65	928	3.47	2.25	0.65	969
23	22	4.02	2.13	0.53	887	3.87	2.05	0.53	944	3.78	2.00	0.53	969	3.62	1.92	0.53	1010
24	18	3.70	3.00	0.81	816	3.54	2.87	0.81	857	3.40	2.76	0.81	898	3.28	2.65	0.81	938
24	20	3.86	2.66	0.69	857	3.70	2.55	0.69	908	3.59	2.48	0.69	928	3.47	2.39	0.69	969
24	22	4.02	2.29	0.57	887	3.87	2.21	0.57	944	3.78	2.15	0.57	969	3.62	2.06	0.57	1010
24	24	4.22	1.90	0.45	928	4.06	1.83	0.45	979	3.97	1.79	0.45	1010	3.84	1.73	0.45	1061
25	18	3.70	3.15	0.85	816	3.54	3.01	0.85	857	3.40	2.89	0.85	898	3.28	2.78	0.85	938
25	20	3.86	2.82	0.73	857	3.70	2.70	0.73	908	3.59	2.62	0.73	928	3.47	2.53	0.73	969
25	22	4.02	2.45	0.61	887	3.87	2.36	0.61	944	3.78	2.31	0.61	969	3.62	2.21	0.61	1010
25	24	4.22	2.07	0.49	928	4.06	1.99	0.49	979	3.97	1.94	0.49	1010	3.84	1.88	0.49	1061
26	18	3.70	3.29	0.89	816	3.54	3.15	0.89	857	3.40	3.03	0.89	898	3.28	2.92	0.89	938
26	20	3.86	2.97	0.77	857	3.70	2.85	0.77	908	3.59	2.77	0.77	928	3.47	2.67	0.77	969
26	22	4.02	2.61	0.65	887	3.87	2.52	0.65	944	3.78	2.46	0.65	969	3.62	2.35	0.65	1010
26	24	4.22	2.24	0.53	928	4.06	2.15	0.53	979	3.97	2.10	0.53	1010	3.84	2.04	0.53	1061
26	26	4.35	1.78	0.41	979	4.22	1.73	0.41	1030	4.16	1.70	0.41	1061	4.03	1.65	0.41	1091
27	18	3.70	3.44	0.93	816	3.54	3.30	0.93	857	3.40	3.16	0.93	898	3.28	3.05	0.93	938
27	20	3.86	3.13	0.81	857	3.70	3.00	0.81	908	3.59	2.91	0.81	928	3.47	2.81	0.81	969
27	22	4.02	2.77	0.69	887	3.87	2.67	0.69	944	3.78	2.61	0.69	969	3.62	2.50	0.69	1010
27	24	4.22	2.41	0.57	928	4.06	2.32	0.57	979	3.97	2.26	0.57	1010	3.84	2.19	0.57	1061
27	26	4.35	1.96	0.45	979	4.22	1.90	0.45	1030	4.16	1.87	0.45	1061	4.03	1.81	0.45	1091
28	18	3.70	3.59	0.97	816	3.54	3.44	0.97	857	3.40	3.30	0.97	898	3.28	3.18	0.97	938
28	20	3.86	3.28	0.85	857	3.70	3.15	0.85	908	3.59	3.05	0.85	928	3.47	2.95	0.85	969
28	22	4.02	2.93	0.73	887	3.87	2.83	0.73	944	3.78	2.76	0.73	969	3.62	2.64	0.73	1010
28	24	4.22	2.57	0.61	928	4.06	2.48	0.61	979	3.97	2.42	0.61	1010	3.84	2.34	0.61	1061
28	26	4.35	2.13	0.49	979	4.22	2.07	0.49	1030	4.16	2.04	0.49	1061	4.03	1.98	0.49	1091
29	18	3.70	3.70	1.00	816	3.54	3.54	1.00	857	3.40	3.40	1.00	898	3.28	3.28	1.00	938
29	20	3.86	3.43	0.89	857	3.70	3.29	0.89	908	3.59	3.20	0.89	928	3.47	3.08	0.89	969
29	22	4.02	3.09	0.77	887	3.87	2.98	0.77	944	3.78	2.91	0.77	969	3.62	2.79	0.77	1010
29	24	4.22	2.74	0.65	928	4.06	2.64	0.65	979	3.97	2.58	0.65	1010	3.84	2.50	0.65	1061
29	26	4.35	2.30	0.53	979	4.22	2.24	0.53	1030	4.16	2.20	0.53	1061	4.03	2.14	0.53	1091
30	18	3.70	3.70	1.00	816	3.54	3.54	1.00	857	3.40	3.40	1.00	898	3.28	3.28	1.00	938
30	20	3.86	3.59	0.93	857	3.70	3.44	0.93	908	3.59	3.34	0.93	928	3.47	3.22	0.93	969
30	22	4.02	3.25	0.81	887	3.87	3.14	0.81	944	3.78	3.06	0.81	969	3.62	2.93	0.81	1010
30	24	4.22	2.91	0.69	928	4.06	2.80	0.69	979	3.97	2.74	0.69	1010	3.84	2.65	0.69	1061
30	26	4.35	2.48	0.57	979	4.22	2.41	0.57	1030	4.16	2.37	0.57	1061	4.03	2.30	0.57	1091
31	18	3.70	3.70	1.00	816	3.54	3.54	1.00	857	3.40	3.40	1.00	898	3.28	3.28	1.00	938
31	20	3.86	3.74	0.97	857	3.70	3.59	0.97	908	3.59	3.48	0.97	928	3.47	3.36	0.97	969
31	22	4.02	3.41	0.85	887	3.87	3.29	0.85	944	3.78	3.21	0.85	969	3.62	3.08	0.85	1010
31	24	4.22	3.08	0.73	928	4.06	2.97	0.73	979	3.97	2.90	0.73	1010	3.84	2.81	0.73	1061
31	26	4.35	2.65	0.61	979	4.22	2.57	0.61	1030	4.16	2.54	0.61	1061	4.03	2.46	0.61	1091
32	18	3.70	3.70	1.00	816	3.54	3.54	1.00	857	3.40	3.40	1.00	898	3.28	3.28	1.00	938
32	20	3.86	3.86	1.00	857	3.70	3.70	1.00	908	3.59	3.59	1.00	928	3.47	3.47	1.00	969
32	22	4.02	3.57	0.89	887	3.87	3.45	0.89	944	3.78	3.36	0.89	969	3.62	3.22	0.89	1010
32	24	4.22	3.25	0.77	928	4.06	3.13	0.77	979	3.97	3.06	0.77	1010	3.84	2.96	0.77	1061
32	26	4.35	2.83	0.65	979	4.22	2.74	0.65	1030	4.16	2.70	0.65	1061	4.03	2.62	0.65	1091

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-DM35VA: MUZ-DM35VA

CAPACITY: 3.15 kW SHF: 0.87 INPUT: 1020 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.09	2.13	0.69	1000	2.84	1.96	0.69	1061	2.61	1.80	0.69	1102
21	20	3.24	1.85	0.57	1040	3.02	1.72	0.57	1091	2.80	1.60	0.57	1153
22	18	3.09	2.25	0.73	1000	2.84	2.07	0.73	1061	2.61	1.91	0.73	1102
22	20	3.24	1.98	0.61	1040	3.02	1.84	0.61	1091	2.80	1.71	0.61	1153
22	22	3.43	1.68	0.49	1081	3.21	1.57	0.49	1142	2.99	1.47	0.49	1183
23	18	3.09	2.38	0.77	1000	2.84	2.18	0.77	1061	2.61	2.01	0.77	1102
23	20	3.24	2.11	0.65	1040	3.02	1.97	0.65	1091	2.80	1.82	0.65	1153
23	22	3.43	1.82	0.53	1081	3.21	1.70	0.53	1142	2.99	1.59	0.53	1183
24	18	3.09	2.50	0.81	1000	2.84	2.30	0.81	1061	2.61	2.12	0.81	1102
24	20	3.24	2.24	0.69	1040	3.02	2.09	0.69	1091	2.80	1.93	0.69	1153
24	22	3.43	1.96	0.57	1081	3.21	1.83	0.57	1142	2.99	1.71	0.57	1183
24	24	3.62	1.63	0.45	1122	3.40	1.53	0.45	1173	3.21	1.45	0.45	1224
25	18	3.09	2.62	0.85	1000	2.84	2.41	0.85	1061	2.61	2.22	0.85	1102
25	20	3.24	2.37	0.73	1040	3.02	2.21	0.73	1091	2.80	2.05	0.73	1153
25	22	3.43	2.09	0.61	1081	3.21	1.96	0.61	1142	2.99	1.83	0.61	1183
25	24	3.62	1.78	0.49	1122	3.40	1.67	0.49	1173	3.21	1.57	0.49	1224
26	18	3.09	2.75	0.89	1000	2.84	2.52	0.89	1061	2.61	2.33	0.89	1102
26	20	3.24	2.50	0.77	1040	3.02	2.33	0.77	1091	2.80	2.16	0.77	1153
26	22	3.43	2.23	0.65	1081	3.21	2.09	0.65	1142	2.99	1.95	0.65	1183
26	24	3.62	1.92	0.53	1122	3.40	1.80	0.53	1173	3.21	1.70	0.53	1224
26	26	3.81	1.56	0.41	1163	3.59	1.47	0.41	1214	3.37	1.38	0.41	1265
27	18	3.09	2.87	0.93	1000	2.84	2.64	0.93	1061	2.61	2.43	0.93	1102
27	20	3.24	2.63	0.81	1040	3.02	2.45	0.81	1091	2.80	2.27	0.81	1153
27	22	3.43	2.37	0.69	1081	3.21	2.22	0.69	1142	2.99	2.06	0.69	1183
27	24	3.62	2.06	0.57	1122	3.40	1.94	0.57	1173	3.21	1.83	0.57	1224
27	26	3.81	1.72	0.45	1163	3.59	1.62	0.45	1214	3.37	1.52	0.45	1265
28	18	3.09	2.99	0.97	1000	2.84	2.75	0.97	1061	2.61	2.54	0.97	1102
28	20	3.24	2.76	0.85	1040	3.02	2.57	0.85	1091	2.80	2.38	0.85	1153
28	22	3.43	2.51	0.73	1081	3.21	2.35	0.73	1142	2.99	2.18	0.73	1183
28	24	3.62	2.21	0.61	1122	3.40	2.08	0.61	1173	3.21	1.96	0.61	1224
28	26	3.81	1.87	0.49	1163	3.59	1.76	0.49	1214	3.37	1.65	0.49	1265
29	18	3.09	3.09	1.00	1000	2.84	2.84	1.00	1061	2.61	2.61	1.00	1102
29	20	3.24	2.89	0.89	1040	3.02	2.69	0.89	1091	2.80	2.50	0.89	1153
29	22	3.43	2.64	0.77	1081	3.21	2.47	0.77	1142	2.99	2.30	0.77	1183
29	24	3.62	2.35	0.65	1122	3.40	2.21	0.65	1173	3.21	2.09	0.65	1224
29	26	3.81	2.02	0.53	1163	3.59	1.90	0.53	1214	3.37	1.79	0.53	1265
30	18	3.09	3.09	1.00	1000	2.84	2.84	1.00	1061	2.61	2.61	1.00	1102
30	20	3.24	3.02	0.93	1040	3.02	2.81	0.93	1091	2.80	2.61	0.93	1153
30	22	3.43	2.78	0.81	1081	3.21	2.60	0.81	1142	2.99	2.42	0.81	1183
30	24	3.62	2.50	0.69	1122	3.40	2.35	0.69	1173	3.21	2.22	0.69	1224
30	26	3.81	2.17	0.57	1163	3.59	2.05	0.57	1214	3.37	1.92	0.57	1265
31	18	3.09	3.09	1.00	1000	2.84	2.84	1.00	1061	2.61	2.61	1.00	1102
31	20	3.24	3.15	0.97	1040	3.02	2.93	0.97	1091	2.80	2.72	0.97	1153
31	22	3.43	2.92	0.85	1081	3.21	2.73	0.85	1142	2.99	2.54	0.85	1183
31	24	3.62	2.64	0.73	1122	3.40	2.48	0.73	1173	3.21	2.35	0.73	1224
31	26	3.81	2.33	0.61	1163	3.59	2.19	0.61	1214	3.37	2.06	0.61	1265
32	18	3.09	3.09	1.00	1000	2.84	2.84	1.00	1061	2.61	2.61	1.00	1102
32	20	3.24	3.24	1.00	1040	3.02	3.02	1.00	1091	2.80	2.80	1.00	1153
32	22	3.43	3.06	0.89	1081	3.21	2.86	0.89	1142	2.99	2.66	0.89	1183
32	24	3.62	2.79	0.77	1122	3.40	2.62	0.77	1173	3.21	2.47	0.77	1224
32	26	3.81	2.48	0.65	1163	3.59	2.33	0.65	1214	3.37	2.19	0.65	1265

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-HJ25VA: MUZ-HJ25VA

CAPACITY: 2.5 kW SHF: 0.89 INPUT: 730 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.94	2.09	0.71	584	2.81	2.00	0.71	613	2.70	1.92	0.71	642	2.60	1.85	0.71	672
21	20	3.06	1.81	0.59	613	2.94	1.73	0.59	650	2.85	1.68	0.59	664	2.75	1.62	0.59	694
22	18	2.94	2.20	0.75	584	2.81	2.11	0.75	613	2.70	2.03	0.75	642	2.60	1.95	0.75	672
22	20	3.06	1.93	0.63	613	2.94	1.85	0.63	650	2.85	1.80	0.63	664	2.75	1.73	0.63	694
22	22	3.19	1.63	0.51	635	3.08	1.57	0.51	675	3.00	1.53	0.51	694	2.88	1.47	0.51	723
23	18	2.94	2.32	0.79	584	2.81	2.22	0.79	613	2.70	2.13	0.79	642	2.60	2.05	0.79	672
23	20	3.06	2.05	0.67	613	2.94	1.97	0.67	650	2.85	1.91	0.67	664	2.75	1.84	0.67	694
23	22	3.19	1.75	0.55	635	3.08	1.69	0.55	675	3.00	1.65	0.55	694	2.88	1.58	0.55	723
24	18	2.94	2.44	0.83	584	2.81	2.33	0.83	613	2.70	2.24	0.83	642	2.60	2.16	0.83	672
24	20	3.06	2.17	0.71	613	2.94	2.09	0.71	650	2.85	2.02	0.71	664	2.75	1.95	0.71	694
24	22	3.19	1.88	0.59	635	3.08	1.81	0.59	675	3.00	1.77	0.59	694	2.88	1.70	0.59	723
24	24	3.35	1.57	0.47	664	3.23	1.52	0.47	701	3.15	1.48	0.47	723	3.05	1.43	0.47	759
25	18	2.94	2.56	0.87	584	2.81	2.45	0.87	613	2.70	2.35	0.87	642	2.60	2.26	0.87	672
25	20	3.06	2.30	0.75	613	2.94	2.20	0.75	650	2.85	2.14	0.75	664	2.75	2.06	0.75	694
25	22	3.19	2.01	0.63	635	3.08	1.94	0.63	675	3.00	1.89	0.63	694	2.88	1.81	0.63	723
25	24	3.35	1.71	0.51	664	3.23	1.64	0.51	701	3.15	1.61	0.51	723	3.05	1.56	0.51	759
26	18	2.94	2.67	0.91	584	2.81	2.56	0.91	613	2.70	2.46	0.91	642	2.60	2.37	0.91	672
26	20	3.06	2.42	0.79	613	2.94	2.32	0.79	650	2.85	2.25	0.79	664	2.75	2.17	0.79	694
26	22	3.19	2.14	0.67	635	3.08	2.06	0.67	675	3.00	2.01	0.67	694	2.88	1.93	0.67	723
26	24	3.35	1.84	0.55	664	3.23	1.77	0.55	701	3.15	1.73	0.55	723	3.05	1.68	0.55	759
26	26	3.45	1.48	0.43	701	3.35	1.44	0.43	737	3.30	1.42	0.43	759	3.20	1.38	0.43	781
27	18	2.94	2.79	0.95	584	2.81	2.67	0.95	613	2.70	2.57	0.95	642	2.60	2.47	0.95	672
27	20	3.06	2.54	0.83	613	2.94	2.44	0.83	650	2.85	2.37	0.83	664	2.75	2.28	0.83	694
27	22	3.19	2.26	0.71	635	3.08	2.18	0.71	675	3.00	2.13	0.71	694	2.88	2.04	0.71	723
27	24	3.35	1.98	0.59	664	3.23	1.90	0.59	701	3.15	1.86	0.59	723	3.05	1.80	0.59	759
27	26	3.45	1.62	0.47	701	3.35	1.57	0.47	737	3.30	1.55	0.47	759	3.20	1.50	0.47	781
28	18	2.94	2.91	0.99	584	2.81	2.78	0.99	613	2.70	2.67	0.99	642	2.60	2.57	0.99	672
28	20	3.06	2.66	0.87	613	2.94	2.56	0.87	650	2.85	2.48	0.87	664	2.75	2.39	0.87	694
28	22	3.19	2.39	0.75	635	3.08	2.31	0.75	675	3.00	2.25	0.75	694	2.88	2.16	0.75	723
28	24	3.35	2.11	0.63	664	3.23	2.03	0.63	701	3.15	1.98	0.63	723	3.05	1.92	0.63	759
28	26	3.45	1.76	0.51	701	3.35	1.71	0.51	737	3.30	1.68	0.51	759	3.20	1.63	0.51	781
29	18	2.94	2.94	1.00	584	2.81	2.81	1.00	613	2.70	2.70	1.00	642	2.60	2.60	1.00	672
29	20	3.06	2.79	0.91	613	2.94	2.67	0.91	650	2.85	2.59	0.91	664	2.75	2.50	0.91	694
29	22	3.19	2.52	0.79	635	3.08	2.43	0.79	675	3.00	2.37	0.79	694	2.88	2.27	0.79	723
29	24	3.35	2.24	0.67	664	3.23	2.16	0.67	701	3.15	2.11	0.67	723	3.05	2.04	0.67	759
29	26	3.45	1.90	0.55	701	3.35	1.84	0.55	737	3.30	1.82	0.55	759	3.20	1.76	0.55	781
30	18	2.94	2.94	1.00	584	2.81	2.81	1.00	613	2.70	2.70	1.00	642	2.60	2.60	1.00	672
30	20	3.06	2.91	0.95	613	2.94	2.79	0.95	650	2.85	2.71	0.95	664	2.75	2.61	0.95	694
30	22	3.19	2.65	0.83	635	3.08	2.55	0.83	675	3.00	2.49	0.83	694	2.88	2.39	0.83	723
30	24	3.35	2.38	0.71	664	3.23	2.29	0.71	701	3.15	2.24	0.71	723	3.05	2.17	0.71	759
30	26	3.45	2.04	0.59	701	3.35	1.98	0.59	737	3.30	1.95	0.59	759	3.20	1.89	0.59	781
31	18	2.94	2.94	1.00	584	2.81	2.81	1.00	613	2.70	2.70	1.00	642	2.60	2.60	1.00	672
31	20	3.06	3.03	0.99	613	2.94	2.91	0.99	650	2.85	2.82	0.99	664	2.75	2.72	0.99	694
31	22	3.19	2.77	0.87	635	3.08	2.68	0.87	675	3.00	2.61	0.87	694	2.88	2.50	0.87	723
31	24	3.35	2.51	0.75	664	3.23	2.42	0.75	701	3.15	2.36	0.75	723	3.05	2.29	0.75	759
31	26	3.45	2.17	0.63	701	3.35	2.11	0.63	737	3.30	2.08	0.63	759	3.20	2.02	0.63	781
32	18	2.94	2.94	1.00	584	2.81	2.81	1.00	613	2.70	2.70	1.00	642	2.60	2.60	1.00	672
32	20	3.06	3.06	1.00	613	2.94	2.94	1.00	650	2.85	2.85	1.00	664	2.75	2.75	1.00	694
32	22	3.19	2.90	0.91	635	3.08	2.80	0.91	675	3.00	2.73	0.91	694	2.88	2.62	0.91	723
32	24	3.35	2.65	0.79	664	3.23	2.55	0.79	701	3.15	2.49	0.79	723	3.05	2.41	0.79	759
32	26	3.45	2.31	0.67	701	3.35	2.24	0.67	737	3.30	2.21	0.67	759	3.20	2.14	0.67	781

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-HJ25VA: MUZ-HJ25VA

CAPACITY: 2.5 kW SHF: 0.89 INPUT: 730 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.45	1.74	0.71	715	2.25	1.60	0.71	759	2.08	1.47	0.71	788
21	20	2.58	1.52	0.59	745	2.40	1.42	0.59	781	2.23	1.31	0.59	825
22	18	2.45	1.84	0.75	715	2.25	1.69	0.75	759	2.08	1.56	0.75	788
22	20	2.58	1.62	0.63	745	2.40	1.51	0.63	781	2.23	1.40	0.63	825
22	22	2.73	1.39	0.51	774	2.55	1.30	0.51	818	2.38	1.21	0.51	847
23	18	2.45	1.94	0.79	715	2.25	1.78	0.79	759	2.08	1.64	0.79	788
23	20	2.58	1.73	0.67	745	2.40	1.61	0.67	781	2.23	1.49	0.67	825
23	22	2.73	1.50	0.55	774	2.55	1.40	0.55	818	2.38	1.31	0.55	847
24	18	2.45	2.03	0.83	715	2.25	1.87	0.83	759	2.08	1.72	0.83	788
24	20	2.58	1.83	0.71	745	2.40	1.70	0.71	781	2.23	1.58	0.71	825
24	22	2.73	1.61	0.59	774	2.55	1.50	0.59	818	2.38	1.40	0.59	847
24	24	2.88	1.35	0.47	803	2.70	1.27	0.47	839	2.55	1.20	0.47	876
25	18	2.45	2.13	0.87	715	2.25	1.96	0.87	759	2.08	1.81	0.87	788
25	20	2.58	1.93	0.75	745	2.40	1.80	0.75	781	2.23	1.67	0.75	825
25	22	2.73	1.72	0.63	774	2.55	1.61	0.63	818	2.38	1.50	0.63	847
25	24	2.88	1.47	0.51	803	2.70	1.38	0.51	839	2.55	1.30	0.51	876
26	18	2.45	2.23	0.91	715	2.25	2.05	0.91	759	2.08	1.89	0.91	788
26	20	2.58	2.03	0.79	745	2.40	1.90	0.79	781	2.23	1.76	0.79	825
26	22	2.73	1.83	0.67	774	2.55	1.71	0.67	818	2.38	1.59	0.67	847
26	24	2.88	1.58	0.55	803	2.70	1.49	0.55	839	2.55	1.40	0.55	876
26	26	3.03	1.30	0.43	832	2.85	1.23	0.43	869	2.68	1.15	0.43	905
27	18	2.45	2.33	0.95	715	2.25	2.14	0.95	759	2.08	1.97	0.95	788
27	20	2.58	2.14	0.83	745	2.40	1.99	0.83	781	2.23	1.85	0.83	825
27	22	2.73	1.93	0.71	774	2.55	1.81	0.71	818	2.38	1.69	0.71	847
27	24	2.88	1.70	0.59	803	2.70	1.59	0.59	839	2.55	1.50	0.59	876
27	26	3.03	1.42	0.47	832	2.85	1.34	0.47	869	2.68	1.26	0.47	905
28	18	2.45	2.43	0.99	715	2.25	2.23	0.99	759	2.08	2.05	0.99	788
28	20	2.58	2.24	0.87	745	2.40	2.09	0.87	781	2.23	1.94	0.87	825
28	22	2.73	2.04	0.75	774	2.55	1.91	0.75	818	2.38	1.78	0.75	847
28	24	2.88	1.81	0.63	803	2.70	1.70	0.63	839	2.55	1.61	0.63	876
28	26	3.03	1.54	0.51	832	2.85	1.45	0.51	869	2.68	1.36	0.51	905
29	18	2.45	2.45	1.00	715	2.25	2.25	1.00	759	2.08	2.08	1.00	788
29	20	2.58	2.34	0.91	745	2.40	2.18	0.91	781	2.23	2.02	0.91	825
29	22	2.73	2.15	0.79	774	2.55	2.01	0.79	818	2.38	1.88	0.79	847
29	24	2.88	1.93	0.67	803	2.70	1.81	0.67	839	2.55	1.71	0.67	876
29	26	3.03	1.66	0.55	832	2.85	1.57	0.55	869	2.68	1.47	0.55	905
30	18	2.45	2.45	1.00	715	2.25	2.25	1.00	759	2.08	2.08	1.00	788
30	20	2.58	2.45	0.95	745	2.40	2.28	0.95	781	2.23	2.11	0.95	825
30	22	2.73	2.26	0.83	774	2.55	2.12	0.83	818	2.38	1.97	0.83	847
30	24	2.88	2.04	0.71	803	2.70	1.92	0.71	839	2.55	1.81	0.71	876
30	26	3.03	1.78	0.59	832	2.85	1.68	0.59	869	2.68	1.58	0.59	905
31	18	2.45	2.45	1.00	715	2.25	2.25	1.00	759	2.08	2.08	1.00	788
31	20	2.58	2.55	0.99	745	2.40	2.38	0.99	781	2.23	2.20	0.99	825
31	22	2.73	2.37	0.87	774	2.55	2.22	0.87	818	2.38	2.07	0.87	847
31	24	2.88	2.16	0.75	803	2.70	2.03	0.75	839	2.55	1.91	0.75	876
31	26	3.03	1.91	0.63	832	2.85	1.80	0.63	869	2.68	1.69	0.63	905
32	18	2.45	2.45	1.00	715	2.25	2.25	1.00	759	2.08	2.08	1.00	788
32	20	2.58	2.58	1.00	745	2.40	2.40	1.00	781	2.23	2.23	1.00	825
32	22	2.73	2.48	0.91	774	2.55	2.32	0.91	818	2.38	2.16	0.91	847
32	24	2.88	2.27	0.79	803	2.70	2.13	0.79	839	2.55	2.01	0.79	876
32	26	3.03	2.03	0.67	832	2.85	1.91	0.67	869	2.68	1.79	0.67	905

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-HJ35VA: MUZ-HJ35VA

CAPACITY: 3.15 kW SHF: 0.87 INPUT: 1040 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.70	2.55	0.69	832	3.54	2.45	0.69	874	3.40	2.35	0.69	915	3.28	2.26	0.69	957
21	20	3.86	2.20	0.57	874	3.70	2.11	0.57	926	3.59	2.05	0.57	946	3.47	1.98	0.57	988
22	18	3.70	2.70	0.73	832	3.54	2.59	0.73	874	3.40	2.48	0.73	915	3.28	2.39	0.73	957
22	20	3.86	2.35	0.61	874	3.70	2.26	0.61	926	3.59	2.19	0.61	946	3.47	2.11	0.61	988
22	22	4.02	1.97	0.49	905	3.87	1.90	0.49	962	3.78	1.85	0.49	988	3.62	1.78	0.49	1030
23	18	3.70	2.85	0.77	832	3.54	2.73	0.77	874	3.40	2.62	0.77	915	3.28	2.52	0.77	957
23	20	3.86	2.51	0.65	874	3.70	2.41	0.65	926	3.59	2.33	0.65	946	3.47	2.25	0.65	988
23	22	4.02	2.13	0.53	905	3.87	2.05	0.53	962	3.78	2.00	0.53	988	3.62	1.92	0.53	1030
24	18	3.70	3.00	0.81	832	3.54	2.87	0.81	874	3.40	2.76	0.81	915	3.28	2.65	0.81	957
24	20	3.86	2.66	0.69	874	3.70	2.55	0.69	926	3.59	2.48	0.69	946	3.47	2.39	0.69	988
24	22	4.02	2.29	0.57	905	3.87	2.21	0.57	962	3.78	2.15	0.57	988	3.62	2.06	0.57	1030
24	24	4.22	1.90	0.45	946	4.06	1.83	0.45	998	3.97	1.79	0.45	1030	3.84	1.73	0.45	1082
25	18	3.70	3.15	0.85	832	3.54	3.01	0.85	874	3.40	2.89	0.85	915	3.28	2.78	0.85	957
25	20	3.86	2.82	0.73	874	3.70	2.70	0.73	926	3.59	2.62	0.73	946	3.47	2.53	0.73	988
25	22	4.02	2.45	0.61	905	3.87	2.36	0.61	962	3.78	2.31	0.61	988	3.62	2.21	0.61	1030
25	24	4.22	2.07	0.49	946	4.06	1.99	0.49	998	3.97	1.94	0.49	1030	3.84	1.88	0.49	1082
26	18	3.70	3.29	0.89	832	3.54	3.15	0.89	874	3.40	3.03	0.89	915	3.28	2.92	0.89	957
26	20	3.86	2.97	0.77	874	3.70	2.85	0.77	926	3.59	2.77	0.77	946	3.47	2.67	0.77	988
26	22	4.02	2.61	0.65	905	3.87	2.52	0.65	962	3.78	2.46	0.65	988	3.62	2.35	0.65	1030
26	24	4.22	2.24	0.53	946	4.06	2.15	0.53	998	3.97	2.10	0.53	1030	3.84	2.04	0.53	1082
26	26	4.35	1.78	0.41	998	4.22	1.73	0.41	1050	4.16	1.70	0.41	1082	4.03	1.65	0.41	1113
27	18	3.70	3.44	0.93	832	3.54	3.30	0.93	874	3.40	3.16	0.93	915	3.28	3.05	0.93	957
27	20	3.86	3.13	0.81	874	3.70	3.00	0.81	926	3.59	2.91	0.81	946	3.47	2.81	0.81	988
27	22	4.02	2.77	0.69	905	3.87	2.67	0.69	962	3.78	2.61	0.69	988	3.62	2.50	0.69	1030
27	24	4.22	2.41	0.57	946	4.06	2.32	0.57	998	3.97	2.26	0.57	1030	3.84	2.19	0.57	1082
27	26	4.35	1.96	0.45	998	4.22	1.90	0.45	1050	4.16	1.87	0.45	1082	4.03	1.81	0.45	1113
28	18	3.70	3.59	0.97	832	3.54	3.44	0.97	874	3.40	3.30	0.97	915	3.28	3.18	0.97	957
28	20	3.86	3.28	0.85	874	3.70	3.15	0.85	926	3.59	3.05	0.85	946	3.47	2.95	0.85	988
28	22	4.02	2.93	0.73	905	3.87	2.83	0.73	962	3.78	2.76	0.73	988	3.62	2.64	0.73	1030
28	24	4.22	2.57	0.61	946	4.06	2.48	0.61	998	3.97	2.42	0.61	1030	3.84	2.34	0.61	1082
28	26	4.35	2.13	0.49	998	4.22	2.07	0.49	1050	4.16	2.04	0.49	1082	4.03	1.98	0.49	1113
29	18	3.70	3.70	1.00	832	3.54	3.54	1.00	874	3.40	3.40	1.00	915	3.28	3.28	1.00	957
29	20	3.86	3.43	0.89	874	3.70	3.29	0.89	926	3.59	3.20	0.89	946	3.47	3.08	0.89	988
29	22	4.02	3.09	0.77	905	3.87	2.98	0.77	962	3.78	2.91	0.77	988	3.62	2.79	0.77	1030
29	24	4.22	2.74	0.65	946	4.06	2.64	0.65	998	3.97	2.58	0.65	1030	3.84	2.50	0.65	1082
29	26	4.35	2.30	0.53	998	4.22	2.24	0.53	1050	4.16	2.20	0.53	1082	4.03	2.14	0.53	1113
30	18	3.70	3.70	1.00	832	3.54	3.54	1.00	874	3.40	3.40	1.00	915	3.28	3.28	1.00	957
30	20	3.86	3.59	0.93	874	3.70	3.44	0.93	926	3.59	3.34	0.93	946	3.47	3.22	0.93	988
30	22	4.02	3.25	0.81	905	3.87	3.14	0.81	962	3.78	3.06	0.81	988	3.62	2.93	0.81	1030
30	24	4.22	2.91	0.69	946	4.06	2.80	0.69	998	3.97	2.74	0.69	1030	3.84	2.65	0.69	1082
30	26	4.35	2.48	0.57	998	4.22	2.41	0.57	1050	4.16	2.37	0.57	1082	4.03	2.30	0.57	1113
31	18	3.70	3.70	1.00	832	3.54	3.54	1.00	874	3.40	3.40	1.00	915	3.28	3.28	1.00	957
31	20	3.86	3.74	0.97	874	3.70	3.59	0.97	926	3.59	3.48	0.97	946	3.47	3.36	0.97	988
31	22	4.02	3.41	0.85	905	3.87	3.29	0.85	962	3.78	3.21	0.85	988	3.62	3.08	0.85	1030
31	24	4.22	3.08	0.73	946	4.06	2.97	0.73	998	3.97	2.90	0.73	1030	3.84	2.81	0.73	1082
31	26	4.35	2.65	0.61	998	4.22	2.57	0.61	1050	4.16	2.54	0.61	1082	4.03	2.46	0.61	1113
32	18	3.70	3.70	1.00	832	3.54	3.54	1.00	874	3.40	3.40	1.00	915	3.28	3.28	1.00	957
32	20	3.86	3.86	1.00	874	3.70	3.70	1.00	926	3.59	3.59	1.00	946	3.47	3.47	1.00	988
32	22	4.02	3.57	0.89	905	3.87	3.45	0.89	962	3.78	3.36	0.89	988	3.62	3.22	0.89	1030
32	24	4.22	3.25	0.77	946	4.06	3.13	0.77	998	3.97	3.06	0.77	1030	3.84	2.96	0.77	1082
32	26	4.35	2.83	0.65	998	4.22	2.74	0.65	1050	4.16	2.70	0.65	1082	4.03	2.62	0.65	1113

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-HJ35VA: MUZ-HJ35VA

CAPACITY: 3.15 kW SHF: 0.87 INPUT: 1040 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.09	2.13	0.69	1019	2.84	1.96	0.69	1082	2.61	1.80	0.69	1123
21	20	3.24	1.85	0.57	1061	3.02	1.72	0.57	1113	2.80	1.60	0.57	1175
22	18	3.09	2.25	0.73	1019	2.84	2.07	0.73	1082	2.61	1.91	0.73	1123
22	20	3.24	1.98	0.61	1061	3.02	1.84	0.61	1113	2.80	1.71	0.61	1175
22	22	3.43	1.68	0.49	1102	3.21	1.57	0.49	1165	2.99	1.47	0.49	1206
23	18	3.09	2.38	0.77	1019	2.84	2.18	0.77	1082	2.61	2.01	0.77	1123
23	20	3.24	2.11	0.65	1061	3.02	1.97	0.65	1113	2.80	1.82	0.65	1175
23	22	3.43	1.82	0.53	1102	3.21	1.70	0.53	1165	2.99	1.59	0.53	1206
24	18	3.09	2.50	0.81	1019	2.84	2.30	0.81	1082	2.61	2.12	0.81	1123
24	20	3.24	2.24	0.69	1061	3.02	2.09	0.69	1113	2.80	1.93	0.69	1175
24	22	3.43	1.96	0.57	1102	3.21	1.83	0.57	1165	2.99	1.71	0.57	1206
24	24	3.62	1.63	0.45	1144	3.40	1.53	0.45	1196	3.21	1.45	0.45	1248
25	18	3.09	2.62	0.85	1019	2.84	2.41	0.85	1082	2.61	2.22	0.85	1123
25	20	3.24	2.37	0.73	1061	3.02	2.21	0.73	1113	2.80	2.05	0.73	1175
25	22	3.43	2.09	0.61	1102	3.21	1.96	0.61	1165	2.99	1.83	0.61	1206
25	24	3.62	1.78	0.49	1144	3.40	1.67	0.49	1196	3.21	1.57	0.49	1248
26	18	3.09	2.75	0.89	1019	2.84	2.52	0.89	1082	2.61	2.33	0.89	1123
26	20	3.24	2.50	0.77	1061	3.02	2.33	0.77	1113	2.80	2.16	0.77	1175
26	22	3.43	2.23	0.65	1102	3.21	2.09	0.65	1165	2.99	1.95	0.65	1206
26	24	3.62	1.92	0.53	1144	3.40	1.80	0.53	1196	3.21	1.70	0.53	1248
26	26	3.81	1.56	0.41	1186	3.59	1.47	0.41	1238	3.37	1.38	0.41	1290
27	18	3.09	2.87	0.93	1019	2.84	2.64	0.93	1082	2.61	2.43	0.93	1123
27	20	3.24	2.63	0.81	1061	3.02	2.45	0.81	1113	2.80	2.27	0.81	1175
27	22	3.43	2.37	0.69	1102	3.21	2.22	0.69	1165	2.99	2.06	0.69	1206
27	24	3.62	2.06	0.57	1144	3.40	1.94	0.57	1196	3.21	1.83	0.57	1248
27	26	3.81	1.72	0.45	1186	3.59	1.62	0.45	1238	3.37	1.52	0.45	1290
28	18	3.09	2.99	0.97	1019	2.84	2.75	0.97	1082	2.61	2.54	0.97	1123
28	20	3.24	2.76	0.85	1061	3.02	2.57	0.85	1113	2.80	2.38	0.85	1175
28	22	3.43	2.51	0.73	1102	3.21	2.35	0.73	1165	2.99	2.18	0.73	1206
28	24	3.62	2.21	0.61	1144	3.40	2.08	0.61	1196	3.21	1.96	0.61	1248
28	26	3.81	1.87	0.49	1186	3.59	1.76	0.49	1238	3.37	1.65	0.49	1290
29	18	3.09	3.09	1.00	1019	2.84	2.84	1.00	1082	2.61	2.61	1.00	1123
29	20	3.24	2.89	0.89	1061	3.02	2.69	0.89	1113	2.80	2.50	0.89	1175
29	22	3.43	2.64	0.77	1102	3.21	2.47	0.77	1165	2.99	2.30	0.77	1206
29	24	3.62	2.35	0.65	1144	3.40	2.21	0.65	1196	3.21	2.09	0.65	1248
29	26	3.81	2.02	0.53	1186	3.59	1.90	0.53	1238	3.37	1.79	0.53	1290
30	18	3.09	3.09	1.00	1019	2.84	2.84	1.00	1082	2.61	2.61	1.00	1123
30	20	3.24	3.02	0.93	1061	3.02	2.81	0.93	1113	2.80	2.61	0.93	1175
30	22	3.43	2.78	0.81	1102	3.21	2.60	0.81	1165	2.99	2.42	0.81	1206
30	24	3.62	2.50	0.69	1144	3.40	2.35	0.69	1196	3.21	2.22	0.69	1248
30	26	3.81	2.17	0.57	1186	3.59	2.05	0.57	1238	3.37	1.92	0.57	1290
31	18	3.09	3.09	1.00	1019	2.84	2.84	1.00	1082	2.61	2.61	1.00	1123
31	20	3.24	3.15	0.97	1061	3.02	2.93	0.97	1113	2.80	2.72	0.97	1175
31	22	3.43	2.92	0.85	1102	3.21	2.73	0.85	1165	2.99	2.54	0.85	1206
31	24	3.62	2.64	0.73	1144	3.40	2.48	0.73	1196	3.21	2.35	0.73	1248
31	26	3.81	2.33	0.61	1186	3.59	2.19	0.61	1238	3.37	2.06	0.61	1290
32	18	3.09	3.09	1.00	1019	2.84	2.84	1.00	1082	2.61	2.61	1.00	1123
32	20	3.24	3.24	1.00	1061	3.02	3.02	1.00	1113	2.80	2.80	1.00	1175
32	22	3.43	3.06	0.89	1102	3.21	2.86	0.89	1165	2.99	2.66	0.89	1206
32	24	3.62	2.79	0.77	1144	3.40	2.62	0.77	1196	3.21	2.47	0.77	1248
32	26	3.81	2.48	0.65	1186	3.59	2.33	0.65	1238	3.37	2.19	0.65	1290

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-HJ50VA: MUZ-HJ50VA

CAPACITY: 5.0 kW SHF: 0.70 INPUT: 2050 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.88	3.06	0.52	1640	5.63	2.93	0.52	1722	5.40	2.81	0.52	1804	5.20	2.70	0.52	1886
21	20	6.13	2.45	0.40	1722	5.88	2.35	0.40	1825	5.70	2.28	0.40	1866	5.50	2.20	0.40	1948
22	18	5.88	3.29	0.56	1640	5.63	3.15	0.56	1722	5.40	3.02	0.56	1804	5.20	2.91	0.56	1886
22	20	6.13	2.70	0.44	1722	5.88	2.59	0.44	1825	5.70	2.51	0.44	1866	5.50	2.42	0.44	1948
22	22	6.38	2.04	0.32	1784	6.15	1.97	0.32	1896	6.00	1.92	0.32	1948	5.75	1.84	0.32	2030
23	18	5.88	3.53	0.60	1640	5.63	3.38	0.60	1722	5.40	3.24	0.60	1804	5.20	3.12	0.60	1886
23	20	6.13	2.94	0.48	1722	5.88	2.82	0.48	1825	5.70	2.74	0.48	1866	5.50	2.64	0.48	1948
23	22	6.38	2.30	0.36	1784	6.15	2.21	0.36	1896	6.00	2.16	0.36	1948	5.75	2.07	0.36	2030
24	18	5.88	3.76	0.64	1640	5.63	3.60	0.64	1722	5.40	3.46	0.64	1804	5.20	3.33	0.64	1886
24	20	6.13	3.19	0.52	1722	5.88	3.06	0.52	1825	5.70	2.96	0.52	1866	5.50	2.86	0.52	1948
24	22	6.38	2.55	0.40	1784	6.15	2.46	0.40	1896	6.00	2.40	0.40	1948	5.75	2.30	0.40	2030
24	24	6.70	1.88	0.28	1866	6.45	1.81	0.28	1968	6.30	1.76	0.28	2030	6.10	1.71	0.28	2132
25	18	5.88	4.00	0.68	1640	5.63	3.83	0.68	1722	5.40	3.67	0.68	1804	5.20	3.54	0.68	1886
25	20	6.13	3.43	0.56	1722	5.88	3.29	0.56	1825	5.70	3.19	0.56	1866	5.50	3.08	0.56	1948
25	22	6.38	2.81	0.44	1784	6.15	2.71	0.44	1896	6.00	2.64	0.44	1948	5.75	2.53	0.44	2030
25	24	6.70	2.14	0.32	1866	6.45	2.06	0.32	1968	6.30	2.02	0.32	2030	6.10	1.95	0.32	2132
26	18	5.88	4.23	0.72	1640	5.63	4.05	0.72	1722	5.40	3.89	0.72	1804	5.20	3.74	0.72	1886
26	20	6.13	3.68	0.60	1722	5.88	3.53	0.60	1825	5.70	3.42	0.60	1866	5.50	3.30	0.60	1948
26	22	6.38	3.06	0.48	1784	6.15	2.95	0.48	1896	6.00	2.88	0.48	1948	5.75	2.76	0.48	2030
26	24	6.70	2.41	0.36	1866	6.45	2.32	0.36	1968	6.30	2.27	0.36	2030	6.10	2.20	0.36	2132
26	26	6.90	1.66	0.24	1968	6.70	1.61	0.24	2071	6.60	1.58	0.24	2132	6.40	1.54	0.24	2194
27	18	5.88	4.47	0.76	1640	5.63	4.28	0.76	1722	5.40	4.10	0.76	1804	5.20	3.95	0.76	1886
27	20	6.13	3.92	0.64	1722	5.88	3.76	0.64	1825	5.70	3.65	0.64	1866	5.50	3.52	0.64	1948
27	22	6.38	3.32	0.52	1784	6.15	3.20	0.52	1896	6.00	3.12	0.52	1948	5.75	2.99	0.52	2030
27	24	6.70	2.68	0.40	1866	6.45	2.58	0.40	1968	6.30	2.52	0.40	2030	6.10	2.44	0.40	2132
27	26	6.90	1.93	0.28	1968	6.70	1.88	0.28	2071	6.60	1.85	0.28	2132	6.40	1.79	0.28	2194
28	18	5.88	4.70	0.80	1640	5.63	4.50	0.80	1722	5.40	4.32	0.80	1804	5.20	4.16	0.80	1886
28	20	6.13	4.17	0.68	1722	5.88	4.00	0.68	1825	5.70	3.88	0.68	1866	5.50	3.74	0.68	1948
28	22	6.38	3.57	0.56	1784	6.15	3.44	0.56	1896	6.00	3.36	0.56	1948	5.75	3.22	0.56	2030
28	24	6.70	2.95	0.44	1866	6.45	2.84	0.44	1968	6.30	2.77	0.44	2030	6.10	2.68	0.44	2132
28	26	6.90	2.21	0.32	1968	6.70	2.14	0.32	2071	6.60	2.11	0.32	2132	6.40	2.05	0.32	2194
29	18	5.88	4.94	0.84	1640	5.63	4.73	0.84	1722	5.40	4.54	0.84	1804	5.20	4.37	0.84	1886
29	20	6.13	4.41	0.72	1722	5.88	4.23	0.72	1825	5.70	4.10	0.72	1866	5.50	3.96	0.72	1948
29	22	6.38	3.83	0.60	1784	6.15	3.69	0.60	1896	6.00	3.60	0.60	1948	5.75	3.45	0.60	2030
29	24	6.70	3.22	0.48	1866	6.45	3.10	0.48	1968	6.30	3.02	0.48	2030	6.10	2.93	0.48	2132
29	26	6.90	2.48	0.36	1968	6.70	2.41	0.36	2071	6.60	2.38	0.36	2132	6.40	2.30	0.36	2194
30	18	5.88	5.17	0.88	1640	5.63	4.95	0.88	1722	5.40	4.75	0.88	1804	5.20	4.58	0.88	1886
30	20	6.13	4.66	0.76	1722	5.88	4.47	0.76	1825	5.70	4.33	0.76	1866	5.50	4.18	0.76	1948
30	22	6.38	4.08	0.64	1784	6.15	3.94	0.64	1896	6.00	3.84	0.64	1948	5.75	3.68	0.64	2030
30	24	6.70	3.48	0.52	1866	6.45	3.35	0.52	1968	6.30	3.28	0.52	2030	6.10	3.17	0.52	2132
30	26	6.90	2.76	0.40	1968	6.70	2.68	0.40	2071	6.60	2.64	0.40	2132	6.40	2.56	0.40	2194
31	18	5.88	5.41	0.92	1640	5.63	5.18	0.92	1722	5.40	4.97	0.92	1804	5.20	4.78	0.92	1886
31	20	6.13	4.90	0.80	1722	5.88	4.70	0.80	1825	5.70	4.56	0.80	1866	5.50	4.40	0.80	1948
31	22	6.38	4.34	0.68	1784	6.15	4.18	0.68	1896	6.00	4.08	0.68	1948	5.75	3.91	0.68	2030
31	24	6.70	3.75	0.56	1866	6.45	3.61	0.56	1968	6.30	3.53	0.56	2030	6.10	3.42	0.56	2132
31	26	6.90	3.04	0.44	1968	6.70	2.95	0.44	2071	6.60	2.90	0.44	2132	6.40	2.82	0.44	2194
32	18	5.88	5.64	0.96	1640	5.63	5.40	0.96	1722	5.40	5.18	0.96	1804	5.20	4.99	0.96	1886
32	20	6.13	5.15	0.84	1722	5.88	4.94	0.84	1825	5.70	4.79	0.84	1866	5.50	4.62	0.84	1948
32	22	6.38	4.59	0.72	1784	6.15	4.43	0.72	1896	6.00	4.32	0.72	1948	5.75	4.14	0.72	2030
32	24	6.70	4.02	0.60	1866	6.45	3.87	0.60	1968	6.30	3.78	0.60	2030	6.10	3.66	0.60	2132
32	26	6.90	3.31	0.48	1968	6.70	3.22	0.48	2071	6.60	3.17	0.48	2132	6.40	3.07	0.48	2194

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-HJ50VA: MUZ-HJ50VA

CAPACITY: 5.0 kW SHF: 0.70 INPUT: 2050 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.90	2.55	0.52	2009	4.50	2.34	0.52	2132	4.15	2.16	0.52	2214
21	20	5.15	2.06	0.40	2091	4.80	1.92	0.40	2194	4.45	1.78	0.40	2317
22	18	4.90	2.74	0.56	2009	4.50	2.52	0.56	2132	4.15	2.32	0.56	2214
22	20	5.15	2.27	0.44	2091	4.80	2.11	0.44	2194	4.45	1.96	0.44	2317
22	22	5.45	1.74	0.32	2173	5.10	1.63	0.32	2296	4.75	1.52	0.32	2378
23	18	4.90	2.94	0.60	2009	4.50	2.70	0.60	2132	4.15	2.49	0.60	2214
23	20	5.15	2.47	0.48	2091	4.80	2.30	0.48	2194	4.45	2.14	0.48	2317
23	22	5.45	1.96	0.36	2173	5.10	1.84	0.36	2296	4.75	1.71	0.36	2378
24	18	4.90	3.14	0.64	2009	4.50	2.88	0.64	2132	4.15	2.66	0.64	2214
24	20	5.15	2.68	0.52	2091	4.80	2.50	0.52	2194	4.45	2.31	0.52	2317
24	22	5.45	2.18	0.40	2173	5.10	2.04	0.40	2296	4.75	1.90	0.40	2378
24	24	5.75	1.61	0.28	2255	5.40	1.51	0.28	2358	5.10	1.43	0.28	2460
25	18	4.90	3.33	0.68	2009	4.50	3.06	0.68	2132	4.15	2.82	0.68	2214
25	20	5.15	2.88	0.56	2091	4.80	2.69	0.56	2194	4.45	2.49	0.56	2317
25	22	5.45	2.40	0.44	2173	5.10	2.24	0.44	2296	4.75	2.09	0.44	2378
25	24	5.75	1.84	0.32	2255	5.40	1.73	0.32	2358	5.10	1.63	0.32	2460
26	18	4.90	3.53	0.72	2009	4.50	3.24	0.72	2132	4.15	2.99	0.72	2214
26	20	5.15	3.09	0.60	2091	4.80	2.88	0.60	2194	4.45	2.67	0.60	2317
26	22	5.45	2.62	0.48	2173	5.10	2.45	0.48	2296	4.75	2.28	0.48	2378
26	24	5.75	2.07	0.36	2255	5.40	1.94	0.36	2358	5.10	1.84	0.36	2460
26	26	6.05	1.45	0.24	2337	5.70	1.37	0.24	2440	5.35	1.28	0.24	2542
27	18	4.90	3.72	0.76	2009	4.50	3.42	0.76	2132	4.15	3.15	0.76	2214
27	20	5.15	3.30	0.64	2091	4.80	3.07	0.64	2194	4.45	2.85	0.64	2317
27	22	5.45	2.83	0.52	2173	5.10	2.65	0.52	2296	4.75	2.47	0.52	2378
27	24	5.75	2.30	0.40	2255	5.40	2.16	0.40	2358	5.10	2.04	0.40	2460
27	26	6.05	1.69	0.28	2337	5.70	1.60	0.28	2440	5.35	1.50	0.28	2542
28	18	4.90	3.92	0.80	2009	4.50	3.60	0.80	2132	4.15	3.32	0.80	2214
28	20	5.15	3.50	0.68	2091	4.80	3.26	0.68	2194	4.45	3.03	0.68	2317
28	22	5.45	3.05	0.56	2173	5.10	2.86	0.56	2296	4.75	2.66	0.56	2378
28	24	5.75	2.53	0.44	2255	5.40	2.38	0.44	2358	5.10	2.24	0.44	2460
28	26	6.05	1.94	0.32	2337	5.70	1.82	0.32	2440	5.35	1.71	0.32	2542
29	18	4.90	4.12	0.84	2009	4.50	3.78	0.84	2132	4.15	3.49	0.84	2214
29	20	5.15	3.71	0.72	2091	4.80	3.46	0.72	2194	4.45	3.20	0.72	2317
29	22	5.45	3.27	0.60	2173	5.10	3.06	0.60	2296	4.75	2.85	0.60	2378
29	24	5.75	2.76	0.48	2255	5.40	2.59	0.48	2358	5.10	2.45	0.48	2460
29	26	6.05	2.18	0.36	2337	5.70	2.05	0.36	2440	5.35	1.93	0.36	2542
30	18	4.90	4.31	0.88	2009	4.50	3.96	0.88	2132	4.15	3.65	0.88	2214
30	20	5.15	3.91	0.76	2091	4.80	3.65	0.76	2194	4.45	3.38	0.76	2317
30	22	5.45	3.49	0.64	2173	5.10	3.26	0.64	2296	4.75	3.04	0.64	2378
30	24	5.75	2.99	0.52	2255	5.40	2.81	0.52	2358	5.10	2.65	0.52	2460
30	26	6.05	2.42	0.40	2337	5.70	2.28	0.40	2440	5.35	2.14	0.40	2542
31	18	4.90	4.51	0.92	2009	4.50	4.14	0.92	2132	4.15	3.82	0.92	2214
31	20	5.15	4.12	0.80	2091	4.80	3.84	0.80	2194	4.45	3.56	0.80	2317
31	22	5.45	3.71	0.68	2173	5.10	3.47	0.68	2296	4.75	3.23	0.68	2378
31	24	5.75	3.22	0.56	2255	5.40	3.02	0.56	2358	5.10	2.86	0.56	2460
31	26	6.05	2.66	0.44	2337	5.70	2.51	0.44	2440	5.35	2.35	0.44	2542
32	18	4.90	4.70	0.96	2009	4.50	4.32	0.96	2132	4.15	3.98	0.96	2214
32	20	5.15	4.33	0.84	2091	4.80	4.03	0.84	2194	4.45	3.74	0.84	2317
32	22	5.45	3.92	0.72	2173	5.10	3.67	0.72	2296	4.75	3.42	0.72	2378
32	24	5.75	3.45	0.60	2255	5.40	3.24	0.60	2358	5.10	3.06	0.60	2460
32	26	6.05	2.90	0.48	2337	5.70	2.74	0.48	2440	5.35	2.57	0.48	2542

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-HJ60VA: MUZ-HJ60VA

CAPACITY: 6.1 kW SHF: 0.82 INPUT: 1900 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	7.17	4.59	0.64	1520	6.86	4.39	0.64	1596	6.59	4.22	0.64	1672	6.34	4.06	0.64	1748
21	20	7.47	3.89	0.52	1596	7.17	3.73	0.52	1691	6.95	3.62	0.52	1729	6.71	3.49	0.52	1805
22	18	7.17	4.87	0.68	1520	6.86	4.67	0.68	1596	6.59	4.48	0.68	1672	6.34	4.31	0.68	1748
22	20	7.47	4.18	0.56	1596	7.17	4.01	0.56	1691	6.95	3.89	0.56	1729	6.71	3.76	0.56	1805
22	22	7.78	3.42	0.44	1653	7.50	3.30	0.44	1758	7.32	3.22	0.44	1805	7.01	3.09	0.44	1881
23	18	7.17	5.16	0.72	1520	6.86	4.94	0.72	1596	6.59	4.74	0.72	1672	6.34	4.57	0.72	1748
23	20	7.47	4.48	0.60	1596	7.17	4.30	0.60	1691	6.95	4.17	0.60	1729	6.71	4.03	0.60	1805
23	22	7.78	3.73	0.48	1653	7.50	3.60	0.48	1758	7.32	3.51	0.48	1805	7.01	3.37	0.48	1881
24	18	7.17	5.45	0.76	1520	6.86	5.22	0.76	1596	6.59	5.01	0.76	1672	6.34	4.82	0.76	1748
24	20	7.47	4.78	0.64	1596	7.17	4.59	0.64	1691	6.95	4.45	0.64	1729	6.71	4.29	0.64	1805
24	22	7.78	4.04	0.52	1653	7.50	3.90	0.52	1758	7.32	3.81	0.52	1805	7.01	3.65	0.52	1881
24	24	8.17	3.27	0.40	1729	7.87	3.15	0.40	1824	7.69	3.07	0.40	1881	7.44	2.98	0.40	1976
25	18	7.17	5.73	0.80	1520	6.86	5.49	0.80	1596	6.59	5.27	0.80	1672	6.34	5.08	0.80	1748
25	20	7.47	5.08	0.68	1596	7.17	4.87	0.68	1691	6.95	4.73	0.68	1729	6.71	4.56	0.68	1805
25	22	7.78	4.36	0.56	1653	7.50	4.20	0.56	1758	7.32	4.10	0.56	1805	7.01	3.93	0.56	1881
25	24	8.17	3.60	0.44	1729	7.87	3.46	0.44	1824	7.69	3.38	0.44	1881	7.44	3.27	0.44	1976
26	18	7.17	6.02	0.84	1520	6.86	5.76	0.84	1596	6.59	5.53	0.84	1672	6.34	5.33	0.84	1748
26	20	7.47	5.38	0.72	1596	7.17	5.16	0.72	1691	6.95	5.01	0.72	1729	6.71	4.83	0.72	1805
26	22	7.78	4.67	0.60	1653	7.50	4.50	0.60	1758	7.32	4.39	0.60	1805	7.01	4.21	0.60	1881
26	24	8.17	3.92	0.48	1729	7.87	3.78	0.48	1824	7.69	3.69	0.48	1881	7.44	3.57	0.48	1976
26	26	8.42	3.03	0.36	1824	8.17	2.94	0.36	1919	8.05	2.90	0.36	1976	7.81	2.81	0.36	2033
27	18	7.17	6.31	0.88	1520	6.86	6.04	0.88	1596	6.59	5.80	0.88	1672	6.34	5.58	0.88	1748
27	20	7.47	5.68	0.76	1596	7.17	5.45	0.76	1691	6.95	5.29	0.76	1729	6.71	5.10	0.76	1805
27	22	7.78	4.98	0.64	1653	7.50	4.80	0.64	1758	7.32	4.68	0.64	1805	7.01	4.49	0.64	1881
27	24	8.17	4.25	0.52	1729	7.87	4.09	0.52	1824	7.69	4.00	0.52	1881	7.44	3.87	0.52	1976
27	26	8.42	3.37	0.40	1824	8.17	3.27	0.40	1919	8.05	3.22	0.40	1976	7.81	3.12	0.40	2033
28	18	7.17	6.59	0.92	1520	6.86	6.31	0.92	1596	6.59	6.06	0.92	1672	6.34	5.84	0.92	1748
28	20	7.47	5.98	0.80	1596	7.17	5.73	0.80	1691	6.95	5.56	0.80	1729	6.71	5.37	0.80	1805
28	22	7.78	5.29	0.68	1653	7.50	5.10	0.68	1758	7.32	4.98	0.68	1805	7.01	4.77	0.68	1881
28	24	8.17	4.58	0.56	1729	7.87	4.41	0.56	1824	7.69	4.30	0.56	1881	7.44	4.17	0.56	1976
28	26	8.42	3.70	0.44	1824	8.17	3.60	0.44	1919	8.05	3.54	0.44	1976	7.81	3.44	0.44	2033
29	18	7.17	6.88	0.96	1520	6.86	6.59	0.96	1596	6.59	6.32	0.96	1672	6.34	6.09	0.96	1748
29	20	7.47	6.28	0.84	1596	7.17	6.02	0.84	1691	6.95	5.84	0.84	1729	6.71	5.64	0.84	1805
29	22	7.78	5.60	0.72	1653	7.50	5.40	0.72	1758	7.32	5.27	0.72	1805	7.01	5.05	0.72	1881
29	24	8.17	4.90	0.60	1729	7.87	4.72	0.60	1824	7.69	4.61	0.60	1881	7.44	4.47	0.60	1976
29	26	8.42	4.04	0.48	1824	8.17	3.92	0.48	1919	8.05	3.86	0.48	1976	7.81	3.75	0.48	2033
30	18	7.17	7.17	1.00	1520	6.86	6.86	1.00	1596	6.59	6.59	1.00	1672	6.34	6.34	1.00	1748
30	20	7.47	6.58	0.88	1596	7.17	6.31	0.88	1691	6.95	6.12	0.88	1729	6.71	5.90	0.88	1805
30	22	7.78	5.91	0.76	1653	7.50	5.70	0.76	1758	7.32	5.56	0.76	1805	7.01	5.33	0.76	1881
30	24	8.17	5.23	0.64	1729	7.87	5.04	0.64	1824	7.69	4.92	0.64	1881	7.44	4.76	0.64	1976
30	26	8.42	4.38	0.52	1824	8.17	4.25	0.52	1919	8.05	4.19	0.52	1976	7.81	4.06	0.52	2033
31	18	7.17	7.17	1.00	1520	6.86	6.86	1.00	1596	6.59	6.59	1.00	1672	6.34	6.34	1.00	1748
31	20	7.47	6.87	0.92	1596	7.17	6.59	0.92	1691	6.95	6.40	0.92	1729	6.71	6.17	0.92	1805
31	22	7.78	6.22	0.80	1653	7.50	6.00	0.80	1758	7.32	5.86	0.80	1805	7.01	5.61	0.80	1881
31	24	8.17	5.56	0.68	1729	7.87	5.35	0.68	1824	7.69	5.23	0.68	1881	7.44	5.06	0.68	1976
31	26	8.42	4.71	0.56	1824	8.17	4.58	0.56	1919	8.05	4.51	0.56	1976	7.81	4.37	0.56	2033
32	18	7.17	7.17	1.00	1520	6.86	6.86	1.00	1596	6.59	6.59	1.00	1672	6.34	6.34	1.00	1748
32	20	7.47	7.17	0.96	1596	7.17	6.88	0.96	1691	6.95	6.68	0.96	1729	6.71	6.44	0.96	1805
32	22	7.78	6.53	0.84	1653	7.50	6.30	0.84	1758	7.32	6.15	0.84	1805	7.01	5.89	0.84	1881
32	24	8.17	5.89	0.72	1729	7.87	5.67	0.72	1824	7.69	5.53	0.72	1881	7.44	5.36	0.72	1976
32	26	8.42	5.05	0.60	1824	8.17	4.90	0.60	1919	8.05	4.83	0.60	1976	7.81	4.68	0.60	2033

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-HJ60VA: MUZ-HJ60VA

CAPACITY: 6.1 kW SHF: 0.82 INPUT: 1900 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.98	3.83	0.64	1862	5.49	3.51	0.64	1976	5.06	3.24	0.64	2052
21	20	6.28	3.27	0.52	1938	5.86	3.05	0.52	2033	5.43	2.82	0.52	2147
22	18	5.98	4.07	0.68	1862	5.49	3.73	0.68	1976	5.06	3.44	0.68	2052
22	20	6.28	3.52	0.56	1938	5.86	3.28	0.56	2033	5.43	3.04	0.56	2147
22	22	6.65	2.93	0.44	2014	6.22	2.74	0.44	2128	5.79	2.55	0.44	2204
23	18	5.98	4.30	0.72	1862	5.49	3.95	0.72	1976	5.06	3.65	0.72	2052
23	20	6.28	3.77	0.60	1938	5.86	3.51	0.60	2033	5.43	3.26	0.60	2147
23	22	6.65	3.19	0.48	2014	6.22	2.99	0.48	2128	5.79	2.78	0.48	2204
24	18	5.98	4.54	0.76	1862	5.49	4.17	0.76	1976	5.06	3.85	0.76	2052
24	20	6.28	4.02	0.64	1938	5.86	3.75	0.64	2033	5.43	3.47	0.64	2147
24	22	6.65	3.46	0.52	2014	6.22	3.24	0.52	2128	5.79	3.01	0.52	2204
24	24	7.01	2.81	0.40	2090	6.59	2.64	0.40	2185	6.22	2.49	0.40	2280
25	18	5.98	4.78	0.80	1862	5.49	4.39	0.80	1976	5.06	4.05	0.8	2052
25	20	6.28	4.27	0.68	1938	5.86	3.98	0.68	2033	5.43	3.69	0.68	2147
25	22	6.65	3.72	0.56	2014	6.22	3.48	0.56	2128	5.79	3.25	0.56	2204
25	24	7.01	3.09	0.44	2090	6.59	2.90	0.44	2185	6.22	2.74	0.44	2280
26	18	5.98	5.02	0.84	1862	5.49	4.61	0.84	1976	5.06	4.25	0.84	2052
26	20	6.28	4.52	0.72	1938	5.86	4.22	0.72	2033	5.43	3.91	0.72	2147
26	22	6.65	3.99	0.60	2014	6.22	3.73	0.60	2128	5.79	3.48	0.60	2204
26	24	7.01	3.37	0.48	2090	6.59	3.16	0.48	2185	6.22	2.99	0.48	2280
26	26	7.38	2.66	0.36	2166	6.95	2.50	0.36	2261	6.53	2.35	0.36	2356
27	18	5.98	5.26	0.88	1862	5.49	4.83	0.88	1976	5.06	4.46	0.88	2052
27	20	6.28	4.78	0.76	1938	5.86	4.45	0.76	2033	5.43	4.13	0.76	2147
27	22	6.65	4.26	0.64	2014	6.22	3.98	0.64	2128	5.79	3.71	0.64	2204
27	24	7.01	3.65	0.52	2090	6.59	3.43	0.52	2185	6.22	3.24	0.52	2280
27	26	7.38	2.95	0.40	2166	6.95	2.78	0.40	2261	6.53	2.61	0.40	2356
28	18	5.98	5.50	0.92	1862	5.49	5.05	0.92	1976	5.06	4.66	0.92	2052
28	20	6.28	5.03	0.80	1938	5.86	4.68	0.80	2033	5.43	4.34	0.80	2147
28	22	6.65	4.52	0.68	2014	6.22	4.23	0.68	2128	5.79	3.94	0.68	2204
28	24	7.01	3.93	0.56	2090	6.59	3.69	0.56	2185	6.22	3.48	0.56	2280
28	26	7.38	3.25	0.44	2166	6.95	3.06	0.44	2261	6.53	2.87	0.44	2356
29	18	5.98	5.74	0.96	1862	5.49	5.27	0.96	1976	5.06	4.86	0.96	2052
29	20	6.28	5.28	0.84	1938	5.86	4.92	0.84	2033	5.43	4.56	0.84	2147
29	22	6.65	4.79	0.72	2014	6.22	4.48	0.72	2128	5.79	4.17	0.72	2204
29	24	7.01	4.21	0.60	2090	6.59	3.95	0.60	2185	6.22	3.73	0.60	2280
29	26	7.38	3.54	0.48	2166	6.95	3.34	0.48	2261	6.53	3.13	0.48	2356
30	18	5.98	5.98	1.00	1862	5.49	5.49	1.00	1976	5.06	5.06	1.00	2052
30	20	6.28	5.53	0.88	1938	5.86	5.15	0.88	2033	5.43	4.78	0.88	2147
30	22	6.65	5.05	0.76	2014	6.22	4.73	0.76	2128	5.79	4.40	0.76	2204
30	24	7.01	4.49	0.64	2090	6.59	4.22	0.64	2185	6.22	3.98	0.64	2280
30	26	7.38	3.84	0.52	2166	6.95	3.62	0.52	2261	6.53	3.39	0.52	2356
31	18	5.98	5.98	1.00	1862	5.49	5.49	1.00	1976	5.06	5.06	1.00	2052
31	20	6.28	5.78	0.92	1938	5.86	5.39	0.92	2033	5.43	4.99	0.92	2147
31	22	6.65	5.32	0.80	2014	6.22	4.98	0.80	2128	5.79	4.64	0.80	2204
31	24	7.01	4.77	0.68	2090	6.59	4.48	0.68	2185	6.22	4.23	0.68	2280
31	26	7.38	4.13	0.56	2166	6.95	3.89	0.56	2261	6.53	3.66	0.56	2356
32	18	5.98	5.98	1.00	1862	5.49	5.49	1.00	1976	5.06	5.06	1.00	2052
32	20	6.28	6.03	0.96	1938	5.86	5.62	0.96	2033	5.43	5.21	0.96	2147
32	22	6.65	5.59	0.84	2014	6.22	5.23	0.84	2128	5.79	4.87	0.84	2204
32	24	7.01	5.05	0.72	2090	6.59	4.74	0.72	2185	6.22	4.48	0.72	2280
32	26	7.38	4.43	0.60	2166	6.95	4.17	0.60	2261	6.53	3.92	0.60	2356

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-HJ71VA: MUZ-HJ71VA

CAPACITY: 7.1 kW SHF: 0.77 INPUT: 2330 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	8.34	4.92	0.59	1864	7.99	4.71	0.59	1957	7.67	4.52	0.59	2050	7.38	4.36	0.59	2144
21	20	8.70	4.09	0.47	1957	8.34	3.92	0.47	2074	8.09	3.80	0.47	2120	7.81	3.67	0.47	2214
22	18	8.34	5.26	0.63	1864	7.99	5.03	0.63	1957	7.67	4.83	0.63	2050	7.38	4.65	0.63	2144
22	20	8.70	4.44	0.51	1957	8.34	4.25	0.51	2074	8.09	4.13	0.51	2120	7.81	3.98	0.51	2214
22	22	9.05	3.53	0.39	2027	8.73	3.41	0.39	2155	8.52	3.32	0.39	2214	8.17	3.18	0.39	2307
23	18	8.34	5.59	0.67	1864	7.99	5.35	0.67	1957	7.67	5.14	0.67	2050	7.38	4.95	0.67	2144
23	20	8.70	4.78	0.55	1957	8.34	4.59	0.55	2074	8.09	4.45	0.55	2120	7.81	4.30	0.55	2214
23	22	9.05	3.89	0.43	2027	8.73	3.76	0.43	2155	8.52	3.66	0.43	2214	8.17	3.51	0.43	2307
24	18	8.34	5.92	0.71	1864	7.99	5.67	0.71	1957	7.67	5.44	0.71	2050	7.38	5.24	0.71	2144
24	20	8.70	5.13	0.59	1957	8.34	4.92	0.59	2074	8.09	4.78	0.59	2120	7.81	4.61	0.59	2214
24	22	9.05	4.25	0.47	2027	8.73	4.10	0.47	2155	8.52	4.00	0.47	2214	8.17	3.84	0.47	2307
24	24	9.51	3.33	0.35	2120	9.16	3.21	0.35	2237	8.95	3.13	0.35	2307	8.66	3.03	0.35	2423
25	18	8.34	6.26	0.75	1864	7.99	5.99	0.75	1957	7.67	5.75	0.75	2050	7.38	5.54	0.75	2144
25	20	8.70	5.48	0.63	1957	8.34	5.26	0.63	2074	8.09	5.10	0.63	2120	7.81	4.92	0.63	2214
25	22	9.05	4.62	0.51	2027	8.73	4.45	0.51	2155	8.52	4.35	0.51	2214	8.17	4.16	0.51	2307
25	24	9.51	3.71	0.39	2120	9.16	3.57	0.39	2237	8.95	3.49	0.39	2307	8.66	3.38	0.39	2423
26	18	8.34	6.59	0.79	1864	7.99	6.31	0.79	1957	7.67	6.06	0.79	2050	7.38	5.83	0.79	2144
26	20	8.70	5.83	0.67	1957	8.34	5.59	0.67	2074	8.09	5.42	0.67	2120	7.81	5.23	0.67	2214
26	22	9.05	4.98	0.55	2027	8.73	4.80	0.55	2155	8.52	4.69	0.55	2214	8.17	4.49	0.55	2307
26	24	9.51	4.09	0.43	2120	9.16	3.94	0.43	2237	8.95	3.85	0.43	2307	8.66	3.72	0.43	2423
26	26	9.80	3.04	0.31	2237	9.51	2.95	0.31	2353	9.37	2.91	0.31	2423	9.09	2.82	0.31	2493
27	18	8.34	6.92	0.83	1864	7.99	6.63	0.83	1957	7.67	6.36	0.83	2050	7.38	6.13	0.83	2144
27	20	8.70	6.18	0.71	1957	8.34	5.92	0.71	2074	8.09	5.75	0.71	2120	7.81	5.55	0.71	2214
27	22	9.05	5.34	0.59	2027	8.73	5.15	0.59	2155	8.52	5.03	0.59	2214	8.17	4.82	0.59	2307
27	24	9.51	4.47	0.47	2120	9.16	4.30	0.47	2237	8.95	4.20	0.47	2307	8.66	4.07	0.47	2423
27	26	9.80	3.43	0.35	2237	9.51	3.33	0.35	2353	9.37	3.28	0.35	2423	9.09	3.18	0.35	2493
28	18	8.34	7.26	0.87	1864	7.99	6.95	0.87	1957	7.67	6.67	0.87	2050	7.38	6.42	0.87	2144
28	20	8.70	6.52	0.75	1957	8.34	6.26	0.75	2074	8.09	6.07	0.75	2120	7.81	5.86	0.75	2214
28	22	9.05	5.70	0.63	2027	8.73	5.50	0.63	2155	8.52	5.37	0.63	2214	8.17	5.14	0.63	2307
28	24	9.51	4.85	0.51	2120	9.16	4.67	0.51	2237	8.95	4.56	0.51	2307	8.66	4.42	0.51	2423
28	26	9.80	3.82	0.39	2237	9.51	3.71	0.39	2353	9.37	3.66	0.39	2423	9.09	3.54	0.39	2493
29	18	8.34	7.59	0.91	1864	7.99	7.27	0.91	1957	7.67	6.98	0.91	2050	7.38	6.72	0.91	2144
29	20	8.70	6.87	0.79	1957	8.34	6.59	0.79	2074	8.09	6.39	0.79	2120	7.81	6.17	0.79	2214
29	22	9.05	6.07	0.67	2027	8.73	5.85	0.67	2155	8.52	5.71	0.67	2214	8.17	5.47	0.67	2307
29	24	9.51	5.23	0.55	2120	9.16	5.04	0.55	2237	8.95	4.92	0.55	2307	8.66	4.76	0.55	2423
29	26	9.80	4.21	0.43	2237	9.51	4.09	0.43	2353	9.37	4.03	0.43	2423	9.09	3.91	0.43	2493
30	18	8.34	7.93	0.95	1864	7.99	7.59	0.95	1957	7.67	7.28	0.95	2050	7.38	7.01	0.95	2144
30	20	8.70	7.22	0.83	1957	8.34	6.92	0.83	2074	8.09	6.72	0.83	2120	7.81	6.48	0.83	2214
30	22	9.05	6.43	0.71	2027	8.73	6.20	0.71	2155	8.52	6.05	0.71	2214	8.17	5.80	0.71	2307
30	24	9.51	5.61	0.59	2120	9.16	5.40	0.59	2237	8.95	5.28	0.59	2307	8.66	5.11	0.59	2423
30	26	9.80	4.61	0.47	2237	9.51	4.47	0.47	2353	9.37	4.40	0.47	2423	9.09	4.27	0.47	2493
31	18	8.34	8.26	0.99	1864	7.99	7.91	0.99	1957	7.67	7.59	0.99	2050	7.38	7.31	0.99	2144
31	20	8.70	7.57	0.87	1957	8.34	7.26	0.87	2074	8.09	7.04	0.87	2120	7.81	6.79	0.87	2214
31	22	9.05	6.79	0.75	2027	8.73	6.55	0.75	2155	8.52	6.39	0.75	2214	8.17	6.12	0.75	2307
31	24	9.51	5.99	0.63	2120	9.16	5.77	0.63	2237	8.95	5.64	0.63	2307	8.66	5.46	0.63	2423
31	26	9.80	5.00	0.51	2237	9.51	4.85	0.51	2353	9.37	4.78	0.51	2423	9.09	4.63	0.51	2493
32	18	8.34	8.34	1.00	1864	7.99	7.99	1.00	1957	7.67	7.67	1.00	2050	7.38	7.38	1.00	2144
32	20	8.70	7.91	0.91	1957	8.34	7.59	0.91	2074	8.09	7.37	0.91	2120	7.81	7.11	0.91	2214
32	22	9.05	7.15	0.79	2027	8.73	6.90	0.79	2155	8.52	6.73	0.79	2214	8.17	6.45	0.79	2307
32	24	9.51	6.37	0.67	2120	9.16	6.14	0.67	2237	8.95	5.99	0.67	2307	8.66	5.80	0.67	2423
32	26	9.80	5.39	0.55	2237	9.51	5.23	0.55	2353	9.37	5.15	0.55	2423	9.09	5.00	0.55	2493

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MSZ-HJ71VA: MUZ-HJ71VA

CAPACITY: 7.1 kW SHF: 0.77 INPUT: 2330 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	6.96	4.11	0.59	2283	6.39	3.77	0.59	2423	5.89	3.48	0.59	2516
21	20	7.31	3.44	0.47	2377	6.82	3.20	0.47	2493	6.32	2.97	0.47	2633
22	18	6.96	4.38	0.63	2283	6.39	4.03	0.63	2423	5.89	3.71	0.63	2516
22	20	7.31	3.73	0.51	2377	6.82	3.48	0.51	2493	6.32	3.22	0.51	2633
22	22	7.74	3.02	0.39	2470	7.24	2.82	0.39	2610	6.75	2.63	0.39	2703
23	18	6.96	4.66	0.67	2283	6.39	4.28	0.67	2423	5.89	3.95	0.67	2516
23	20	7.31	4.02	0.55	2377	6.82	3.75	0.55	2493	6.32	3.48	0.55	2633
23	22	7.74	3.33	0.43	2470	7.24	3.11	0.43	2610	6.75	2.90	0.43	2703
24	18	6.96	4.94	0.71	2283	6.39	4.54	0.71	2423	5.89	4.18	0.71	2516
24	20	7.31	4.31	0.59	2377	6.82	4.02	0.59	2493	6.32	3.73	0.59	2633
24	22	7.74	3.64	0.47	2470	7.24	3.40	0.47	2610	6.75	3.17	0.47	2703
24	24	8.17	2.86	0.35	2563	7.67	2.68	0.35	2680	7.24	2.53	0.35	2796
25	18	6.96	5.22	0.75	2283	6.39	4.79	0.75	2423	5.89	4.42	0.75	2516
25	20	7.31	4.61	0.63	2377	6.82	4.29	0.63	2493	6.32	3.98	0.63	2633
25	22	7.74	3.95	0.51	2470	7.24	3.69	0.51	2610	6.75	3.44	0.51	2703
25	24	8.17	3.18	0.39	2563	7.67	2.99	0.39	2680	7.24	2.82	0.39	2796
26	18	6.96	5.50	0.79	2283	6.39	5.05	0.79	2423	5.89	4.66	0.79	2516
26	20	7.31	4.90	0.67	2377	6.82	4.57	0.67	2493	6.32	4.23	0.67	2633
26	22	7.74	4.26	0.55	2470	7.24	3.98	0.55	2610	6.75	3.71	0.55	2703
26	24	8.17	3.51	0.43	2563	7.67	3.30	0.43	2680	7.24	3.11	0.43	2796
26	26	8.59	2.66	0.31	2656	8.09	2.51	0.31	2773	7.60	2.36	0.31	2889
27	18	6.96	5.78	0.83	2283	6.39	5.30	0.83	2423	5.89	4.89	0.83	2516
27	20	7.31	5.19	0.71	2377	6.82	4.84	0.71	2493	6.32	4.49	0.71	2633
27	22	7.74	4.57	0.59	2470	7.24	4.27	0.59	2610	6.75	3.98	0.59	2703
27	24	8.17	3.84	0.47	2563	7.67	3.60	0.47	2680	7.24	3.40	0.47	2796
27	26	8.59	3.01	0.35	2656	8.09	2.83	0.35	2773	7.60	2.66	0.35	2889
28	18	6.96	6.05	0.87	2283	6.39	5.56	0.87	2423	5.89	5.13	0.87	2516
28	20	7.31	5.48	0.75	2377	6.82	5.11	0.75	2493	6.32	4.74	0.75	2633
28	22	7.74	4.88	0.63	2470	7.24	4.56	0.63	2610	6.75	4.25	0.63	2703
28	24	8.17	4.16	0.51	2563	7.67	3.91	0.51	2680	7.24	3.69	0.51	2796
28	26	8.59	3.35	0.39	2656	8.09	3.16	0.39	2773	7.60	2.96	0.39	2889
29	18	6.96	6.33	0.91	2283	6.39	5.81	0.91	2423	5.89	5.36	0.91	2516
29	20	7.31	5.78	0.79	2377	6.82	5.38	0.79	2493	6.32	4.99	0.79	2633
29	22	7.74	5.19	0.67	2470	7.24	4.85	0.67	2610	6.75	4.52	0.67	2703
29	24	8.17	4.49	0.55	2563	7.67	4.22	0.55	2680	7.24	3.98	0.55	2796
29	26	8.59	3.69	0.43	2656	8.09	3.48	0.43	2773	7.60	3.27	0.43	2889
30	18	6.96	6.61	0.95	2283	6.39	6.07	0.95	2423	5.89	5.60	0.95	2516
30	20	7.31	6.07	0.83	2377	6.82	5.66	0.83	2493	6.32	5.24	0.83	2633
30	22	7.74	5.49	0.71	2470	7.24	5.14	0.71	2610	6.75	4.79	0.71	2703
30	24	8.17	4.82	0.59	2563	7.67	4.52	0.59	2680	7.24	4.27	0.59	2796
30	26	8.59	4.04	0.47	2656	8.09	3.80	0.47	2773	7.60	3.57	0.47	2889
31	18	6.96	6.89	0.99	2283	6.39	6.33	0.99	2423	5.89	5.83	0.99	2516
31	20	7.31	6.36	0.87	2377	6.82	5.93	0.87	2493	6.32	5.50	0.87	2633
31	22	7.74	5.80	0.75	2470	7.24	5.43	0.75	2610	6.75	5.06	0.75	2703
31	24	8.17	5.14	0.63	2563	7.67	4.83	0.63	2680	7.24	4.56	0.63	2796
31	26	8.59	4.38	0.51	2656	8.09	4.13	0.51	2773	7.60	3.87	0.51	2889
32	18	6.96	6.96	1.00	2283	6.39	6.39	1.00	2423	5.89	5.89	1.00	2516
32	20	7.31	6.65	0.91	2377	6.82	6.20	0.91	2493	6.32	5.75	0.91	2633
32	22	7.74	6.11	0.79	2470	7.24	5.72	0.79	2610	6.75	5.33	0.79	2703
32	24	8.17	5.47	0.67	2563	7.67	5.14	0.67	2680	7.24	4.85	0.67	2796
32	26	8.59	4.73	0.55	2656	8.09	4.45	0.55	2773	7.60	4.18	0.55	2889

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

Heating performance data

MSZ-LN25VG2W/V/B/R: MUZ-LN25VG2

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	8.16	5.45	7.75	5.03	7.20	4.65	6.64	4.29	6.08	3.92
	15	7.37	5.15	7.09	4.76	6.75	4.39	6.28	4.05	5.74	3.71
	12	6.90	4.96	6.64	4.58	6.36	4.22	6.04	3.90	5.52	3.57
	7	6.11	4.61	5.88	4.25	5.65	3.93	5.40	3.62	5.13	3.31
	2	5.33	4.22	5.12	3.90	4.93	3.60	4.74	3.32	4.52	3.04
	-7	3.91	3.41	3.76	3.15	3.62	2.91	3.48	2.68	3.32	2.46
	-10	3.44	3.11	3.31	2.87	3.18	2.65	3.06	2.44	2.92	2.24
	-15	2.65	2.55	2.55	2.35	2.45	2.17	2.36	2.00	2.25	1.83
Rated frequency	20	4.76	8.14	4.57	7.52	4.40	6.94	4.23	6.40	4.11	6.02
	15	4.31	7.54	4.15	6.96	3.99	6.42	3.83	5.93	3.70	5.58
	12	4.06	7.23	3.91	6.67	3.76	6.16	3.61	5.69	3.47	5.32
	7	3.62	6.80	3.48	6.28	3.35	5.80	3.22	5.35	3.06	4.90
	2	3.17	6.41	3.05	5.92	2.93	5.46	2.82	5.04	2.65	4.53
	-7	2.36	6.08	2.27	5.61	2.18	5.18	2.10	4.78	1.93	4.05
	-10	2.09	6.06	2.01	5.59	1.93	5.16	1.86	4.76	1.68	3.95
	-15	1.65	6.00	1.58	5.54	1.52	5.12	1.46	4.72	1.27	3.76
Minimum frequency	20	1.04	7.12	1.00	6.58	0.96	6.07	0.92	5.60	0.90	5.27
	15	0.94	6.60	0.91	6.09	0.87	5.62	0.84	5.19	0.81	4.88
	12	0.89	6.33	0.85	5.84	0.82	5.39	0.79	4.98	0.76	4.66
	7	0.79	5.95	0.76	5.49	0.73	5.07	0.70	4.68	0.67	4.29
	2	0.69	5.61	0.67	5.18	0.64	4.78	0.62	4.41	0.58	3.96
	-7	0.52	5.32	0.50	4.91	0.48	4.53	0.46	4.18	0.42	3.55
	-10	0.46	5.30	0.44	4.89	0.42	4.52	0.41	4.17	0.37	3.45
	-15	0.36	5.25	0.35	4.85	0.33	4.48	0.32	4.13	0.28	3.29

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-LN25VG2W/V/B/R: MUZ-LN25VGHZ2

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	8.99	4.57	8.64	4.22	8.31	3.90	7.82	3.60	7.19	3.29
	15	8.26	4.46	7.94	4.12	7.64	3.80	7.34	3.51	6.95	3.21
	12	7.82	4.39	7.52	4.05	7.23	3.74	6.95	3.45	6.62	3.16
	7	7.10	4.25	6.82	3.92	6.56	3.62	6.30	3.34	6.02	3.06
	2	6.37	4.09	6.12	3.78	5.89	3.49	5.66	3.22	5.40	2.94
	-7	5.06	3.58	4.87	3.31	4.68	3.06	4.50	2.83	4.29	2.59
	-10	4.62	3.44	4.45	3.18	4.27	2.94	4.11	2.72	3.92	2.49
	-15	3.90	3.17	3.75	2.93	3.60	2.71	3.46	2.50	3.30	2.29
	-20	3.17	2.83	3.05	2.62	2.93	2.43	2.82	2.24	2.69	2.06
	-25	2.44	2.45	2.35	2.27	2.26	2.10	2.17	1.94	2.07	1.78
Rated frequency	20	4.76	8.14	4.57	7.52	4.40	6.94	4.23	6.40	4.11	6.02
	15	4.31	7.54	4.15	6.96	3.99	6.42	3.83	5.93	3.70	5.58
	12	4.06	7.23	3.91	6.67	3.76	6.16	3.61	5.69	3.47	5.32
	7	3.62	6.80	3.48	6.28	3.35	5.80	3.22	5.35	3.06	4.90
	2	3.17	6.41	3.05	5.92	2.93	5.46	2.82	5.04	2.65	4.53
	-7	2.36	5.26	2.27	4.88	2.18	4.53	2.10	4.20	1.93	3.60
	-10	2.09	5.15	2.01	4.79	1.93	4.44	1.86	4.13	1.68	3.46
	-15	1.65	4.92	1.58	4.57	1.52	4.25	1.46	3.95	1.27	3.19
	-20	1.23	4.57	1.18	4.26	1.13	3.96	1.09	3.69	0.86	2.75
	-25	0.78	4.03	0.75	3.76	0.72	3.51	0.69	3.28	0.48	2.11
Minimum frequency	20	1.19	7.18	1.14	6.63	1.10	6.12	1.06	5.65	1.03	5.32
	15	1.08	6.65	1.04	6.14	1.00	5.67	0.96	5.23	0.92	4.93
	12	1.02	6.38	0.98	5.89	0.94	5.44	0.90	5.02	0.87	4.70
	7	0.91	6.00	0.87	5.54	0.84	5.11	0.80	4.72	0.76	4.32
	2	0.79	5.65	0.76	5.22	0.73	4.82	0.70	4.45	0.66	3.99
	-7	0.59	3.46	0.57	3.24	0.55	3.04	0.52	2.84	0.48	2.47
	-10	0.52	3.31	0.50	3.10	0.48	2.90	0.46	2.72	0.42	2.32
	-15	0.41	2.98	0.40	2.80	0.38	2.63	0.37	2.47	0.32	2.03
	-20	0.31	2.57	0.29	2.42	0.28	2.28	0.27	2.14	0.22	1.63
	-25	0.19	2.00	0.19	1.89	0.18	1.79	0.17	1.69	0.12	1.13

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-LN35VG2W/V/B/R: MUZ-LN35VG2

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	9.30	4.63	8.94	4.28	8.54	3.95	7.94	3.64	7.29	3.33
	15	8.46	4.50	8.13	4.16	7.82	3.84	7.52	3.54	7.02	3.24
	12	7.96	4.42	7.65	4.08	7.36	3.76	7.07	3.48	6.71	3.18
	7	7.12	4.26	6.84	3.93	6.58	3.63	6.30	3.35	6.04	3.06
	2	6.28	4.07	6.04	3.75	5.81	3.47	5.58	3.20	5.33	2.93
	-7	4.77	3.63	4.59	3.35	4.41	3.09	4.24	2.86	4.05	2.61
	-10	4.27	3.45	4.11	3.19	3.95	2.94	3.80	2.71	3.62	2.48
	-15	3.43	3.09	3.30	2.85	3.17	2.64	3.05	2.43	2.91	2.22
Rated frequency	20	5.94	7.45	5.72	6.87	5.50	6.35	5.28	5.86	5.13	5.51
	15	5.39	6.90	5.18	6.37	4.98	5.88	4.79	5.42	4.62	5.11
	12	5.08	6.61	4.88	6.10	4.70	5.63	4.52	5.20	4.34	4.87
	7	4.53	6.22	4.35	5.74	4.18	5.30	4.02	4.89	3.82	4.48
	2	3.96	5.86	3.81	5.41	3.66	4.99	3.52	4.61	3.31	4.14
	-7	2.95	5.56	2.84	5.13	2.73	4.74	2.62	4.37	2.41	3.71
	-10	2.61	5.54	2.51	5.11	2.42	4.72	2.32	4.36	2.10	3.61
	-15	2.06	5.49	1.98	5.07	1.90	4.68	1.83	4.32	1.59	3.44
Minimum frequency	20	1.34	8.08	1.29	7.46	1.24	6.89	1.19	6.36	1.15	5.98
	15	1.21	7.48	1.17	6.91	1.12	6.38	1.08	5.89	1.04	5.54
	12	1.14	7.18	1.10	6.62	1.06	6.12	1.02	5.65	0.98	5.28
	7	1.02	6.75	0.98	6.23	0.94	5.75	0.91	5.31	0.86	4.86
	2	0.89	6.36	0.86	5.87	0.82	5.42	0.79	5.00	0.74	4.49
	-7	0.66	6.03	0.64	5.57	0.61	5.14	0.59	4.75	0.54	4.02
	-10	0.59	6.01	0.57	5.55	0.54	5.12	0.52	4.73	0.47	3.92
	-15	0.46	5.96	0.45	5.50	0.43	5.08	0.41	4.69	0.36	3.73

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-LN35VG2W/V/B/R: MUZ-LN35VGHZ2

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	8.97	3.89	8.34	3.59	7.70	3.32	7.11	3.06	6.50	2.80
	15	8.42	3.81	8.08	3.51	7.52	3.24	6.96	2.99	6.36	2.74
	12	8.04	3.75	7.73	3.46	7.37	3.20	6.85	2.95	6.27	2.70
	7	7.41	3.65	7.12	3.37	6.85	3.11	6.60	2.87	6.10	2.63
	2	6.78	3.54	6.51	3.27	6.26	3.02	6.02	2.78	5.72	2.55
	-7	5.64	3.19	5.42	2.95	5.21	2.72	5.01	2.52	4.78	2.30
	-10	5.26	3.09	5.06	2.86	4.86	2.64	4.67	2.44	4.46	2.24
	-15	4.63	2.92	4.45	2.70	4.28	2.49	4.11	2.30	3.92	2.11
	-20	3.99	2.71	3.84	2.51	3.69	2.32	3.55	2.14	3.39	1.96
	-25	3.36	2.48	3.23	2.30	3.11	2.12	2.99	1.96	2.85	1.80
Rated frequency	20	5.94	7.45	5.72	6.87	5.50	6.35	5.28	5.86	5.13	5.51
	15	5.39	6.90	5.18	6.37	4.98	5.88	4.79	5.42	4.62	5.11
	12	5.08	6.61	4.88	6.10	4.70	5.63	4.52	5.20	4.34	4.87
	7	4.53	6.22	4.35	5.74	4.18	5.30	4.02	4.89	3.82	4.48
	2	3.96	5.86	3.81	5.41	3.66	4.99	3.52	4.61	3.31	4.14
	-7	2.95	4.99	2.84	4.63	2.73	4.29	2.62	3.97	2.41	3.39
	-10	2.61	4.91	2.51	4.55	2.42	4.22	2.32	3.91	2.10	3.27
	-15	2.06	4.73	1.98	4.39	1.90	4.07	1.83	3.78	1.59	3.04
	-20	1.53	4.45	1.47	4.14	1.42	3.84	1.36	3.57	1.08	2.66
	-25	0.97	4.01	0.93	3.74	0.90	3.48	0.86	3.24	0.60	2.08
Minimum frequency	20	1.34	8.08	1.29	7.46	1.24	6.89	1.19	6.36	1.15	5.98
	15	1.21	7.48	1.17	6.91	1.12	6.38	1.08	5.89	1.04	5.54
	12	1.14	7.18	1.10	6.62	1.06	6.12	1.02	5.65	0.98	5.28
	7	1.02	6.75	0.98	6.23	0.94	5.75	0.91	5.31	0.86	4.86
	2	0.89	6.36	0.86	5.87	0.82	5.42	0.79	5.00	0.74	4.49
	-7	0.66	3.90	0.64	3.65	0.61	3.42	0.59	3.20	0.54	2.78
	-10	0.59	3.72	0.57	3.49	0.54	3.27	0.52	3.06	0.47	2.61
	-15	0.46	3.36	0.45	3.15	0.43	2.96	0.41	2.78	0.36	2.29
	-20	0.34	2.89	0.33	2.72	0.32	2.56	0.31	2.41	0.24	1.84
	-25	0.22	2.25	0.21	2.13	0.20	2.02	0.19	1.91	0.14	1.27

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-LN50VG2W/V/B/R: MUZ-LN50VG2

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	11.95	3.81	11.12	3.52	10.28	3.25	9.49	3.00	8.68	2.74
	15	10.99	3.70	10.57	3.41	9.90	3.15	9.20	2.91	8.42	2.66
	12	10.34	3.62	9.95	3.34	9.50	3.08	9.01	2.85	8.24	2.60
	7	9.26	3.47	8.91	3.21	8.56	2.96	8.20	2.73	7.77	2.50
	2	8.18	3.31	7.87	3.05	7.56	2.82	7.27	2.60	6.94	2.38
	-7	6.24	2.93	6.00	2.70	5.77	2.49	5.54	2.30	5.29	2.11
	-10	5.59	2.77	5.37	2.56	5.17	2.36	4.97	2.18	4.74	2.00
	-15	4.51	2.47	4.33	2.28	4.17	2.11	4.01	1.94	3.82	1.78
Rated frequency	20	8.92	6.19	8.57	5.71	8.24	5.27	7.93	4.87	7.70	4.58
	15	8.09	5.73	7.78	5.29	7.48	4.88	7.19	4.51	6.94	4.24
	12	7.62	5.50	7.33	5.07	7.04	4.68	6.77	4.32	6.50	4.05
	7	6.79	5.17	6.53	4.77	6.28	4.41	6.03	4.07	5.74	3.72
	2	5.94	4.87	5.72	4.50	5.50	4.15	5.28	3.83	4.97	3.44
	-7	4.43	4.62	4.26	4.27	4.09	3.94	3.93	3.63	3.62	3.08
	-10	3.92	4.60	3.77	4.25	3.62	3.92	3.48	3.62	3.16	3.00
	-15	3.09	4.56	2.97	4.21	2.86	3.89	2.75	3.59	2.38	2.86
Minimum frequency	20	1.49	8.98	1.43	8.29	1.37	7.65	1.32	7.06	1.28	6.64
	15	1.35	8.32	1.30	7.68	1.25	7.09	1.20	6.54	1.16	6.16
	12	1.27	7.97	1.22	7.36	1.17	6.79	1.13	6.27	1.08	5.87
	7	1.13	7.50	1.09	6.92	1.05	6.39	1.01	5.90	0.96	5.40
	2	0.99	7.07	0.95	6.52	0.92	6.02	0.88	5.56	0.83	4.99
	-7	0.74	6.70	0.71	6.19	0.68	5.71	0.66	5.27	0.60	4.47
	-10	0.65	6.68	0.63	6.17	0.60	5.69	0.58	5.25	0.53	4.35
	-15	0.51	6.62	0.50	6.11	0.48	5.64	0.46	5.21	0.40	4.14

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-LN50VG2W/V/B/R: MUZ-LN50VGHZ2

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	11.61	3.77	11.16	3.48	10.73	3.21	10.22	2.96	9.38	2.71
	15	10.89	3.65	10.47	3.37	10.07	3.11	9.68	2.87	9.07	2.63
	12	10.46	3.58	10.06	3.30	9.67	3.05	9.30	2.82	8.83	2.58
	7	9.74	3.45	9.37	3.19	9.01	2.94	8.70	2.72	8.26	2.48
	2	9.02	3.31	8.68	3.06	8.34	2.82	8.02	2.61	7.65	2.38
	-7	7.73	2.90	7.43	2.68	7.15	2.48	6.87	2.29	6.56	2.10
	-10	7.30	2.80	7.02	2.59	6.75	2.40	6.49	2.22	6.19	2.03
	-15	6.58	2.63	6.33	2.43	6.08	2.25	5.85	2.08	5.58	1.90
	-20	5.86	2.44	5.64	2.25	5.42	2.08	5.21	1.93	4.97	1.77
	-25	5.14	2.23	4.95	2.07	4.76	1.91	4.57	1.77	4.36	1.62
Rated frequency	20	8.92	6.19	8.57	5.71	8.24	5.27	7.93	4.87	7.70	4.58
	15	8.09	5.73	7.78	5.29	7.48	4.88	7.19	4.51	6.94	4.24
	12	7.62	5.50	7.33	5.07	7.04	4.68	6.77	4.32	6.50	4.05
	7	6.79	5.17	6.53	4.77	6.28	4.41	6.03	4.07	5.74	3.72
	2	5.94	4.87	5.72	4.50	5.50	4.15	5.28	3.83	4.97	3.44
	-7	4.43	4.10	4.26	3.80	4.09	3.53	3.93	3.27	3.62	2.79
	-10	3.92	4.03	3.77	3.74	3.62	3.47	3.48	3.22	3.16	2.69
	-15	3.09	3.87	2.97	3.60	2.86	3.34	2.75	3.10	2.38	2.49
	-20	2.30	3.63	2.21	3.38	2.12	3.14	2.04	2.92	1.62	2.17
	-25	1.45	3.25	1.40	3.03	1.34	2.82	1.29	2.63	0.90	1.69
Minimum frequency	20	2.68	8.33	2.57	7.69	2.47	7.10	2.38	6.55	2.31	6.16
	15	2.43	7.71	2.33	7.12	2.24	6.57	2.16	6.07	2.08	5.71
	12	2.29	7.39	2.20	6.83	2.11	6.30	2.03	5.82	1.95	5.44
	7	2.04	6.96	1.96	6.42	1.88	5.93	1.81	5.47	1.72	5.01
	2	1.78	6.55	1.71	6.05	1.65	5.58	1.59	5.16	1.49	4.63
	-7	1.33	3.97	1.28	3.72	1.23	3.48	1.18	3.26	1.09	2.84
	-10	1.18	3.79	1.13	3.55	1.09	3.33	1.05	3.12	0.95	2.67
	-15	0.93	3.41	0.89	3.21	0.86	3.01	0.82	2.83	0.71	2.33
	-20	0.69	2.93	0.66	2.76	0.64	2.60	0.61	2.45	0.49	1.87
	-25	0.44	2.28	0.42	2.16	0.40	2.04	0.39	1.93	0.27	1.28

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-LN60VG2W/V/B/R: MUZ-LN60VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	12.72	3.72	11.87	3.44	10.98	3.17	10.13	2.93	9.27	2.68
	15	11.84	3.62	11.38	3.34	10.65	3.09	9.86	2.85	9.02	2.61
	12	11.31	3.56	10.88	3.28	10.39	3.03	9.68	2.80	8.86	2.56
	7	10.44	3.44	10.03	3.18	9.65	2.93	9.30	2.71	8.57	2.47
	2	9.56	3.31	9.19	3.06	8.84	2.82	8.50	2.60	8.07	2.38
	-7	7.98	3.04	7.67	2.81	7.38	2.59	7.09	2.39	6.77	2.19
	-10	7.45	2.94	7.16	2.72	6.89	2.51	6.62	2.31	6.32	2.12
	-15	6.57	2.76	6.32	2.54	6.08	2.35	5.84	2.17	5.58	1.98
Rated frequency	20	10.11	5.74	9.72	5.29	9.34	4.89	8.98	4.51	8.73	4.24
	15	9.16	5.31	8.81	4.90	8.47	4.53	8.15	4.18	7.86	3.93
	12	8.63	5.09	8.30	4.70	7.98	4.34	7.68	4.01	7.37	3.75
	7	7.69	4.79	7.40	4.42	7.11	4.08	6.84	3.77	6.50	3.45
	2	6.74	4.51	6.48	4.17	6.23	3.85	5.99	3.55	5.63	3.19
	-7	5.02	4.28	4.82	3.95	4.64	3.65	4.46	3.37	4.10	2.86
	-10	4.44	4.27	4.27	3.94	4.11	3.64	3.95	3.36	3.58	2.78
	-15	3.50	4.23	3.37	3.90	3.24	3.60	3.11	3.33	2.70	2.65
Minimum frequency	20	2.68	8.33	2.57	7.69	2.47	7.10	2.38	6.55	2.31	6.16
	15	2.43	7.71	2.33	7.12	2.24	6.57	2.16	6.07	2.08	5.71
	12	2.29	7.39	2.20	6.83	2.11	6.30	2.03	5.82	1.95	5.44
	7	2.04	6.96	1.96	6.42	1.88	5.93	1.81	5.47	1.72	5.01
	2	1.78	6.55	1.71	6.05	1.65	5.58	1.59	5.16	1.49	4.63
	-7	1.33	6.22	1.28	5.74	1.23	5.30	1.18	4.89	1.09	4.15
	-10	1.18	6.19	1.13	5.72	1.09	5.28	1.05	4.87	0.95	4.04
	-15	0.93	6.14	0.89	5.67	0.86	5.23	0.82	4.83	0.71	3.84

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-FT25VG, MSZ-FT25VGK: MUZ-FT25VGHZ

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	8.46	3.91	7.89	3.61	7.29	3.33	6.73	3.08	6.15	2.81
	15	7.88	3.79	7.58	3.50	7.06	3.23	6.52	2.98	5.96	2.73
	12	7.53	3.72	7.24	3.43	6.91	3.17	6.39	2.92	5.84	2.67
	7	6.96	3.58	6.69	3.30	6.43	3.05	6.20	2.81	5.63	2.57
	2	6.38	3.43	6.13	3.17	5.90	2.92	5.67	2.70	5.37	2.47
	-7	5.34	3.02	5.13	2.79	4.94	2.58	4.75	2.38	4.53	2.18
	-10	4.99	2.91	4.80	2.69	4.62	2.48	4.44	2.29	4.23	2.10
	-15	4.41	2.70	4.24	2.50	4.08	2.31	3.92	2.13	3.74	1.95
	-20	3.84	2.47	3.69	2.29	3.55	2.12	3.41	1.96	3.25	1.79
	-25	3.26	2.23	3.13	2.06	3.01	1.90	2.90	1.76	2.76	1.61
Rated frequency	20	4.76	6.43	4.57	5.93	4.40	5.48	4.23	5.06	4.11	4.76
	15	4.31	5.95	4.15	5.49	3.99	5.07	3.83	4.68	3.70	4.41
	12	4.06	5.71	3.91	5.27	3.76	4.86	3.61	4.49	3.47	4.20
	7	3.62	5.37	3.48	4.96	3.35	4.58	3.22	4.22	3.06	3.87
	2	3.17	5.06	3.05	4.67	2.93	4.31	2.82	3.98	2.65	3.57
	-7	2.36	4.27	2.27	3.96	2.18	3.67	2.10	3.40	1.93	2.91
	-10	2.09	4.20	2.01	3.90	1.93	3.61	1.86	3.35	1.68	2.80
	-15	1.65	4.04	1.58	3.75	1.52	3.48	1.46	3.23	1.27	2.60
	-20	1.23	3.79	1.18	3.52	1.13	3.28	1.09	3.05	0.86	2.27
	-25	0.78	3.39	0.75	3.17	0.72	2.95	0.69	2.75	0.48	1.76
Minimum frequency	20	1.34	8.59	1.29	7.93	1.24	7.32	1.19	6.75	1.15	6.35
	15	1.21	7.95	1.17	7.34	1.12	6.78	1.08	6.26	1.04	5.89
	12	1.14	7.63	1.10	7.04	1.06	6.50	1.02	6.00	0.98	5.61
	7	1.02	7.17	0.98	6.62	0.94	6.11	0.91	5.64	0.86	5.17
	2	0.89	6.76	0.86	6.24	0.82	5.76	0.79	5.32	0.74	4.78
	-7	0.66	4.05	0.64	3.80	0.61	3.55	0.59	3.33	0.54	2.90
	-10	0.59	3.86	0.57	3.62	0.54	3.39	0.52	3.18	0.47	2.72
	-15	0.46	3.47	0.45	3.26	0.43	3.07	0.41	2.88	0.36	2.37
	-20	0.34	2.97	0.33	2.80	0.32	2.64	0.31	2.49	0.24	1.90
	-25	0.22	2.30	0.21	2.18	0.20	2.06	0.19	1.95	0.14	1.30

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-FT35VG, MSZ-FT35VGK: MUZ-FT35VGHZ

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	8.89	4.05	8.55	3.73	8.22	3.45	7.91	3.18	7.41	2.91
	15	8.32	3.90	8.00	3.60	7.69	3.32	7.40	3.07	7.06	2.81
	12	7.97	3.81	7.67	3.52	7.37	3.25	7.09	3.00	6.76	2.74
	7	7.40	3.65	7.11	3.37	6.84	3.11	6.60	2.87	6.27	2.62
	2	6.82	3.48	6.56	3.21	6.31	2.96	6.06	2.73	5.78	2.50
	-7	5.78	3.04	5.56	2.81	5.35	2.60	5.14	2.40	4.91	2.20
	-10	5.44	2.92	5.23	2.70	5.03	2.49	4.83	2.30	4.61	2.11
	-15	4.86	2.70	4.67	2.50	4.49	2.31	4.32	2.14	4.12	1.96
	-20	4.29	2.47	4.12	2.29	3.96	2.11	3.81	1.95	3.63	1.79
	-25	3.71	2.23	3.57	2.06	3.43	1.91	3.30	1.76	3.15	1.61
Rated frequency	20	5.94	5.99	5.72	5.53	5.50	5.10	5.28	4.71	5.13	4.43
	15	5.39	5.54	5.18	5.12	4.98	4.72	4.79	4.36	4.62	4.10
	12	5.08	5.32	4.88	4.91	4.70	4.53	4.52	4.18	4.34	3.91
	7	4.53	5.00	4.35	4.62	4.18	4.26	4.02	3.93	3.82	3.60
	2	3.96	4.71	3.81	4.35	3.66	4.02	3.52	3.71	3.31	3.33
	-7	2.95	4.09	2.84	3.79	2.73	3.51	2.62	3.25	2.41	2.77
	-10	2.61	4.04	2.51	3.74	2.42	3.47	2.32	3.21	2.10	2.68
	-15	2.06	3.91	1.98	3.62	1.90	3.36	1.83	3.11	1.59	2.50
	-20	1.53	3.71	1.47	3.44	1.42	3.19	1.36	2.97	1.08	2.20
	-25	0.97	3.38	0.93	3.15	0.90	2.93	0.86	2.72	0.60	1.74
Minimum frequency	20	1.34	8.59	1.29	7.93	1.24	7.32	1.19	6.75	1.15	6.35
	15	1.21	7.95	1.17	7.34	1.12	6.78	1.08	6.26	1.04	5.89
	12	1.14	7.63	1.10	7.04	1.06	6.50	1.02	6.00	0.98	5.61
	7	1.02	7.17	0.98	6.62	0.94	6.11	0.91	5.64	0.86	5.17
	2	0.89	6.76	0.86	6.24	0.82	5.76	0.79	5.32	0.74	4.78
	-7	0.66	4.05	0.64	3.80	0.61	3.55	0.59	3.33	0.54	2.90
	-10	0.59	3.86	0.57	3.62	0.54	3.39	0.52	3.18	0.47	2.72
	-15	0.46	3.47	0.45	3.26	0.43	3.07	0.41	2.88	0.36	2.37
	-20	0.34	2.97	0.33	2.80	0.32	2.64	0.31	2.49	0.24	1.90
	-25	0.22	2.30	0.21	2.18	0.20	2.06	0.19	1.95	0.14	1.30

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-FT50VG, MSZ-FT50VGK: MUZ-FT50VGHZ

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	10.73	3.81	10.32	3.51	9.89	3.24	9.20	2.99	8.42	2.74
	15	9.97	3.71	9.59	3.42	9.22	3.16	8.87	2.92	8.19	2.67
	12	9.52	3.65	9.15	3.37	8.80	3.11	8.46	2.87	8.00	2.62
	7	8.76	3.53	8.42	3.26	8.10	3.01	7.80	2.78	7.43	2.54
	2	8.00	3.41	7.69	3.15	7.39	2.90	7.11	2.68	6.78	2.45
	-7	6.63	2.97	6.38	2.75	6.13	2.54	5.90	2.35	5.62	2.15
	-10	6.18	2.87	5.94	2.65	5.71	2.46	5.49	2.27	5.24	2.08
	-15	5.42	2.68	5.21	2.48	5.01	2.29	4.82	2.12	4.59	1.94
	-20	4.66	2.46	4.48	2.28	4.31	2.11	4.14	1.95	3.95	1.79
	-25	3.90	2.22	3.75	2.06	3.60	1.90	3.47	1.76	3.31	1.62
Rated frequency	20	7.43	5.87	7.14	5.42	6.87	5.00	6.61	4.62	6.42	4.34
	15	6.74	5.44	6.48	5.02	6.23	4.63	5.99	4.28	5.78	4.03
	12	6.35	5.21	6.10	4.81	5.87	4.44	5.64	4.10	5.42	3.84
	7	5.66	4.90	5.44	4.53	5.23	4.18	5.03	3.86	4.78	3.53
	2	4.95	4.62	4.76	4.27	4.58	3.94	4.40	3.64	4.14	3.27
	-7	3.69	3.83	3.55	3.56	3.41	3.30	3.28	3.06	3.02	2.62
	-10	3.27	3.76	3.14	3.49	3.02	3.24	2.90	3.01	2.63	2.52
	-15	2.57	3.60	2.48	3.34	2.38	3.11	2.29	2.89	1.98	2.32
	-20	1.91	3.35	1.84	3.12	1.77	2.91	1.70	2.70	1.35	2.02
	-25	1.21	2.97	1.16	2.78	1.12	2.59	1.08	2.42	0.75	1.55
Minimum frequency	20	1.34	8.59	1.29	7.93	1.24	7.32	1.19	6.75	1.15	6.35
	15	1.21	7.95	1.17	7.34	1.12	6.78	1.08	6.26	1.04	5.89
	12	1.14	7.63	1.10	7.04	1.06	6.50	1.02	6.00	0.98	5.61
	7	1.02	7.17	0.98	6.62	0.94	6.11	0.91	5.64	0.86	5.17
	2	0.89	6.76	0.86	6.24	0.82	5.76	0.79	5.32	0.74	4.78
	-7	0.66	2.96	0.64	2.80	0.61	2.64	0.59	2.48	0.54	2.19
	-10	0.59	2.77	0.57	2.61	0.54	2.47	0.52	2.33	0.47	2.02
	-15	0.46	2.39	0.45	2.27	0.43	2.14	0.41	2.03	0.36	1.69
	-20	0.34	1.96	0.33	1.86	0.32	1.76	0.31	1.67	0.24	1.29
	-25	0.22	1.41	0.21	1.35	0.20	1.28	0.19	1.22	0.14	0.83

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-AP15VG, MSZ-AP15VGK: MUZ-AP15VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	3.80	3.20	3.55	2.96	3.30	2.73	3.04	2.52	2.78	2.31
	15	3.51	3.17	3.37	2.93	3.22	2.70	3.00	2.49	2.75	2.28
	12	3.33	3.15	3.20	2.90	3.07	2.68	2.93	2.47	2.73	2.26
	7	3.04	3.10	2.92	2.86	2.81	2.64	2.70	2.44	2.57	2.23
	2	2.74	3.05	2.64	2.82	2.54	2.60	2.44	2.40	2.33	2.19
	-7	2.21	2.93	2.13	2.70	2.05	2.49	1.97	2.30	1.88	2.11
	-10	2.04	2.88	1.96	2.65	1.88	2.45	1.81	2.26	1.73	2.07
	-15	1.74	2.77	1.67	2.56	1.61	2.36	1.55	2.18	1.48	1.99
Rated frequency	20	2.97	6.11	2.86	5.64	2.75	5.20	2.64	4.80	2.57	4.52
	15	2.70	5.65	2.59	5.22	2.49	4.82	2.40	4.45	2.31	4.19
	12	2.54	5.42	2.44	5.01	2.35	4.62	2.26	4.27	2.17	3.99
	7	2.26	5.10	2.18	4.71	2.09	4.35	2.01	4.01	1.91	3.67
	2	1.98	4.81	1.91	4.44	1.83	4.10	1.76	3.78	1.66	3.40
	-7	1.48	4.56	1.42	4.21	1.36	3.89	1.31	3.59	1.21	3.04
	-10	1.31	4.54	1.26	4.19	1.21	3.87	1.16	3.57	1.05	2.96
	-15	1.03	4.50	0.99	4.16	0.95	3.84	0.92	3.54	0.79	2.82
Minimum frequency	20	0.74	7.63	0.71	7.05	0.69	6.50	0.66	6.00	0.64	5.65
	15	0.67	7.07	0.65	6.52	0.62	6.02	0.60	5.56	0.58	5.23
	12	0.63	6.78	0.61	6.26	0.59	5.78	0.56	5.33	0.54	4.99
	7	0.57	6.38	0.54	5.89	0.52	5.43	0.50	5.02	0.48	4.59
	2	0.50	6.01	0.48	5.55	0.46	5.12	0.44	4.73	0.41	4.24
	-7	0.37	5.70	0.35	5.26	0.34	4.86	0.33	4.48	0.30	3.80
	-10	0.33	5.68	0.31	5.24	0.30	4.84	0.29	4.47	0.26	3.70
	-15	0.26	5.63	0.25	5.20	0.24	4.80	0.23	4.43	0.20	3.52

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-AP20VG, MSZ-AP20VGK: MUZ-AP20VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	4.62	2.99	4.28	2.76	3.95	2.55	3.65	2.36	3.34	2.15
	15	4.49	2.98	4.22	2.75	3.93	2.54	3.63	2.34	3.32	2.14
	12	4.28	2.97	4.09	2.74	3.90	2.53	3.61	2.33	3.30	2.13
	7	3.93	2.94	3.78	2.72	3.63	2.51	3.50	2.32	3.28	2.12
	2	3.58	2.92	3.45	2.69	3.31	2.49	3.19	2.30	3.04	2.10
	-7	2.96	2.86	2.85	2.64	2.74	2.44	2.63	2.25	2.51	2.06
	-10	2.75	2.83	2.65	2.62	2.54	2.42	2.45	2.23	2.33	2.04
	-15	2.41	2.78	2.31	2.57	2.22	2.37	2.14	2.19	2.04	2.00
Rated frequency	20	3.72	6.36	3.57	5.87	3.44	5.42	3.30	5.00	3.21	4.71
	15	3.37	5.89	3.24	5.44	3.12	5.02	3.00	4.63	2.89	4.36
	12	3.17	5.65	3.05	5.21	2.94	4.81	2.82	4.44	2.71	4.16
	7	2.83	5.31	2.72	4.90	2.62	4.53	2.51	4.18	2.39	3.83
	2	2.48	5.01	2.38	4.62	2.29	4.27	2.20	3.94	2.07	3.54
	-7	1.84	4.75	1.77	4.38	1.71	4.05	1.64	3.74	1.51	3.17
	-10	1.63	4.73	1.57	4.37	1.51	4.03	1.45	3.72	1.32	3.08
	-15	1.29	4.69	1.24	4.33	1.19	4.00	1.14	3.69	0.99	2.94
Minimum frequency	20	0.74	6.36	0.71	5.87	0.69	5.42	0.66	5.00	0.64	4.71
	15	0.67	5.89	0.65	5.44	0.62	5.02	0.60	4.63	0.58	4.36
	12	0.63	5.65	0.61	5.21	0.59	4.81	0.56	4.44	0.54	4.16
	7	0.57	5.31	0.54	4.90	0.52	4.53	0.50	4.18	0.48	3.83
	2	0.50	5.01	0.48	4.62	0.46	4.27	0.44	3.94	0.41	3.54
	-7	0.37	4.75	0.35	4.38	0.34	4.05	0.33	3.74	0.30	3.17
	-10	0.33	4.73	0.31	4.37	0.30	4.03	0.29	3.72	0.26	3.08
	-15	0.26	4.69	0.25	4.33	0.24	4.00	0.23	3.69	0.20	2.94

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-AP25VG, MSZ-AP25VGK: MUZ-AP25VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	5.80	4.77	5.58	4.41	5.36	4.07	5.16	3.76	4.92	3.43
	15	5.34	4.62	5.14	4.27	4.94	3.94	4.75	3.64	4.53	3.32
	12	5.07	4.52	4.88	4.17	4.69	3.85	4.51	3.56	4.30	3.25
	7	4.61	4.34	4.44	4.01	4.27	3.70	4.10	3.42	3.91	3.12
	2	4.16	4.14	4.00	3.82	3.84	3.53	3.70	3.26	3.53	2.98
	-7	3.34	3.71	3.21	3.43	3.09	3.16	2.97	2.92	2.83	2.67
	-10	3.06	3.55	2.95	3.27	2.83	3.02	2.72	2.79	2.60	2.55
	-15	2.61	3.24	2.51	2.99	2.41	2.76	2.32	2.55	2.21	2.33
Rated frequency	20	4.76	6.26	4.57	5.78	4.40	5.34	4.23	4.93	4.11	4.63
	15	4.31	5.80	4.15	5.35	3.99	4.94	3.83	4.56	3.70	4.29
	12	4.06	5.56	3.91	5.13	3.76	4.74	3.61	4.37	3.47	4.09
	7	3.62	5.23	3.48	4.83	3.35	4.46	3.22	4.12	3.06	3.77
	2	3.17	4.93	3.05	4.55	2.93	4.20	2.82	3.88	2.65	3.48
	-7	2.36	4.68	2.27	4.32	2.18	3.98	2.10	3.68	1.93	3.12
	-10	2.09	4.66	2.01	4.30	1.93	3.97	1.86	3.66	1.68	3.04
	-15	1.65	4.62	1.58	4.26	1.52	3.94	1.46	3.63	1.27	2.89
Minimum frequency	20	1.49	6.11	1.43	5.64	1.37	5.20	1.32	4.80	1.28	4.52
	15	1.35	5.65	1.30	5.22	1.25	4.82	1.20	4.45	1.16	4.19
	12	1.27	5.42	1.22	5.01	1.17	4.62	1.13	4.27	1.08	3.99
	7	1.13	5.10	1.09	4.71	1.05	4.35	1.01	4.01	0.96	3.67
	2	0.99	4.81	0.95	4.44	0.92	4.10	0.88	3.78	0.83	3.40
	-7	0.74	4.56	0.71	4.21	0.68	3.89	0.66	3.59	0.60	3.04
	-10	0.65	4.54	0.63	4.19	0.60	3.87	0.58	3.57	0.53	2.96
	-15	0.51	4.50	0.50	4.16	0.48	3.84	0.46	3.54	0.40	2.82

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-AP25VG, MSZ-AP25VGK: MUZ-AP25VGH

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	5.67	4.83	5.45	4.46	5.24	4.12	5.04	3.80	4.81	3.48
	15	5.26	4.66	5.06	4.30	4.86	3.97	4.68	3.66	4.46	3.35
	12	5.01	4.54	4.82	4.19	4.64	3.87	4.46	3.57	4.25	3.27
	7	4.61	4.35	4.43	4.01	4.26	3.70	4.10	3.42	3.91	3.13
	2	4.20	4.13	4.03	3.81	3.88	3.52	3.73	3.25	3.56	2.97
	-7	3.46	3.47	3.33	3.21	3.20	2.97	3.07	2.75	2.93	2.52
	-10	3.21	3.31	3.09	3.06	2.97	2.83	2.86	2.62	2.72	2.40
	-15	2.80	3.02	2.69	2.80	2.59	2.59	2.49	2.39	2.38	2.20
	-20	2.39	2.71	2.30	2.51	2.21	2.32	2.13	2.15	2.03	1.97
Rated frequency	20	4.76	6.26	4.57	5.78	4.40	5.34	4.23	4.93	4.11	4.63
	15	4.31	5.80	4.15	5.35	3.99	4.94	3.83	4.56	3.70	4.29
	12	4.06	5.56	3.91	5.13	3.76	4.74	3.61	4.37	3.47	4.09
	7	3.62	5.23	3.48	4.83	3.35	4.46	3.22	4.12	3.06	3.77
	2	3.17	4.93	3.05	4.55	2.93	4.20	2.82	3.88	2.65	3.48
	-7	2.36	4.18	2.27	3.87	2.18	3.59	2.10	3.33	1.93	2.84
	-10	2.09	4.11	2.01	3.81	1.93	3.53	1.86	3.27	1.68	2.74
	-15	1.65	3.95	1.58	3.67	1.52	3.40	1.46	3.16	1.27	2.54
	-20	1.23	3.71	1.18	3.45	1.13	3.21	1.09	2.98	0.86	2.22
Minimum frequency	20	1.49	6.11	1.43	5.64	1.37	5.20	1.32	4.80	1.28	4.52
	15	1.35	5.65	1.30	5.22	1.25	4.82	1.20	4.45	1.16	4.19
	12	1.27	5.42	1.22	5.01	1.17	4.62	1.13	4.27	1.08	3.99
	7	1.13	5.10	1.09	4.71	1.05	4.35	1.01	4.01	0.96	3.67
	2	0.99	4.81	0.95	4.44	0.92	4.10	0.88	3.78	0.83	3.40
	-7	0.74	3.32	0.71	3.10	0.68	2.89	0.66	2.70	0.60	2.33
	-10	0.65	3.20	0.63	2.99	0.60	2.79	0.58	2.61	0.53	2.21
	-15	0.51	2.95	0.50	2.76	0.48	2.58	0.46	2.41	0.40	1.97
	-20	0.38	2.60	0.37	2.44	0.35	2.29	0.34	2.15	0.27	1.63

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-AP35VG, MSZ-AP35VGK: MUZ-AP35VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	6.58	4.27	6.33	3.95	6.08	3.64	5.85	3.36	5.58	3.08
	15	6.04	4.19	5.81	3.87	5.59	3.57	5.37	3.29	5.12	3.01
	12	5.72	4.13	5.50	3.81	5.29	3.52	5.09	3.25	4.85	2.97
	7	5.18	4.02	4.98	3.71	4.79	3.43	4.60	3.16	4.40	2.89
	2	4.64	3.89	4.47	3.59	4.29	3.32	4.13	3.06	3.94	2.80
	-7	3.68	3.60	3.54	3.33	3.40	3.07	3.27	2.83	3.12	2.59
	-10	3.35	3.48	3.23	3.22	3.10	2.97	2.98	2.74	2.85	2.51
	-15	2.82	3.25	2.71	3.00	2.60	2.77	2.50	2.56	2.39	2.34
Rated frequency	20	5.94	5.93	5.72	5.47	5.50	5.05	5.28	4.66	5.13	4.39
	15	5.39	5.49	5.18	5.07	4.98	4.68	4.79	4.32	4.62	4.07
	12	5.08	5.26	4.88	4.86	4.70	4.49	4.52	4.14	4.34	3.87
	7	4.53	4.95	4.35	4.57	4.18	4.22	4.02	3.90	3.82	3.57
	2	3.96	4.67	3.81	4.31	3.66	3.98	3.52	3.67	3.31	3.30
	-7	2.95	4.43	2.84	4.09	2.73	3.77	2.62	3.48	2.41	2.95
	-10	2.61	4.41	2.51	4.07	2.42	3.76	2.32	3.47	2.10	2.87
	-15	2.06	4.37	1.98	4.04	1.90	3.73	1.83	3.44	1.59	2.74
Minimum frequency	20	1.93	5.67	1.86	5.23	1.79	4.83	1.72	4.46	1.67	4.20
	15	1.75	5.25	1.68	4.85	1.62	4.47	1.56	4.13	1.50	3.89
	12	1.65	5.04	1.59	4.65	1.53	4.29	1.47	3.96	1.41	3.71
	7	1.47	4.74	1.41	4.37	1.36	4.04	1.31	3.73	1.24	3.41
	2	1.29	4.46	1.24	4.12	1.19	3.80	1.15	3.51	1.08	3.15
	-7	0.96	4.23	0.92	3.91	0.89	3.61	0.85	3.33	0.78	2.82
	-10	0.85	4.22	0.82	3.89	0.79	3.59	0.76	3.32	0.68	2.75
	-15	0.67	4.18	0.64	3.86	0.62	3.56	0.60	3.29	0.52	2.62

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-AP35VG, MSZ-AP35VGK: MUZ-AP35VGH

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	6.40	4.29	6.16	3.96	5.92	3.65	5.69	3.37	5.43	3.09
	15	5.93	4.19	5.70	3.87	5.48	3.57	5.27	3.30	5.03	3.02
	12	5.64	4.13	5.43	3.82	5.22	3.52	5.02	3.25	4.79	2.97
	7	5.17	4.02	4.97	3.71	4.78	3.43	4.60	3.16	4.38	2.89
	2	4.69	3.89	4.51	3.59	4.34	3.32	4.17	3.06	3.98	2.80
	-7	3.84	3.42	3.69	3.16	3.55	2.93	3.41	2.71	3.26	2.48
	-10	3.55	3.31	3.42	3.06	3.29	2.83	3.16	2.62	3.01	2.40
	-15	3.08	3.09	2.96	2.86	2.85	2.65	2.74	2.45	2.61	2.25
	-20	2.60	2.85	2.50	2.63	2.41	2.44	2.32	2.25	2.21	2.07
Rated frequency	20	5.94	5.93	5.72	5.47	5.50	5.05	5.28	4.66	5.13	4.39
	15	5.39	5.49	5.18	5.07	4.98	4.68	4.79	4.32	4.62	4.07
	12	5.08	5.26	4.88	4.86	4.70	4.49	4.52	4.14	4.34	3.87
	7	4.53	4.95	4.35	4.57	4.18	4.22	4.02	3.90	3.82	3.57
	2	3.96	4.67	3.81	4.31	3.66	3.98	3.52	3.67	3.31	3.30
	-7	2.95	4.06	2.84	3.76	2.73	3.48	2.62	3.22	2.41	2.75
	-10	2.61	4.00	2.51	3.71	2.42	3.44	2.32	3.18	2.10	2.65
	-15	2.06	3.87	1.98	3.59	1.90	3.33	1.83	3.09	1.59	2.48
	-20	1.53	3.67	1.47	3.41	1.42	3.17	1.36	2.94	1.08	2.18
Minimum frequency	20	1.93	5.67	1.86	5.23	1.79	4.83	1.72	4.46	1.67	4.20
	15	1.75	5.25	1.68	4.85	1.62	4.47	1.56	4.13	1.50	3.89
	12	1.65	5.04	1.59	4.65	1.53	4.29	1.47	3.96	1.41	3.71
	7	1.47	4.74	1.41	4.37	1.36	4.04	1.31	3.73	1.24	3.41
	2	1.29	4.46	1.24	4.12	1.19	3.80	1.15	3.51	1.08	3.15
	-7	0.96	3.34	0.92	3.11	0.89	2.90	0.85	2.69	0.78	2.32
	-10	0.85	3.25	0.82	3.02	0.79	2.82	0.76	2.62	0.68	2.21
	-15	0.67	3.03	0.64	2.83	0.62	2.64	0.60	2.46	0.52	2.00
	-20	0.50	2.74	0.48	2.56	0.46	2.40	0.44	2.24	0.35	1.69

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-AP42VG, MSZ-AP42VGK: MUZ-AP42VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	8.32	4.37	8.00	4.03	7.69	3.72	7.40	3.43	7.05	3.14
	15	7.79	4.18	7.49	3.86	7.20	3.56	6.93	3.29	6.61	3.01
	12	7.47	4.07	7.19	3.75	6.91	3.47	6.65	3.20	6.34	2.93
	7	6.95	3.87	6.68	3.57	6.42	3.30	6.20	3.04	5.89	2.78
	2	6.42	3.66	6.17	3.38	5.93	3.12	5.70	2.88	5.44	2.63
	-7	5.46	3.26	5.25	3.01	5.05	2.78	4.86	2.56	4.63	2.35
	-10	5.15	3.12	4.95	2.88	4.76	2.66	4.58	2.45	4.37	2.24
	-15	4.62	2.87	4.44	2.65	4.27	2.45	4.11	2.26	3.92	2.07
Rated frequency	20	8.03	5.53	7.72	5.11	7.42	4.71	7.13	4.35	6.93	4.09
	15	7.28	5.12	7.00	4.73	6.73	4.37	6.47	4.03	6.24	3.79
	12	6.86	4.91	6.59	4.54	6.34	4.19	6.10	3.86	5.85	3.62
	7	6.11	4.62	5.87	4.27	5.65	3.94	5.43	3.64	5.16	3.33
	2	5.35	4.35	5.14	4.02	4.95	3.71	4.76	3.43	4.47	3.08
	-7	3.98	4.13	3.83	3.81	3.68	3.52	3.54	3.25	3.26	2.76
	-10	3.53	4.12	3.39	3.80	3.26	3.51	3.14	3.24	2.84	2.68
	-15	2.78	4.08	2.67	3.77	2.57	3.48	2.47	3.21	2.14	2.55
Minimum frequency	20	1.93	7.63	1.86	7.05	1.79	6.50	1.72	6.00	1.67	5.65
	15	1.75	7.07	1.68	6.52	1.62	6.02	1.56	5.56	1.50	5.23
	12	1.65	6.78	1.59	6.26	1.53	5.78	1.47	5.33	1.41	4.99
	7	1.47	6.38	1.41	5.89	1.36	5.43	1.31	5.02	1.24	4.59
	2	1.29	6.01	1.24	5.55	1.19	5.12	1.15	4.73	1.08	4.24
	-7	0.96	5.70	0.92	5.26	0.89	4.86	0.85	4.48	0.78	3.80
	-10	0.85	5.68	0.82	5.24	0.79	4.84	0.76	4.47	0.68	3.70
	-15	0.67	5.63	0.64	5.20	0.62	4.80	0.60	4.43	0.52	3.52

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-AP42VG, MSZ-AP42VGK: MUZ-AP42VGH

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	8.28	4.29	7.96	3.96	7.65	3.65	7.36	3.37	6.94	3.08
	15	7.76	4.13	7.47	3.81	7.18	3.52	6.90	3.25	6.58	2.97
	12	7.46	4.03	7.17	3.72	6.89	3.44	6.63	3.17	6.32	2.90
	7	6.94	3.86	6.68	3.57	6.42	3.29	6.20	3.04	5.89	2.78
	2	6.43	3.68	6.18	3.40	5.94	3.14	5.72	2.90	5.45	2.65
	-7	5.51	3.33	5.29	3.08	5.09	2.84	4.89	2.62	4.67	2.40
	-10	5.20	3.21	5.00	2.96	4.81	2.73	4.62	2.52	4.41	2.31
	-15	4.68	2.98	4.50	2.75	4.33	2.54	4.16	2.35	3.97	2.15
	-20	4.17	2.75	4.01	2.54	3.86	2.34	3.71	2.16	3.54	1.98
Rated frequency	20	8.03	5.53	7.72	5.11	7.42	4.71	7.13	4.35	6.93	4.09
	15	7.28	5.12	7.00	4.73	6.73	4.37	6.47	4.03	6.24	3.79
	12	6.86	4.91	6.59	4.54	6.34	4.19	6.10	3.86	5.85	3.62
	7	6.11	4.62	5.87	4.27	5.65	3.94	5.43	3.64	5.16	3.33
	2	5.35	4.35	5.14	4.02	4.95	3.71	4.76	3.43	4.47	3.08
	-7	3.98	4.13	3.83	3.81	3.68	3.52	3.54	3.25	3.26	2.76
	-10	3.53	4.12	3.39	3.80	3.26	3.51	3.14	3.24	2.84	2.68
	-15	2.78	4.08	2.67	3.77	2.57	3.48	2.47	3.21	2.14	2.55
	-20	2.07	4.02	1.99	3.71	1.91	3.43	1.84	3.16	1.46	2.32
Minimum frequency	20	1.93	7.63	1.86	7.05	1.79	6.50	1.72	6.00	1.67	5.65
	15	1.75	7.07	1.68	6.52	1.62	6.02	1.56	5.56	1.50	5.23
	12	1.65	6.78	1.59	6.26	1.53	5.78	1.47	5.33	1.41	4.99
	7	1.47	6.38	1.41	5.89	1.36	5.43	1.31	5.02	1.24	4.59
	2	1.29	6.01	1.24	5.55	1.19	5.12	1.15	4.73	1.08	4.24
	-7	0.96	5.70	0.92	5.26	0.89	4.86	0.85	4.48	0.78	3.80
	-10	0.85	5.68	0.82	5.24	0.79	4.84	0.76	4.47	0.68	3.70
	-15	0.67	5.63	0.64	5.20	0.62	4.80	0.60	4.43	0.52	3.52
	-20	0.50	5.55	0.48	5.12	0.46	4.73	0.44	4.36	0.35	3.20

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-AP50VG, MSZ-AP50VGK: MUZ-AP50VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	9.99	3.85	9.61	3.56	9.24	3.28	8.88	3.03	8.47	2.77
	15	9.30	3.74	8.94	3.45	8.60	3.18	8.27	2.94	7.89	2.69
	12	8.88	3.66	8.54	3.38	8.21	3.12	7.90	2.88	7.53	2.63
	7	8.19	3.52	7.88	3.25	7.57	3.00	7.30	2.77	6.95	2.54
	2	7.50	3.38	7.21	3.12	6.93	2.88	6.67	2.66	6.36	2.43
	-7	6.26	3.07	6.01	2.84	5.78	2.62	5.56	2.42	5.31	2.21
	-10	5.84	2.96	5.62	2.73	5.40	2.52	5.19	2.33	4.95	2.13
	-15	5.15	2.75	4.95	2.54	4.76	2.34	4.58	2.16	4.37	1.98
Rated frequency	20	8.62	5.53	8.29	5.11	7.97	4.72	7.66	4.35	7.44	4.09
	15	7.82	5.12	7.52	4.73	7.23	4.37	6.95	4.03	6.70	3.79
	12	7.36	4.91	7.08	4.54	6.81	4.19	6.55	3.87	6.29	3.62
	7	6.56	4.62	6.31	4.27	6.07	3.94	5.83	3.64	5.54	3.33
	2	5.75	4.36	5.53	4.02	5.31	3.71	5.11	3.43	4.80	3.08
	-7	4.28	4.13	4.11	3.81	3.96	3.52	3.80	3.25	3.50	2.76
	-10	3.79	4.12	3.64	3.80	3.50	3.51	3.37	3.24	3.05	2.68
	-15	2.99	4.08	2.87	3.77	2.76	3.48	2.65	3.21	2.30	2.55
Minimum frequency	20	2.08	7.12	2.00	6.58	1.92	6.07	1.85	5.60	1.80	5.27
	15	1.89	6.60	1.81	6.09	1.74	5.62	1.68	5.19	1.62	4.88
	12	1.78	6.33	1.71	5.84	1.64	5.39	1.58	4.98	1.52	4.66
	7	1.58	5.95	1.52	5.49	1.46	5.07	1.41	4.68	1.34	4.29
	2	1.39	5.61	1.33	5.18	1.28	4.78	1.23	4.41	1.16	3.96
	-7	1.03	5.32	0.99	4.91	0.95	4.53	0.92	4.18	0.84	3.55
	-10	0.91	5.30	0.88	4.89	0.85	4.52	0.81	4.17	0.74	3.45
	-15	0.72	5.25	0.69	4.85	0.67	4.48	0.64	4.13	0.55	3.29

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-AP50VG, MSZ-AP50VGK: MUZ-AP50VGH

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	9.92	3.87	9.54	3.57	9.17	3.30	8.82	3.05	8.41	2.78
	15	9.25	3.75	8.90	3.46	8.55	3.19	8.23	2.95	7.85	2.70
	12	8.85	3.67	8.51	3.38	8.18	3.12	7.87	2.88	7.51	2.64
	7	8.19	3.53	7.87	3.25	7.57	3.00	7.30	2.77	6.94	2.54
	2	7.52	3.37	7.23	3.11	6.95	2.87	6.69	2.65	6.38	2.43
	-7	6.32	2.88	6.08	2.67	5.85	2.47	5.62	2.28	5.36	2.09
	-10	5.92	2.77	5.70	2.56	5.48	2.37	5.27	2.19	5.02	2.01
	-15	5.26	2.57	5.05	2.38	4.86	2.20	4.67	2.04	4.46	1.87
	-20	4.59	2.35	4.41	2.17	4.24	2.01	4.08	1.86	3.89	1.71
Rated frequency	20	8.62	5.53	8.29	5.11	7.97	4.72	7.66	4.35	7.44	4.09
	15	7.82	5.12	7.52	4.73	7.23	4.37	6.95	4.03	6.70	3.79
	12	7.36	4.91	7.08	4.54	6.81	4.19	6.55	3.87	6.29	3.62
	7	6.56	4.62	6.31	4.27	6.07	3.94	5.83	3.64	5.54	3.33
	2	5.75	4.36	5.53	4.02	5.31	3.71	5.11	3.43	4.80	3.08
	-7	4.28	3.67	4.11	3.40	3.96	3.15	3.80	2.92	3.50	2.50
	-10	3.79	3.60	3.64	3.34	3.50	3.10	3.37	2.88	3.05	2.41
	-15	2.99	3.46	2.87	3.21	2.76	2.98	2.65	2.77	2.30	2.23
	-20	2.22	3.24	2.14	3.02	2.05	2.81	1.97	2.61	1.57	1.94
Minimum frequency	20	2.08	7.12	2.00	6.58	1.92	6.07	1.85	5.60	1.80	5.27
	15	1.89	6.60	1.81	6.09	1.74	5.62	1.68	5.19	1.62	4.88
	12	1.78	6.33	1.71	5.84	1.64	5.39	1.58	4.98	1.52	4.66
	7	1.58	5.95	1.52	5.49	1.46	5.07	1.41	4.68	1.34	4.29
	2	1.39	5.61	1.33	5.18	1.28	4.78	1.23	4.41	1.16	3.96
	-7	1.03	3.18	0.99	2.98	0.95	2.80	0.92	2.62	0.84	2.29
	-10	0.91	3.02	0.88	2.83	0.85	2.66	0.81	2.50	0.74	2.14
	-15	0.72	2.69	0.69	2.53	0.67	2.38	0.64	2.24	0.55	1.85
	-20	0.54	2.28	0.52	2.16	0.50	2.03	0.48	1.92	0.38	1.47

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-AP60VG, MSZ-AP60VGK: MUZ-AP60VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	13.22	4.60	12.71	4.24	12.01	3.92	11.17	3.62	10.24	3.31
	15	11.88	4.47	11.43	4.12	10.99	3.80	10.57	3.51	9.85	3.21
	12	11.09	4.38	10.66	4.04	10.25	3.73	9.86	3.44	9.34	3.15
	7	9.75	4.20	9.38	3.88	9.02	3.58	8.60	3.31	8.27	3.02
	2	8.42	4.00	8.10	3.69	7.79	3.41	7.49	3.14	7.14	2.87
	-7	6.03	3.49	5.79	3.22	5.57	2.97	5.36	2.74	5.11	2.51
	-10	5.23	3.27	5.03	3.02	4.83	2.79	4.65	2.57	4.43	2.35
	-15	3.90	2.81	3.75	2.59	3.60	2.39	3.46	2.21	3.30	2.02
Rated frequency	20	10.11	6.22	9.72	5.74	9.34	5.30	8.98	4.89	8.73	4.60
	15	9.16	5.76	8.81	5.31	8.47	4.91	8.15	4.53	7.86	4.26
	12	8.63	5.52	8.30	5.10	7.98	4.70	7.68	4.34	7.37	4.06
	7	7.69	5.19	7.40	4.79	7.11	4.42	6.84	4.08	6.50	3.74
	2	6.74	4.89	6.48	4.52	6.23	4.17	5.99	3.85	5.63	3.46
	-7	5.02	4.64	4.82	4.28	4.64	3.95	4.46	3.65	4.10	3.10
	-10	4.44	4.62	4.27	4.27	4.11	3.94	3.95	3.64	3.58	3.01
	-15	3.50	4.58	3.37	4.23	3.24	3.91	3.11	3.61	2.70	2.87
Minimum frequency	20	2.97	10.18	2.86	9.39	2.75	8.67	2.64	8.01	2.57	7.53
	15	2.70	9.42	2.59	8.70	2.49	8.03	2.40	7.41	2.31	6.98
	12	2.54	9.04	2.44	8.34	2.35	7.70	2.26	7.11	2.17	6.65
	7	2.26	8.50	2.18	7.85	2.09	7.24	2.01	6.69	1.91	6.12
	2	1.98	8.01	1.91	7.39	1.83	6.83	1.76	6.30	1.66	5.66
	-7	1.48	7.60	1.42	7.01	1.36	6.48	1.31	5.98	1.21	5.07
	-10	1.31	7.57	1.26	6.99	1.21	6.45	1.16	5.96	1.05	4.93
	-15	1.03	7.50	0.99	6.93	0.95	6.39	0.92	5.90	0.79	4.70

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-AP71VG, MSZ-AP71VGK: MUZ-AP71VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	14.93	4.52	14.36	4.18	13.81	3.85	12.95	3.56	11.86	3.25
	15	13.66	4.29	13.13	3.96	12.63	3.65	12.14	3.37	11.24	3.08
	12	12.89	4.14	12.40	3.82	11.92	3.53	11.46	3.25	10.84	2.98
	7	11.62	3.87	11.17	3.57	10.74	3.30	10.30	3.04	9.85	2.78
	2	10.34	3.58	9.95	3.31	9.56	3.05	9.19	2.82	8.77	2.58
	-7	8.05	3.00	7.74	2.77	7.44	2.56	7.15	2.36	6.82	2.16
	-10	7.24	2.78	6.97	2.56	6.70	2.36	6.44	2.18	6.14	2.00
	-15	5.86	2.35	5.63	2.17	5.41	2.00	5.21	1.85	4.97	1.69
Rated frequency	20	12.04	5.83	11.57	5.38	11.13	4.97	10.70	4.59	10.39	4.32
	15	10.92	5.40	10.50	4.99	10.09	4.60	9.70	4.25	9.36	4.00
	12	10.29	5.18	9.89	4.78	9.51	4.41	9.14	4.07	8.78	3.81
	7	9.16	4.87	8.81	4.50	8.47	4.15	8.15	3.83	7.74	3.51
	2	8.03	4.59	7.72	4.24	7.42	3.91	7.13	3.61	6.70	3.24
	-7	5.97	4.36	5.75	4.02	5.52	3.71	5.31	3.43	4.89	2.90
	-10	5.29	4.34	5.09	4.01	4.89	3.70	4.70	3.41	4.26	2.83
	-15	4.17	4.30	4.01	3.97	3.86	3.66	3.71	3.38	3.21	2.69
Minimum frequency	20	3.27	8.00	3.14	7.38	3.02	6.81	2.91	6.29	2.82	5.92
	15	2.96	7.41	2.85	6.84	2.74	6.31	2.64	5.82	2.54	5.48
	12	2.79	7.10	2.69	6.55	2.58	6.05	2.48	5.59	2.38	5.23
	7	2.49	6.68	2.39	6.17	2.30	5.69	2.21	5.25	2.10	4.81
	2	2.18	6.29	2.10	5.81	2.02	5.36	1.94	4.95	1.82	4.45
	-7	1.62	5.97	1.56	5.51	1.50	5.09	1.44	4.70	1.33	3.98
	-10	1.44	5.95	1.38	5.49	1.33	5.07	1.28	4.68	1.16	3.88
	-15	1.13	5.90	1.09	5.44	1.05	5.02	1.01	4.64	0.87	3.69

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-HR25VF: MUZ-HR25VF

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	5.47	4.96	5.16	4.58	4.80	4.22	4.44	3.90	4.06	3.57
	15	4.90	4.80	4.71	4.43	4.53	4.09	4.25	3.77	3.92	3.45
	12	4.55	4.69	4.38	4.33	4.21	3.99	4.02	3.69	3.80	3.37
	7	3.98	4.48	3.82	4.13	3.68	3.81	3.50	3.52	3.37	3.22
	2	3.40	4.22	3.27	3.90	3.14	3.60	3.02	3.32	2.89	3.04
	-7	2.37	3.60	2.28	3.32	2.19	3.07	2.10	2.83	2.01	2.59
	-10	2.02	3.32	1.94	3.07	1.87	2.83	1.80	2.62	1.72	2.39
Rated frequency	20	4.68	5.66	4.50	5.22	4.33	4.82	4.16	4.45	4.04	4.19
	15	4.25	5.24	4.08	4.84	3.92	4.46	3.77	4.12	3.64	3.88
	12	4.00	5.02	3.85	4.64	3.70	4.28	3.56	3.95	3.41	3.70
	7	3.56	4.73	3.43	4.36	3.29	4.03	3.17	3.72	3.01	3.40
	2	3.12	4.45	3.00	4.11	2.89	3.79	2.77	3.50	2.61	3.15
	-7	2.32	4.22	2.23	3.90	2.15	3.60	2.07	3.32	1.90	2.82
	-10	2.06	4.21	1.98	3.88	1.90	3.59	1.83	3.31	1.66	2.74
Minimum frequency	20	1.04	7.12	1.00	6.58	0.96	6.07	0.92	5.60	0.90	5.27
	15	0.94	6.60	0.91	6.09	0.87	5.62	0.84	5.19	0.81	4.88
	12	0.89	6.33	0.85	5.84	0.82	5.39	0.79	4.98	0.76	4.66
	7	0.79	5.95	0.76	5.49	0.73	5.07	0.70	4.68	0.67	4.29
	2	0.69	5.61	0.67	5.18	0.64	4.78	0.62	4.41	0.58	3.96
	-7	0.52	5.32	0.50	4.91	0.48	4.53	0.46	4.18	0.42	3.55
	-10	0.46	5.30	0.44	4.89	0.42	4.52	0.41	4.17	0.37	3.45

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-HR35VF: MUZ-HR35VF

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	5.59	5.24	5.37	4.84	5.16	4.46	4.97	4.12	4.74	3.77
	15	5.09	4.97	4.89	4.59	4.70	4.24	4.52	3.91	4.32	3.58
	12	4.79	4.80	4.61	4.43	4.43	4.09	4.26	3.78	4.06	3.45
	7	4.29	4.50	4.13	4.15	3.97	3.83	3.80	3.54	3.64	3.23
	2	3.79	4.16	3.65	3.84	3.51	3.55	3.37	3.27	3.22	2.99
	-7	2.90	3.47	2.79	3.20	2.68	2.96	2.58	2.73	2.46	2.50
	-10	2.60	3.21	2.50	2.97	2.40	2.74	2.31	2.53	2.21	2.31
Rated frequency	20	5.35	5.64	5.14	5.20	4.95	4.80	4.76	4.43	4.62	4.17
	15	4.85	5.22	4.67	4.82	4.49	4.45	4.31	4.11	4.16	3.86
	12	4.57	5.01	4.40	4.62	4.23	4.27	4.06	3.94	3.90	3.68
	7	4.07	4.71	3.92	4.35	3.77	4.01	3.62	3.70	3.44	3.39
	2	3.57	4.44	3.43	4.10	3.30	3.78	3.17	3.49	2.98	3.13
	-7	2.66	4.21	2.55	3.89	2.46	3.59	2.36	3.31	2.17	2.81
	-10	2.35	4.19	2.26	3.87	2.17	3.57	2.09	3.30	1.89	2.73
Minimum frequency	20	1.34	8.08	1.29	7.46	1.24	6.89	1.19	6.36	1.15	5.98
	15	1.21	7.48	1.17	6.91	1.12	6.38	1.08	5.89	1.04	5.54
	12	1.14	7.18	1.10	6.62	1.06	6.12	1.02	5.65	0.98	5.28
	7	1.02	6.75	0.98	6.23	0.94	5.75	0.91	5.31	0.86	4.86
	2	0.89	6.36	0.86	5.87	0.82	5.42	0.79	5.00	0.74	4.49
	-7	0.66	6.03	0.64	5.57	0.61	5.14	0.59	4.75	0.54	4.02
	-10	0.59	6.01	0.57	5.55	0.54	5.12	0.52	4.73	0.47	3.92

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-HR42VF: MUZ-HR42VF

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	8.47	4.57	8.05	4.22	7.49	3.90	6.96	3.60	6.36	3.29
	15	7.57	4.48	7.28	4.13	7.00	3.81	6.70	3.52	6.17	3.22
	12	7.04	4.41	6.76	4.07	6.50	3.76	6.25	3.47	5.90	3.17
	7	6.14	4.28	5.90	3.95	5.67	3.65	5.40	3.37	5.21	3.08
	2	5.24	4.12	5.04	3.80	4.84	3.51	4.66	3.24	4.44	2.96
	-7	3.62	3.68	3.48	3.40	3.35	3.14	3.22	2.89	3.07	2.65
	-10	3.08	3.47	2.96	3.21	2.85	2.96	2.74	2.73	2.61	2.50
Rated frequency	20	6.98	5.52	6.72	5.09	6.46	4.70	6.21	4.34	6.03	4.08
	15	6.33	5.11	6.09	4.72	5.86	4.36	5.63	4.02	5.43	3.78
	12	5.97	4.90	5.74	4.52	5.52	4.18	5.31	3.86	5.09	3.61
	7	5.32	4.61	5.11	4.26	4.92	3.93	4.73	3.63	4.49	3.32
	2	4.66	4.34	4.48	4.01	4.31	3.70	4.14	3.42	3.89	3.07
	-7	3.47	4.12	3.33	3.80	3.21	3.51	3.08	3.24	2.84	2.75
	-10	3.07	4.11	2.95	3.79	2.84	3.50	2.73	3.23	2.47	2.67
Minimum frequency	20	1.34	7.63	1.29	7.05	1.24	6.50	1.19	6.00	1.15	5.65
	15	1.21	7.07	1.17	6.52	1.12	6.02	1.08	5.56	1.04	5.23
	12	1.14	6.78	1.10	6.26	1.06	5.78	1.02	5.33	0.98	4.99
	7	1.02	6.38	0.98	5.89	0.94	5.43	0.91	5.02	0.86	4.59
	2	0.89	6.01	0.86	5.55	0.82	5.12	0.79	4.73	0.74	4.24
	-7	0.66	5.70	0.64	5.26	0.61	4.86	0.59	4.48	0.54	3.80
	-10	0.59	5.68	0.57	5.24	0.54	4.84	0.52	4.47	0.47	3.70

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-HR50VF: MUZ-HR50VF

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	9.87	4.43	9.24	4.09	8.59	3.77	7.93	3.48	7.25	3.19
	15	8.91	4.31	8.57	3.98	8.23	3.67	7.66	3.39	7.05	3.10
	12	8.33	4.22	8.01	3.90	7.70	3.60	7.34	3.32	6.92	3.04
	7	7.36	4.07	7.08	3.75	6.81	3.47	6.50	3.20	6.24	2.93
	2	6.40	3.88	6.15	3.58	5.92	3.31	5.69	3.05	5.43	2.79
	-7	4.66	3.42	4.48	3.16	4.31	2.92	4.14	2.69	3.95	2.46
	-10	4.08	3.23	3.92	2.98	3.77	2.75	3.63	2.54	3.46	2.32
Rated frequency	20	8.03	5.32	7.72	4.91	7.42	4.53	7.13	4.18	6.93	3.94
	15	7.28	4.93	7.00	4.55	6.73	4.20	6.47	3.87	6.24	3.65
	12	6.86	4.72	6.59	4.36	6.34	4.02	6.10	3.71	5.85	3.48
	7	6.11	4.44	5.87	4.10	5.65	3.79	5.43	3.49	5.16	3.20
	2	5.35	4.19	5.14	3.86	4.95	3.57	4.76	3.29	4.47	2.96
	-7	3.98	3.97	3.83	3.67	3.68	3.38	3.54	3.12	3.26	2.65
	-10	3.53	3.96	3.39	3.65	3.26	3.37	3.14	3.11	2.84	2.58
Minimum frequency	20	2.08	7.92	2.00	7.31	1.92	6.75	1.85	6.23	1.80	5.86
	15	1.89	7.33	1.81	6.77	1.74	6.25	1.68	5.77	1.62	5.43
	12	1.78	7.03	1.71	6.49	1.64	5.99	1.58	5.53	1.52	5.17
	7	1.58	6.61	1.52	6.10	1.46	5.63	1.41	5.20	1.34	4.76
	2	1.39	6.23	1.33	5.75	1.28	5.31	1.23	4.90	1.16	4.40
	-7	1.03	5.91	0.99	5.46	0.95	5.04	0.92	4.65	0.84	3.94
	-10	0.91	5.89	0.88	5.44	0.85	5.02	0.81	4.63	0.74	3.84

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-HR60VF: MUZ-HR60VF

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	13.15	4.16	12.23	3.84	11.38	3.54	10.50	3.27	9.61	2.99
	15	11.90	4.09	11.44	3.78	10.99	3.49	10.22	3.22	9.42	2.94
	12	11.06	4.05	10.63	3.74	10.22	3.45	9.74	3.18	9.21	2.91
	7	9.66	3.96	9.29	3.65	8.93	3.37	8.50	3.11	8.19	2.85
	2	8.26	3.84	7.94	3.55	7.63	3.27	7.34	3.02	7.00	2.76
	-7	5.73	3.52	5.51	3.25	5.30	3.00	5.10	2.77	4.86	2.53
	-10	4.89	3.37	4.71	3.11	4.52	2.87	4.35	2.65	4.15	2.42
Rated frequency	20	10.11	5.74	9.72	5.29	9.34	4.89	8.98	4.51	8.73	4.24
	15	9.16	5.31	8.81	4.90	8.47	4.53	8.15	4.18	7.86	3.93
	12	8.63	5.09	8.30	4.70	7.98	4.34	7.68	4.01	7.37	3.75
	7	7.69	4.79	7.40	4.42	7.11	4.08	6.84	3.77	6.50	3.45
	2	6.74	4.51	6.48	4.17	6.23	3.85	5.99	3.55	5.63	3.19
	-7	5.02	4.28	4.82	3.95	4.64	3.65	4.46	3.37	4.10	2.86
	-10	4.44	4.27	4.27	3.94	4.11	3.64	3.95	3.36	3.58	2.78
Minimum frequency	20	2.23	8.48	2.14	7.83	2.06	7.23	1.98	6.67	1.92	6.28
	15	2.02	7.85	1.94	7.25	1.87	6.69	1.80	6.18	1.73	5.82
	12	1.90	7.53	1.83	6.95	1.76	6.42	1.69	5.92	1.63	5.54
	7	1.70	7.08	1.63	6.54	1.57	6.04	1.51	5.57	1.43	5.10
	2	1.49	6.68	1.43	6.16	1.37	5.69	1.32	5.25	1.24	4.72
	-7	1.11	6.33	1.06	5.85	1.02	5.40	0.98	4.98	0.90	4.22
	-10	0.98	6.31	0.94	5.82	0.91	5.38	0.87	4.96	0.79	4.11

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-HR71VF: MUZ-HR71VF

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	13.53	4.71	13.01	4.35	12.51	4.01	11.81	3.70	10.88	3.39
	15	12.24	4.52	11.77	4.17	11.32	3.85	10.88	3.56	10.33	3.25
	12	11.47	4.40	11.03	4.06	10.61	3.75	10.20	3.46	9.72	3.16
	7	10.19	4.17	9.79	3.85	9.42	3.55	9.00	3.28	8.64	3.00
	2	8.90	3.91	8.56	3.61	8.23	3.33	7.91	3.07	7.55	2.81
	-7	6.59	3.32	6.33	3.07	6.09	2.83	5.86	2.61	5.59	2.39
	-10	5.82	3.09	5.59	2.85	5.38	2.63	5.17	2.43	4.93	2.22
Rated frequency	20	12.04	5.07	11.57	4.68	11.13	4.32	10.70	3.99	10.39	3.75
	15	10.92	4.69	10.50	4.33	10.09	4.00	9.70	3.69	9.36	3.47
	12	10.29	4.50	9.89	4.15	9.51	3.83	9.14	3.54	8.78	3.31
	7	9.16	4.23	8.81	3.91	8.47	3.61	8.15	3.33	7.74	3.05
	2	8.03	3.99	7.72	3.68	7.42	3.40	7.13	3.14	6.70	2.82
	-7	5.97	3.78	5.75	3.49	5.52	3.22	5.31	2.98	4.89	2.52
	-10	5.29	3.77	5.09	3.48	4.89	3.21	4.70	2.97	4.26	2.46
Minimum frequency	20	2.23	9.54	2.14	8.81	2.06	8.13	1.98	7.51	1.92	7.06
	15	2.02	8.84	1.94	8.16	1.87	7.53	1.80	6.95	1.73	6.54
	12	1.90	8.47	1.83	7.82	1.76	7.22	1.69	6.66	1.63	6.24
	7	1.70	7.97	1.63	7.36	1.57	6.79	1.51	6.27	1.43	5.74
	2	1.49	7.51	1.43	6.93	1.37	6.40	1.32	5.91	1.24	5.31
	-7	1.11	7.12	1.06	6.58	1.02	6.07	0.98	5.60	0.90	4.75
	-10	0.98	7.10	0.94	6.55	0.91	6.05	0.87	5.58	0.79	4.62

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-FH25VE2: MUZ-FH25VE

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	8.35	4.84	8.03	4.47	7.72	4.12	7.42	3.81	7.08	3.48
	15	7.53	4.75	7.24	4.38	6.96	4.04	6.70	3.73	6.39	3.41
	12	7.04	4.68	6.77	4.32	6.51	3.99	6.26	3.68	5.97	3.37
	7	6.23	4.56	5.99	4.21	5.76	3.88	5.50	3.58	5.28	3.28
	2	5.42	4.40	5.21	4.06	5.01	3.75	4.82	3.46	4.59	3.17
	-7	3.95	4.01	3.80	3.71	3.65	3.42	3.51	3.16	3.35	2.89
	-10	3.46	3.84	3.33	3.54	3.20	3.27	3.08	3.02	2.94	2.76
	-15	2.65	3.46	2.55	3.19	2.45	2.95	2.36	2.72	2.25	2.49
Rated frequency	20	4.76	8.42	4.57	7.77	4.40	7.18	4.23	6.63	4.11	6.23
	15	4.31	7.80	4.15	7.20	3.99	6.65	3.83	6.14	3.70	5.78
	12	4.06	7.48	3.91	6.90	3.76	6.37	3.61	5.88	3.47	5.51
	7	3.62	7.04	3.48	6.49	3.35	6.00	3.22	5.53	3.06	5.07
	2	3.17	6.63	3.05	6.12	2.93	5.65	2.82	5.21	2.65	4.68
	-7	2.36	6.29	2.27	5.81	2.18	5.36	2.10	4.95	1.93	4.19
	-10	2.09	6.27	2.01	5.78	1.93	5.34	1.86	4.93	1.68	4.08
	-15	1.65	6.21	1.58	5.73	1.52	5.29	1.46	4.89	1.27	3.89
Minimum frequency	20	2.68	9.81	2.57	9.06	2.47	8.36	2.38	7.72	2.31	7.26
	15	2.43	9.09	2.33	8.39	2.24	7.74	2.16	7.15	2.08	6.73
	12	2.29	8.71	2.20	8.04	2.11	7.43	2.03	6.85	1.95	6.41
	7	2.04	8.20	1.96	7.57	1.88	6.99	1.81	6.45	1.72	5.91
	2	1.78	7.72	1.71	7.13	1.65	6.58	1.59	6.08	1.49	5.46
	-7	1.33	7.33	1.28	6.76	1.23	6.24	1.18	5.76	1.09	4.89
	-10	1.18	7.30	1.13	6.74	1.09	6.22	1.05	5.74	0.95	4.76
	-15	0.93	7.24	0.89	6.68	0.86	6.17	0.82	5.69	0.71	4.53

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-FH25VE2: MUZ-FH25VEHZ

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	9.12	4.38	8.48	4.05	7.83	3.74	7.23	3.45	6.61	3.15
	15	8.46	4.25	8.12	3.93	7.56	3.62	7.01	3.35	6.41	3.06
	12	7.96	4.17	7.65	3.85	7.29	3.55	6.86	3.28	6.28	3.00
	7	7.12	4.00	6.84	3.69	6.58	3.41	6.30	3.15	5.96	2.88
	2	6.28	3.81	6.04	3.52	5.80	3.25	5.58	3.00	5.33	2.74
	-7	4.77	3.09	4.58	2.87	4.41	2.65	4.24	2.46	4.04	2.25
	-10	4.26	2.92	4.10	2.70	3.94	2.50	3.79	2.32	3.62	2.13
	-15	3.42	2.57	3.29	2.39	3.17	2.21	3.04	2.05	2.90	1.88
	-20	2.58	2.15	2.48	2.00	2.39	1.85	2.30	1.72	2.19	1.58
	-25	1.74	1.66	1.68	1.54	1.61	1.42	1.55	1.32	1.48	1.21
Rated frequency	20	4.76	8.42	4.57	7.77	4.40	7.18	4.23	6.63	4.11	6.23
	15	4.31	7.80	4.15	7.20	3.99	6.65	3.83	6.14	3.70	5.78
	12	4.06	7.48	3.91	6.90	3.76	6.37	3.61	5.88	3.47	5.51
	7	3.62	7.04	3.48	6.49	3.35	6.00	3.22	5.53	3.06	5.07
	2	3.17	6.63	3.05	6.12	2.93	5.65	2.82	5.21	2.65	4.68
	-7	2.36	4.66	2.27	4.35	2.18	4.06	2.10	3.78	1.93	3.27
	-10	2.09	4.50	2.01	4.20	1.93	3.92	1.86	3.66	1.68	3.10
	-15	1.65	4.16	1.58	3.89	1.52	3.64	1.46	3.40	1.27	2.77
	-20	1.23	3.69	1.18	3.46	1.13	3.25	1.09	3.04	0.86	2.30
	-25	0.78	3.02	0.75	2.84	0.72	2.68	0.69	2.52	0.48	1.66
Minimum frequency	20	1.49	5.65	1.43	5.22	1.37	4.82	1.32	4.45	1.28	4.18
	15	1.35	5.24	1.30	4.83	1.25	4.46	1.20	4.12	1.16	3.88
	12	1.27	5.02	1.22	4.63	1.17	4.28	1.13	3.95	1.08	3.70
	7	1.13	4.72	1.09	4.36	1.05	4.02	1.01	3.72	0.96	3.40
	2	0.99	4.45	0.95	4.11	0.92	3.79	0.88	3.50	0.83	3.14
	-7	0.74	2.42	0.71	2.27	0.68	2.13	0.66	2.00	0.60	1.75
	-10	0.65	2.29	0.63	2.15	0.60	2.02	0.58	1.90	0.53	1.63
	-15	0.51	2.03	0.50	1.91	0.48	1.80	0.46	1.69	0.40	1.40
	-20	0.38	1.71	0.37	1.61	0.35	1.52	0.34	1.44	0.27	1.10
	-25	0.24	1.29	0.23	1.22	0.22	1.16	0.22	1.10	0.15	0.74

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-FH35VE2: MUZ-FH35VE

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	9.09	4.20	8.46	3.87	7.82	3.58	7.22	3.30	6.60	3.02
	15	8.46	4.13	8.13	3.81	7.61	3.52	7.08	3.25	6.49	2.97
	12	7.96	4.08	7.65	3.77	7.30	3.48	6.96	3.21	6.41	2.93
	7	7.12	3.99	6.84	3.68	6.58	3.40	6.30	3.14	5.99	2.87
	2	6.28	3.88	6.04	3.58	5.81	3.30	5.58	3.05	5.33	2.79
	-7	4.77	3.61	4.59	3.33	4.41	3.07	4.24	2.84	4.05	2.60
	-10	4.27	3.49	4.11	3.22	3.95	2.97	3.80	2.75	3.62	2.51
	-15	3.43	3.24	3.30	2.99	3.17	2.76	3.05	2.55	2.91	2.33
Rated frequency	20	5.94	7.63	5.72	7.05	5.50	6.50	5.28	6.00	5.13	5.65
	15	5.39	7.07	5.18	6.52	4.98	6.02	4.79	5.56	4.62	5.23
	12	5.08	6.78	4.88	6.26	4.70	5.78	4.52	5.33	4.34	4.99
	7	4.53	6.38	4.35	5.89	4.18	5.43	4.02	5.02	3.82	4.59
	2	3.96	6.01	3.81	5.55	3.66	5.12	3.52	4.73	3.31	4.24
	-7	2.95	5.70	2.84	5.26	2.73	4.86	2.62	4.48	2.41	3.80
	-10	2.61	5.68	2.51	5.24	2.42	4.84	2.32	4.47	2.10	3.70
	-15	2.06	5.63	1.98	5.20	1.90	4.80	1.83	4.43	1.59	3.52
Minimum frequency	20	1.49	5.65	1.43	5.22	1.37	4.82	1.32	4.45	1.28	4.18
	15	1.35	5.24	1.30	4.83	1.25	4.46	1.20	4.12	1.16	3.88
	12	1.27	5.02	1.22	4.63	1.17	4.28	1.13	3.95	1.08	3.70
	7	1.13	4.72	1.09	4.36	1.05	4.02	1.01	3.72	0.96	3.40
	2	0.99	4.45	0.95	4.11	0.92	3.79	0.88	3.50	0.83	3.14
	-7	0.74	4.22	0.71	3.90	0.68	3.60	0.66	3.32	0.60	2.82
	-10	0.65	4.21	0.63	3.88	0.60	3.58	0.58	3.31	0.53	2.74
	-15	0.51	4.17	0.50	3.85	0.48	3.55	0.46	3.28	0.40	2.61

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-FH35VE2: MUZ-FH35VEHZ

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	9.17	4.22	8.51	3.89	7.86	3.59	7.25	3.32	6.63	3.03
	15	8.59	4.07	8.17	3.76	7.59	3.47	7.01	3.20	6.41	2.93
	12	8.15	3.98	7.82	3.68	7.42	3.39	6.85	3.13	6.26	2.86
	7	7.43	3.81	7.14	3.52	6.86	3.25	6.60	3.00	6.00	2.74
	2	6.70	3.63	6.44	3.35	6.19	3.09	5.96	2.85	5.64	2.61
	-7	5.39	3.00	5.19	2.78	4.99	2.57	4.79	2.38	4.57	2.18
	-10	4.96	2.86	4.77	2.64	4.58	2.45	4.41	2.27	4.20	2.08
	-15	4.23	2.59	4.07	2.40	3.91	2.22	3.76	2.05	3.59	1.88
	-20	3.51	2.28	3.37	2.11	3.24	1.96	3.12	1.81	2.97	1.66
	-25	2.78	1.95	2.67	1.80	2.57	1.67	2.47	1.55	2.36	1.42
Rated frequency	20	5.94	7.63	5.72	7.05	5.50	6.50	5.28	6.00	5.13	5.65
	15	5.39	7.07	5.18	6.52	4.98	6.02	4.79	5.56	4.62	5.23
	12	5.08	6.78	4.88	6.26	4.70	5.78	4.52	5.33	4.34	4.99
	7	4.53	6.38	4.35	5.89	4.18	5.43	4.02	5.02	3.82	4.59
	2	3.96	6.01	3.81	5.55	3.66	5.12	3.52	4.73	3.31	4.24
	-7	2.95	4.55	2.84	4.23	2.73	3.94	2.62	3.66	2.41	3.15
	-10	2.61	4.42	2.51	4.12	2.42	3.83	2.32	3.57	2.10	3.01
	-15	2.06	4.14	1.98	3.87	1.90	3.61	1.83	3.36	1.59	2.73
	-20	1.53	3.75	1.47	3.51	1.42	3.28	1.36	3.07	1.08	2.30
	-25	0.97	3.17	0.93	2.98	0.90	2.79	0.86	2.62	0.60	1.71
Minimum frequency	20	1.49	5.65	1.43	5.22	1.37	4.82	1.32	4.45	1.28	4.18
	15	1.35	5.24	1.30	4.83	1.25	4.46	1.20	4.12	1.16	3.88
	12	1.27	5.02	1.22	4.63	1.17	4.28	1.13	3.95	1.08	3.70
	7	1.13	4.72	1.09	4.36	1.05	4.02	1.01	3.72	0.96	3.40
	2	0.99	4.45	0.95	4.11	0.92	3.79	0.88	3.50	0.83	3.14
	-7	0.74	2.42	0.71	2.27	0.68	2.13	0.66	2.00	0.60	1.75
	-10	0.65	2.29	0.63	2.15	0.60	2.02	0.58	1.90	0.53	1.63
	-15	0.51	2.03	0.50	1.91	0.48	1.80	0.46	1.69	0.40	1.40
	-20	0.38	1.71	0.37	1.61	0.35	1.52	0.34	1.44	0.27	1.10
	-25	0.24	1.29	0.23	1.22	0.22	1.16	0.22	1.10	0.15	0.74

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-FH50VE2: MUZ-FH50VE

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	12.22	4.42	11.75	4.08	11.30	3.77	10.76	3.48	9.84	3.18
	15	11.29	4.13	10.85	3.81	10.43	3.52	10.03	3.25	9.19	2.97
	12	10.72	3.95	10.31	3.64	9.91	3.36	9.53	3.10	8.79	2.84
	7	9.79	3.64	9.41	3.36	9.05	3.10	8.70	2.87	8.12	2.62
	2	8.85	3.33	8.51	3.08	8.18	2.84	7.87	2.62	7.42	2.40
	-7	7.16	2.75	6.89	2.54	6.62	2.35	6.37	2.17	6.07	1.98
	-10	6.60	2.56	6.35	2.36	6.10	2.18	5.87	2.01	5.60	1.84
	-15	5.66	2.22	5.44	2.05	5.23	1.89	5.03	1.75	4.80	1.60
Rated frequency	20	8.92	6.19	8.57	5.71	8.24	5.27	7.93	4.87	7.70	4.58
	15	8.09	5.73	7.78	5.29	7.48	4.88	7.19	4.51	6.94	4.24
	12	7.62	5.50	7.33	5.07	7.04	4.68	6.77	4.32	6.50	4.05
	7	6.79	5.17	6.53	4.77	6.28	4.41	6.03	4.07	5.74	3.72
	2	5.94	4.87	5.72	4.50	5.50	4.15	5.28	3.83	4.97	3.44
	-7	4.43	4.62	4.26	4.27	4.09	3.94	3.93	3.63	3.62	3.08
	-10	3.92	4.60	3.77	4.25	3.62	3.92	3.48	3.62	3.16	3.00
	-15	3.09	4.56	2.97	4.21	2.86	3.89	2.75	3.59	2.38	2.86
Minimum frequency	20	2.53	6.04	2.43	5.57	2.34	5.14	2.25	4.75	2.18	4.47
	15	2.29	5.59	2.20	5.16	2.12	4.76	2.04	4.40	1.97	4.14
	12	2.16	5.36	2.08	4.95	2.00	4.57	1.92	4.22	1.84	3.94
	7	1.92	5.04	1.85	4.65	1.78	4.30	1.71	3.97	1.63	3.63
	2	1.68	4.75	1.62	4.38	1.56	4.05	1.50	3.74	1.41	3.36
	-7	1.25	4.51	1.21	4.16	1.16	3.84	1.11	3.54	1.03	3.01
	-10	1.11	4.49	1.07	4.14	1.03	3.83	0.99	3.53	0.89	2.92
	-15	0.88	4.45	0.84	4.11	0.81	3.79	0.78	3.50	0.67	2.79

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-FH50VE2: MUZ-FH50VEHZ

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	12.08	4.23	11.62	3.90	11.12	3.60	10.29	3.32	9.41	3.04
	15	11.20	4.01	10.76	3.70	10.35	3.41	9.76	3.15	8.92	2.88
	12	10.66	3.87	10.25	3.57	9.86	3.30	9.42	3.04	8.62	2.78
	7	9.78	3.63	9.40	3.35	9.04	3.09	8.70	2.86	8.09	2.61
	2	8.89	3.38	8.55	3.12	8.22	2.88	7.90	2.66	7.51	2.43
	-7	7.29	2.77	7.01	2.56	6.74	2.37	6.48	2.19	6.18	2.00
	-10	6.76	2.60	6.50	2.41	6.25	2.23	6.01	2.06	5.73	1.89
	-15	5.87	2.32	5.65	2.14	5.43	1.98	5.22	1.83	4.98	1.68
	-20	4.98	2.02	4.79	1.87	4.61	1.73	4.43	1.60	4.23	1.46
	-25	4.10	1.71	3.94	1.58	3.79	1.46	3.64	1.35	3.47	1.24
Rated frequency	20	8.92	6.19	8.57	5.71	8.24	5.27	7.93	4.87	7.70	4.58
	15	8.09	5.73	7.78	5.29	7.48	4.88	7.19	4.51	6.94	4.24
	12	7.62	5.50	7.33	5.07	7.04	4.68	6.77	4.32	6.50	4.05
	7	6.79	5.17	6.53	4.77	6.28	4.41	6.03	4.07	5.74	3.72
	2	5.94	4.87	5.72	4.50	5.50	4.15	5.28	3.83	4.97	3.44
	-7	4.43	4.10	4.26	3.80	4.09	3.53	3.93	3.27	3.62	2.79
	-10	3.92	4.03	3.77	3.74	3.62	3.47	3.48	3.22	3.16	2.69
	-15	3.09	3.87	2.97	3.60	2.86	3.34	2.75	3.10	2.38	2.49
	-20	2.30	3.63	2.21	3.38	2.12	3.14	2.04	2.92	1.62	2.17
	-25	1.45	3.25	1.40	3.03	1.34	2.82	1.29	2.63	0.90	1.69
Minimum frequency	20	2.53	6.04	2.43	5.57	2.34	5.14	2.25	4.75	2.18	4.47
	15	2.29	5.59	2.20	5.16	2.12	4.76	2.04	4.40	1.97	4.14
	12	2.16	5.36	2.08	4.95	2.00	4.57	1.92	4.22	1.84	3.94
	7	1.92	5.04	1.85	4.65	1.78	4.30	1.71	3.97	1.63	3.63
	2	1.68	4.75	1.62	4.38	1.56	4.05	1.50	3.74	1.41	3.36
	-7	1.25	3.14	1.21	2.94	1.16	2.74	1.11	2.56	1.03	2.22
	-10	1.11	3.02	1.07	2.82	1.03	2.64	0.99	2.47	0.89	2.10
	-15	0.88	2.76	0.84	2.58	0.81	2.42	0.78	2.27	0.67	1.86
	-20	0.65	2.41	0.63	2.27	0.60	2.13	0.58	2.00	0.46	1.52
	-25	0.41	1.93	0.40	1.82	0.38	1.72	0.37	1.62	0.26	1.07

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-EF25VGW/B/S, MSZ-EF25VGKW/B/S: MUZ-EF25VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	6.30	5.35	6.06	4.93	5.83	4.56	5.60	4.21	5.35	3.85
	15	5.71	5.08	5.49	4.69	5.28	4.33	5.07	3.99	4.84	3.65
	12	5.35	4.90	5.14	4.53	4.95	4.18	4.76	3.86	4.54	3.53
	7	4.75	4.59	4.57	4.23	4.39	3.91	4.20	3.61	4.03	3.30
	2	4.16	4.24	4.00	3.91	3.84	3.61	3.70	3.33	3.53	3.05
	-7	3.08	3.49	2.97	3.22	2.85	2.98	2.74	2.75	2.62	2.51
	-10	2.73	3.21	2.62	2.96	2.52	2.73	2.42	2.52	2.31	2.31
	-15	2.13	2.68	2.05	2.47	1.97	2.28	1.89	2.11	1.81	1.93
Rated frequency	20	4.76	6.98	4.57	6.44	4.40	5.95	4.23	5.49	4.11	5.16
	15	4.31	6.46	4.15	5.97	3.99	5.51	3.83	5.08	3.70	4.79
	12	4.06	6.20	3.91	5.72	3.76	5.28	3.61	4.87	3.47	4.56
	7	3.62	5.83	3.48	5.38	3.35	4.97	3.22	4.59	3.06	4.20
	2	3.17	5.49	3.05	5.07	2.93	4.68	2.82	4.32	2.65	3.88
	-7	2.36	5.21	2.27	4.81	2.18	4.44	2.10	4.10	1.93	3.48
	-10	2.09	5.19	2.01	4.79	1.93	4.42	1.86	4.08	1.68	3.38
	-15	1.65	5.15	1.58	4.75	1.52	4.39	1.46	4.05	1.27	3.22
Minimum frequency	20	1.49	6.11	1.43	5.64	1.37	5.20	1.32	4.80	1.28	4.52
	15	1.35	5.65	1.30	5.22	1.25	4.82	1.20	4.45	1.16	4.19
	12	1.27	5.42	1.22	5.01	1.17	4.62	1.13	4.27	1.08	3.99
	7	1.13	5.10	1.09	4.71	1.05	4.35	1.01	4.01	0.96	3.67
	2	0.99	4.81	0.95	4.44	0.92	4.10	0.88	3.78	0.83	3.40
	-7	0.74	4.56	0.71	4.21	0.68	3.89	0.66	3.59	0.60	3.04
	-10	0.65	4.54	0.63	4.19	0.60	3.87	0.58	3.57	0.53	2.96
	-15	0.51	4.50	0.50	4.16	0.48	3.84	0.46	3.54	0.40	2.82

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-EF25VGW/B/S, MSZ-EF25VGKW/B/S: MUZ-EF25VGH

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	6.22	5.48	5.98	5.06	5.75	4.67	5.53	4.31	5.28	3.94
	15	5.65	5.16	5.44	4.77	5.23	4.40	5.03	4.06	4.80	3.71
	12	5.31	4.96	5.11	4.58	4.91	4.22	4.72	3.90	4.51	3.57
	7	4.75	4.60	4.56	4.24	4.39	3.92	4.20	3.62	4.03	3.31
	2	4.18	4.21	4.02	3.88	3.86	3.58	3.72	3.31	3.55	3.03
	-7	3.16	3.00	3.04	2.78	2.92	2.58	2.81	2.39	2.68	2.20
	-10	2.82	2.74	2.71	2.54	2.61	2.36	2.51	2.18	2.39	2.01
	-15	2.25	2.27	2.17	2.11	2.08	1.96	2.00	1.82	1.91	1.67
	-20	1.69	1.77	1.62	1.64	1.56	1.52	1.50	1.41	1.43	1.30
Rated frequency	20	4.76	6.98	4.57	6.44	4.40	5.95	4.23	5.49	4.11	5.16
	15	4.31	6.46	4.15	5.97	3.99	5.51	3.83	5.08	3.70	4.79
	12	4.06	6.20	3.91	5.72	3.76	5.28	3.61	4.87	3.47	4.56
	7	3.62	5.83	3.48	5.38	3.35	4.97	3.22	4.59	3.06	4.20
	2	3.17	5.49	3.05	5.07	2.93	4.68	2.82	4.32	2.65	3.88
	-7	2.36	4.04	2.27	3.77	2.18	3.51	2.10	3.26	1.93	2.81
	-10	2.09	3.92	2.01	3.65	1.93	3.40	1.86	3.17	1.68	2.68
	-15	1.65	3.65	1.58	3.41	1.52	3.18	1.46	2.97	1.27	2.42
	-20	1.23	3.28	1.18	3.07	1.13	2.87	1.09	2.69	0.86	2.03
Minimum frequency	20	1.49	6.11	1.43	5.64	1.37	5.20	1.32	4.80	1.28	4.52
	15	1.35	5.65	1.30	5.22	1.25	4.82	1.20	4.45	1.16	4.19
	12	1.27	5.42	1.22	5.01	1.17	4.62	1.13	4.27	1.08	3.99
	7	1.13	5.10	1.09	4.71	1.05	4.35	1.01	4.01	0.96	3.67
	2	0.99	4.81	0.95	4.44	0.92	4.10	0.88	3.78	0.83	3.40
	-7	0.74	2.52	0.71	2.37	0.68	2.23	0.66	2.09	0.60	1.83
	-10	0.65	2.38	0.63	2.24	0.60	2.11	0.58	1.98	0.53	1.71
	-15	0.51	2.10	0.50	1.98	0.48	1.87	0.46	1.76	0.40	1.46
	-20	0.38	1.76	0.37	1.67	0.35	1.57	0.34	1.49	0.27	1.14

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-EF35VGW/B/S, MSZ-EF35VGKW/B/S: MUZ-EF35VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	7.68	5.93	7.38	5.48	7.10	5.05	6.82	4.67	6.51	4.27
	15	6.94	5.56	6.68	5.14	6.42	4.74	6.17	4.38	5.89	4.00
	12	6.50	5.33	6.25	4.92	6.01	4.54	5.78	4.19	5.52	3.83
	7	5.77	4.92	5.55	4.54	5.34	4.19	5.10	3.87	4.90	3.54
	2	5.04	4.47	4.85	4.12	4.66	3.81	4.48	3.51	4.28	3.21
	-7	3.72	3.56	3.58	3.29	3.44	3.03	3.31	2.80	3.16	2.56
	-10	3.29	3.23	3.16	2.99	3.04	2.76	2.92	2.54	2.79	2.33
	-15	2.55	2.66	2.46	2.45	2.36	2.27	2.27	2.09	2.17	1.91
Rated frequency	20	5.94	6.43	5.72	5.93	5.50	5.48	5.28	5.06	5.13	4.76
	15	5.39	5.95	5.18	5.49	4.98	5.07	4.79	4.68	4.62	4.41
	12	5.08	5.71	4.88	5.27	4.70	4.86	4.52	4.49	4.34	4.20
	7	4.53	5.37	4.35	4.96	4.18	4.58	4.02	4.22	3.82	3.87
	2	3.96	5.06	3.81	4.67	3.66	4.31	3.52	3.98	3.31	3.57
	-7	2.95	4.80	2.84	4.43	2.73	4.09	2.62	3.78	2.41	3.20
	-10	2.61	4.78	2.51	4.41	2.42	4.07	2.32	3.76	2.10	3.11
	-15	2.06	4.74	1.98	4.38	1.90	4.04	1.83	3.73	1.59	2.97
Minimum frequency	20	1.93	5.67	1.86	5.23	1.79	4.83	1.72	4.46	1.67	4.20
	15	1.75	5.25	1.68	4.85	1.62	4.47	1.56	4.13	1.50	3.89
	12	1.65	5.04	1.59	4.65	1.53	4.29	1.47	3.96	1.41	3.71
	7	1.47	4.74	1.41	4.37	1.36	4.04	1.31	3.73	1.24	3.41
	2	1.29	4.46	1.24	4.12	1.19	3.80	1.15	3.51	1.08	3.15
	-7	0.96	4.23	0.92	3.91	0.89	3.61	0.85	3.33	0.78	2.82
	-10	0.85	4.22	0.82	3.89	0.79	3.59	0.76	3.32	0.68	2.75
	-15	0.67	4.18	0.64	3.86	0.62	3.56	0.60	3.29	0.52	2.62

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-EF35VGW/B/S, MSZ-EF35VGKW/B/S: MUZ-EF35VGH

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	7.71	6.02	7.41	5.56	7.13	5.13	6.85	4.74	6.54	4.33
	15	6.96	5.62	6.70	5.19	6.44	4.79	6.19	4.42	5.91	4.04
	12	6.52	5.37	6.27	4.96	6.03	4.57	5.79	4.22	5.53	3.86
	7	5.78	4.92	5.55	4.54	5.34	4.19	5.10	3.87	4.90	3.54
	2	5.03	4.44	4.84	4.10	4.65	3.79	4.47	3.50	4.27	3.20
	-7	3.70	3.11	3.55	2.88	3.42	2.67	3.28	2.47	3.13	2.27
	-10	3.25	2.79	3.12	2.59	3.00	2.40	2.89	2.22	2.76	2.04
	-15	2.51	2.23	2.41	2.07	2.32	1.92	2.23	1.78	2.13	1.63
	-20	1.76	1.63	1.70	1.51	1.63	1.40	1.57	1.30	1.50	1.19
Rated frequency	20	5.94	6.43	5.72	5.93	5.50	5.48	5.28	5.06	5.13	4.76
	15	5.39	5.95	5.18	5.49	4.98	5.07	4.79	4.68	4.62	4.41
	12	5.08	5.71	4.88	5.27	4.70	4.86	4.52	4.49	4.34	4.20
	7	4.53	5.37	4.35	4.96	4.18	4.58	4.02	4.22	3.82	3.87
	2	3.96	5.06	3.81	4.67	3.66	4.31	3.52	3.98	3.31	3.57
	-7	2.95	3.96	2.84	3.68	2.73	3.42	2.62	3.18	2.41	2.73
	-10	2.61	3.86	2.51	3.59	2.42	3.34	2.32	3.10	2.10	2.61
	-15	2.06	3.64	1.98	3.39	1.90	3.16	1.83	2.94	1.59	2.38
	-20	1.53	3.33	1.47	3.11	1.42	2.90	1.36	2.71	1.08	2.03
Minimum frequency	20	1.93	5.67	1.86	5.23	1.79	4.83	1.72	4.46	1.67	4.20
	15	1.75	5.25	1.68	4.85	1.62	4.47	1.56	4.13	1.50	3.89
	12	1.65	5.04	1.59	4.65	1.53	4.29	1.47	3.96	1.41	3.71
	7	1.47	4.74	1.41	4.37	1.36	4.04	1.31	3.73	1.24	3.41
	2	1.29	4.46	1.24	4.12	1.19	3.80	1.15	3.51	1.08	3.15
	-7	0.96	2.68	0.92	2.52	0.89	2.36	0.85	2.20	0.78	1.92
	-10	0.85	2.56	0.82	2.40	0.79	2.25	0.76	2.11	0.68	1.80
	-15	0.67	2.30	0.64	2.16	0.62	2.03	0.60	1.91	0.52	1.57
	-20	0.50	1.97	0.48	1.86	0.46	1.75	0.44	1.65	0.35	1.26

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-EF42VGW/B/S, MSZ-EF42VGKW/B/S: MUZ-EF42VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	9.14	4.46	8.79	4.12	8.45	3.80	7.96	3.51	7.30	3.21
	15	8.36	4.27	8.04	3.94	7.73	3.64	7.43	3.36	6.96	3.07
	12	7.89	4.14	7.58	3.82	7.29	3.53	7.01	3.26	6.66	2.98
	7	7.11	3.92	6.83	3.62	6.57	3.34	6.30	3.08	6.03	2.82
	2	6.33	3.67	6.08	3.39	5.85	3.13	5.62	2.89	5.36	2.64
	-7	4.92	3.15	4.73	2.91	4.55	2.68	4.37	2.48	4.17	2.27
	-10	4.45	2.95	4.28	2.73	4.11	2.52	3.96	2.32	3.77	2.12
	-15	3.67	2.59	3.53	2.39	3.39	2.21	3.26	2.04	3.11	1.86
Rated frequency	20	8.03	5.67	7.72	5.23	7.42	4.83	7.13	4.46	6.93	4.19
	15	7.28	5.25	7.00	4.84	6.73	4.47	6.47	4.13	6.24	3.88
	12	6.86	5.03	6.59	4.64	6.34	4.29	6.10	3.96	5.85	3.70
	7	6.11	4.73	5.87	4.37	5.65	4.03	5.43	3.72	5.16	3.41
	2	5.35	4.46	5.14	4.12	4.95	3.80	4.76	3.51	4.47	3.15
	-7	3.98	4.23	3.83	3.91	3.68	3.60	3.54	3.33	3.26	2.82
	-10	3.53	4.21	3.39	3.89	3.26	3.59	3.14	3.32	2.84	2.75
	-15	2.78	4.18	2.67	3.86	2.57	3.56	2.47	3.29	2.14	2.62
Minimum frequency	20	1.93	7.63	1.86	7.05	1.79	6.50	1.72	6.00	1.67	5.65
	15	1.75	7.07	1.68	6.52	1.62	6.02	1.56	5.56	1.50	5.23
	12	1.65	6.78	1.59	6.26	1.53	5.78	1.47	5.33	1.41	4.99
	7	1.47	6.38	1.41	5.89	1.36	5.43	1.31	5.02	1.24	4.59
	2	1.29	6.01	1.24	5.55	1.19	5.12	1.15	4.73	1.08	4.24
	-7	0.96	5.70	0.92	5.26	0.89	4.86	0.85	4.48	0.78	3.80
	-10	0.85	5.68	0.82	5.24	0.79	4.84	0.76	4.47	0.68	3.70
	-15	0.67	5.63	0.64	5.20	0.62	4.80	0.60	4.43	0.52	3.52

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-EF50VGW/B/S, MSZ-EF50VGKW/B/S: MUZ-EF50VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	11.31	4.05	10.88	3.74	10.46	3.45	10.05	3.19	9.26	2.92
	15	10.23	3.90	9.83	3.60	9.45	3.33	9.09	3.07	8.67	2.81
	12	9.58	3.80	9.21	3.51	8.85	3.24	8.51	2.99	8.12	2.74
	7	8.49	3.62	8.16	3.34	7.85	3.08	7.50	2.85	7.20	2.60
	2	7.41	3.40	7.12	3.14	6.85	2.90	6.58	2.68	6.28	2.45
	-7	5.46	2.91	5.25	2.69	5.04	2.48	4.85	2.29	4.63	2.10
	-10	4.80	2.71	4.62	2.51	4.44	2.31	4.27	2.14	4.07	1.95
	-15	3.72	2.32	3.58	2.14	3.44	1.98	3.31	1.83	3.16	1.67
Rated frequency	20	8.62	5.68	8.29	5.24	7.97	4.84	7.66	4.46	7.44	4.20
	15	7.82	5.26	7.52	4.85	7.23	4.48	6.95	4.13	6.70	3.89
	12	7.36	5.04	7.08	4.65	6.81	4.29	6.55	3.96	6.29	3.71
	7	6.56	4.74	6.31	4.38	6.07	4.04	5.83	3.73	5.54	3.42
	2	5.75	4.47	5.53	4.12	5.31	3.81	5.11	3.51	4.80	3.16
	-7	4.28	4.24	4.11	3.91	3.96	3.61	3.80	3.33	3.50	2.83
	-10	3.79	4.22	3.64	3.90	3.50	3.60	3.37	3.32	3.05	2.75
	-15	2.99	4.19	2.87	3.86	2.76	3.57	2.65	3.29	2.30	2.62
Minimum frequency	20	2.08	7.12	2.00	6.58	1.92	6.07	1.85	5.60	1.80	5.27
	15	1.89	6.60	1.81	6.09	1.74	5.62	1.68	5.19	1.62	4.88
	12	1.78	6.33	1.71	5.84	1.64	5.39	1.58	4.98	1.52	4.66
	7	1.58	5.95	1.52	5.49	1.46	5.07	1.41	4.68	1.34	4.29
	2	1.39	5.61	1.33	5.18	1.28	4.78	1.23	4.41	1.16	3.96
	-7	1.03	5.32	0.99	4.91	0.95	4.53	0.92	4.18	0.84	3.55
	-10	0.91	5.30	0.88	4.89	0.85	4.52	0.81	4.17	0.74	3.45
	-15	0.72	5.25	0.69	4.85	0.67	4.48	0.64	4.13	0.55	3.29

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-BT20VG, MSZ-BT20VGK: MUZ-BT20VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	4.98	4.27	4.79	3.94	4.53	3.64	4.22	3.36	3.88	3.07
	15	4.46	4.20	4.29	3.87	4.12	3.58	3.97	3.30	3.75	3.02
	12	4.15	4.15	3.99	3.83	3.84	3.54	3.69	3.26	3.51	2.98
	7	3.63	4.05	3.49	3.74	3.36	3.45	3.20	3.19	3.08	2.91
	2	3.12	3.93	3.00	3.63	2.88	3.35	2.77	3.09	2.64	2.83
	-7	2.19	3.60	2.10	3.32	2.02	3.07	1.94	2.83	1.85	2.59
	-10	1.88	3.44	1.80	3.18	1.73	2.93	1.67	2.71	1.59	2.48
	-15	1.36	3.07	1.31	2.84	1.26	2.62	1.21	2.42	1.15	2.21
Rated frequency	20	3.72	6.94	3.57	6.41	3.44	5.91	3.30	5.46	3.21	5.13
	15	3.37	6.43	3.24	5.93	3.12	5.48	3.00	5.05	2.89	4.76
	12	3.17	6.16	3.05	5.69	2.94	5.25	2.82	4.85	2.71	4.54
	7	2.83	5.80	2.72	5.35	2.62	4.94	2.51	4.56	2.39	4.18
	2	2.48	5.46	2.38	5.04	2.29	4.65	2.20	4.30	2.07	3.86
	-7	1.84	5.18	1.77	4.78	1.71	4.41	1.64	4.08	1.51	3.46
	-10	1.63	5.16	1.57	4.77	1.51	4.40	1.45	4.06	1.32	3.36
	-15	1.29	5.12	1.24	4.72	1.19	4.36	1.14	4.02	0.99	3.20
Minimum frequency	20	1.04	7.12	1.00	6.58	0.96	6.07	0.92	5.60	0.90	5.27
	15	0.94	6.60	0.91	6.09	0.87	5.62	0.84	5.19	0.81	4.88
	12	0.89	6.33	0.85	5.84	0.82	5.39	0.79	4.98	0.76	4.66
	7	0.79	5.95	0.76	5.49	0.73	5.07	0.70	4.68	0.67	4.29
	2	0.69	5.61	0.67	5.18	0.64	4.78	0.62	4.41	0.58	3.96
	-7	0.52	5.32	0.50	4.91	0.48	4.53	0.46	4.18	0.42	3.55
	-10	0.46	5.30	0.44	4.89	0.42	4.52	0.41	4.17	0.37	3.45
	-15	0.36	5.25	0.35	4.85	0.33	4.48	0.32	4.13	0.28	3.29

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-BT25VG, MSZ-BT25VGK: MUZ-BT25VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	5.23	4.64	5.02	4.28	4.83	3.95	4.65	3.65	4.43	3.34
	15	4.74	4.51	4.56	4.17	4.38	3.85	4.21	3.55	4.02	3.25
	12	4.45	4.43	4.28	4.09	4.11	3.77	3.95	3.48	3.77	3.19
	7	3.96	4.27	3.81	3.94	3.66	3.64	3.50	3.36	3.36	3.07
	2	3.47	4.09	3.34	3.77	3.21	3.48	3.09	3.21	2.94	2.94
	-7	2.59	3.65	2.49	3.37	2.40	3.11	2.31	2.87	2.20	2.62
	-10	2.30	3.46	2.21	3.20	2.13	2.95	2.05	2.72	1.95	2.49
	-15	1.81	3.09	1.75	2.85	1.68	2.63	1.61	2.43	1.54	2.22
Rated frequency	20	4.68	10.69	4.50	9.86	4.33	9.11	4.16	8.41	4.04	7.91
	15	4.25	9.90	4.08	9.13	3.92	8.43	3.77	7.78	3.64	7.33
	12	4.00	9.49	3.85	8.76	3.70	8.09	3.56	7.46	3.41	6.98
	7	3.56	8.93	3.43	8.24	3.29	7.61	3.17	7.02	3.01	6.43
	2	3.12	8.41	3.00	7.76	2.89	7.17	2.77	6.62	2.61	5.94
	-7	2.32	7.98	2.23	7.37	2.15	6.80	2.07	6.28	1.90	5.32
	-10	2.06	7.95	1.98	7.34	1.90	6.77	1.83	6.25	1.66	5.18
	-15	1.62	7.88	1.56	7.27	1.50	6.71	1.44	6.20	1.25	4.93
Minimum frequency	20	1.04	7.12	1.00	6.58	0.96	6.07	0.92	5.60	0.90	5.27
	15	0.94	6.60	0.91	6.09	0.87	5.62	0.84	5.19	0.81	4.88
	12	0.89	6.33	0.85	5.84	0.82	5.39	0.79	4.98	0.76	4.66
	7	0.79	5.95	0.76	5.49	0.73	5.07	0.70	4.68	0.67	4.29
	2	0.69	5.61	0.67	5.18	0.64	4.78	0.62	4.41	0.58	3.96
	-7	0.52	5.32	0.50	4.91	0.48	4.53	0.46	4.18	0.42	3.55
	-10	0.46	5.30	0.44	4.89	0.42	4.52	0.41	4.17	0.37	3.45
	-15	0.36	5.25	0.35	4.85	0.33	4.48	0.32	4.13	0.28	3.29

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-BT35VG, MSZ-BT35VGK: MUZ-BT35VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	6.04	4.82	5.80	4.45	5.58	4.11	5.37	3.79	5.12	3.47
	15	5.50	4.67	5.28	4.31	5.08	3.98	4.89	3.67	4.66	3.36
	12	5.17	4.57	4.97	4.22	4.78	3.89	4.60	3.59	4.39	3.29
	7	4.63	4.38	4.45	4.04	4.28	3.73	4.10	3.45	3.93	3.15
	2	4.09	4.16	3.93	3.84	3.78	3.55	3.64	3.27	3.47	2.99
	-7	3.12	3.67	3.00	3.39	2.88	3.13	2.77	2.89	2.64	2.64
	-10	2.79	3.47	2.69	3.21	2.58	2.96	2.48	2.73	2.37	2.50
	-15	2.25	3.09	2.17	2.85	2.08	2.63	2.00	2.43	1.91	2.22
Rated frequency	20	5.35	5.91	5.14	5.45	4.95	5.04	4.76	4.65	4.62	4.37
	15	4.85	5.47	4.67	5.05	4.49	4.66	4.31	4.30	4.16	4.05
	12	4.57	5.25	4.40	4.84	4.23	4.47	4.06	4.13	3.90	3.86
	7	4.07	4.94	3.92	4.56	3.77	4.21	3.62	3.88	3.44	3.56
	2	3.57	4.65	3.43	4.29	3.30	3.96	3.17	3.66	2.98	3.29
	-7	2.66	4.41	2.55	4.07	2.46	3.76	2.36	3.47	2.17	2.94
	-10	2.35	4.40	2.26	4.06	2.17	3.75	2.09	3.46	1.89	2.86
	-15	1.85	4.36	1.78	4.02	1.71	3.71	1.65	3.43	1.43	2.73
Minimum frequency	20	1.34	7.63	1.29	7.05	1.24	6.50	1.19	6.00	1.15	5.65
	15	1.21	7.07	1.17	6.52	1.12	6.02	1.08	5.56	1.04	5.23
	12	1.14	6.78	1.10	6.26	1.06	5.78	1.02	5.33	0.98	4.99
	7	1.02	6.38	0.98	5.89	0.94	5.43	0.91	5.02	0.86	4.59
	2	0.89	6.01	0.86	5.55	0.82	5.12	0.79	4.73	0.74	4.24
	-7	0.66	5.70	0.64	5.26	0.61	4.86	0.59	4.48	0.54	3.80
	-10	0.59	5.68	0.57	5.24	0.54	4.84	0.52	4.47	0.47	3.70
	-15	0.46	5.63	0.45	5.20	0.43	4.80	0.41	4.43	0.36	3.52

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

Heating performance data

MSZ-BT50VG, MSZ-BT50VGK: MUZ-BT50VG

		Indoor DB (°C)									
		5		10		15		20		25	
	Ambient temperature (°C)	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max frequency	20	9.51	4.44	9.15	4.09	8.52	3.78	7.91	3.49	7.23	3.19
	15	8.68	4.31	8.34	3.98	8.02	3.67	7.61	3.39	7.01	3.10
	12	8.17	4.22	7.86	3.90	7.56	3.60	7.24	3.32	6.85	3.04
	7	7.34	4.07	7.06	3.75	6.78	3.47	6.50	3.20	6.22	2.93
	2	6.50	3.88	6.25	3.59	6.01	3.31	5.78	3.06	5.51	2.79
	-7	5.00	3.47	4.80	3.20	4.62	2.96	4.44	2.73	4.24	2.50
	-10	4.49	3.30	4.32	3.05	4.15	2.82	4.00	2.60	3.81	2.38
	-15	3.66	2.97	3.52	2.74	3.38	2.53	3.25	2.34	3.10	2.14
Rated frequency	20	8.03	5.32	7.72	4.91	7.42	4.53	7.13	4.18	6.93	3.94
	15	7.28	4.93	7.00	4.55	6.73	4.20	6.47	3.87	6.24	3.65
	12	6.86	4.72	6.59	4.36	6.34	4.02	6.10	3.71	5.85	3.48
	7	6.11	4.44	5.87	4.10	5.65	3.79	5.43	3.49	5.16	3.20
	2	5.35	4.19	5.14	3.86	4.95	3.57	4.76	3.29	4.47	2.96
	-7	3.98	3.97	3.83	3.67	3.68	3.38	3.54	3.12	3.26	2.65
	-10	3.53	3.96	3.39	3.65	3.26	3.37	3.14	3.11	2.84	2.58
	-15	2.78	3.92	2.67	3.62	2.57	3.34	2.47	3.08	2.14	2.45
Minimum frequency	20	2.08	7.92	2.00	7.31	1.92	6.75	1.85	6.23	1.80	5.86
	15	1.89	7.33	1.81	6.77	1.74	6.25	1.68	5.77	1.62	5.43
	12	1.78	7.03	1.71	6.49	1.64	5.99	1.58	5.53	1.52	5.17
	7	1.58	6.61	1.52	6.10	1.46	5.63	1.41	5.20	1.34	4.76
	2	1.39	6.23	1.33	5.75	1.28	5.31	1.23	4.90	1.16	4.40
	-7	1.03	5.91	0.99	5.46	0.95	5.04	0.92	4.65	0.84	3.94
	-10	0.91	5.89	0.88	5.44	0.85	5.02	0.81	4.63	0.74	3.84
	-15	0.72	5.84	0.69	5.39	0.67	4.97	0.64	4.59	0.55	3.65

* The changes in capacity and efficiency due to the defrosting operation are not considered.
* Ambient temperature condition is DB 20°C/WB 19°C, DB 15°C/WB 14°C,DB 12°C/WB 11°C, DB 7°C/WB 6°C, DB 2°C/WB 1°C, DB -7°C/WB -8°C, DB -10°C/WB -11°C, DB -20°C/WB -21°C, DB -25°C/WB -26°C

PERFORMANCE DATA HEAT operation at Rated frequency

MSZ-SF25VE3: MUZ-SF25VE, MUZ-SF25VEH

CAPACITY: 3.2 kW INPUT: 780 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	2.02	507	2.43	608	2.85	686	3.26	741	3.68	788	4.06	811	4.48	827
21	1.92	546	2.30	647	2.72	718	3.10	772	3.52	811	3.90	835	4.30	866
26	1.73	585	2.14	686	2.53	757	2.94	811	3.36	850	3.74	874	4.16	897

MSZ-SF35VE3: MUZ-SF35VE, MUZ-SF35VEH

CAPACITY: 4.0 kW INPUT: 1030 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	2.52	670	3.04	803	3.56	906	4.08	979	4.60	1040	5.08	1071	5.60	1092
21	2.40	721	2.88	855	3.40	948	3.88	1020	4.40	1071	4.88	1102	5.38	1143
26	2.16	773	2.68	906	3.16	999	3.68	1071	4.20	1123	4.68	1154	5.20	1185

MSZ-SF42VE3: MUZ-SF42VE, MUZ-SF42VEH

CAPACITY: 5.4 kW INPUT: 1580 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	3.40	1027	4.10	1232	4.81	1390	5.51	1501	6.21	1596	6.86	1643	7.56	1675
21	3.24	1106	3.89	1311	4.59	1454	5.24	1564	5.94	1643	6.59	1691	7.26	1754
26	2.92	1185	3.62	1390	4.27	1533	4.97	1643	5.67	1722	6.32	1770	7.02	1817

MSZ-SF50VE3: MUZ-SF50VE, MUZ-SF50VEH

CAPACITY: 5.8 kW INPUT: 1700 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	3.65	1105	4.41	1326	5.16	1496	5.92	1615	6.67	1717	7.37	1768	8.12	1802
21	3.48	1190	4.18	1411	4.93	1564	5.63	1683	6.38	1768	7.08	1819	7.80	1887
26	3.13	1275	3.89	1496	4.58	1649	5.34	1768	6.09	1853	6.79	1904	7.54	1955

MSZ-GF60VE2: MUZ-GF60VE

CAPACITY: 6.8 kW INPUT: 1810 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	4.28	1177	5.17	1412	6.05	1593	6.94	1720	7.82	1828	8.64	1882	9.52	1919
21	4.08	1267	4.90	1502	5.78	1665	6.60	1792	7.48	1882	8.30	1937	9.15	2009
26	3.67	1358	4.56	1593	5.37	1756	6.26	1882	7.14	1973	7.96	2027	8.84	2082

MSZ-GF71VE2: MUZ-GF71VE

CAPACITY: 8.1 kW INPUT: 2230 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	5.10	1450	6.16	1739	7.21	1962	8.26	2119	9.32	2252	10.29	2319	11.34	2364
21	4.86	1561	5.83	1851	6.89	2052	7.86	2208	8.91	2319	9.88	2386	10.89	2475
26	4.37	1673	5.43	1962	6.40	2163	7.45	2319	8.51	2431	9.48	2498	10.53	2565

NOTE: Q: Total capacity (kW) INPUT : Total power input (W) DB: Dry-bulb temperature WB: Wet-bulb temperature

PERFORMANCE DATA HEAT operation at Rated frequency

MUZ-WN25VA: MUZ-WN25VA

CAPACITY: 3.15 kW INPUT: 850 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	1.98	553	2.39	663	2.80	748	3.21	808	3.62	859	4.00	884	4.41	901
21	1.89	595	2.27	706	2.68	782	3.06	842	3.47	884	3.84	910	4.24	944
26	1.70	638	2.11	748	2.49	825	2.90	884	3.31	927	3.69	952	4.10	978

MUZ-WN35VA: MUZ-WN35VA

CAPACITY: 3.6 kW INPUT: 975 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	2.27	634	2.74	761	3.20	858	3.67	926	4.14	985	4.57	1014	5.04	1034
21	2.16	683	2.59	809	3.06	897	3.49	965	3.96	1014	4.39	1043	4.84	1082
26	1.94	731	2.41	858	2.84	946	3.31	1014	3.78	1063	4.21	1092	4.68	1121

MSZ-DM25VA: MUZ-DM25VA

CAPACITY: 3.15 kW INPUT: 850 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	1.98	553	2.39	663	2.80	748	3.21	808	3.62	859	4.00	884	4.41	901
21	1.89	595	2.27	706	2.68	782	3.06	842	3.47	884	3.84	910	4.24	944
26	1.70	638	2.11	748	2.49	825	2.90	884	3.31	927	3.69	952	4.10	978

MSZ-DM35VA: MUZ-DM35VA

CAPACITY: 3.6 kW INPUT: 975 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	2.27	634	2.74	761	3.20	858	3.67	926	4.14	985	4.57	1014	5.04	1034
21	2.16	683	2.59	809	3.06	897	3.49	965	3.96	1014	4.39	1043	4.84	1082
26	1.94	731	2.41	858	2.84	946	3.31	1014	3.78	1063	4.21	1092	4.68	1121

NOTE: Q: Total capacity (kW) INPUT : Total power input (W) DB: Dry-bulb temperature WB: Wet-bulb temperature

PERFORMANCE DATA HEAT operation at Rated frequency

MSZ-HJ25VA: MUZ-HJ25VA

CAPACITY: 3.15 kW INPUT: 870 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	1.98	566	2.39	679	2.80	766	3.21	827	3.62	879	4.00	905	4.41	922
21	1.89	609	2.27	722	2.68	800	3.06	861	3.47	905	3.84	931	4.24	966
26	1.70	653	2.11	766	2.49	844	2.90	905	3.31	948	3.69	974	4.10	1001

MSZ-HJ35VA: MUZ-HJ35VA

CAPACITY: 3.6 kW INPUT: 995 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	2.27	647	2.74	776	3.20	876	3.67	945	4.14	1005	4.57	1035	5.04	1055
21	2.16	697	2.59	826	3.06	915	3.49	985	3.96	1035	4.39	1065	4.84	1104
26	1.94	746	2.41	876	2.84	965	3.31	1035	3.78	1085	4.21	1114	4.68	1144

MSZ-HJ50VA: MUZ-HJ50VA

CAPACITY: 5.4 kW INPUT: 1480 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	3.40	962	4.10	1154	4.81	1302	5.51	1406	6.21	1495	6.86	1539	7.56	1569
21	3.24	1036	3.89	1228	4.59	1362	5.24	1465	5.94	1539	6.59	1584	7.26	1643
26	2.92	1110	3.62	1302	4.27	1436	4.97	1539	5.67	1613	6.32	1658	7.02	1702

MSZ-HJ60VA: MUZ-HJ60VA

CAPACITY: 6.8 kW INPUT: 1970 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	4.28	1281	5.17	1537	6.05	1734	6.94	1872	7.82	1990	8.64	2049	9.52	2088
21	4.08	1379	4.90	1635	5.78	1812	6.60	1950	7.48	2049	8.30	2108	9.15	2187
26	3.67	1478	4.56	1734	5.37	1911	6.26	2049	7.14	2147	7.96	2206	8.84	2266

MSZ-HJ71VA: MUZ-HJ71VA

CAPACITY: 8.1 kW INPUT: 2440 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	5.10	1586	6.16	1903	7.21	2147	8.26	2318	9.32	2464	10.29	2538	11.34	2586
21	4.86	1708	5.83	2025	6.89	2245	7.86	2416	8.91	2538	9.88	2611	10.89	2708
26	4.37	1830	5.43	2147	6.40	2367	7.45	2538	8.51	2660	9.48	2733	10.53	2806

NOTE: Q: Total capacity (kW) INPUT : Total power input (W) DB: Dry-bulb temperature WB: Wet-bulb temperature

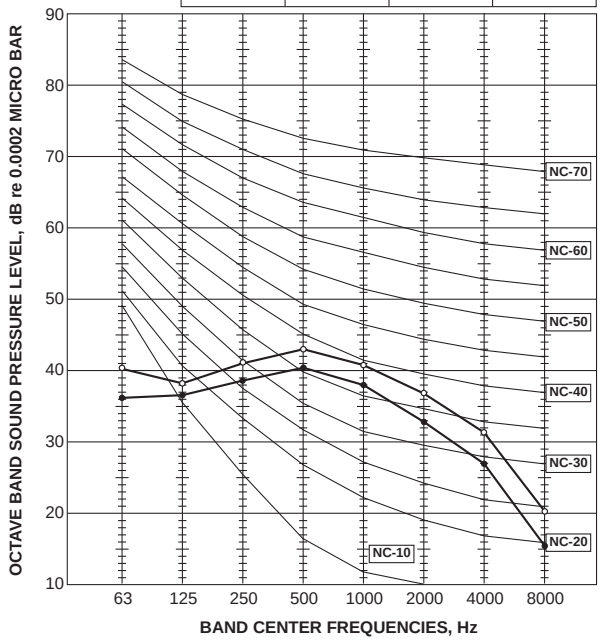
C.1.7 NOISE CRITERIA CURVES

C.1.7.1 Indoor Unit

MSZ-LN18VG2W
MSZ-LN18VG2V
MSZ-LN18VG2B
MSZ-LN18VG2R
MSZ-LN25VG2W
MSZ-LN25VG2V
MSZ-LN25VG2B
MSZ-LN25VG2R

INDOOR UNIT

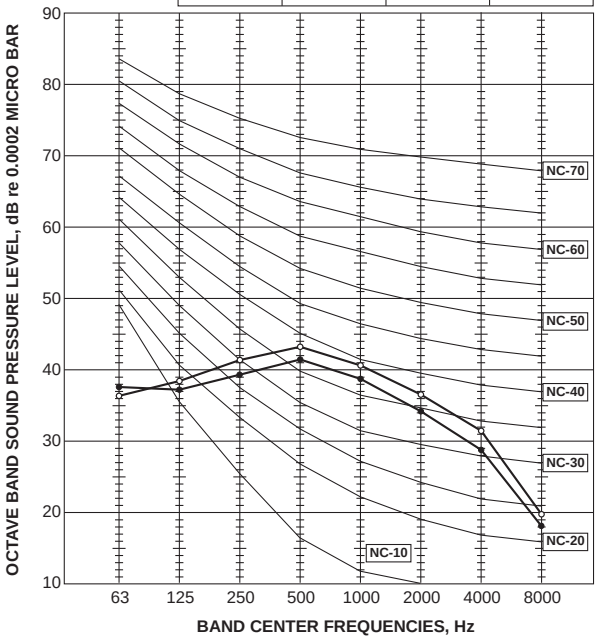
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	42	●—●
	HEATING	45	○—○



MSZ-LN35VG2W
MSZ-LN35VG2V
MSZ-LN35VG2B
MSZ-LN35VG2R

INDOOR UNIT

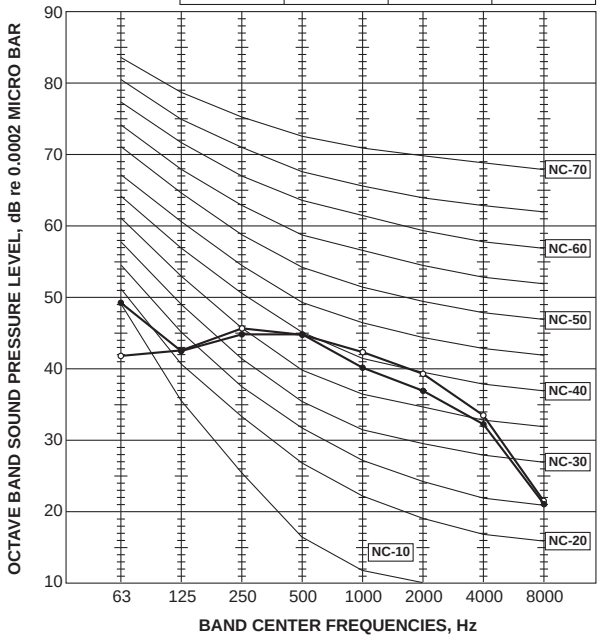
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	43	●—●
	HEATING	45	○—○



MSZ-LN50VG2W
MSZ-LN50VG2V
MSZ-LN50VG2B
MSZ-LN50VG2R

INDOOR UNIT

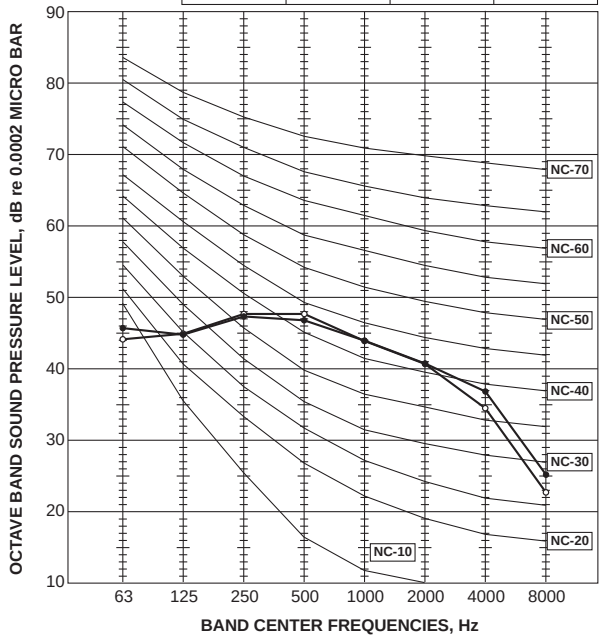
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	46	●—●
	HEATING	47	○—○



MSZ-LN60VG2W
MSZ-LN60VG2V
MSZ-LN60VG2B
MSZ-LN60VG2R

INDOOR UNIT

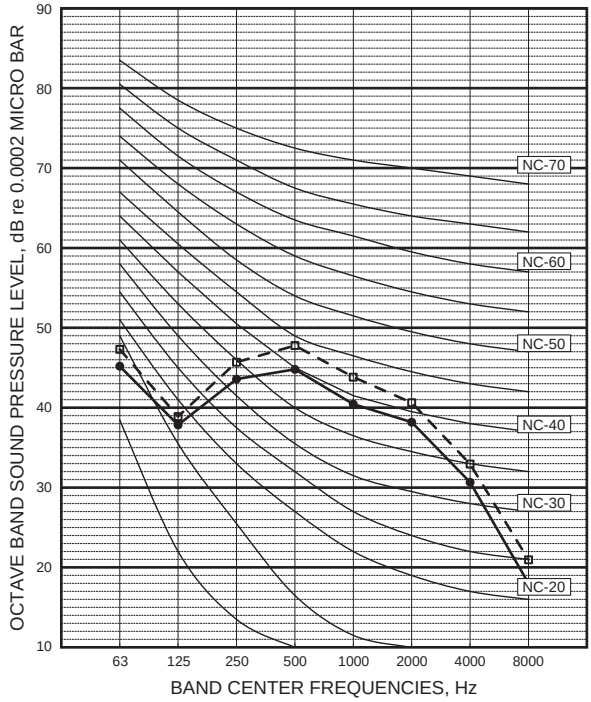
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	49	●—●
	HEATING	49	○—○



MSZ-FT25VG
MSZ-FT25VGK

INDOOR UNIT

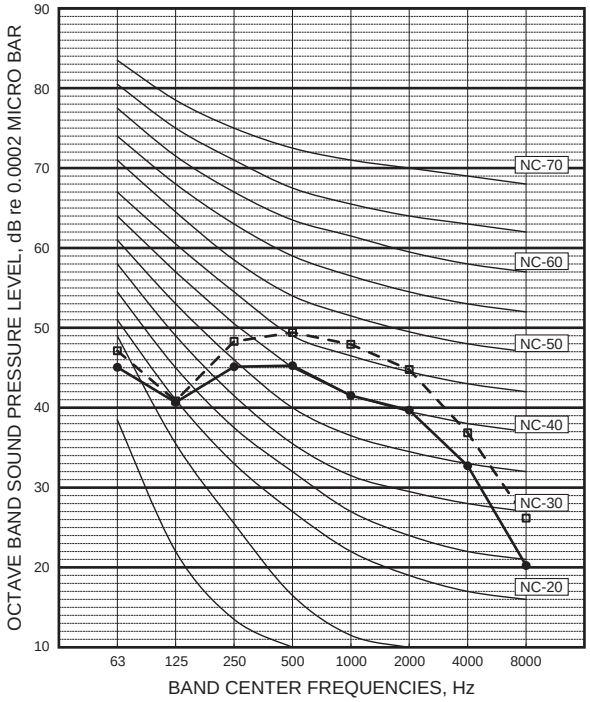
FUNCTION	SPL(dB(A))	LINE
COOLING	46	●——●
HEATING	49	□ – – □



MSZ-FT35VG
MSZ-FT35VGK

INDOOR UNIT

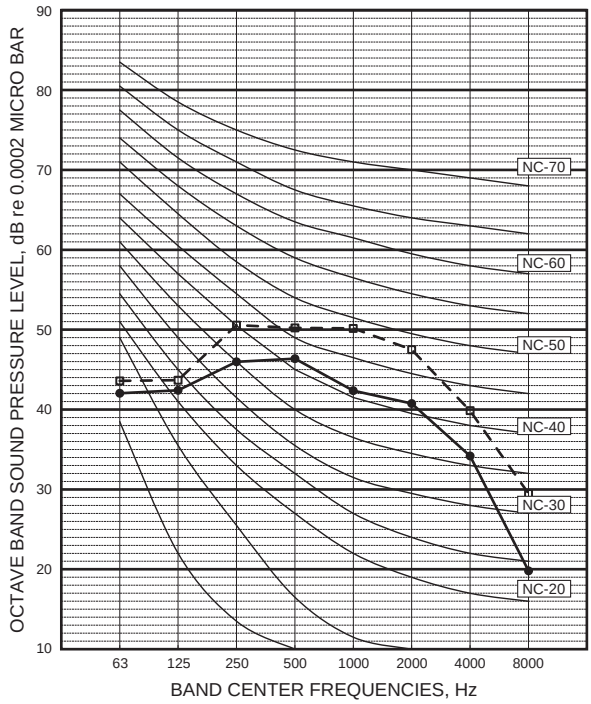
FUNCTION	SPL(dB(A))	LINE
COOLING	47	●——●
HEATING	52	□ – – □



MSZ-FT50VG
MSZ-FT50VGK

INDOOR UNIT

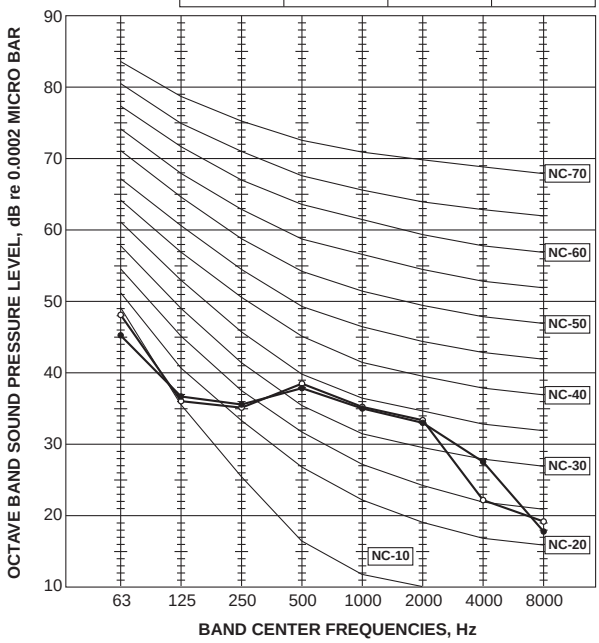
FUNCTION	SPL(dB(A))	LINE
COOLING	48	●——●
HEATING	54	□ – – □



MSZ-AP15VG
MSZ-AP15VGK

INDOOR UNIT

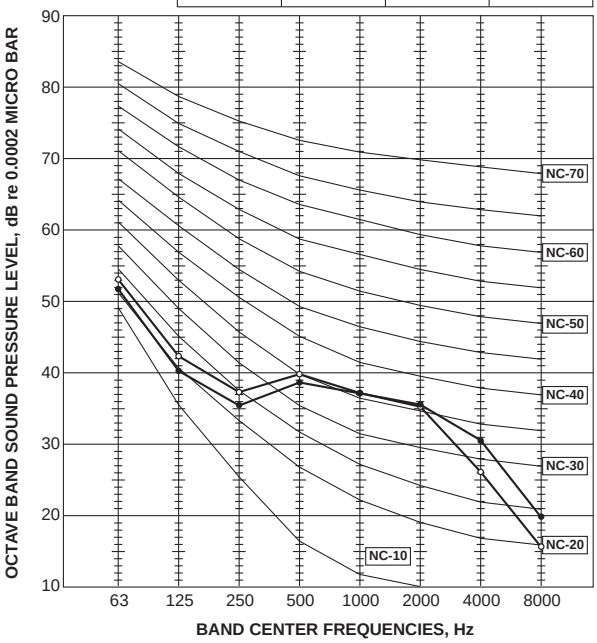
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	40	●—●
	HEATING	40	○—○



MSZ-AP20VG
MSZ-AP20VGK

INDOOR UNIT

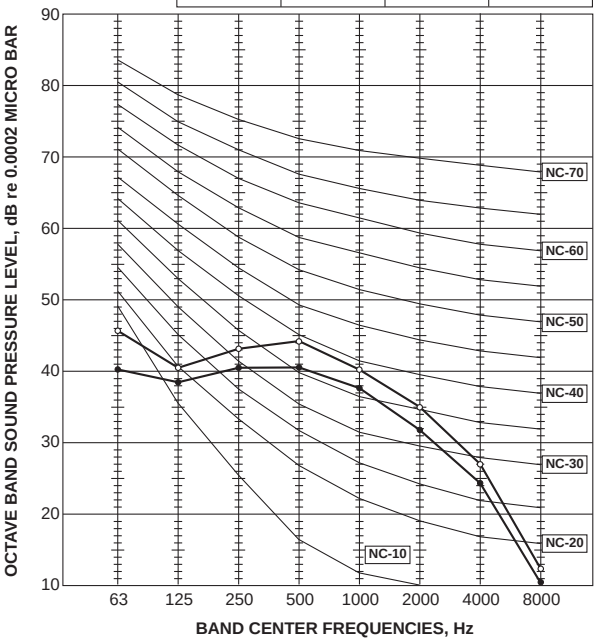
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	42	●—●
	HEATING	42	○—○



MSZ-AP25VG
MSZ-AP25VGK

INDOOR UNIT

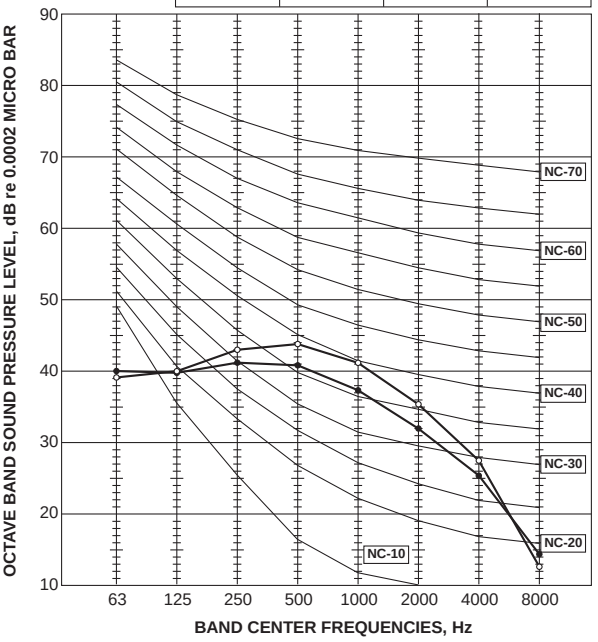
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	42	●—●
	HEATING	45	○—○



MSZ-AP35VG
MSZ-AP35VGK

INDOOR UNIT

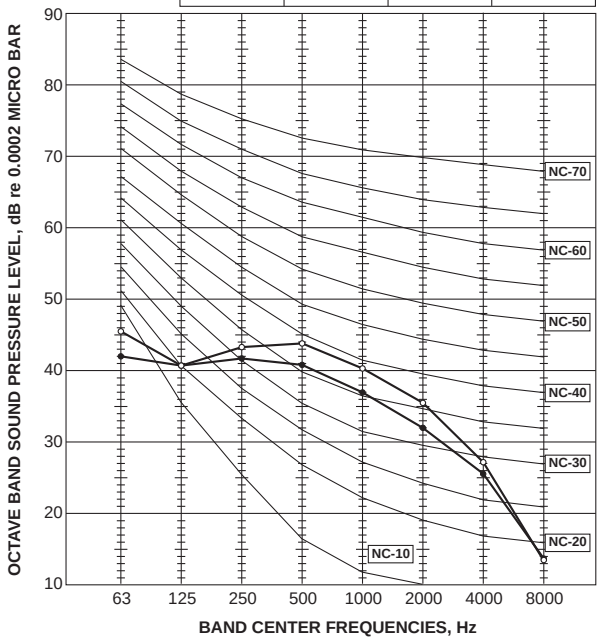
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	42	●—●
	HEATING	45	○—○



MSZ-AP42VG
MSZ-AP42VGK

INDOOR UNIT

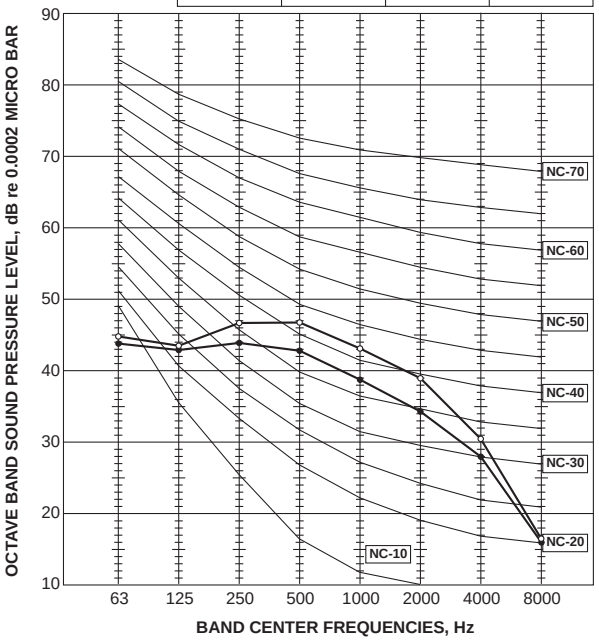
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	42	●—●
	HEATING	45	○—○



MSZ-AP50VG
MSZ-AP50VGK

INDOOR UNIT

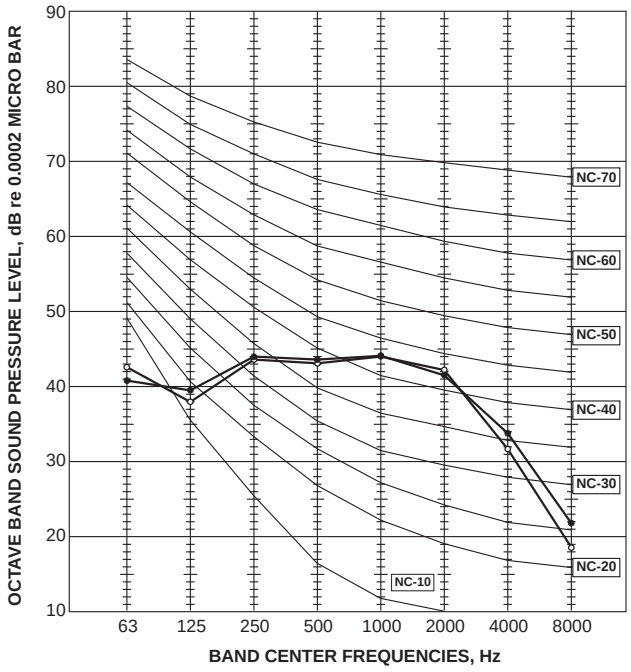
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	44	●—●
	HEATING	48	○—○



MSZ-AP60VG
MSZ-AP60VGK

INDOOR UNIT

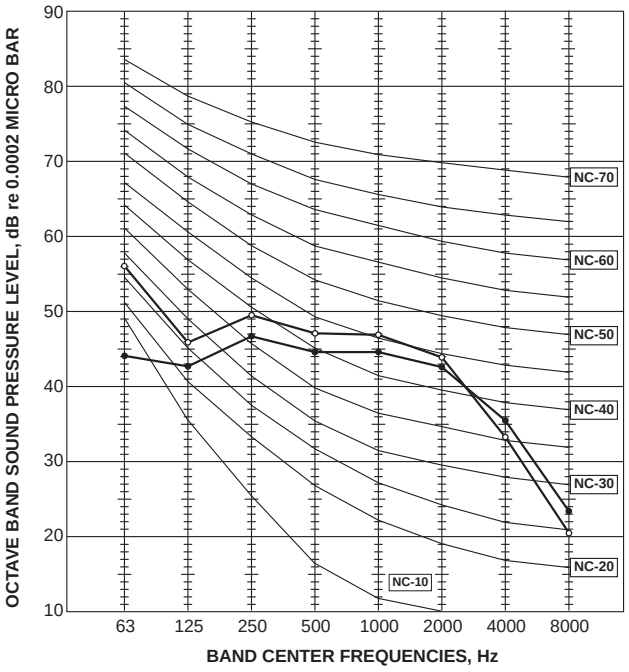
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	48	●—●
	HEATING	48	○—○



MSZ-AP71VG
MSZ-AP71VGK

INDOOR UNIT

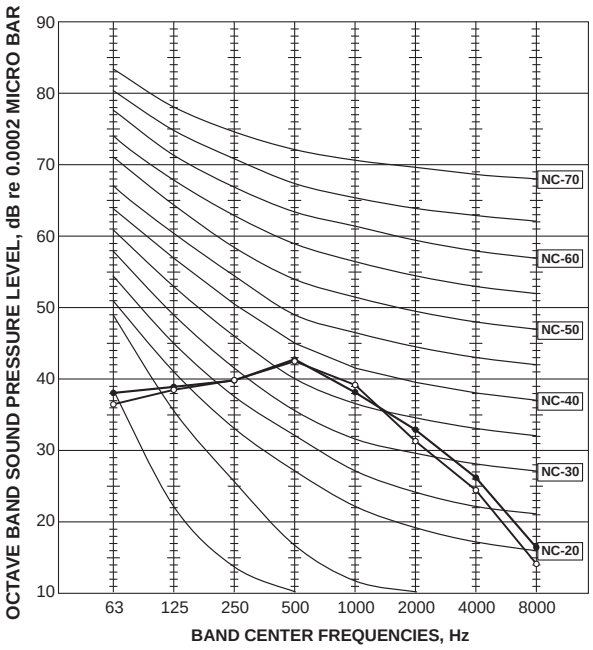
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	49	●—●
	HEATING	51	○—○



MSZ-HR25VF

INDOOR UNIT

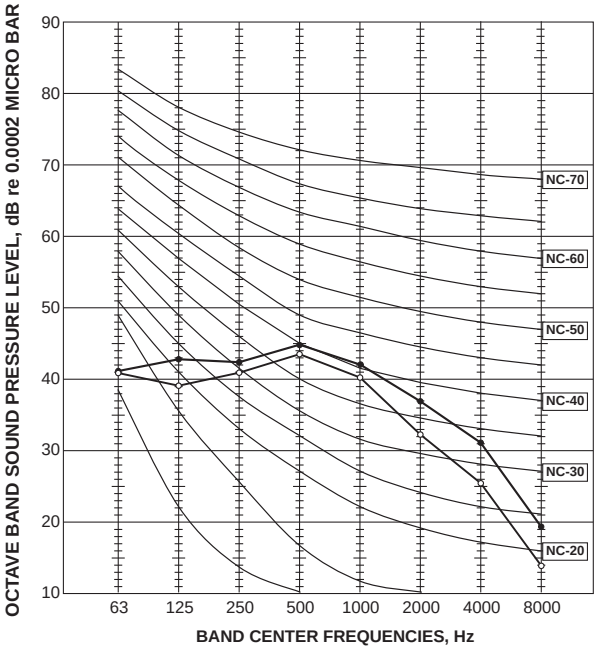
FUNCTION	SPL(dB(A))	LINE
COOLING	43	●—●
HEATING	43	○—○



MSZ-HR35VF

INDOOR UNIT

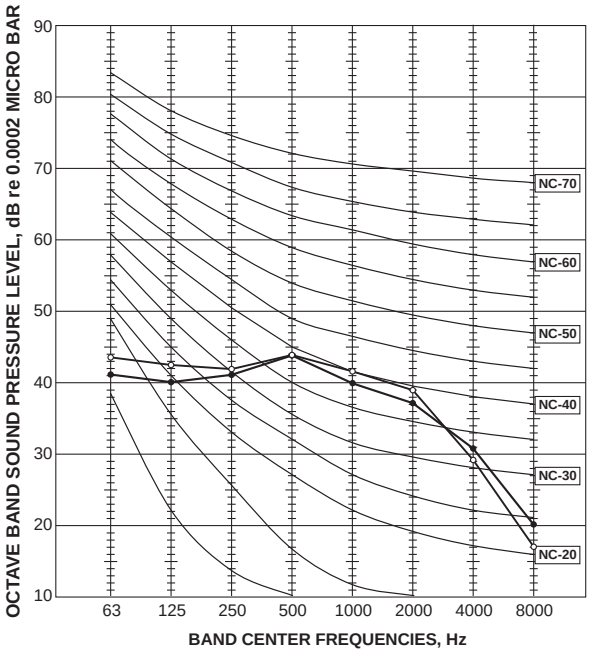
FUNCTION	SPL(dB(A))	LINE
COOLING	46	●—●
HEATING	44	○—○



MSZ-HR42VF

INDOOR UNIT

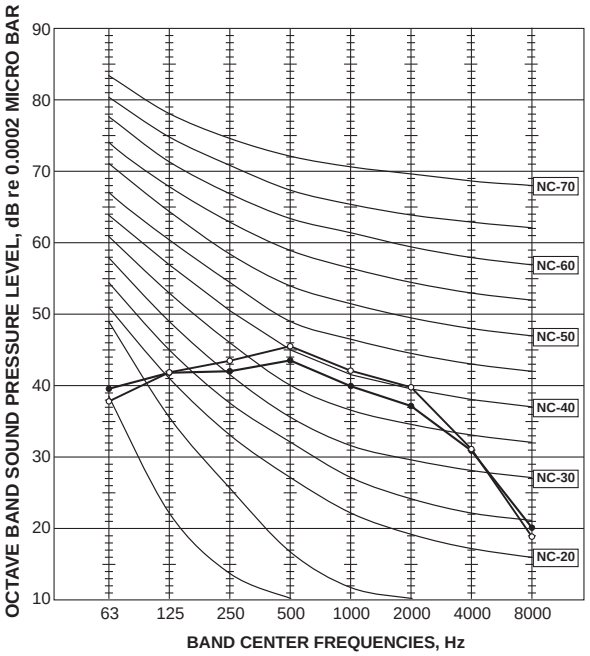
FUNCTION	SPL(dB(A))	LINE
COOLING	45	●—●
HEATING	46	○—○



MSZ-HR50VF

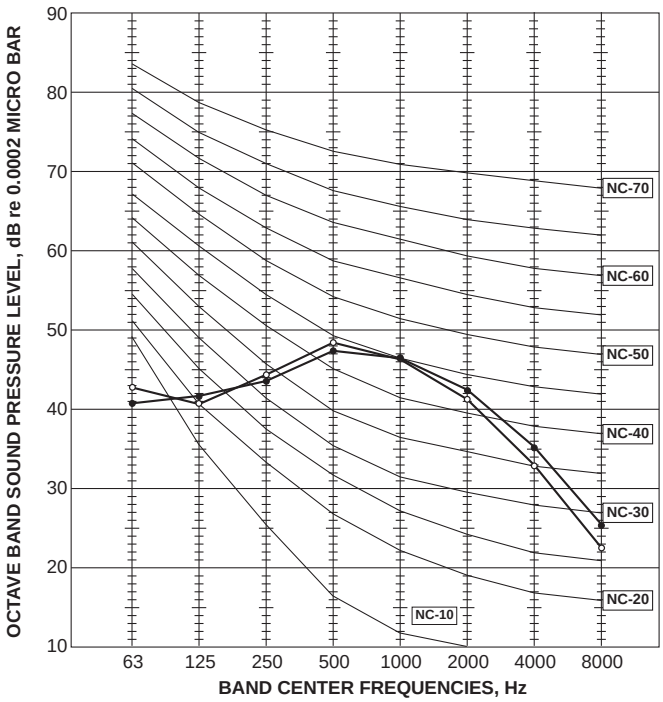
INDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	45	●—●
HEATING	47	○—○



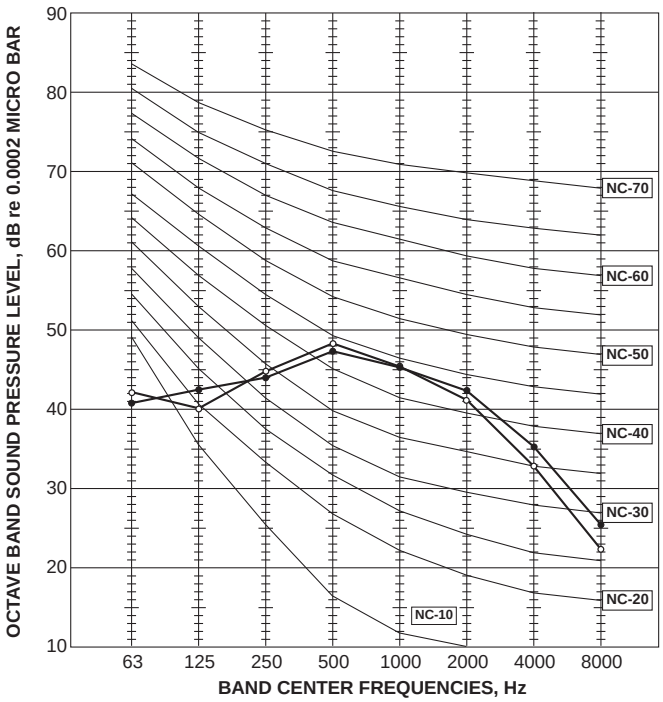
MSZ-HR60VF

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	50	●—●
	HEATING	50	○—○



MSZ-HR71VF

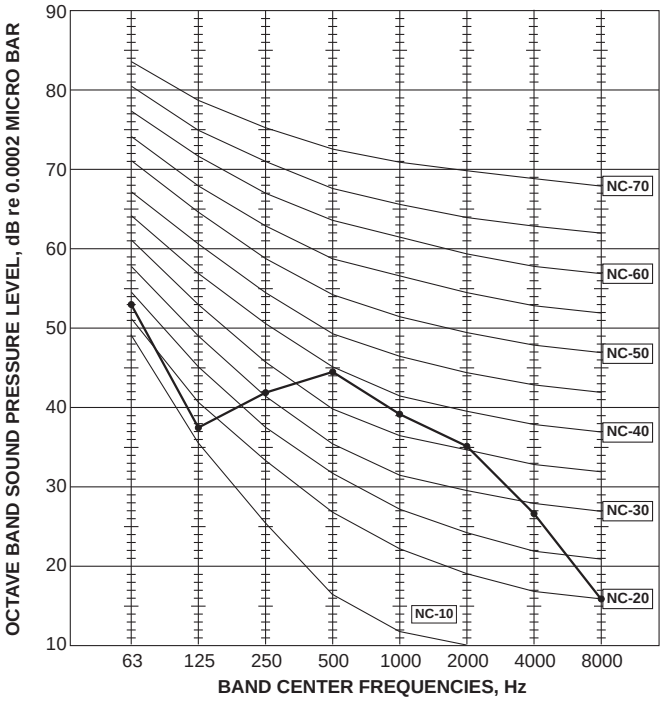
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	50	●—●
	HEATING	50	○—○



MSY-TP35VF

INDOOR UNIT

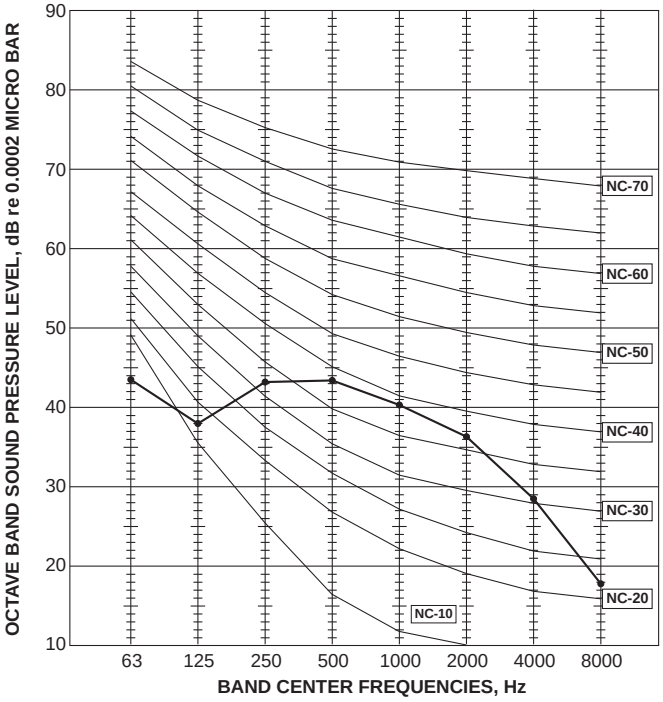
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	45	●—●



MSY-TP50VF

INDOOR UNIT

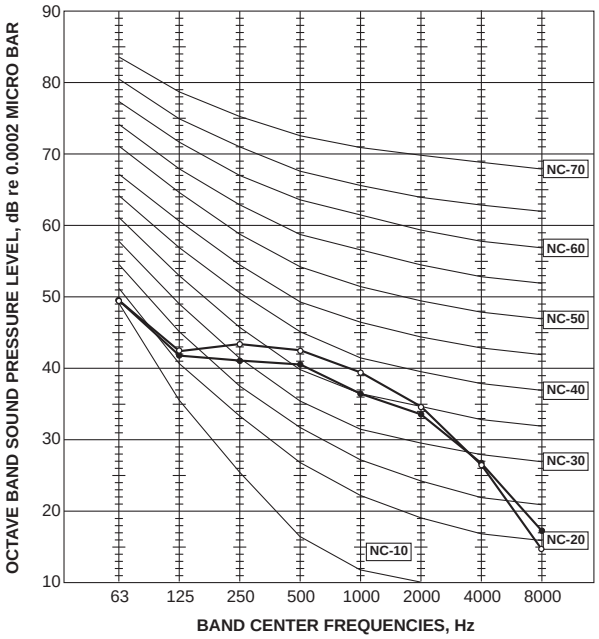
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	45	●—●



MSZ-FH25VE2 MSZ-FH35VE2

INDOOR UNIT

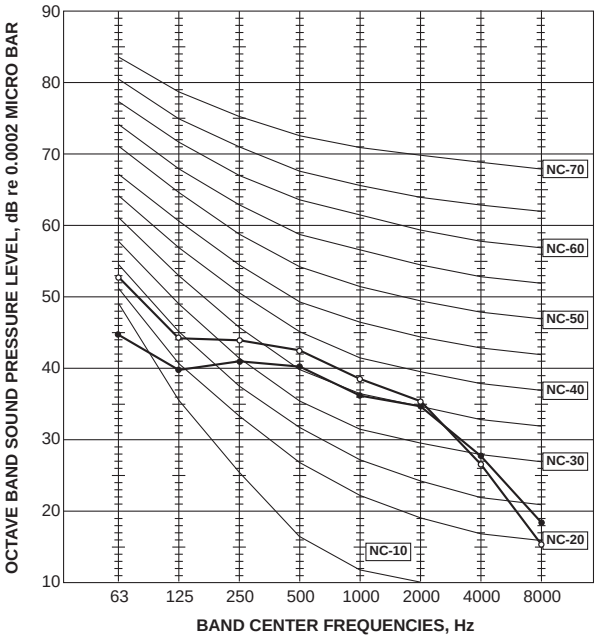
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	42	●—●
	HEATING	44	○—○



MSZ-FH50VE2

INDOOR UNIT

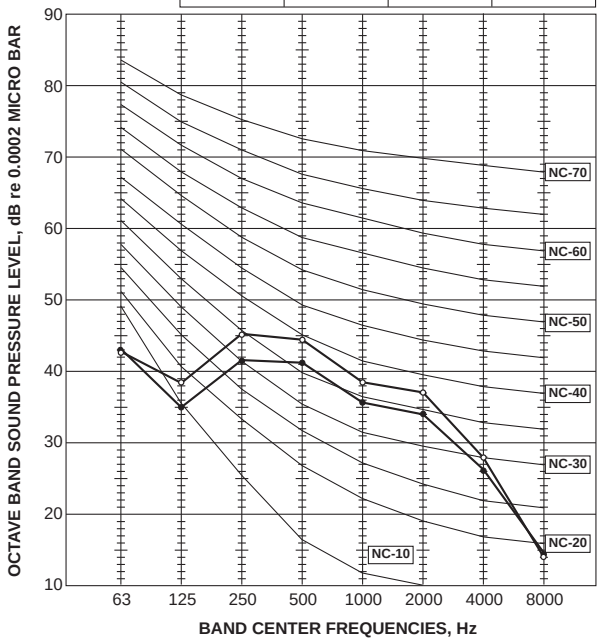
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	44	●—●
	HEATING	46	○—○



MSZ-EF18VGW MSZ-EF22VGW MSZ-EF25VGW
MSZ-EF18VGB MSZ-EF22VGB MSZ-EF25VGB
MSZ-EF18VGS MSZ-EF22VGS MSZ-EF25VGS
MSZ-EF18VGKW MSZ-EF22VGKW MSZ-EF25VGKW
MSZ-EF18VGKB MSZ-EF22VGKB MSZ-EF25VGKB
MSZ-EF18VGKS MSZ-EF22VGKS MSZ-EF25VGKS

INDOOR UNIT

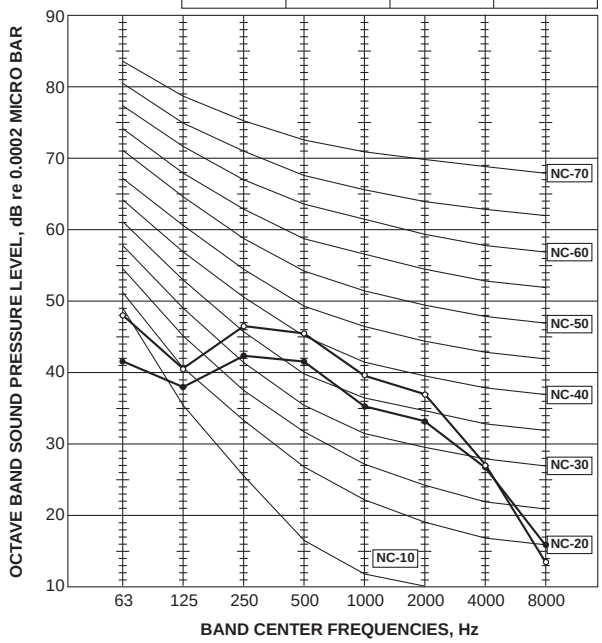
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	42	●—●
	HEATING	45	○—○



MSZ-EF35VGW MSZ-EF35VGKB
MSZ-EF35VGB MSZ-EF35VGKS
MSZ-EF35VGS MSZ-EF35VGKW

INDOOR UNIT

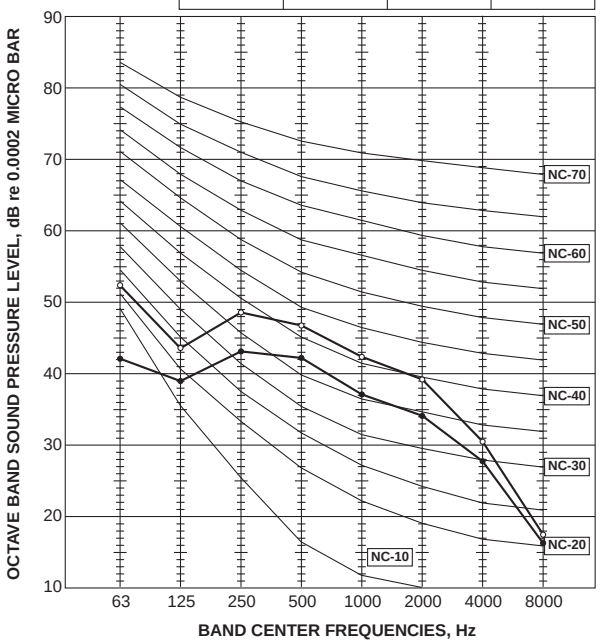
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	42	●—●
	HEATING	46	○—○



MSZ-EF42VGW MSZ-EF42VGKW
MSZ-EF42VGB MSZ-EF42VGKB
MSZ-EF42VGS MSZ-EF42VGKS

INDOOR UNIT

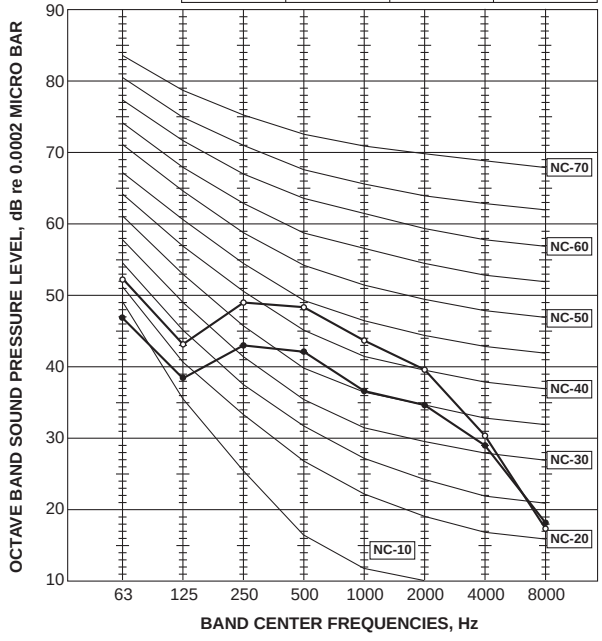
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	43	●—●
	HEATING	48	○—○



MSZ-EF50VGW MSZ-EF50VGKW
MSZ-EF50VGB MSZ-EF50VGKB
MSZ-EF50VGS MSZ-EF50VGKS

INDOOR UNIT

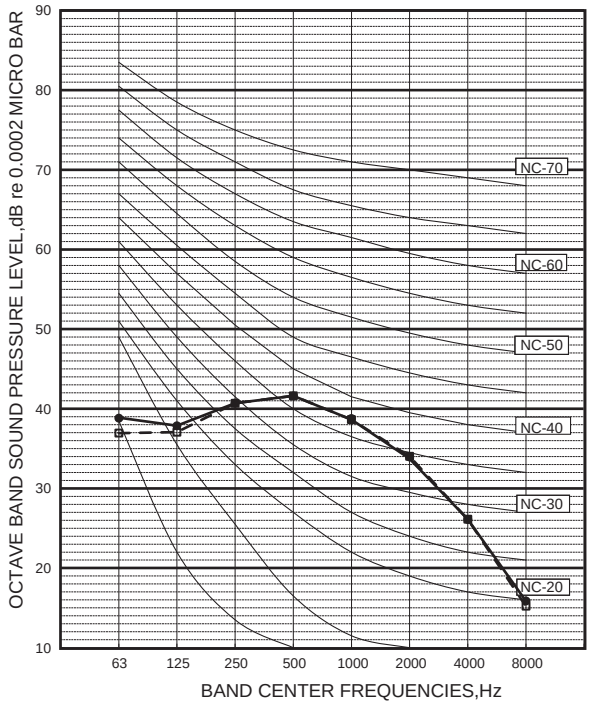
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	43	●—●
	HEATING	49	○—○



MSZ-BT20VG
MSZ-BT20VGK

INDOOR UNIT

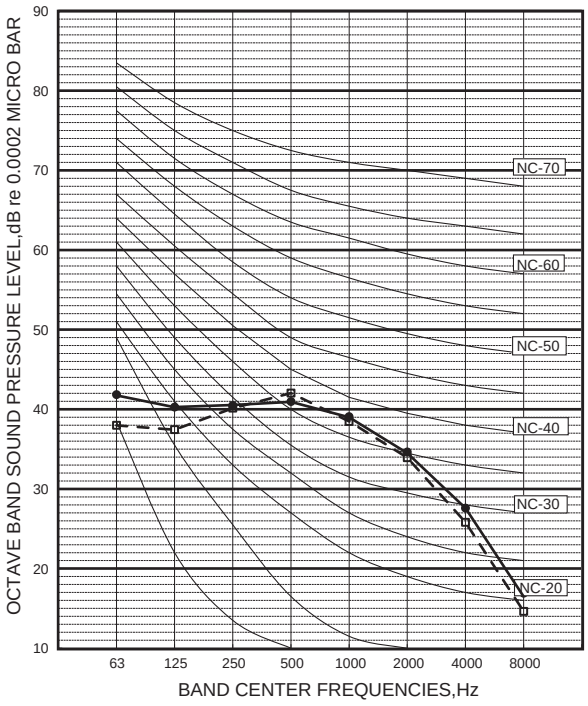
FUNCTION	SPL(dB(A))	LINE
COOLING	43	●——●
HEATING	43	□– – –□



MSZ-BT25VG
MSZ-BT25VGK

INDOOR UNIT

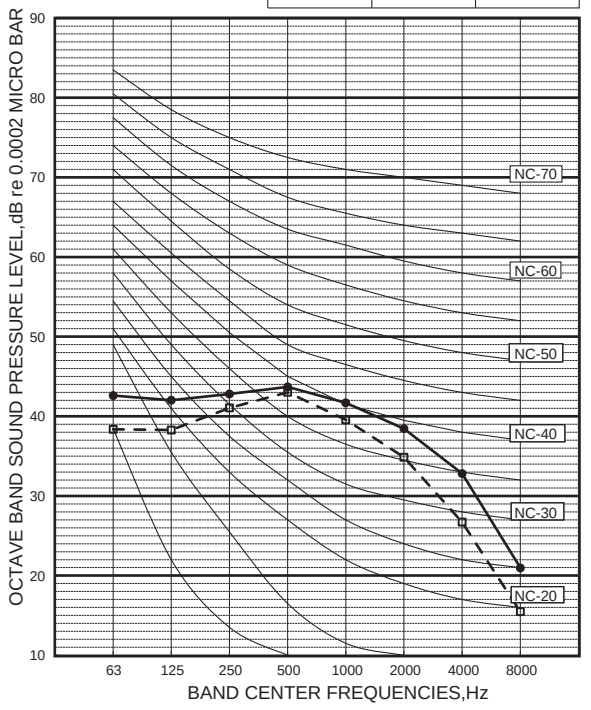
FUNCTION	SPL(dB(A))	LINE
COOLING	43	●——●
HEATING	43	□– – –□



MSZ-BT35VG
MSZ-BT35VGK

INDOOR UNIT

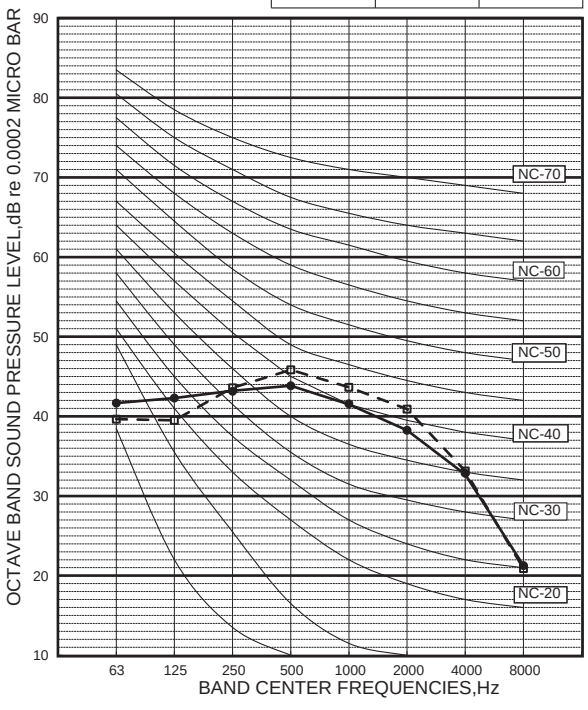
FUNCTION	SPL(dB(A))	LINE
COOLING	46	●——●
HEATING	44	□– – –□



MSZ-BT50VG
MSZ-BT50VGK

INDOOR UNIT

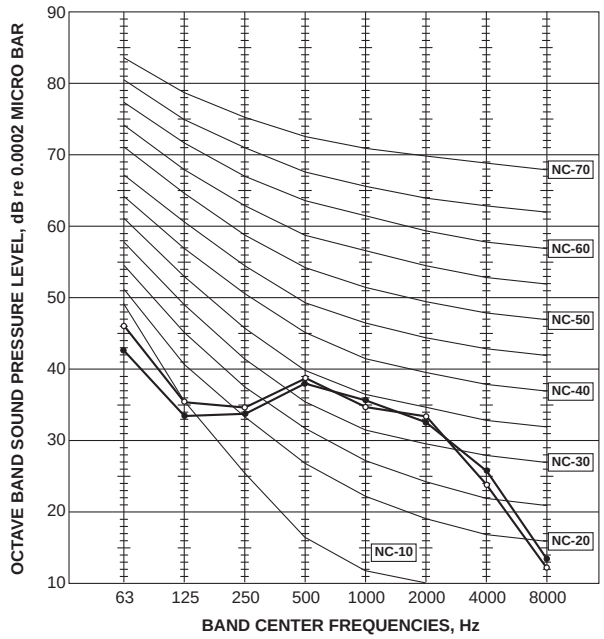
FUNCTION	SPL(dB(A))	LINE
COOLING	46	●——●
HEATING	48	□– – –□



MSZ-SF15VA

INDOOR UNIT

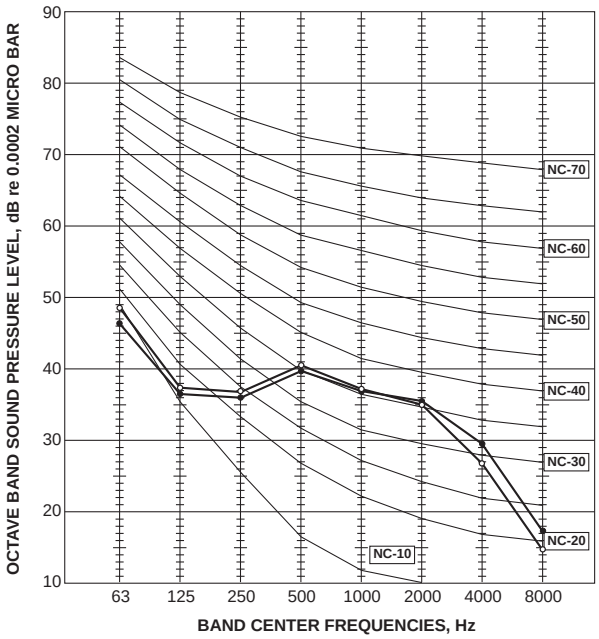
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	40	●—●
	HEATING	40	○—○



MSZ-SF20VA

INDOOR UNIT

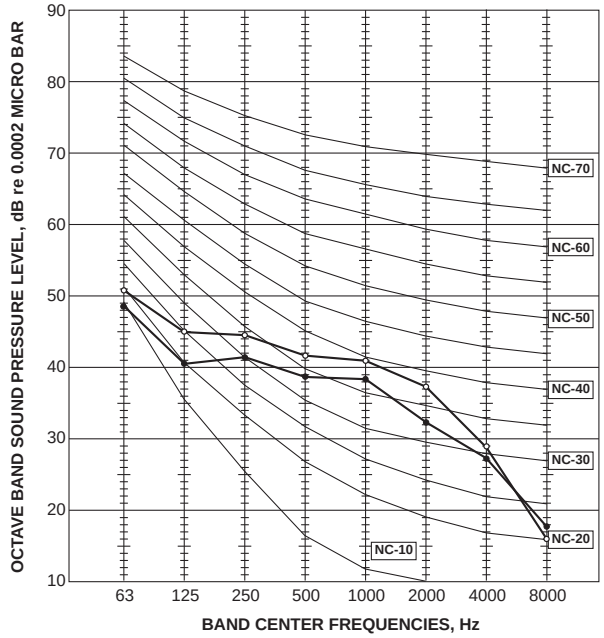
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	42	●—●
	HEATING	42	○—○



MSZ-SF25VE3

INDOOR UNIT

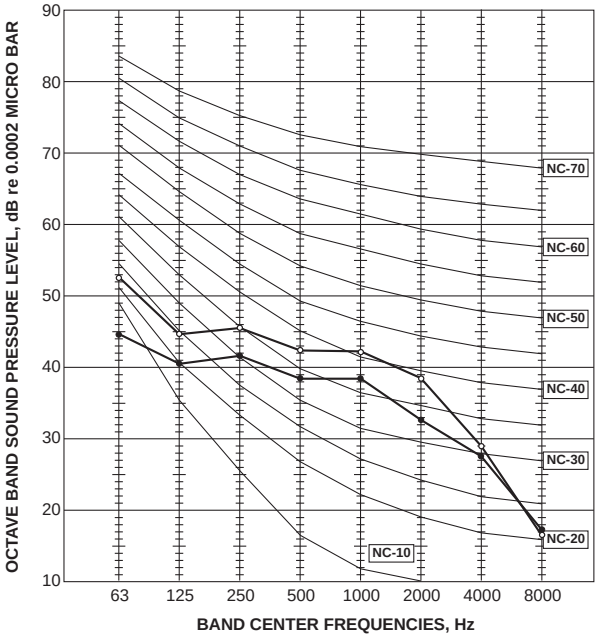
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	42	●—●
	HEATING	45	○—○



MSZ-SF35VE3

INDOOR UNIT

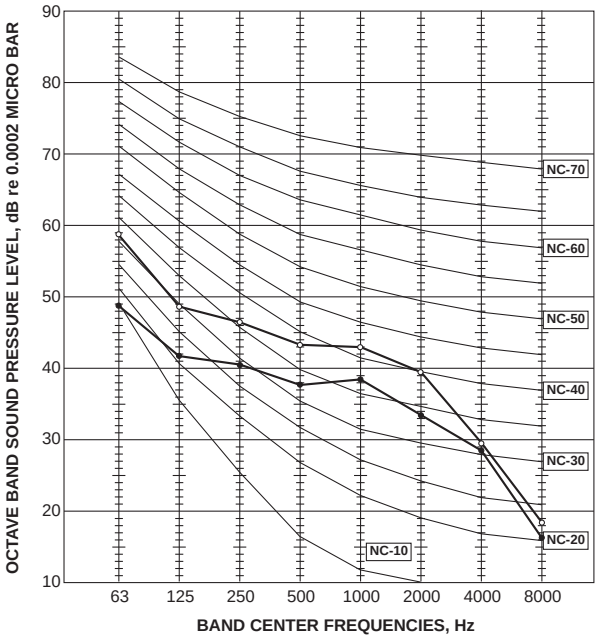
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	42	●—●
	HEATING	46	○—○



MSZ-SF42VE3

INDOOR UNIT

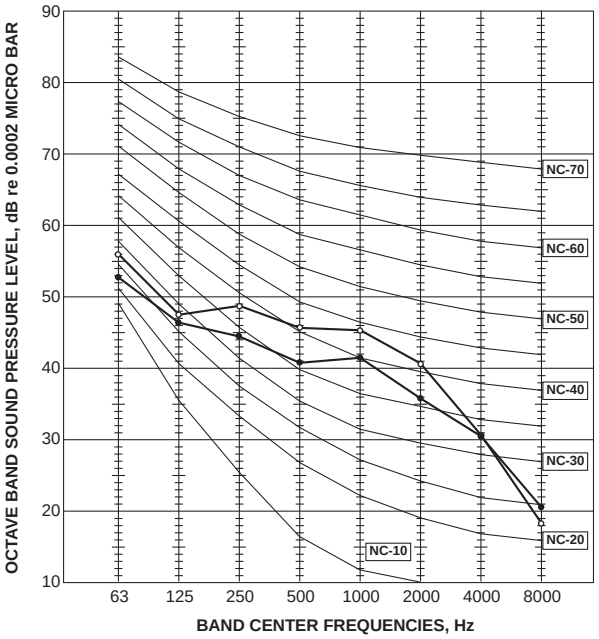
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	42	●—●
	HEATING	47	○—○



MSZ-SF50VE3

INDOOR UNIT

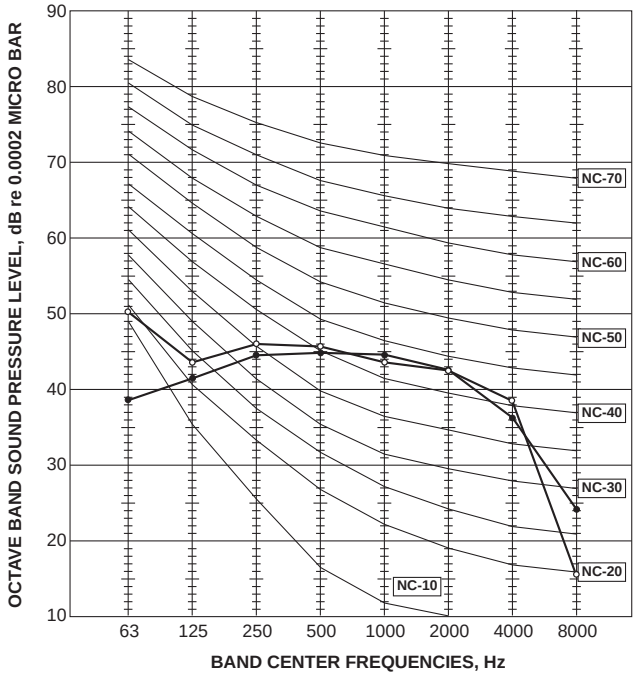
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	45	●—●
	HEATING	49	○—○



MSZ-GF60VE2

INDOOR UNIT

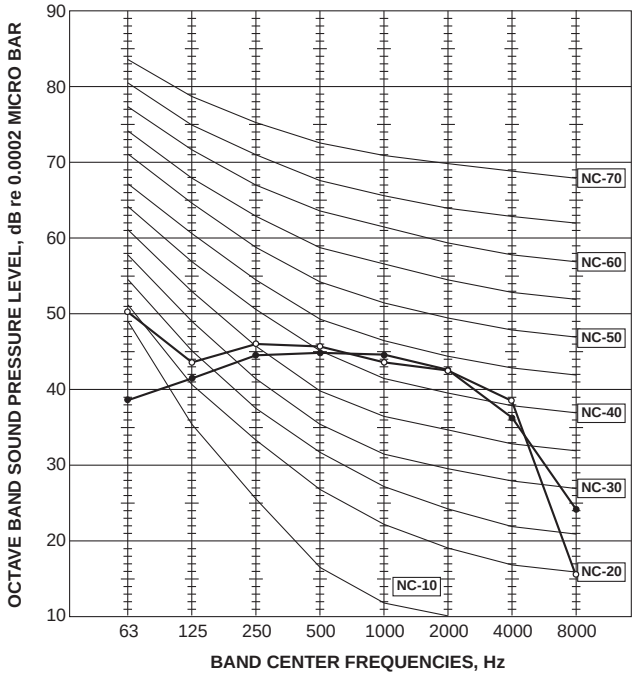
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	49	●—●
	HEATING	49	○—○



MSZ-GF71VE2

INDOOR UNIT

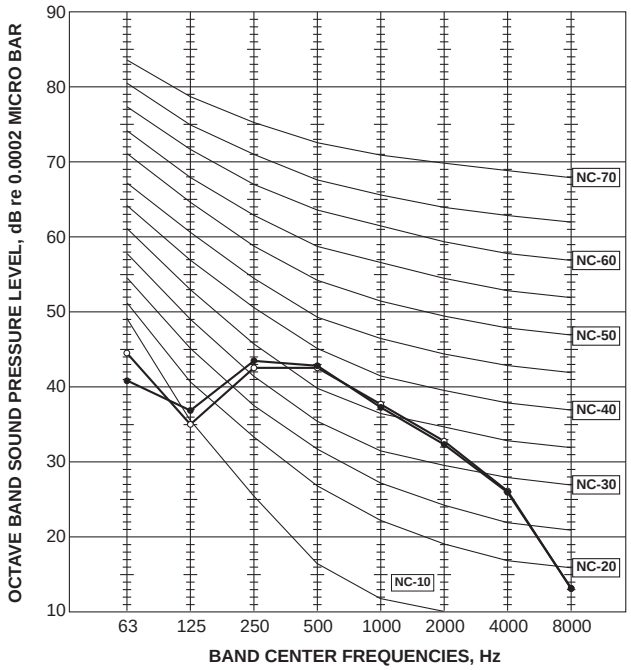
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	49	●—●
	HEATING	49	○—○



MSZ-WN25VA

INDOOR UNIT

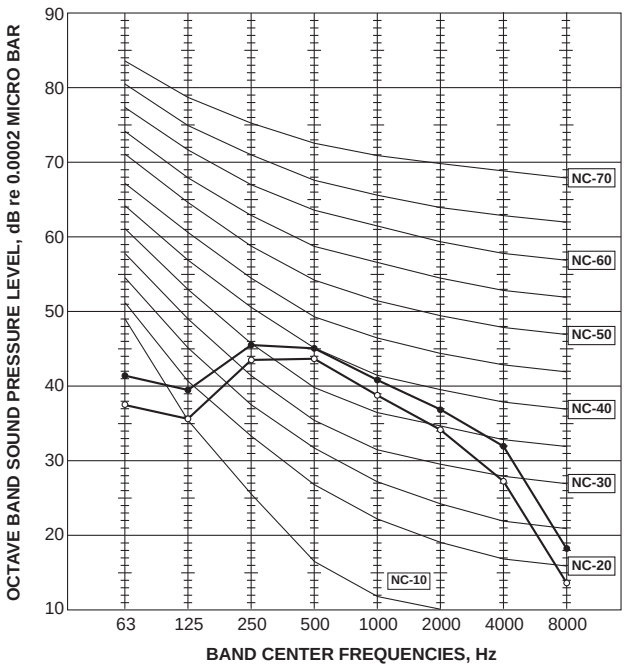
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	43	●—●
	HEATING	43	○—○



MSZ-WN35VA

INDOOR UNIT

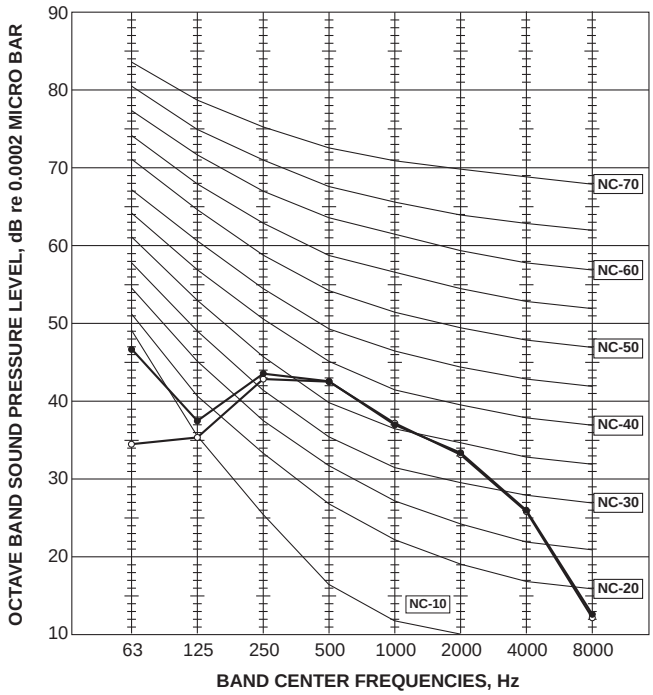
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	46	●—●
	HEATING	44	○—○



MSZ-DM25VA

INDOOR UNIT

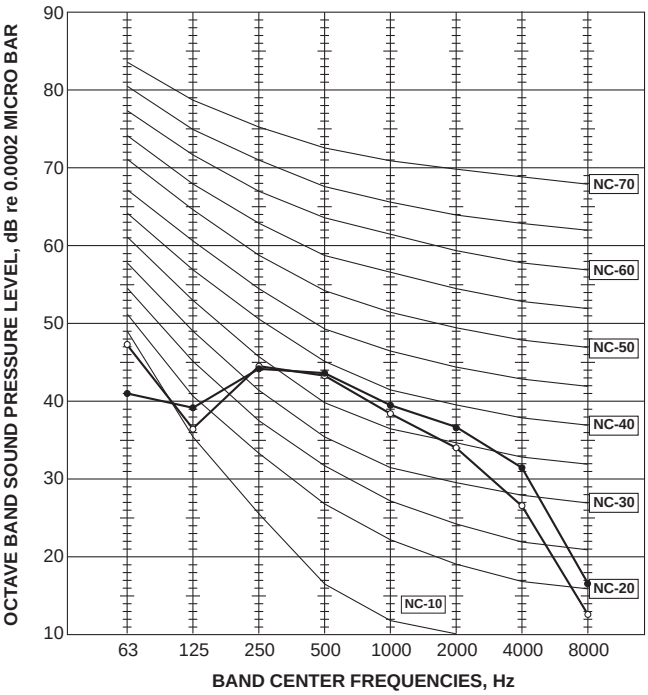
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	43	●—●
	HEATING	43	○—○



MSZ-DM35VA

INDOOR UNIT

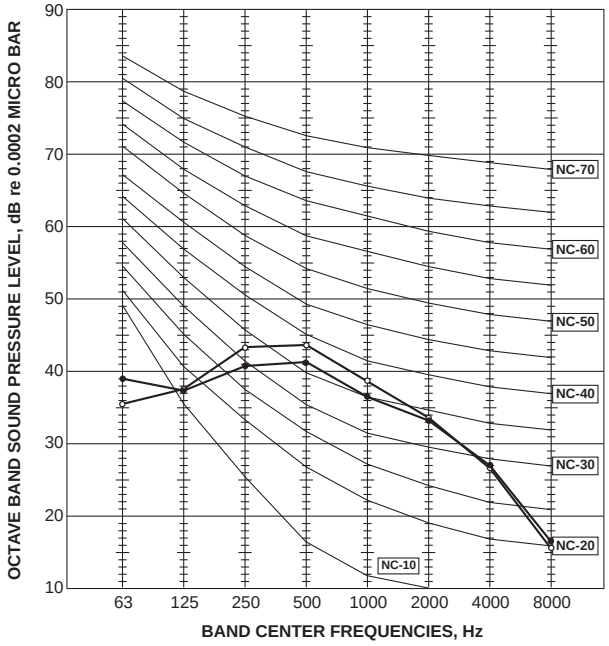
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	45	●—●
	HEATING	44	○—○



MSZ-HJ25VA

INDOOR UNIT

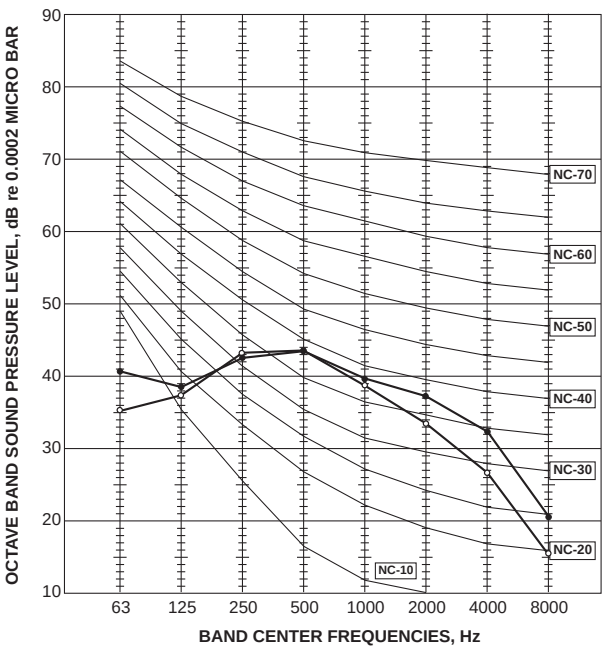
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	43	●—●
	HEATING	43	○—○



MSZ-HJ35VA

INDOOR UNIT

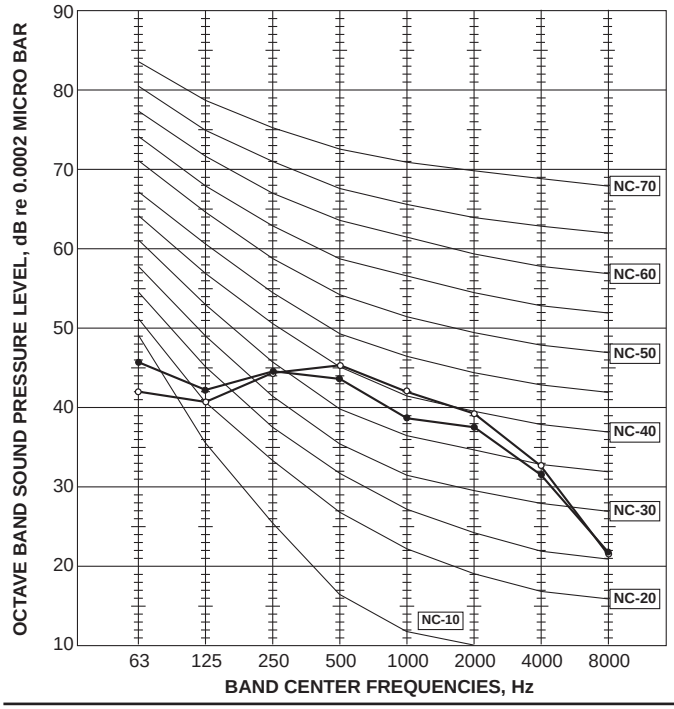
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	45	●—●
	HEATING	44	○—○



MSZ-HJ50VA

INDOOR UNIT

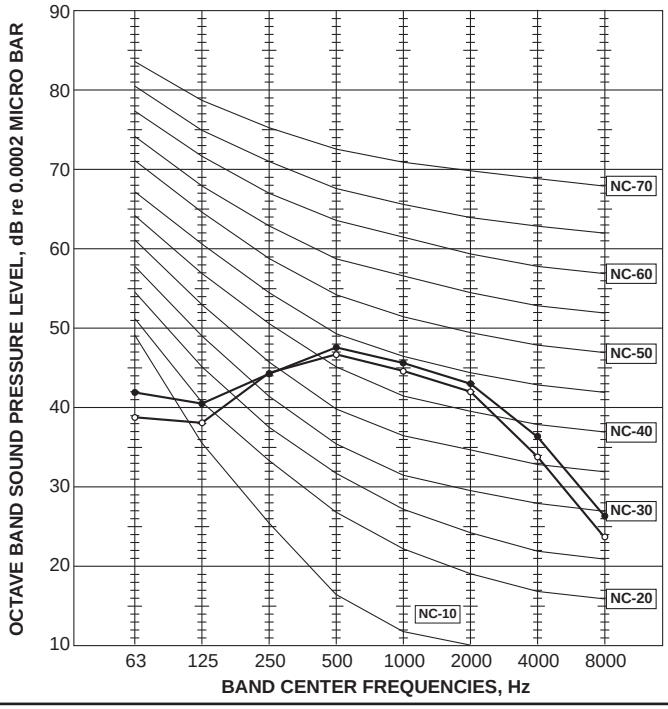
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	45	●—●
	HEATING	47	○—○



MSZ-HJ60VA

INDOOR UNIT

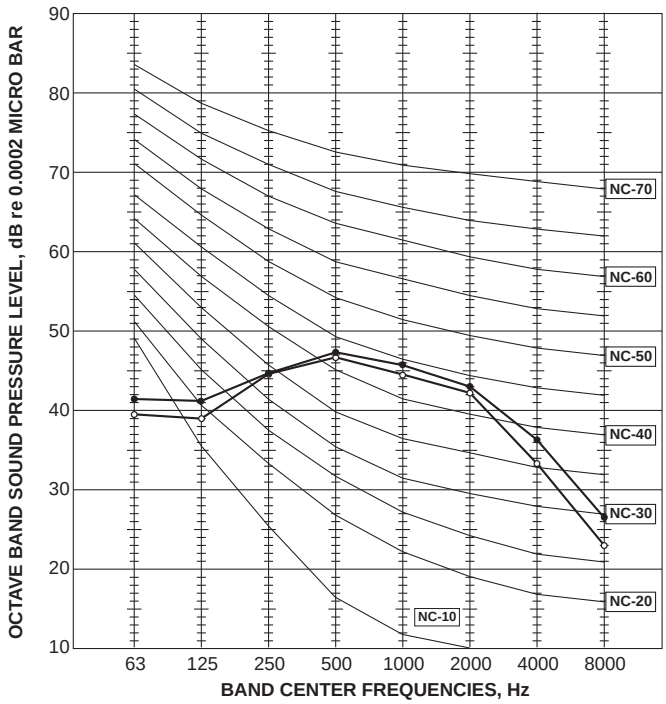
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	50	●—●
	HEATING	49	○—○



MSZ-HJ71VA

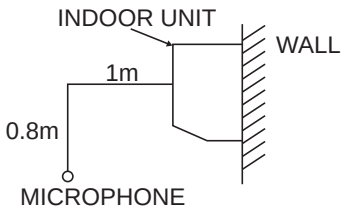
INDOOR UNIT

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	50	●——●
	HEATING	49	○——○



Test conditions

Cooling: Dry-bulb temperature 27 °C Wet-bulb temperature 19 °C
Heating: Dry-bulb temperature 20 °C (MSZ)

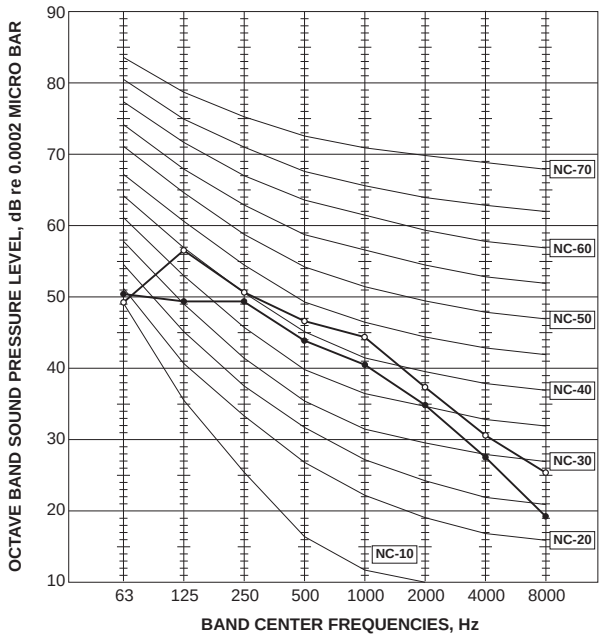


C.1.7.2 Outdoor Unit

MUZ-LN25VG2

OUTDOOR UNIT

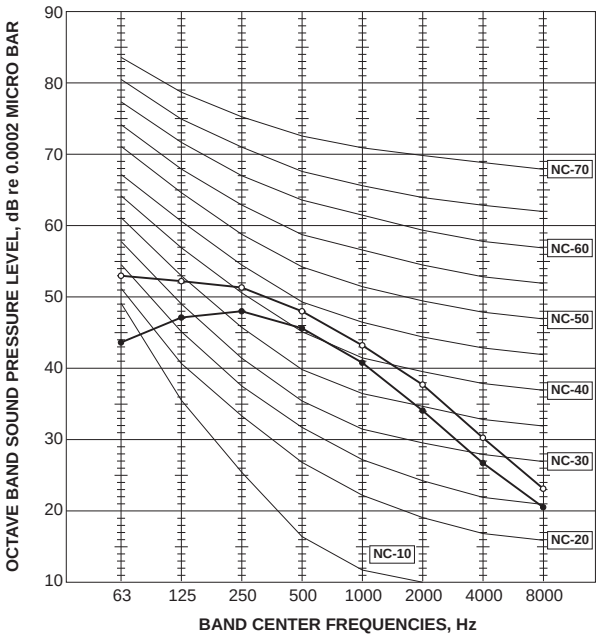
FUNCTION	SPL(dB(A))	LINE
COOLING	46	●—●
HEATING	49	○—○



MUZ-LN25VGHZ2

OUTDOOR UNIT

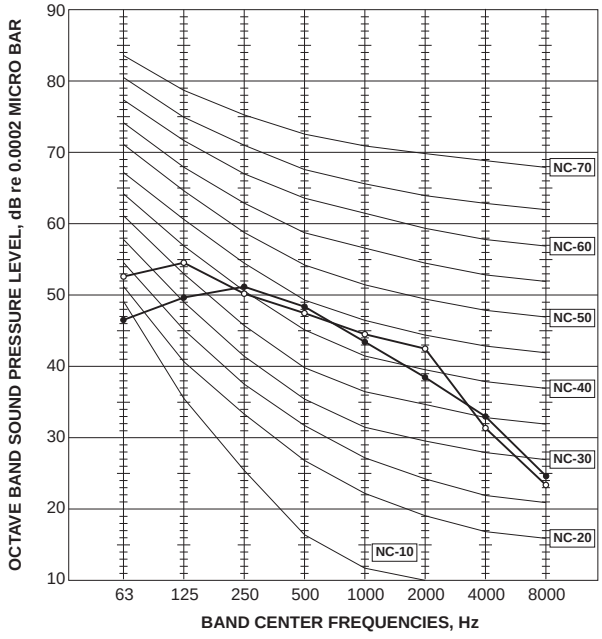
FUNCTION	SPL(dB(A))	LINE
COOLING	46	●—●
HEATING	49	○—○



MUZ-LN35VG2

OUTDOOR UNIT

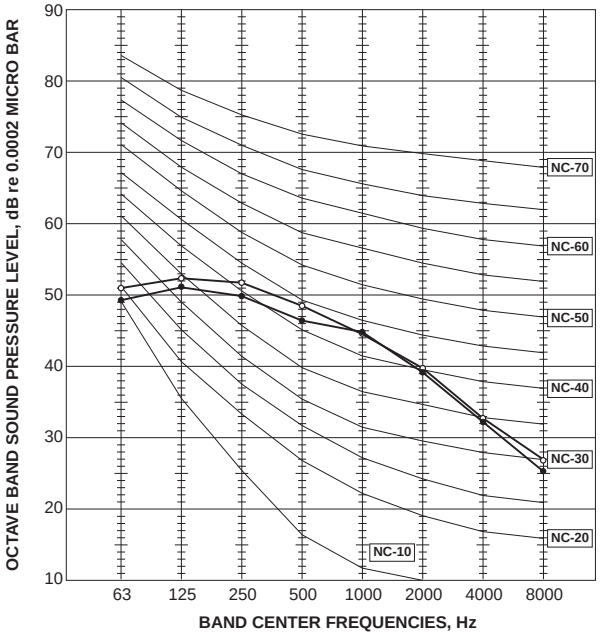
FUNCTION	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	50	○—○



MUZ-LN35VGHZ2

OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	50	○—○

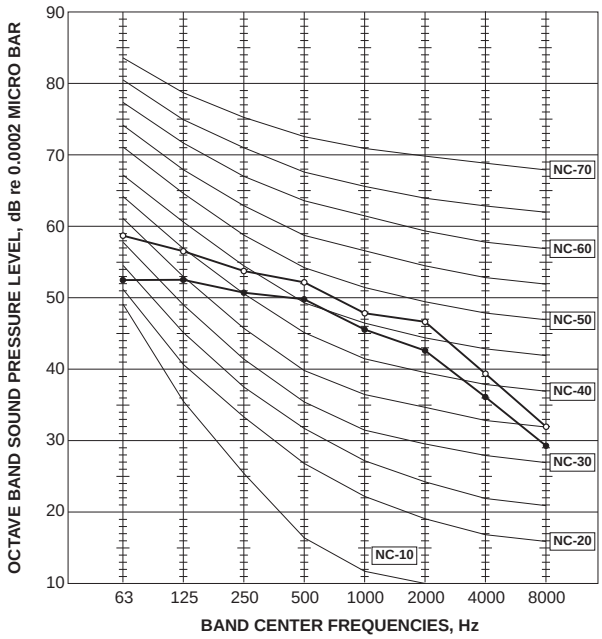


<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

MUZ-LN50VG2

OUTDOOR UNIT

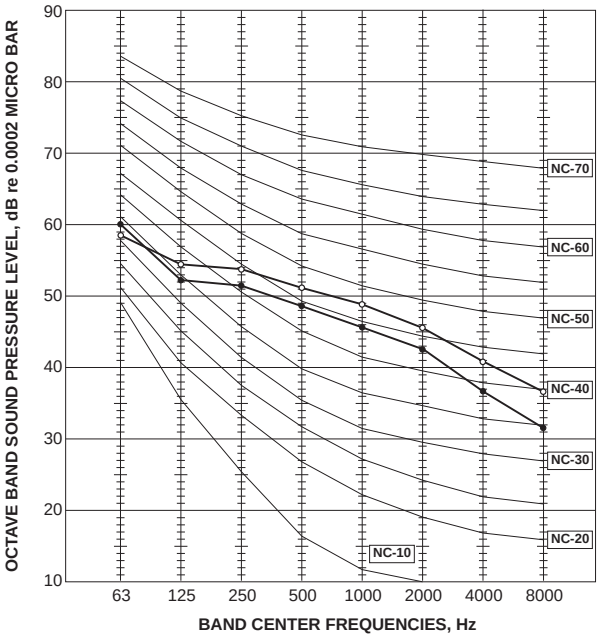
FUNCTION	SPL(dB(A))	LINE
COOLING	51	●—●
HEATING	54	○—○



MUZ-LN50VGHZ

OUTDOOR UNIT

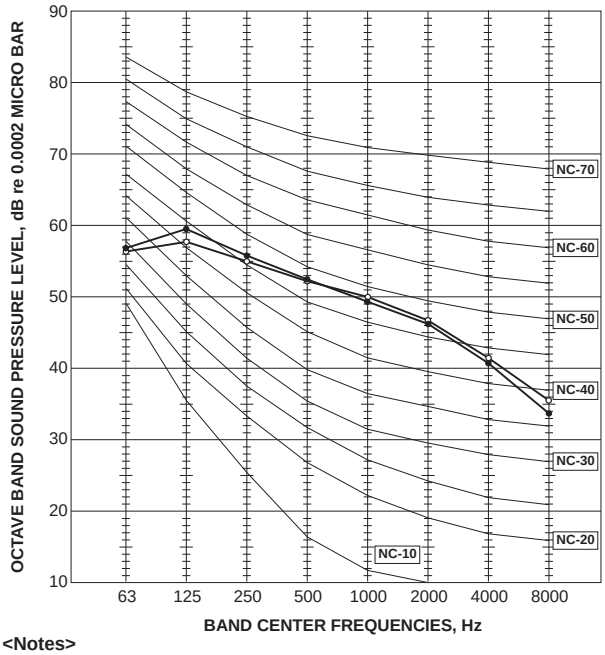
FUNCTION	SPL(dB(A))	LINE
COOLING	51	●—●
HEATING	54	○—○



MUZ-LN60VG

OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	55	●—●
HEATING	55	○—○

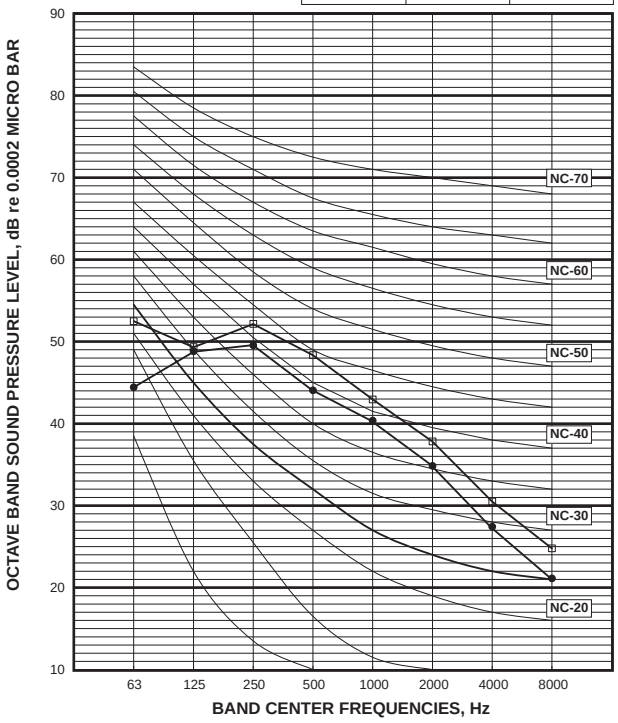


<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

MUZ-FT25VGHZ

OUTDOOR UNIT

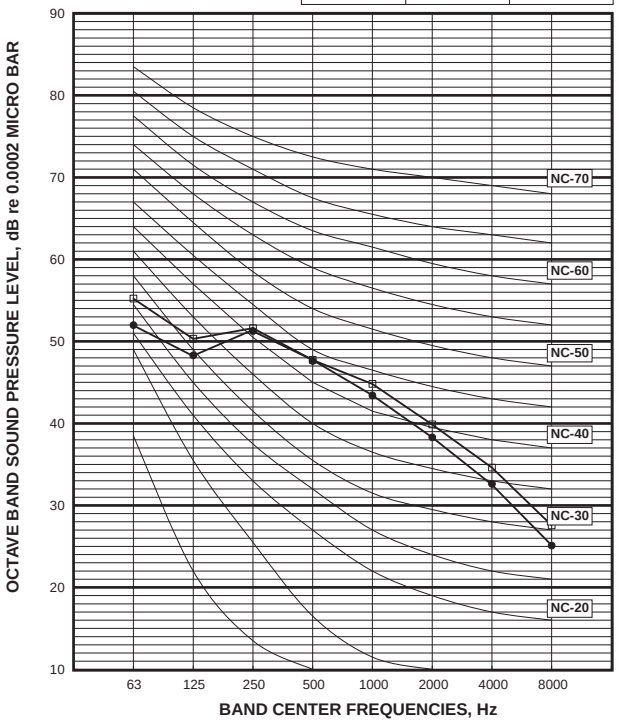
FUNCTION	SPL(dB(A))	LINE
COOLING	46	●—●
HEATING	49	□—□



MUZ-FT35VGHZ

OUTDOOR UNIT

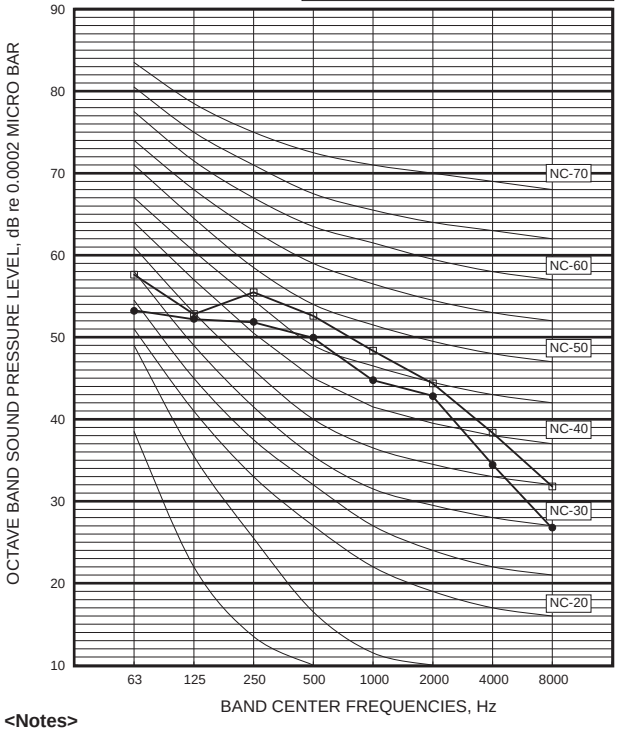
FUNCTION	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	50	□—□



MUZ-FT50VGHZ

OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	51	●—●
HEATING	54	□—□

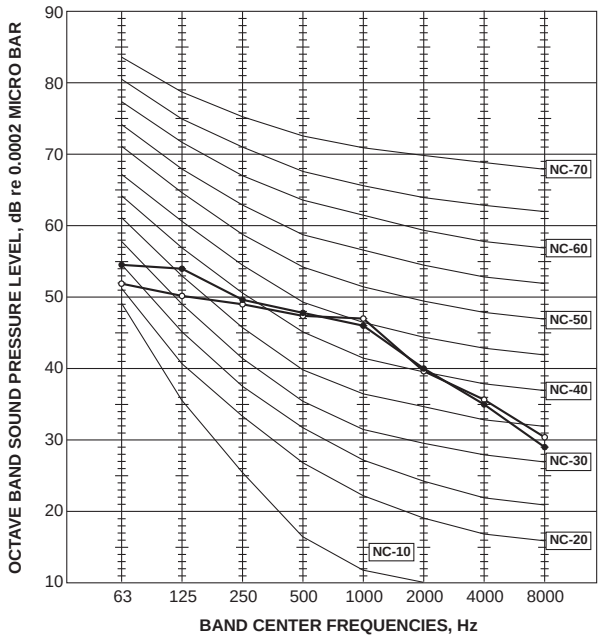


<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

MUZ-AP15VG

OUTDOOR UNIT

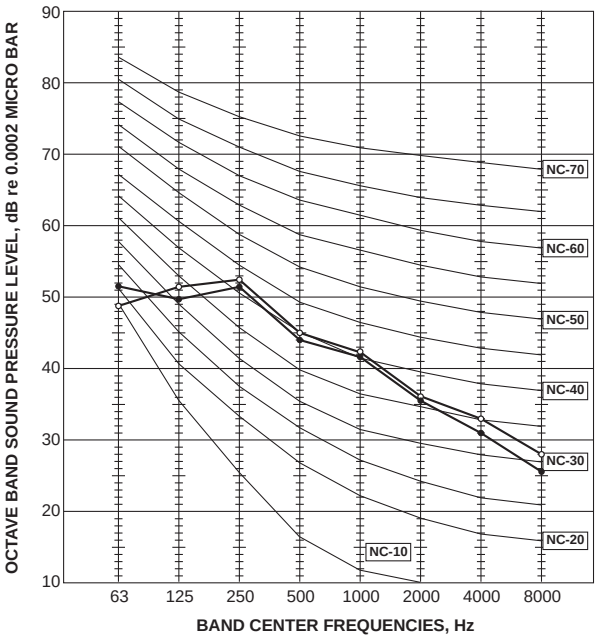
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	50	●—●
	HEATING	50	○—○



MUZ-AP20VG

OUTDOOR UNIT

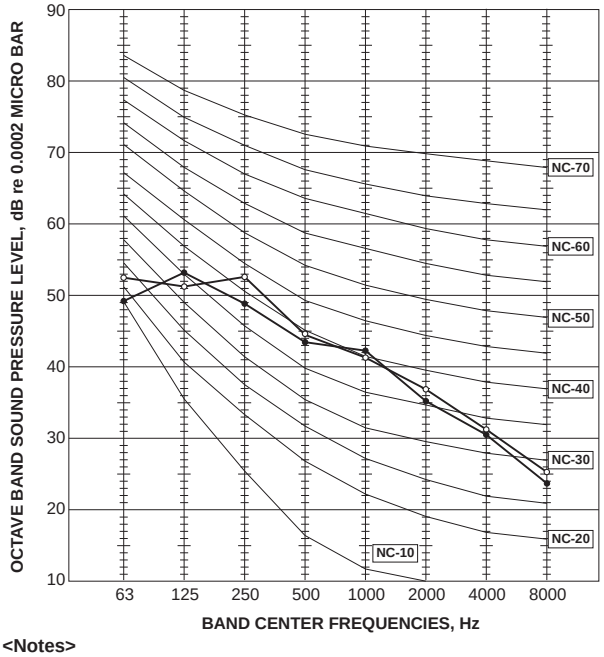
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	47	●—●
	HEATING	48	○—○



MUZ-AP25VG
MUZ-AP25VGH

OUTDOOR UNIT

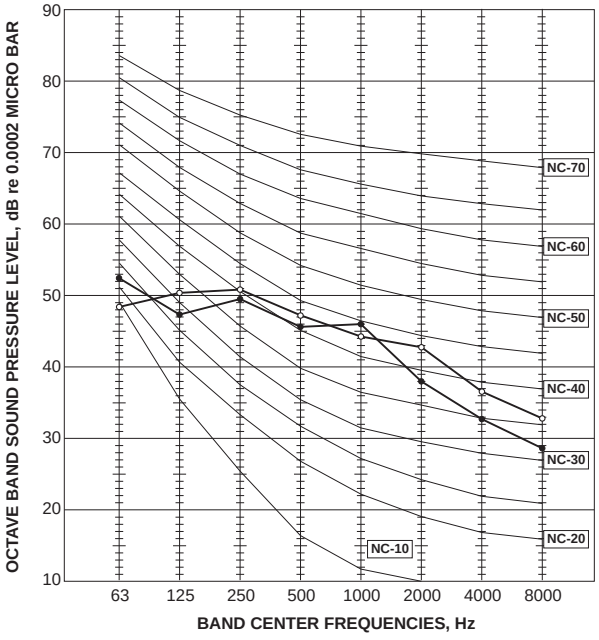
FUNCTION	SPL(dB(A))	LINE
COOLING	47	●—●
HEATING	48	○—○



MUZ-AP35VG
MUZ-AP35VGH

OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	50	○—○

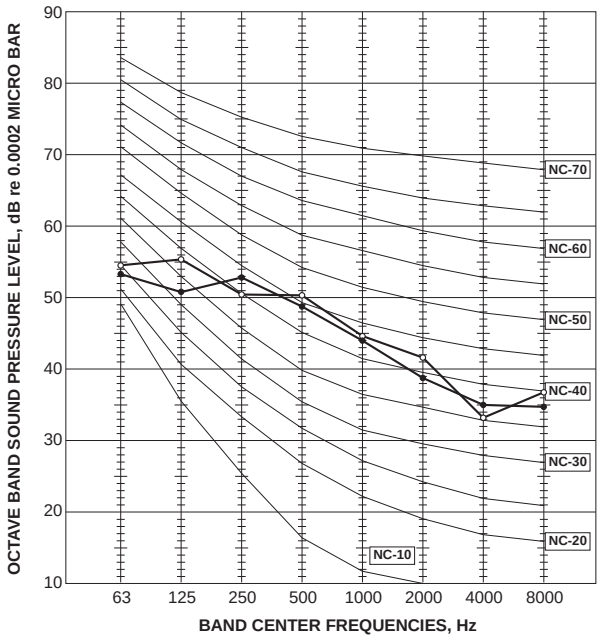


<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

MUZ-AP42VG
MUZ-AP42VGH

OUTDOOR UNIT

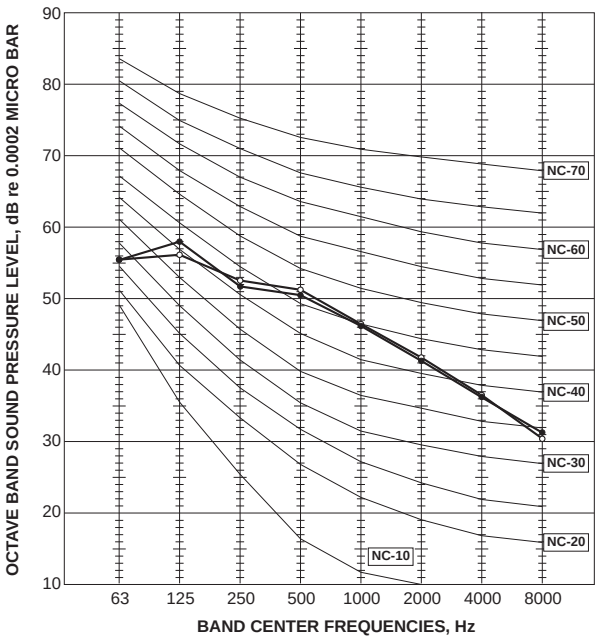
FUNCTION	SPL(dB(A))	LINE
COOLING	50	●—●
HEATING	51	○—○



MUZ-AP50VG
MUZ-AP50VGH

OUTDOOR UNIT

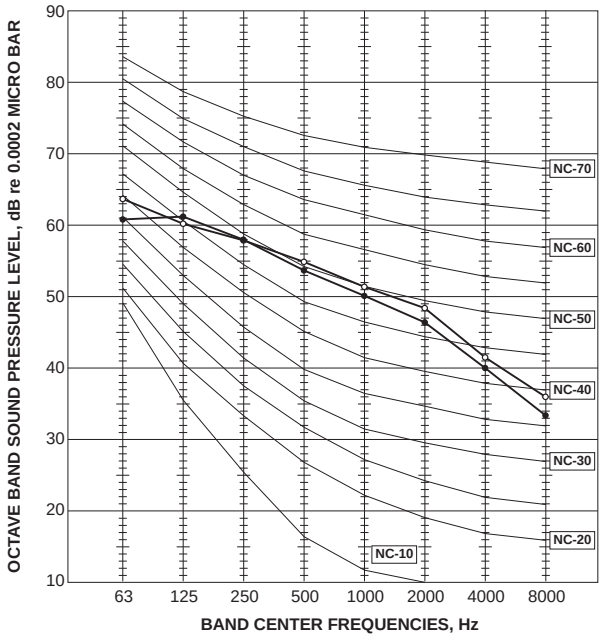
FUNCTION	SPL(dB(A))	LINE
COOLING	52	●—●
HEATING	52	○—○



MUZ-AP60VG

OUTDOOR UNIT

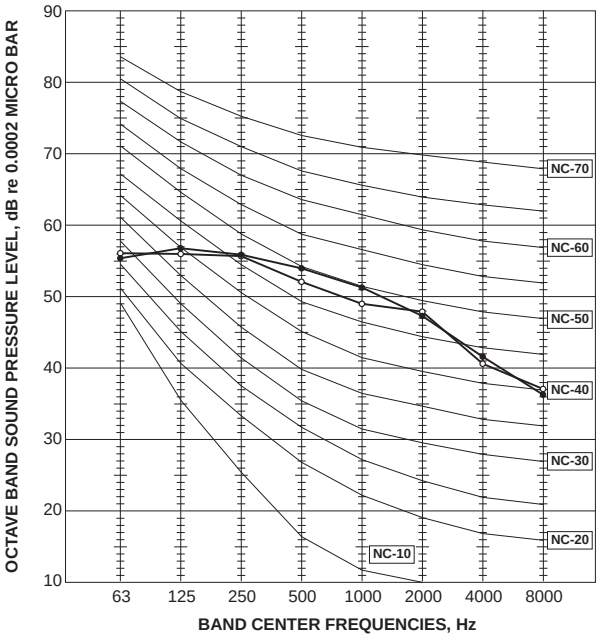
FUNCTION	SPL(dB(A))	LINE
COOLING	56	●—●
HEATING	57	○—○



MUZ-AP71VG

OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	56	●—●
HEATING	55	○—○

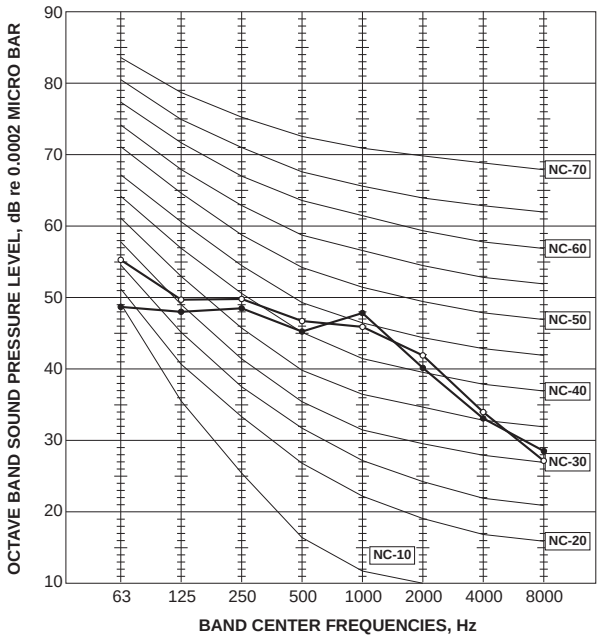


<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

MUZ-HR25VF

OUTDOOR UNIT

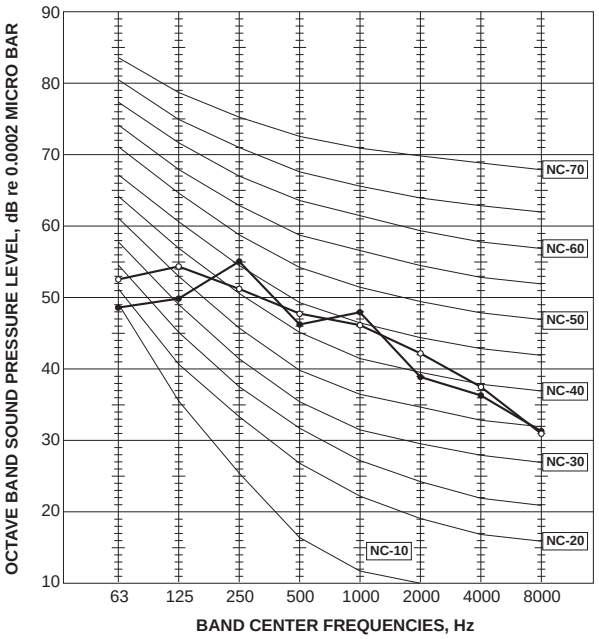
FUNCTION	SPL(dB(A))	LINE
COOLING	50	●—●
HEATING	50	○—○



MUZ-HR35VF

OUTDOOR UNIT

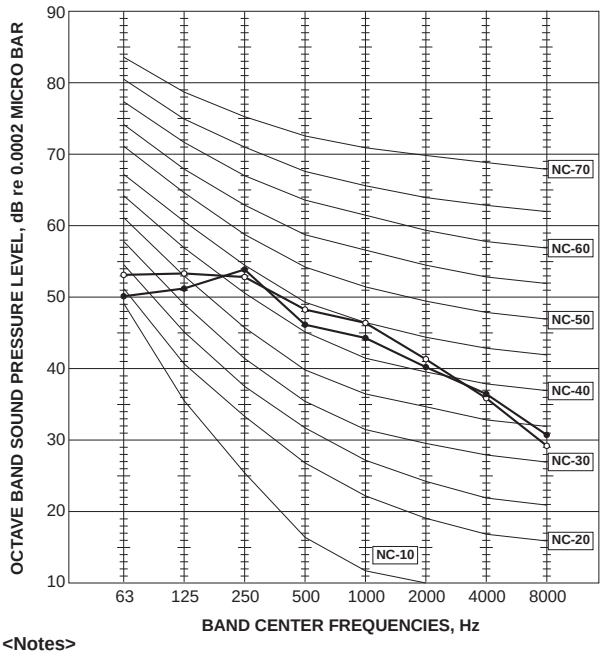
FUNCTION	SPL(dB(A))	LINE
COOLING	51	●—●
HEATING	51	○—○



MUZ-HR42VF

OUTDOOR UNIT

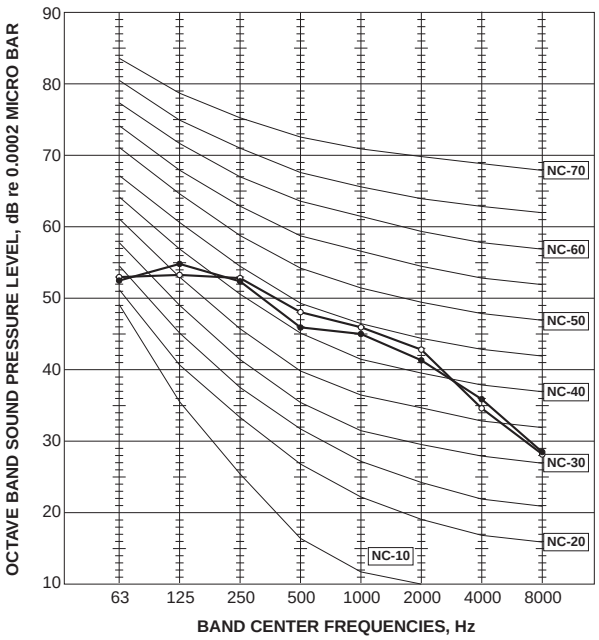
FUNCTION	SPL(dB(A))	LINE
COOLING	50	●—●
HEATING	51	○—○



MUZ-HR50VF

OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	50	●—●
HEATING	51	○—○

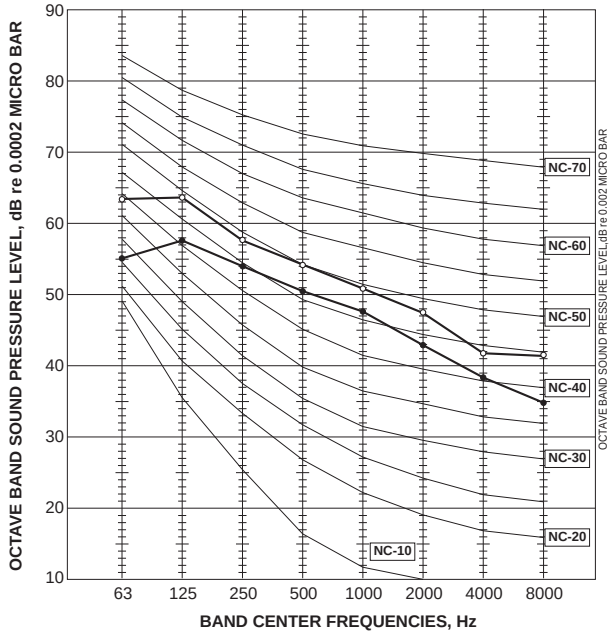


<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

MUZ-HR60VF

OUTDOOR UNIT

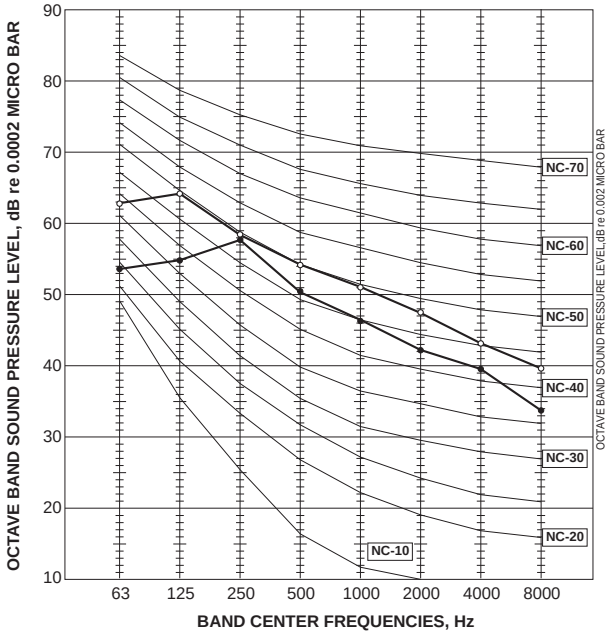
FUNCTION	SPL(dB(A))	LINE
COOLING	53	●——●
HEATING	57	○——○



MUZ-HR71VF

OUTDOOR UNIT

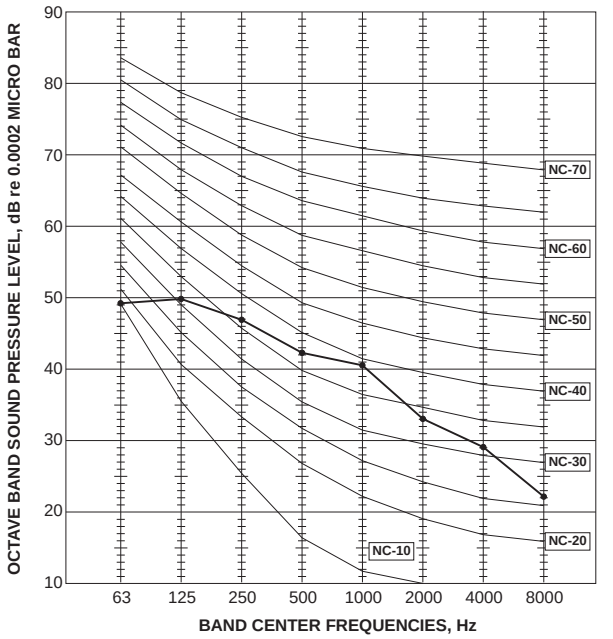
FUNCTION	SPL(dB(A))	LINE
COOLING	53	●——●
HEATING	57	○——○



MUY-TP35VF

OUTDOOR UNIT

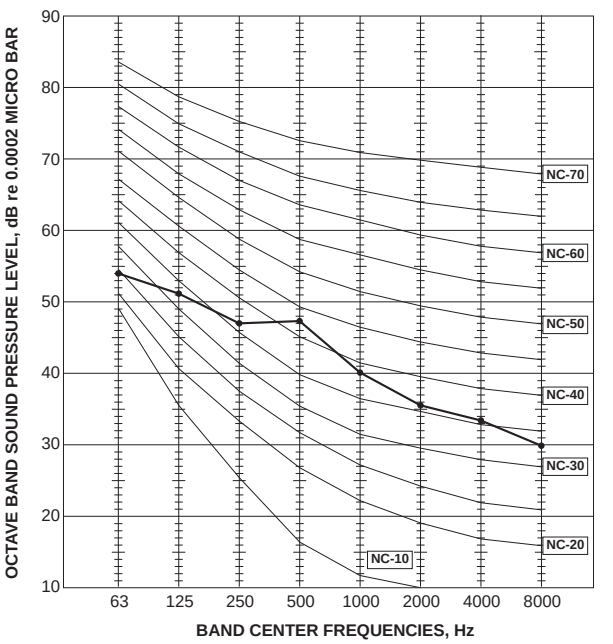
FUNCTION	SPL(dB(A))	LINE
COOLING	45	●——●



MUY-TP50VF

OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	47	●——●

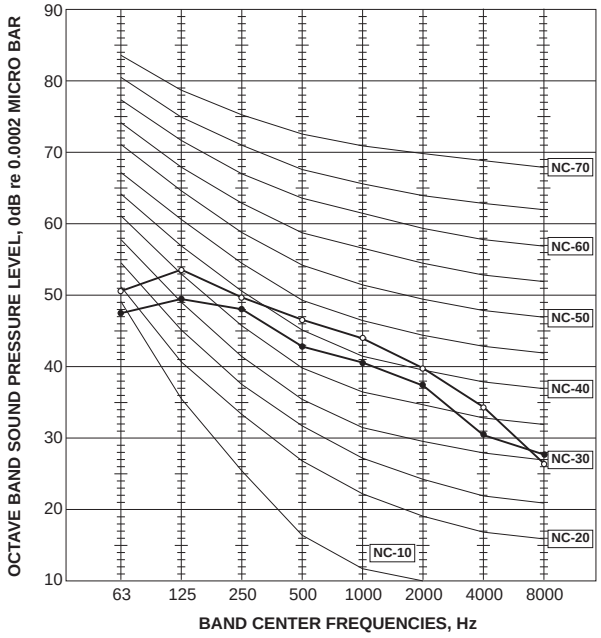


<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

MUZ-FH25VE

OUTDOOR UNIT

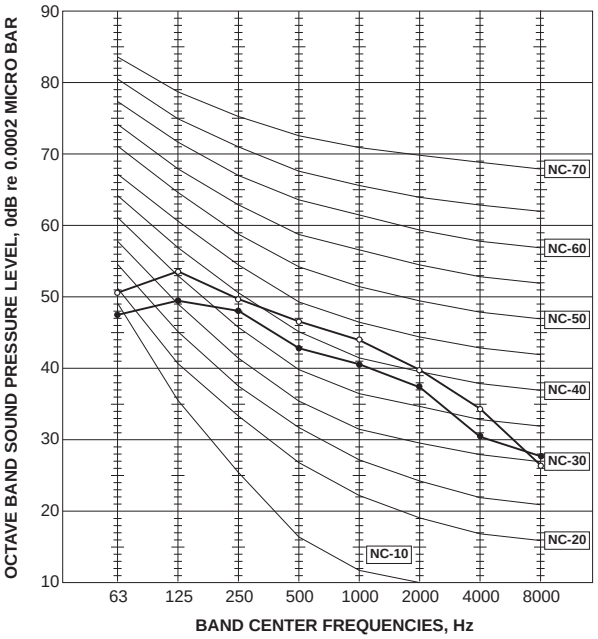
FUNCTION	SPL(dB(A))	LINE
COOLING	46	●—●
HEATING	49	○—○



MUZ-FH25VEHZ

OUTDOOR UNIT

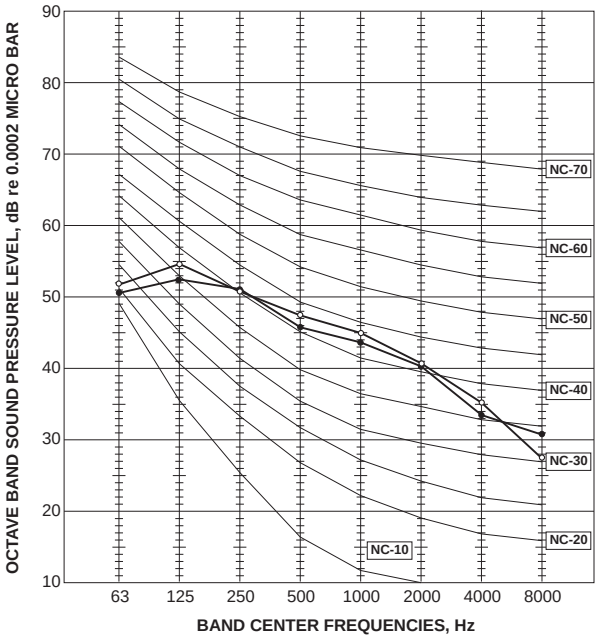
FUNCTION	SPL(dB(A))	LINE
COOLING	46	●—●
HEATING	49	○—○



MUZ-FH35VE

OUTDOOR UNIT

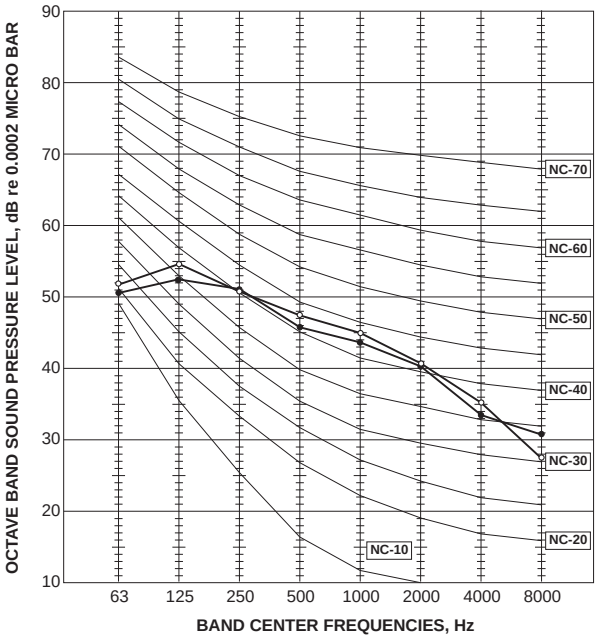
FUNCTION	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	50	○—○



MUZ-FH35VEHZ

OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	50	○—○

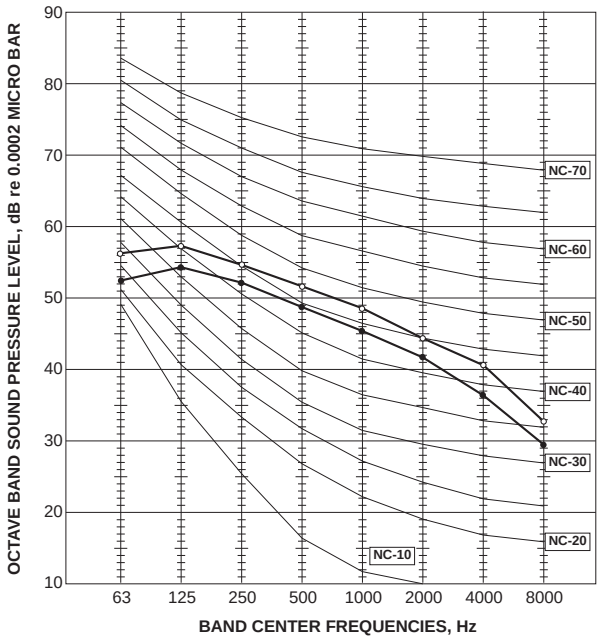


<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

MUZ-FH50VE

OUTDOOR UNIT

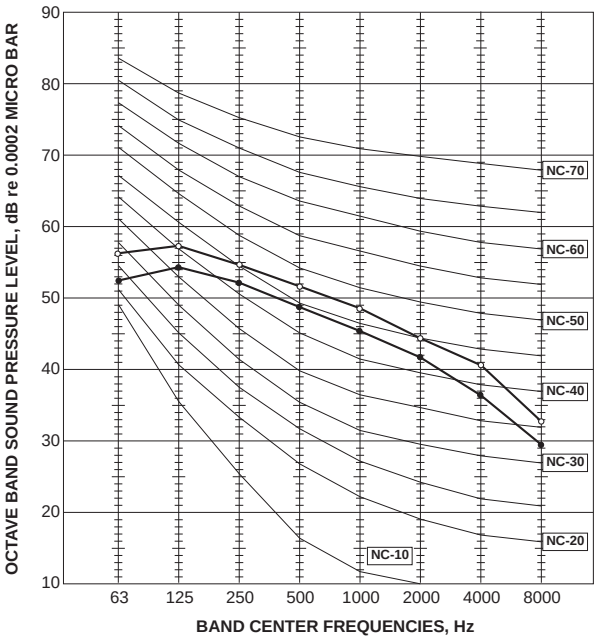
FUNCTION	SPL(dB(A))	LINE
COOLING	51	●——●
HEATING	54	○——○



MUZ-FH50VEHZ

OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	51	●——●
HEATING	54	○——○

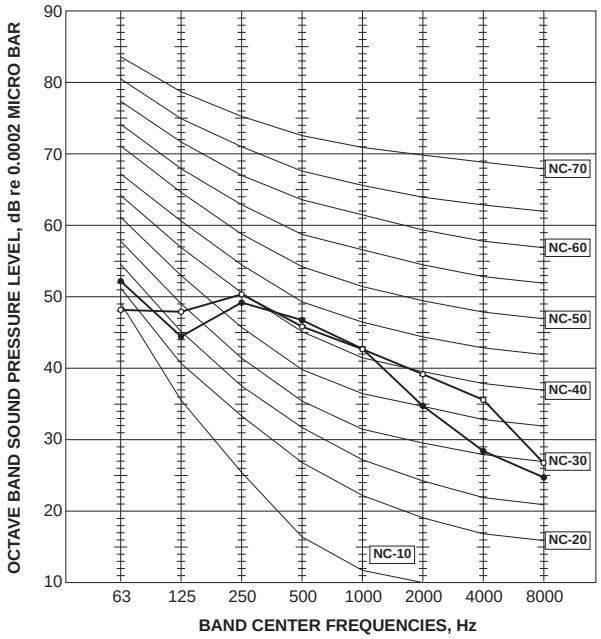


<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

MUZ-EF25VG
MUZ-EF25VGH

OUTDOOR UNIT

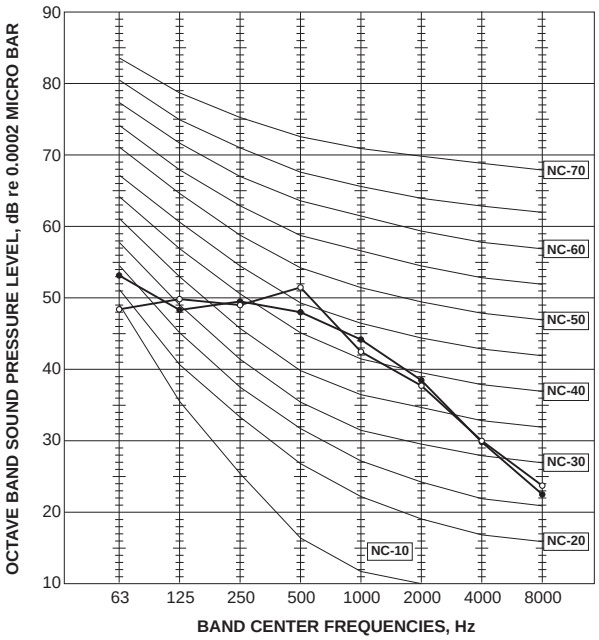
FUNCTION	SPL(dB(A))	LINE
COOLING	47	●—●
HEATING	48	○—○



MUZ-EF35VG
MUZ-EF35VGH

OUTDOOR UNIT

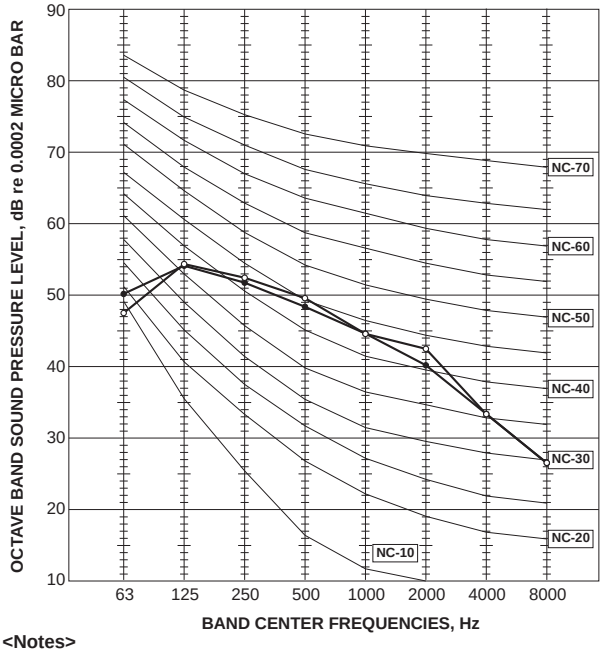
FUNCTION	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	50	○—○



MUZ-EF42VG

OUTDOOR UNIT

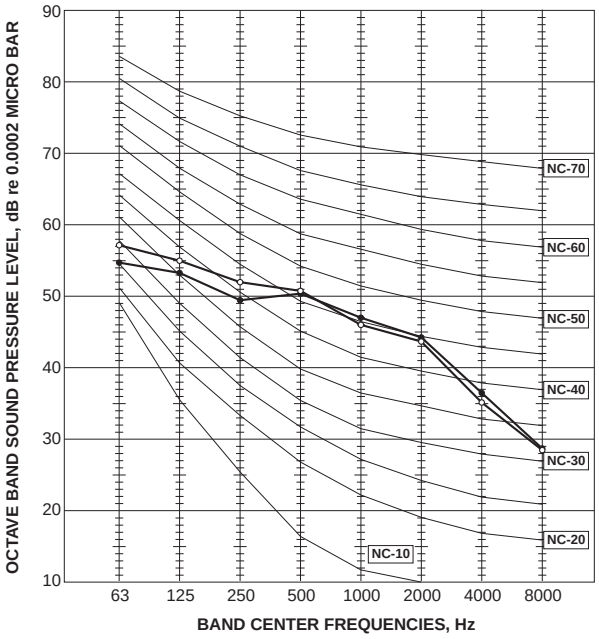
FUNCTION	SPL(dB(A))	LINE
COOLING	50	●—●
HEATING	51	○—○



MUZ-EF50VG

OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	52	●—●
HEATING	52	○—○

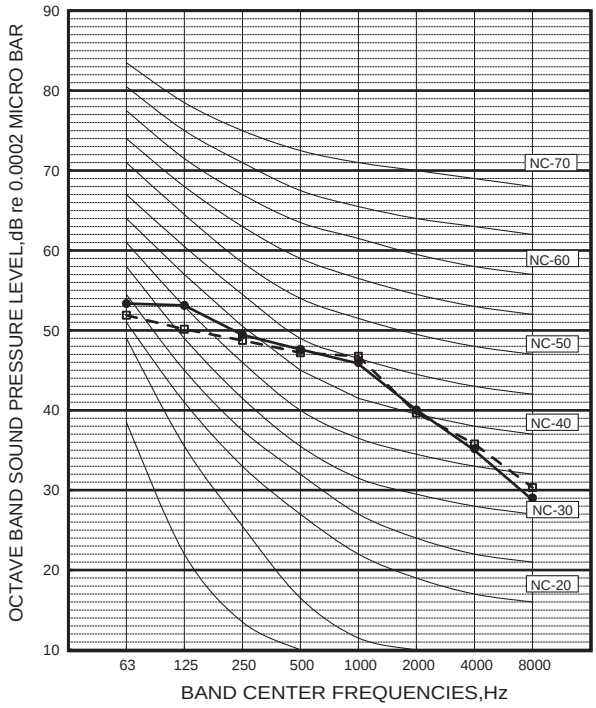


<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

MUZ-BT20VG

OUTDOOR UNIT

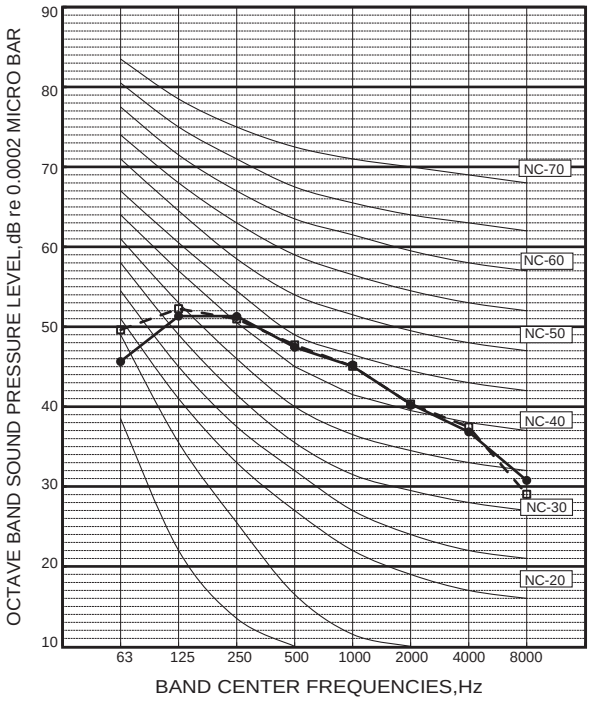
FUNCTION	SPL(dB(A))	LINE
COOLING	50	●—●
HEATING	50	□– –□



MUZ-BT25VG

OUTDOOR UNIT

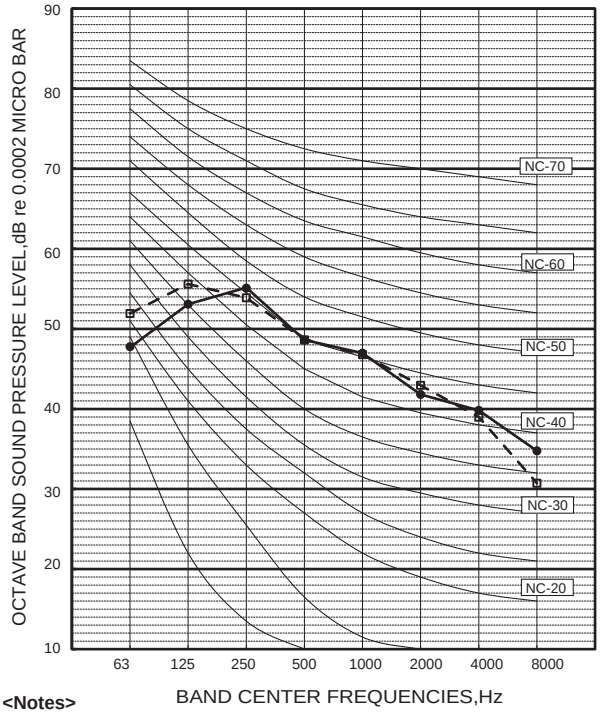
FUNCTION	SPL(dB(A))	LINE
COOLING	50	●—●
HEATING	50	□– –□



MUZ-BT35VG

OUTDOOR UNIT

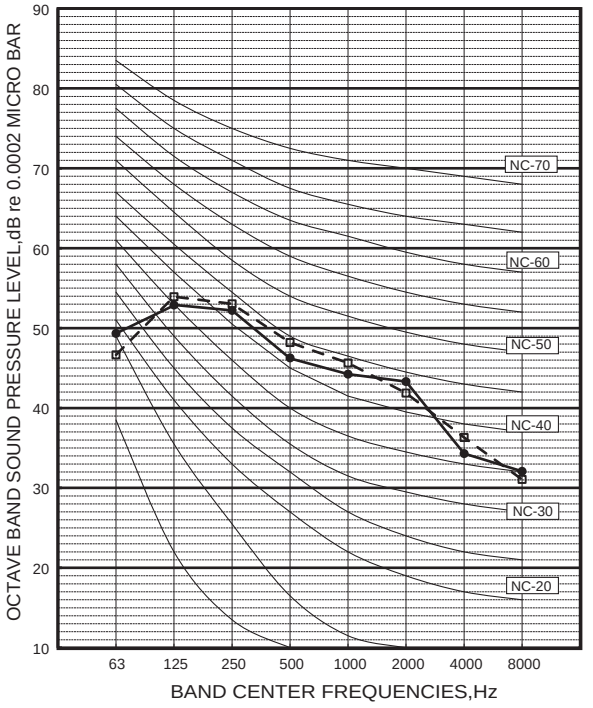
FUNCTION	SPL(dB(A))	LINE
COOLING	52	●—●
HEATING	52	□– –□



MUZ-BT50VG

OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	50	●—●
HEATING	51	□– –□



<Notes>

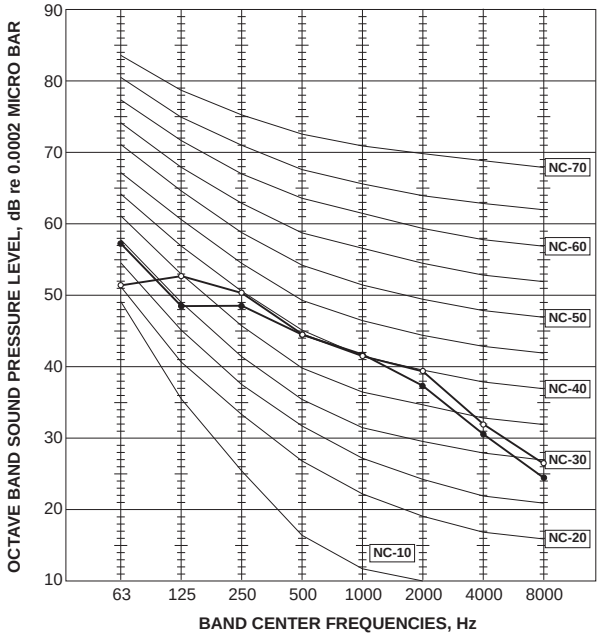
1) Sound data is taken when the system is running stably.

2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

MUZ-SF25VE
MUZ-SF25VEH

OUTDOOR UNIT

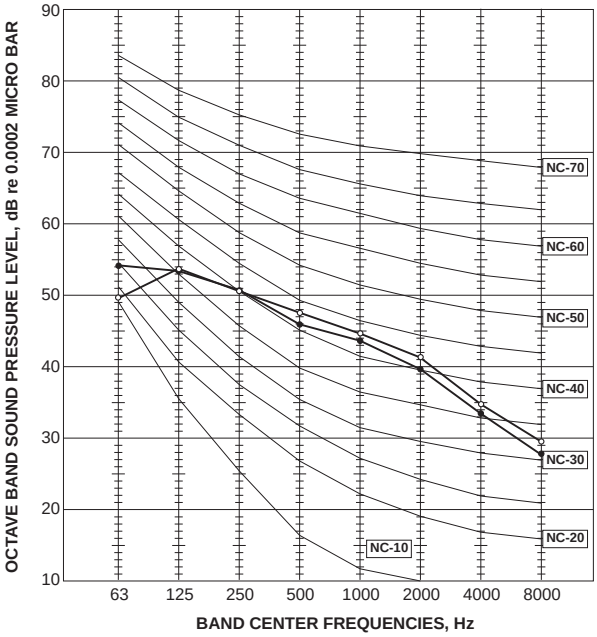
FUNCTION	SPL(dB(A))	LINE
COOLING	47	●—●
HEATING	48	○—○



MUZ-SF35VE
MUZ-SF35VEH

OUTDOOR UNIT

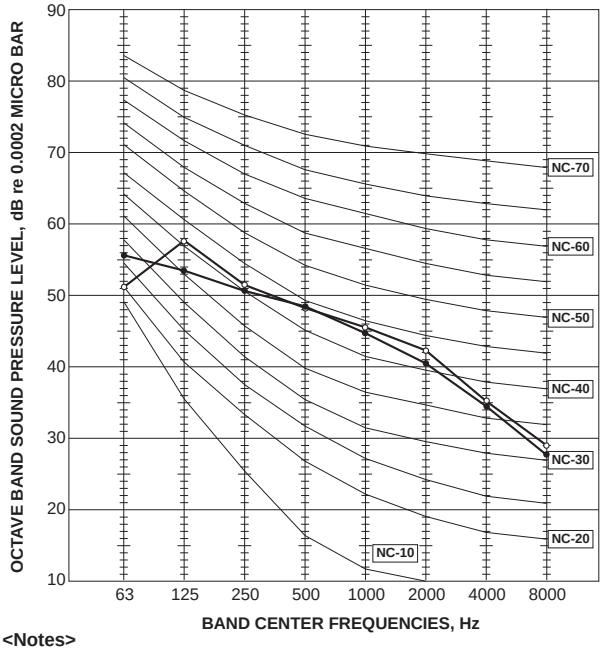
FUNCTION	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	50	○—○



MUZ-SF42VE
MUZ-SF42VEH

OUTDOOR UNIT

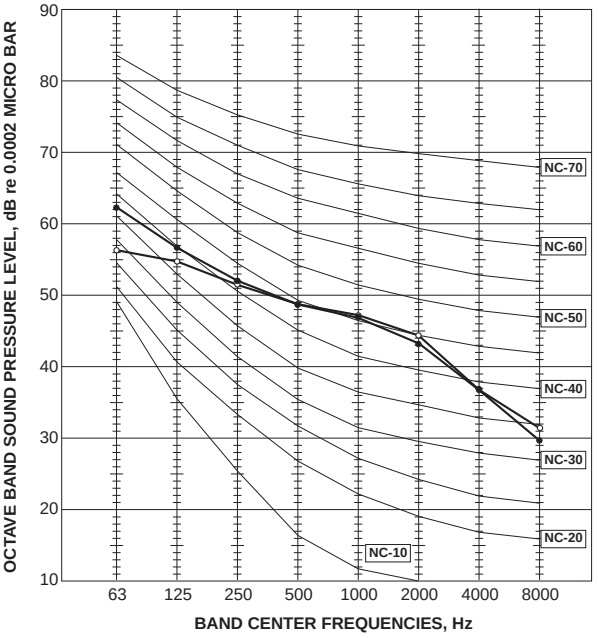
FUNCTION	SPL(dB(A))	LINE
COOLING	50	●—●
HEATING	51	○—○



MUZ-SF50VE
MUZ-SF50VEH

OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	52	●—●
HEATING	52	○—○

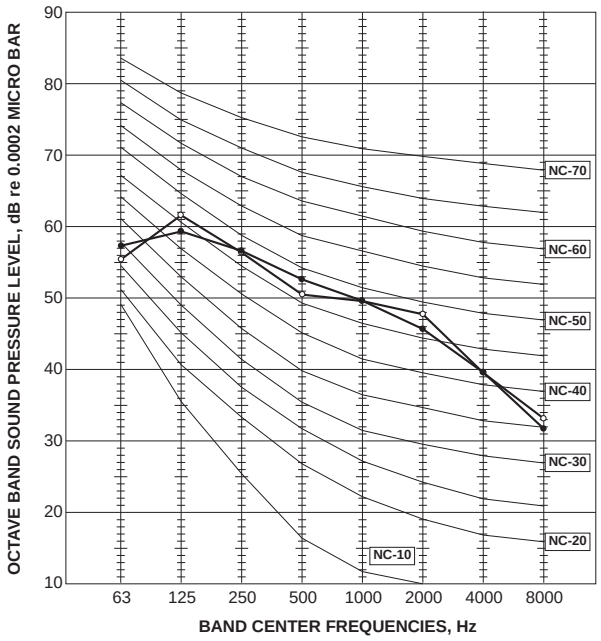


<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

MUZ-GF60VE

OUTDOOR UNIT

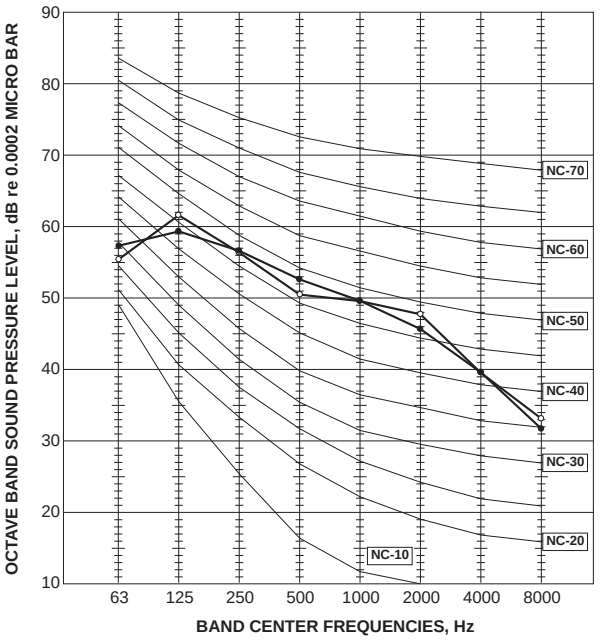
FUNCTION	SPL(dB(A))	LINE
COOLING	55	●—●
HEATING	55	○—○



MUZ-GF71VE

OUTDOOR UNIT

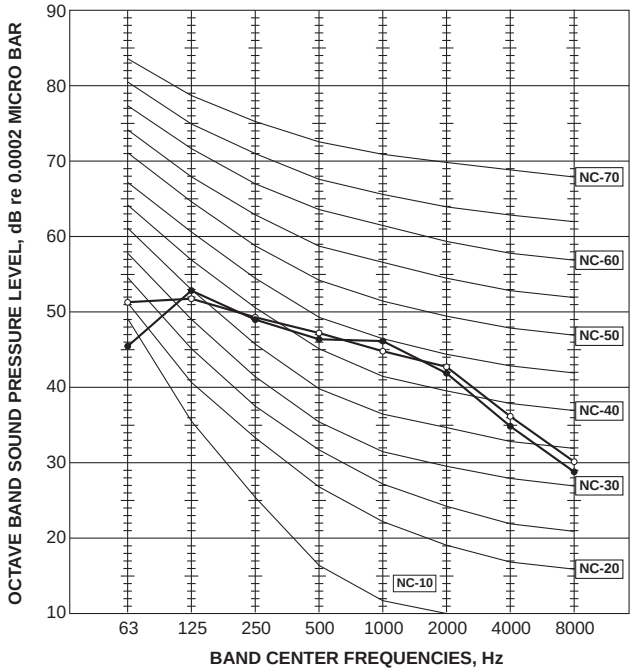
FUNCTION	SPL(dB(A))	LINE
COOLING	55	●—●
HEATING	55	○—○



MUZ-WN25VA

OUTDOOR UNIT

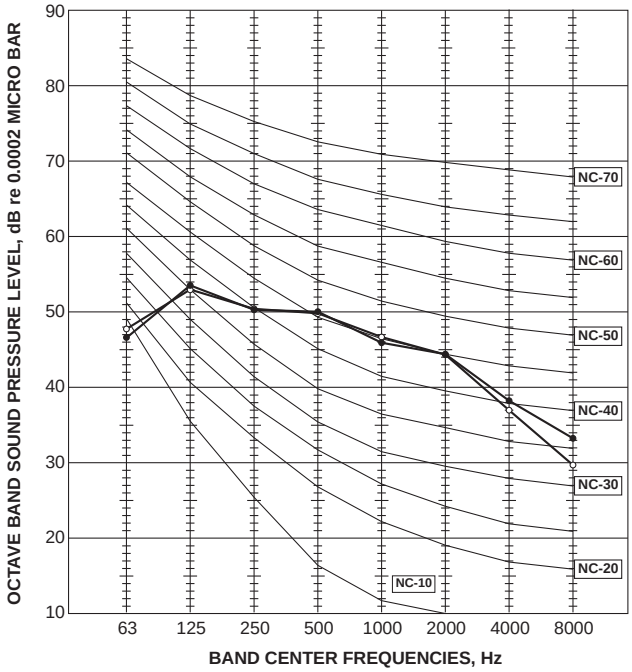
FUNCTION	SPL(dB(A))	LINE
COOLING	50	●—●
HEATING	50	○—○



MUZ-WN35VA

OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	52	●—●
HEATING	52	○—○

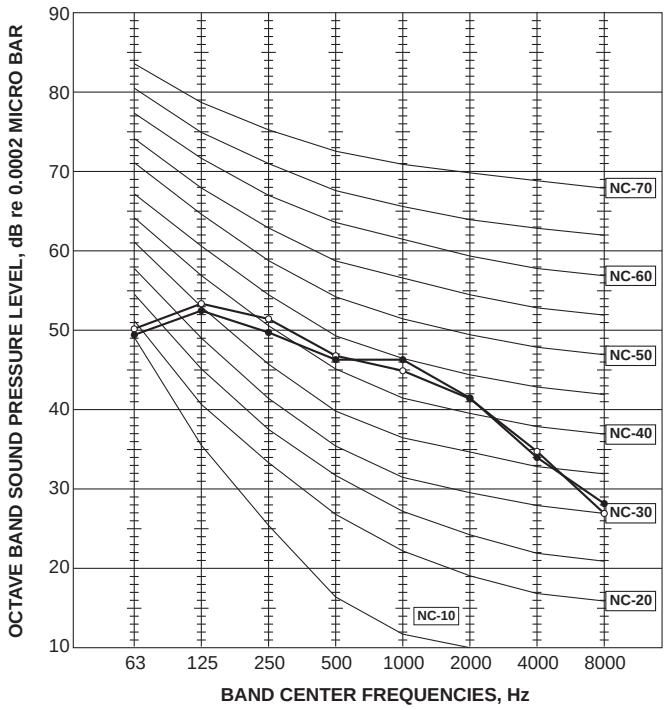


<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

MUZ-DM25VA

OUTDOOR UNIT

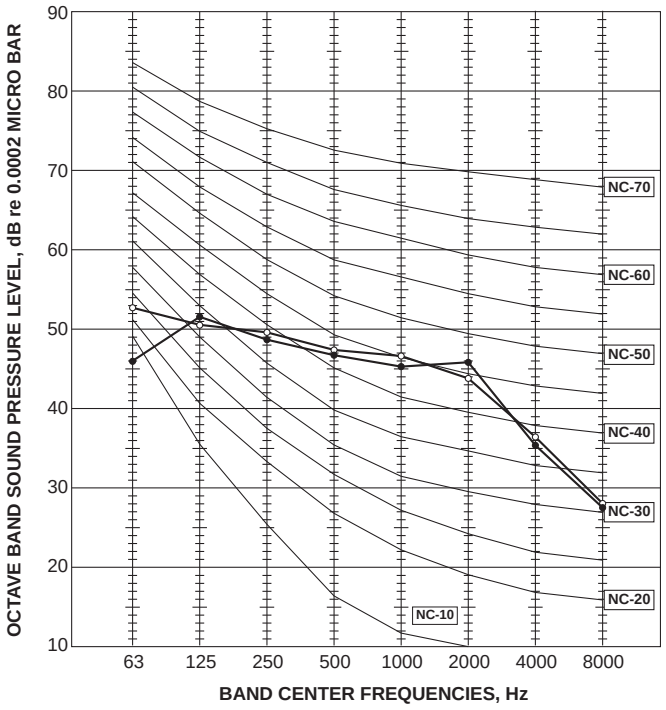
FUNCTION	SPL(dB(A))	LINE
COOLING	50	●——●
HEATING	50	○——○



MUZ-DM35VA

OUTDOOR UNIT

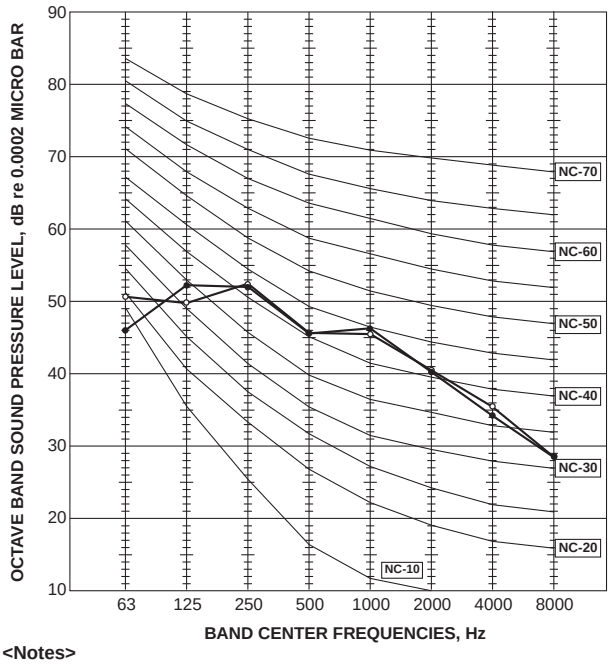
FUNCTION	SPL(dB(A))	LINE
COOLING	51	●——●
HEATING	51	○——○



MUZ-HJ25VA

OUTDOOR UNIT

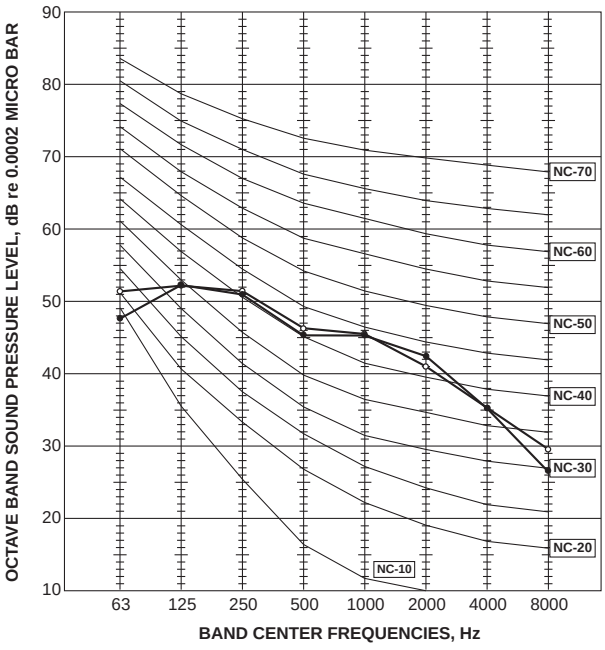
FUNCTION	SPL(dB(A))	LINE
COOLING	50	●——●
HEATING	50	○——○



MUZ-HJ35VA

OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	50	●——●
HEATING	50	○——○

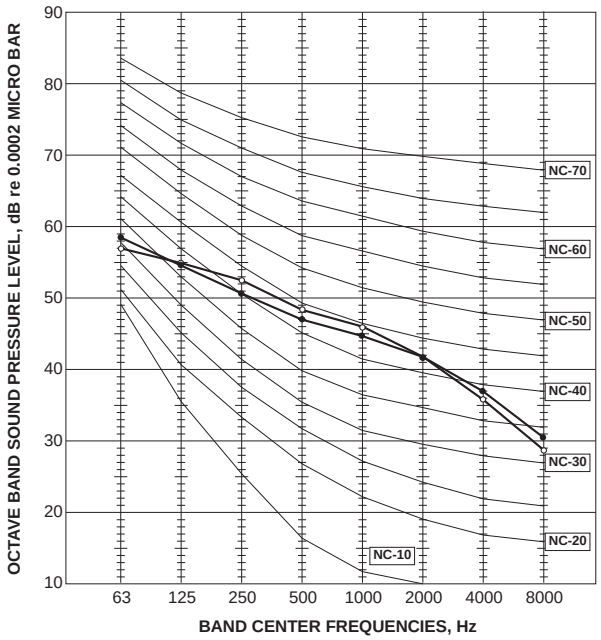


<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

MUZ-HJ50VE

OUTDOOR UNIT

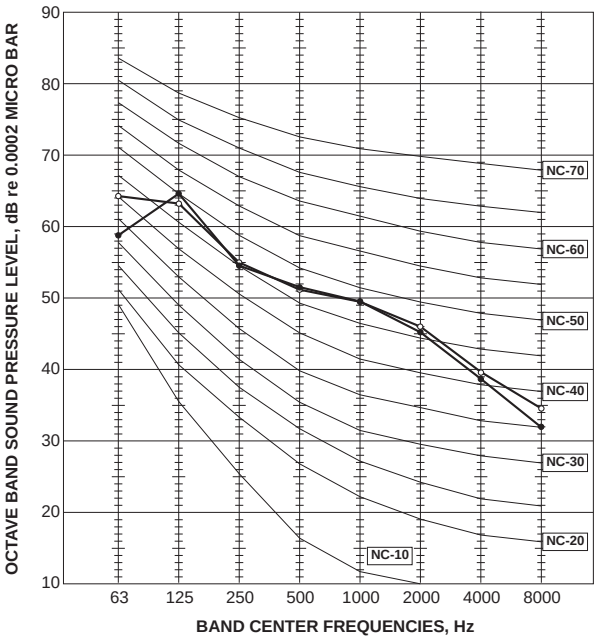
FUNCTION	SPL(dB(A))	LINE
COOLING	50	●——●
HEATING	51	○——○



MUZ-HJ60VA

OUTDOOR UNIT

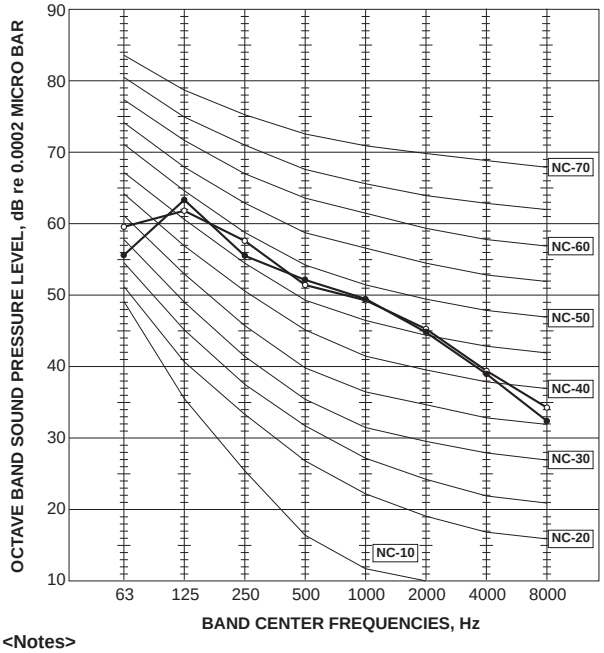
FUNCTION	SPL(dB(A))	LINE
COOLING	55	●——●
HEATING	55	○——○



MUZ-HJ71VA

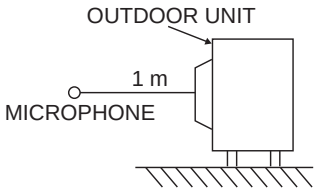
OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	55	●——●
HEATING	55	○——○



Test conditions

Cooling: Dry-bulb temperature 35°C Wet-bulb temperature 24°C
Heating: Dry-bulb temperature 7°C Wet-bulb temperature 6°C (MUZ)



<Notes>

1) Sound data is taken when the system is running stably.

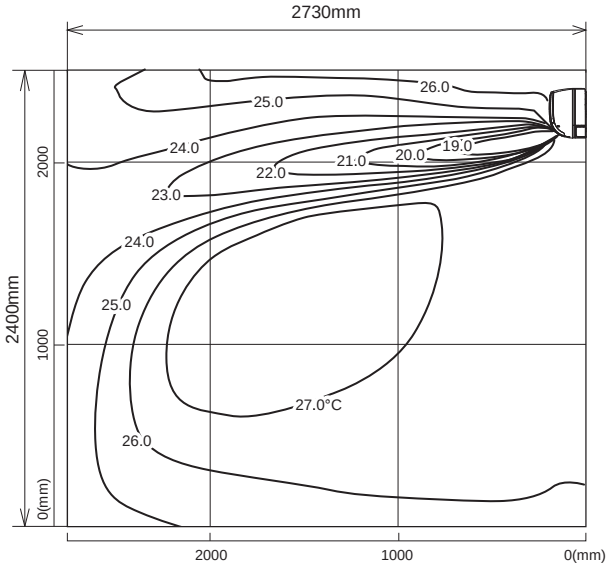
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

C.1.8 TEMPERATURE AND AIR FLOW DISTRIBUTIONS

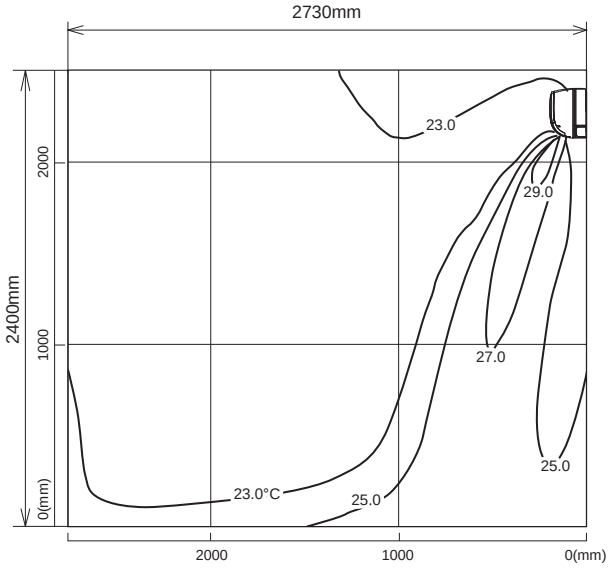
MSZ-LN18VG2W MSZ-LN18VG2V MSZ-LN18VG2B MSZ-LN18VG2R

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

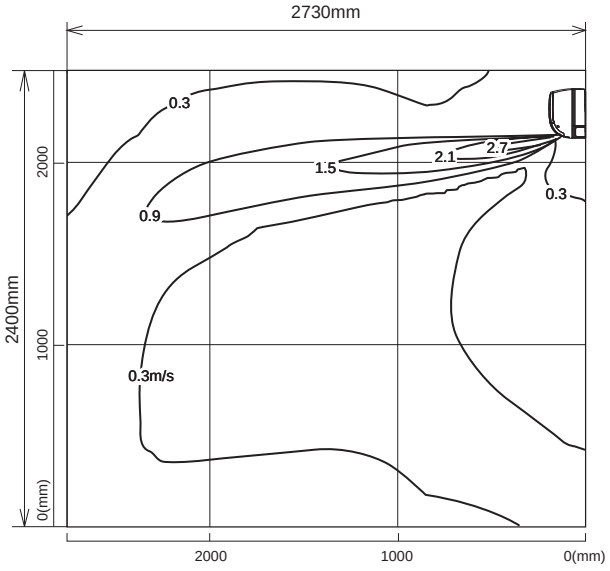


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

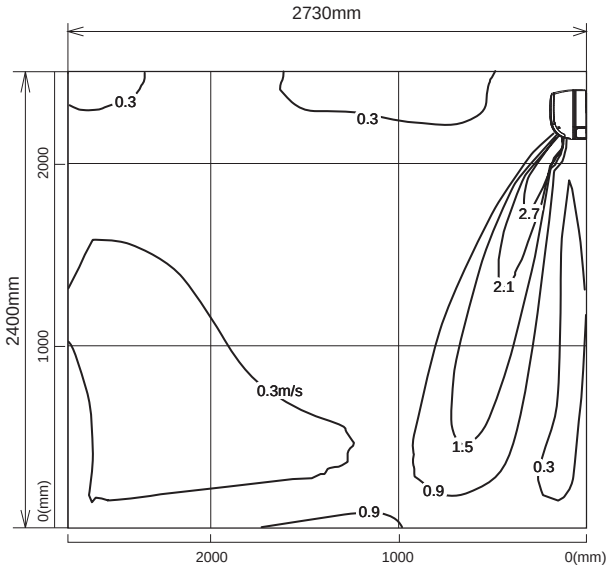


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

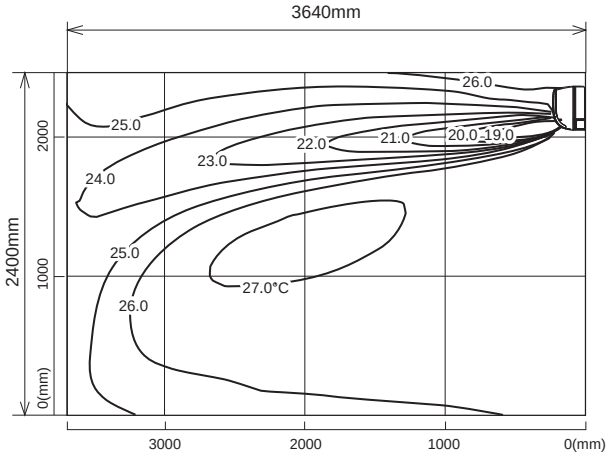


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

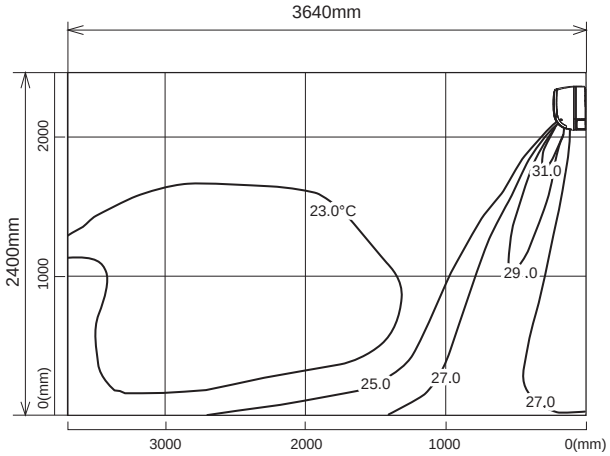
MSZ-LN25VG2W MSZ-LN25VG2V MSZ-LN25VG2B MSZ-LN25VG2R

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

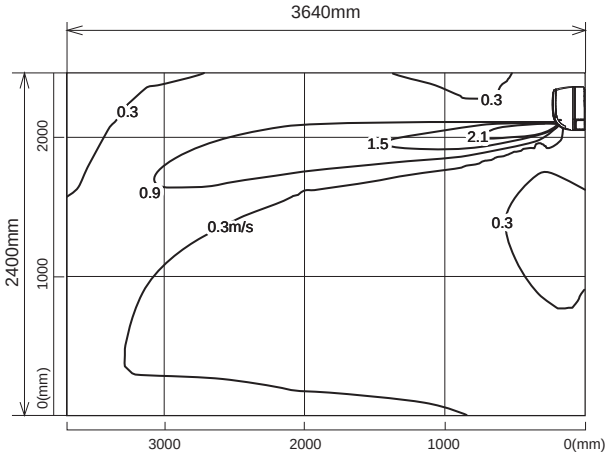


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

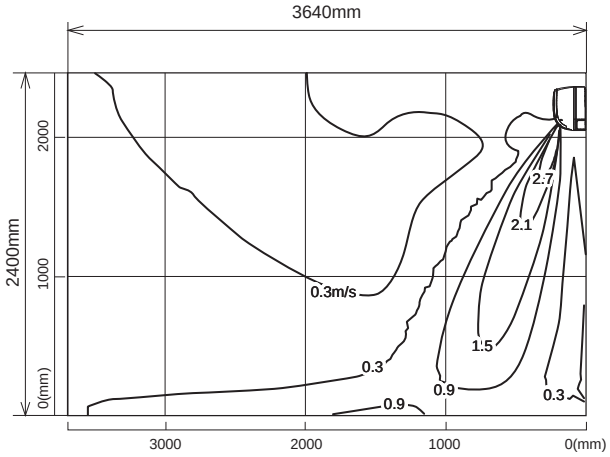


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

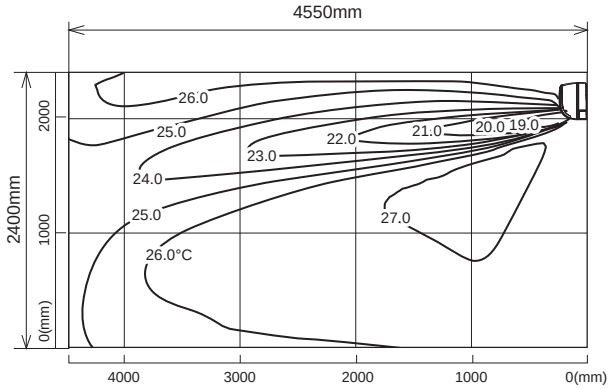


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

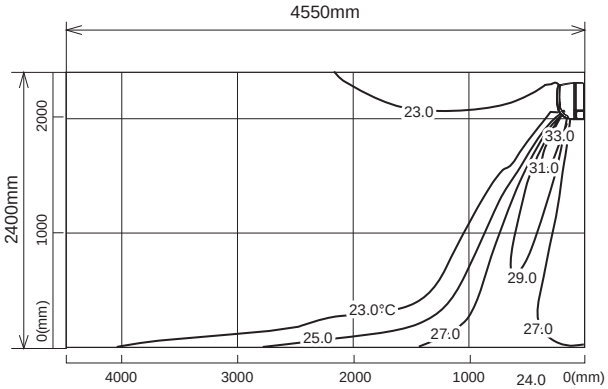
MSZ-LN35VG2W MSZ-LN35VG2V MSZ-LN35VG2B MSZ-LN35VG2R

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

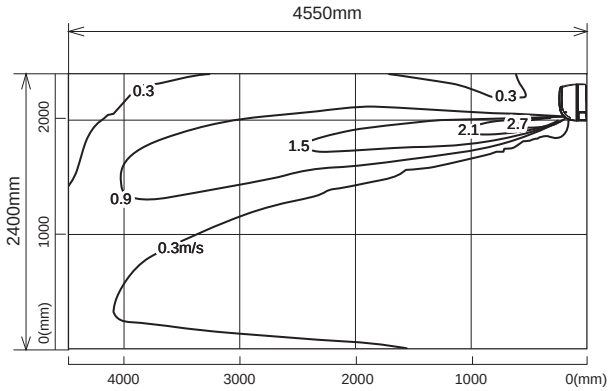


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

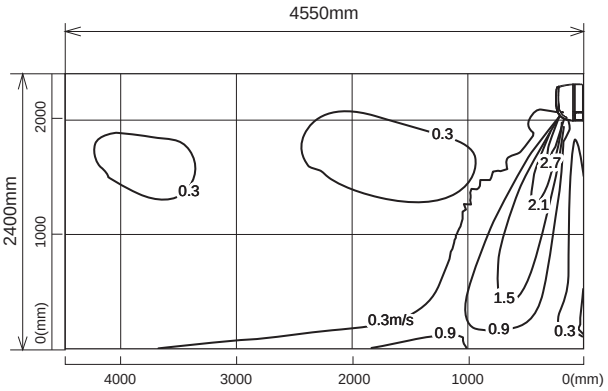


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

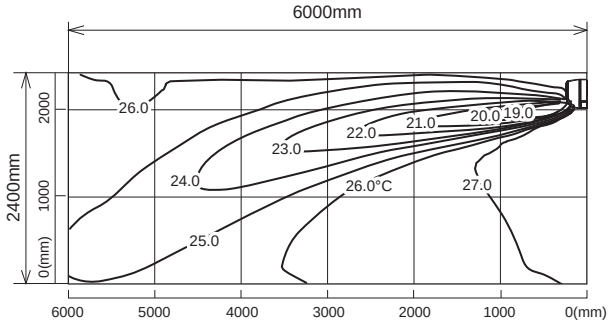


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

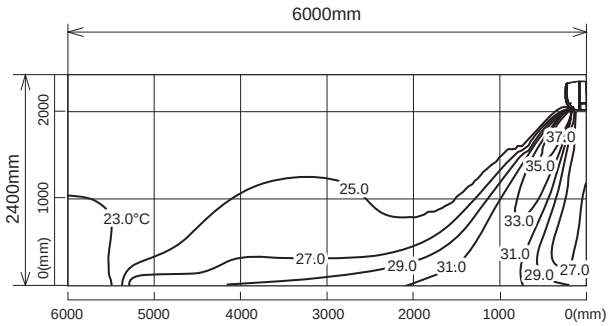
MSZ-LN50VG2W MSZ-LN50VG2V MSZ-LN50VG2B MSZ-LN50VG2R

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

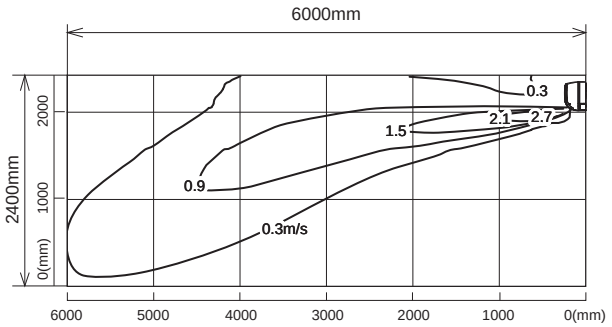


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

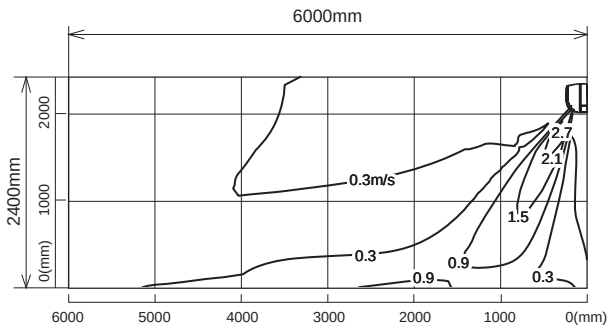


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

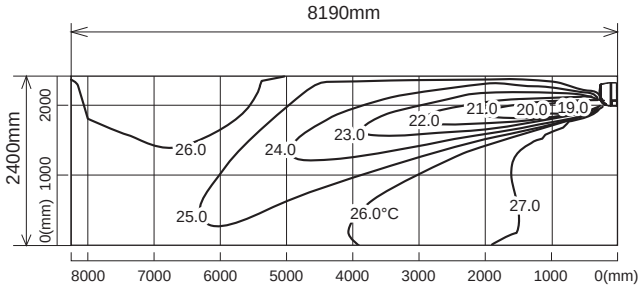


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

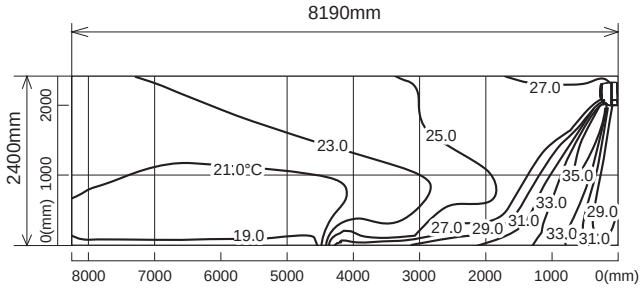
MSZ-LN60VG2W MSZ-LN60VG2V MSZ-LN60VG2B MSZ-LN60VG2R

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

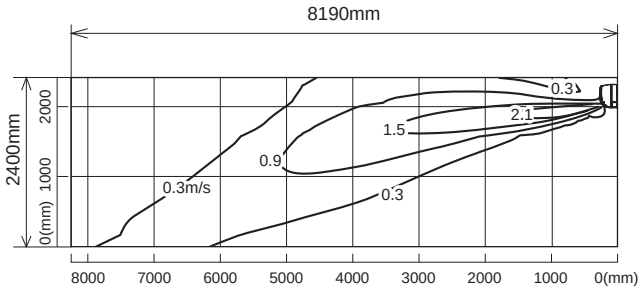


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

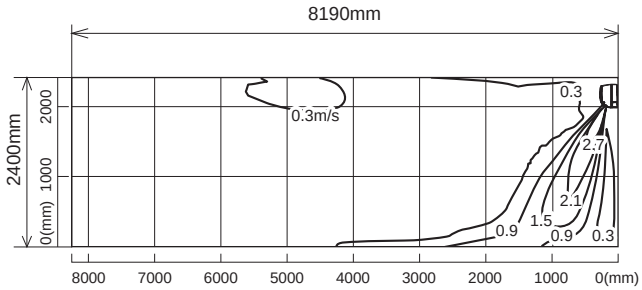


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

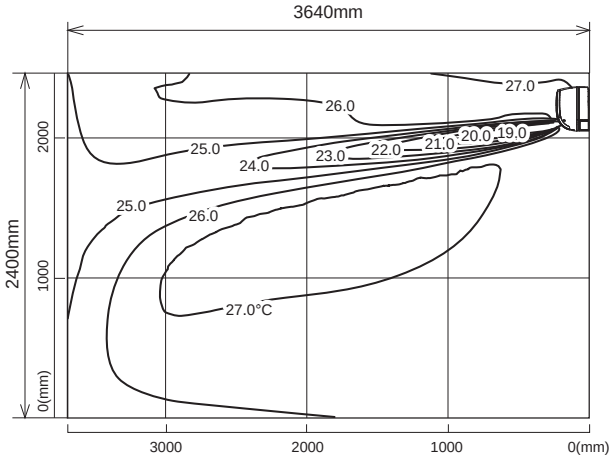


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

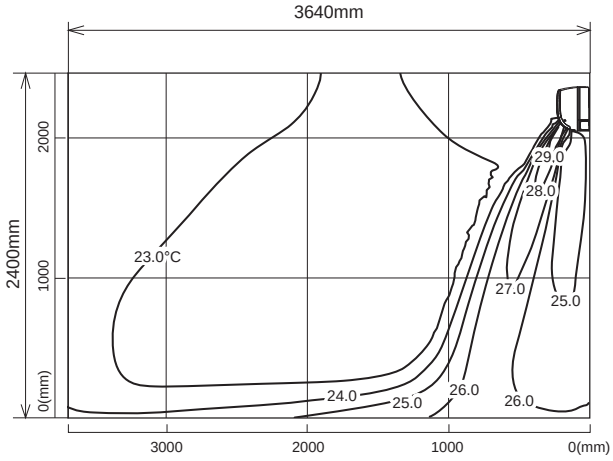
MSZ-FT25VG MSZ-FT25VGK

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

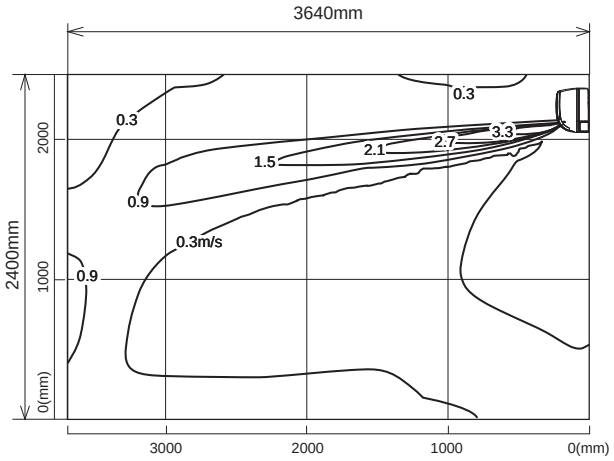


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

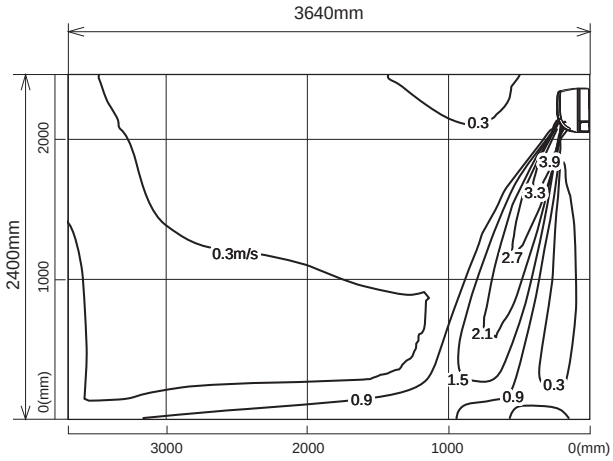


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

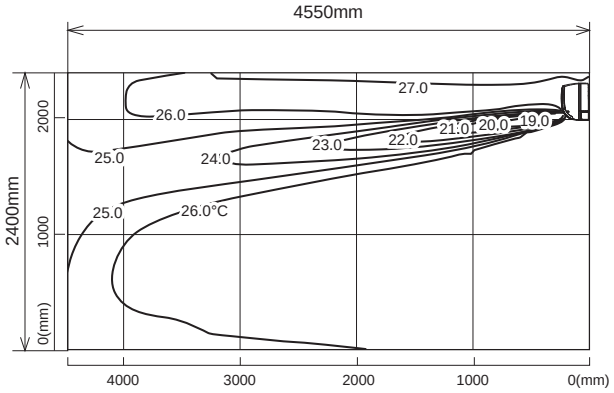


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

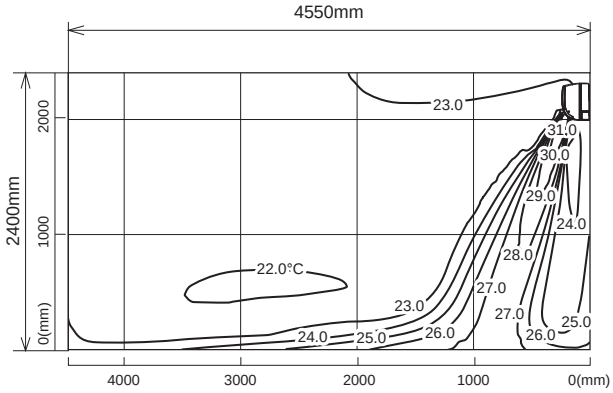
MSZ-FT35VG MSZ-FT35VGK

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

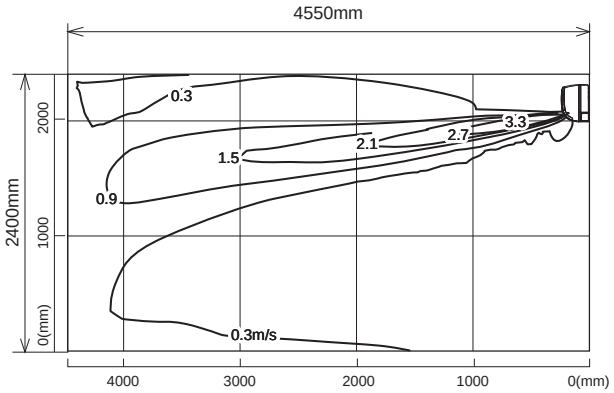


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

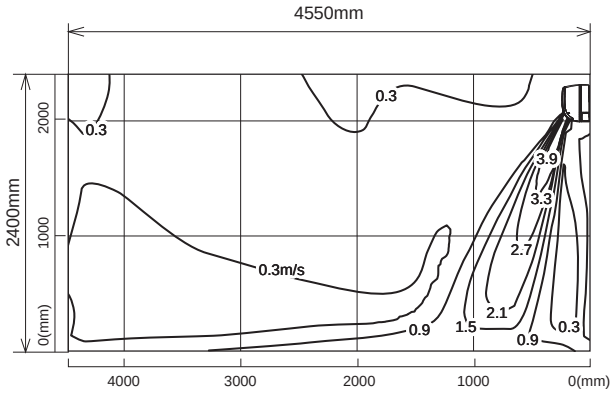


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

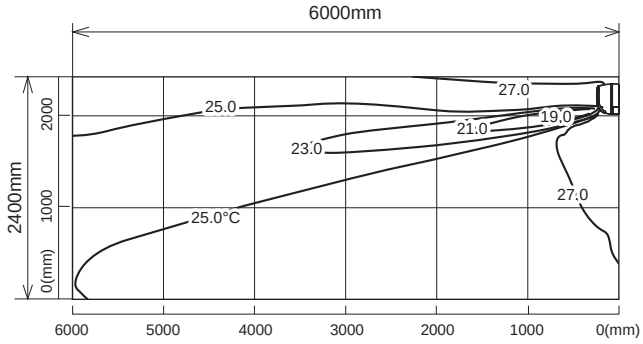


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

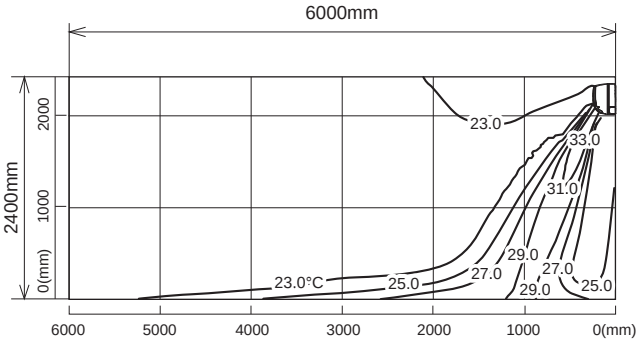
MSZ-FT50VG MSZ-FT50VGK

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

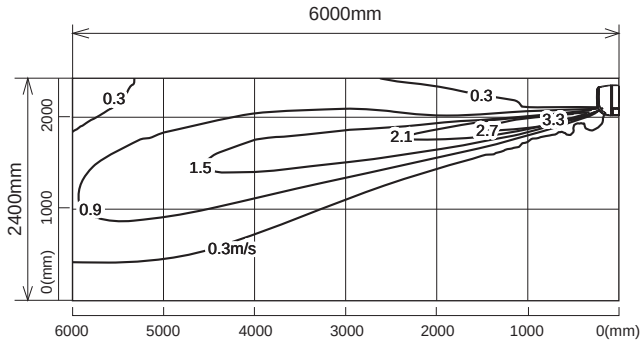


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

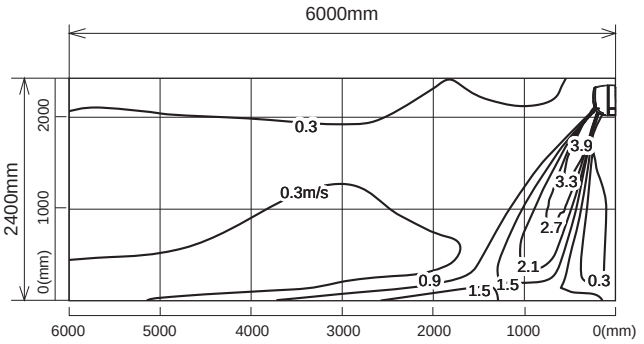


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

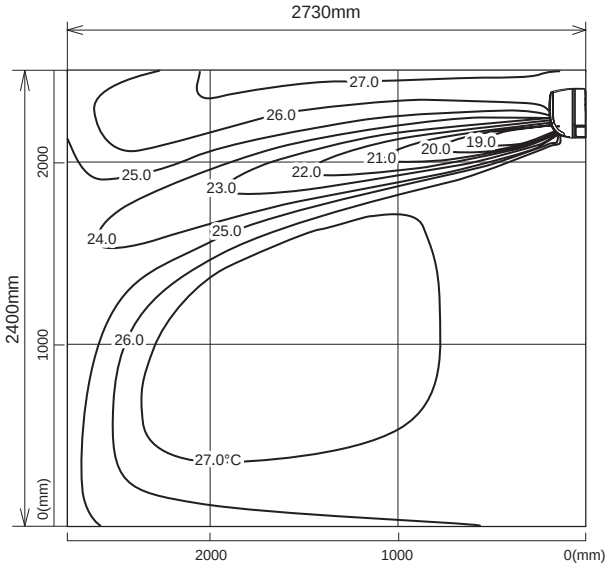


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

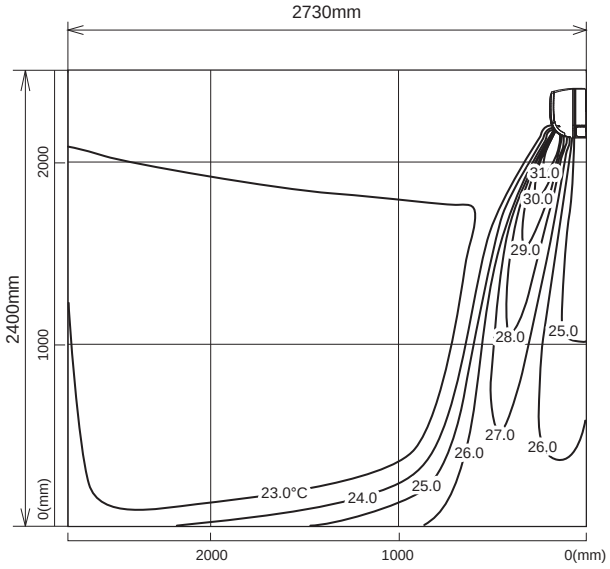
MSZ-AP15VG MSZ-AP15VGK

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

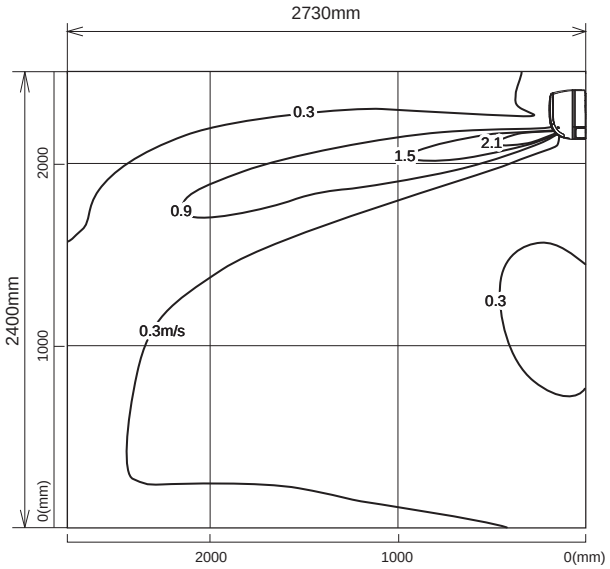


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

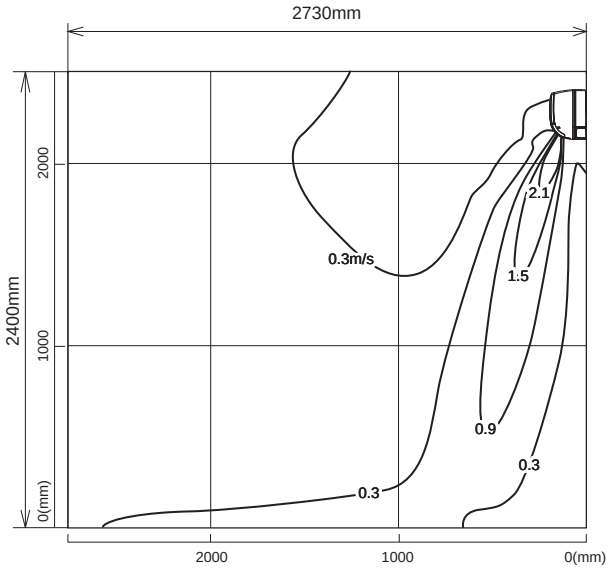


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

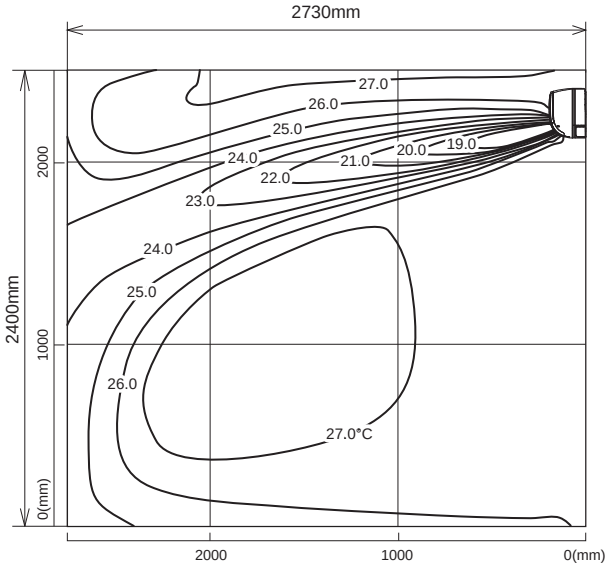


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

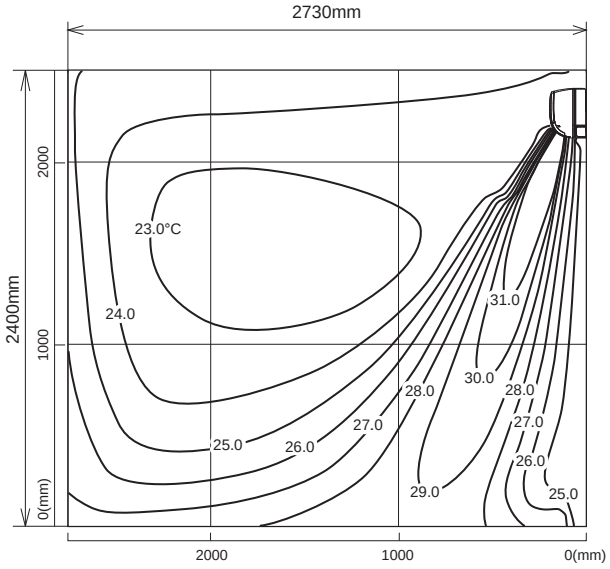
MSZ-AP20VG MSZ-AP20VGK

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

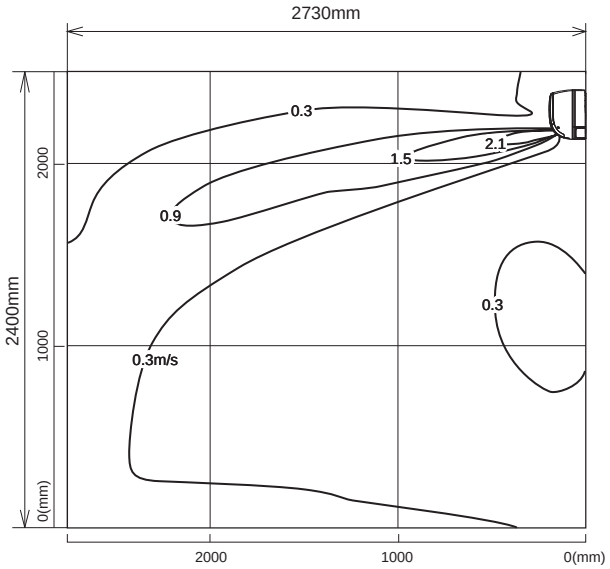


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

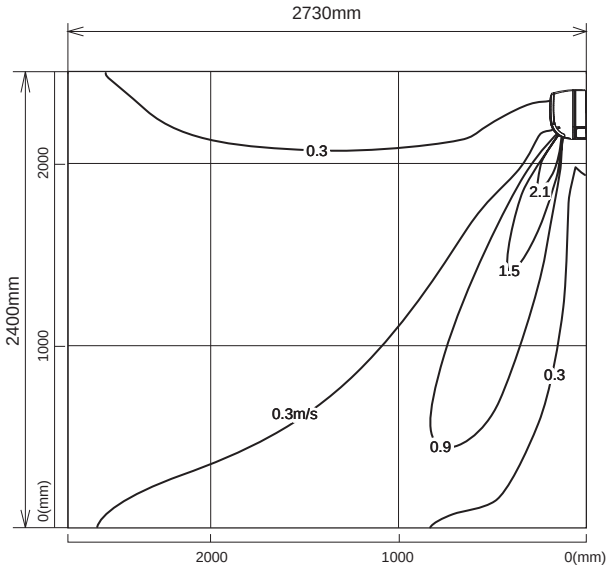


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

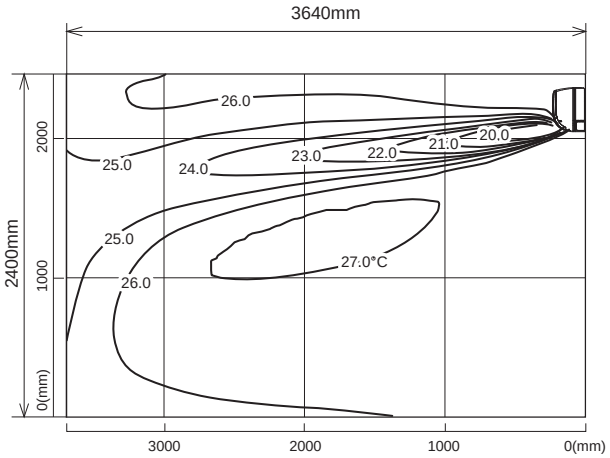


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

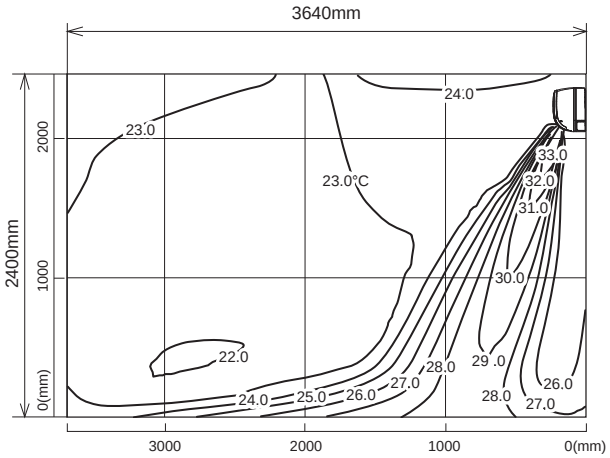
MSZ-AP25VG MSZ-AP25VGK

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

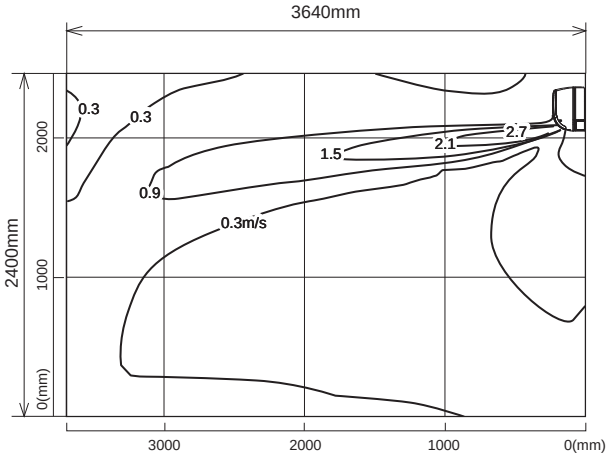


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

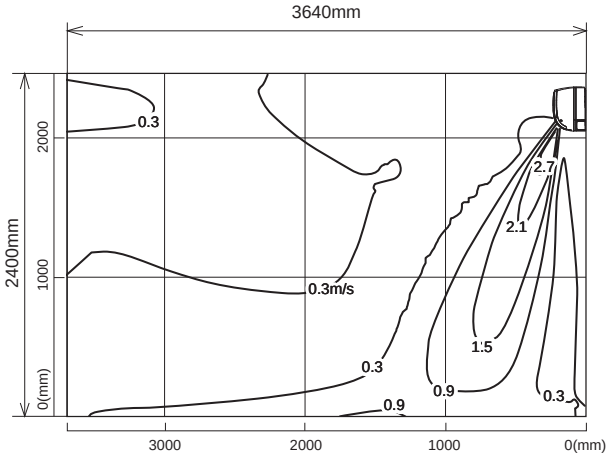


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

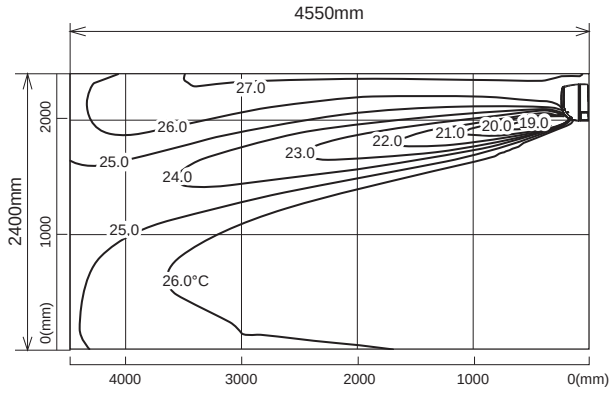


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

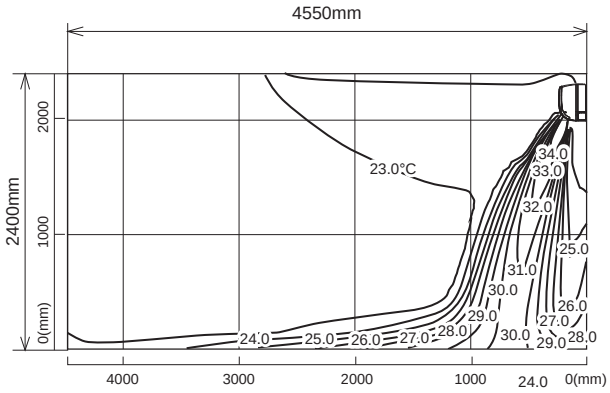
MSZ-AP35VG MSZ-AP35VGK

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

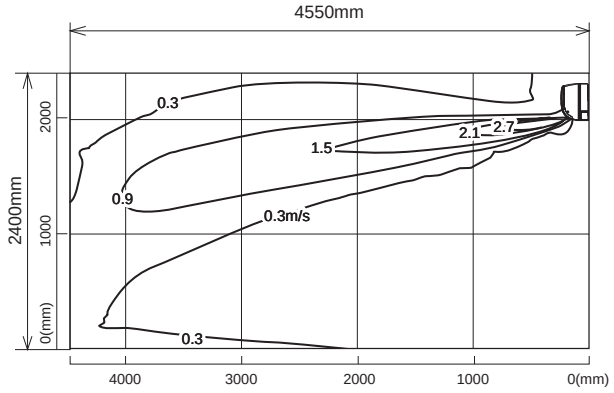


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

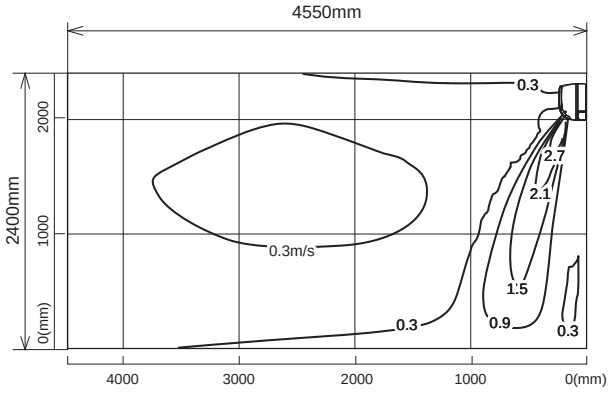


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

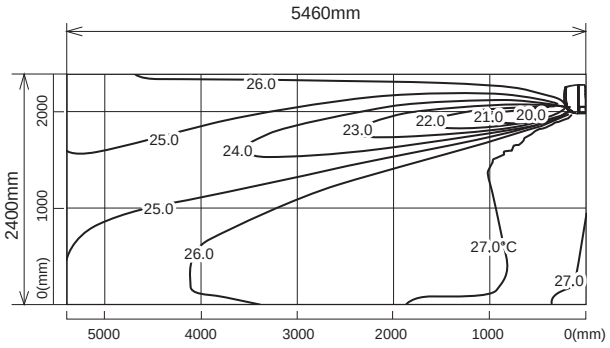


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

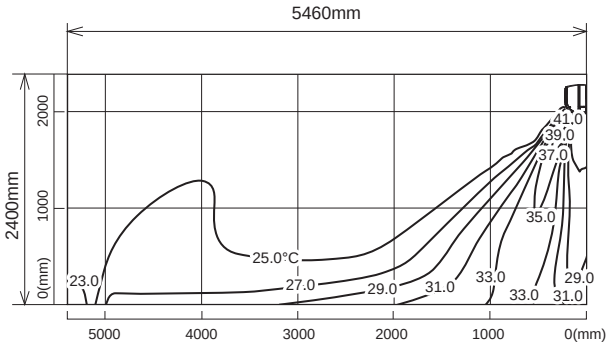
MSZ-AP42VG MSZ-AP42VGK

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

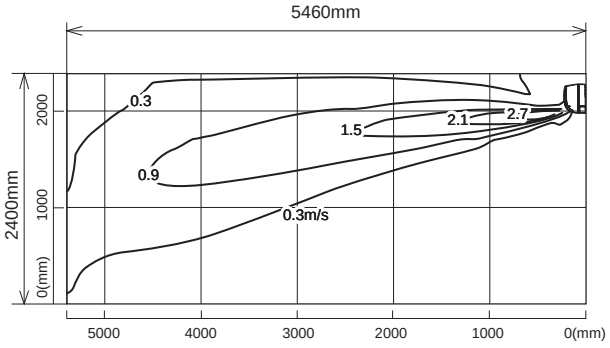


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

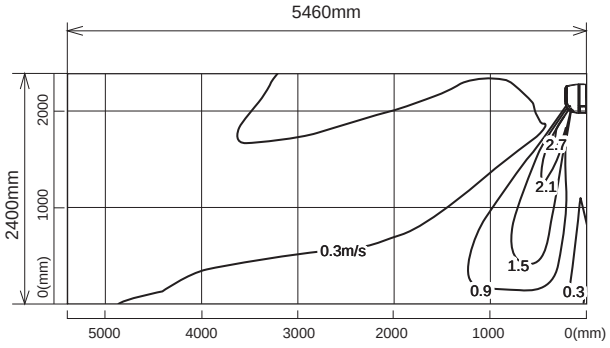


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

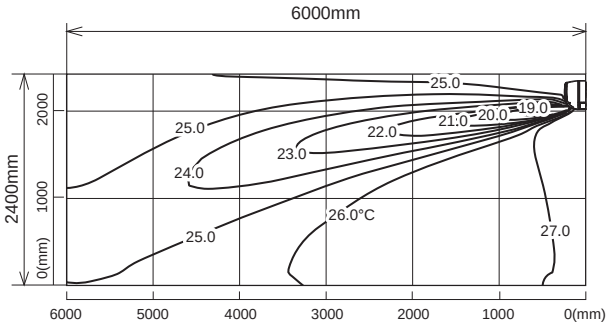


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

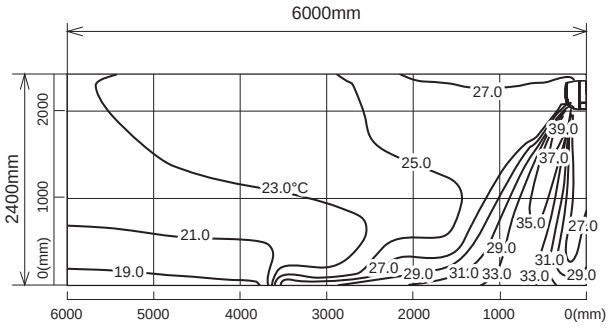
MSZ-AP50VG MSZ-AP50VGK

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

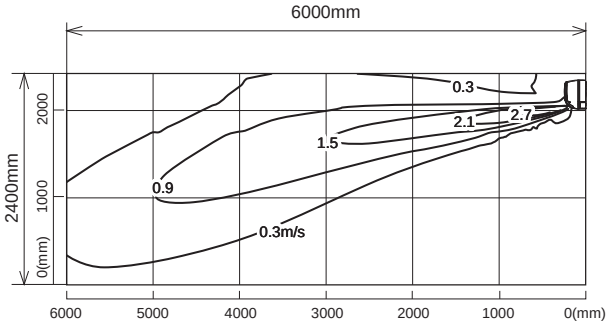


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

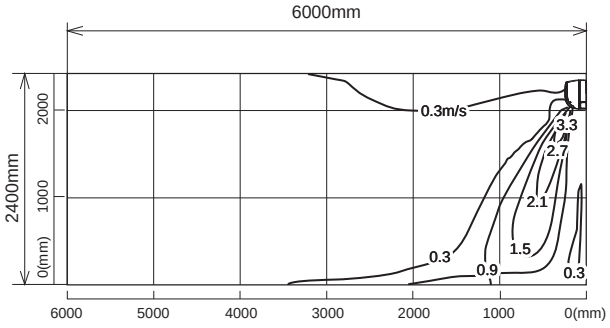


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

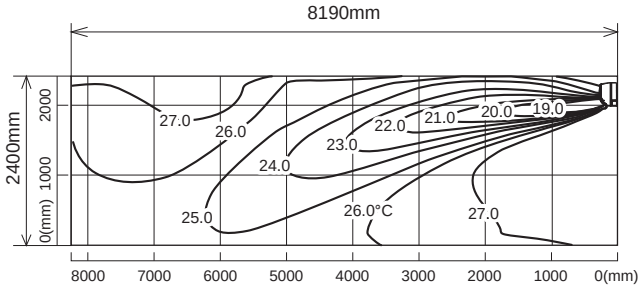


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

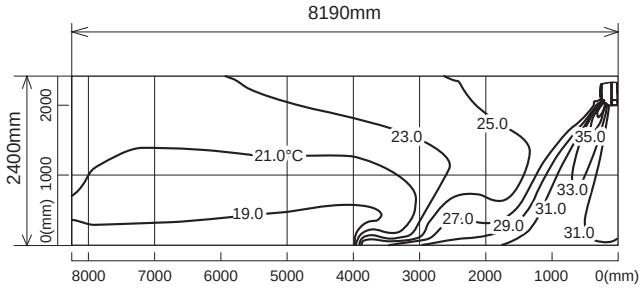
MSZ-AP60VG MSZ-AP60VGK

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

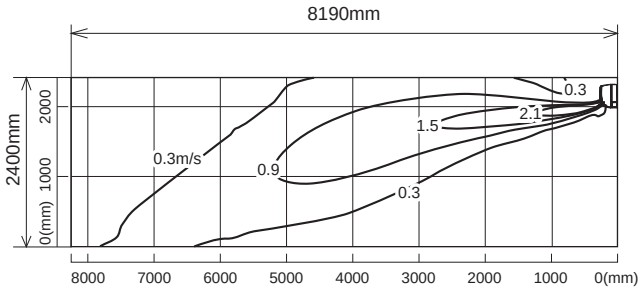


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

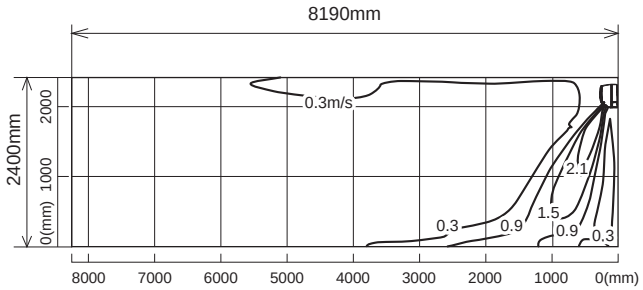


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

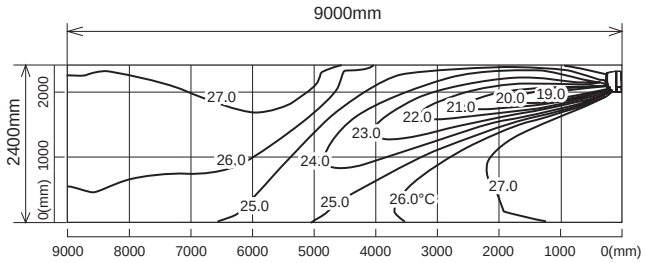


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

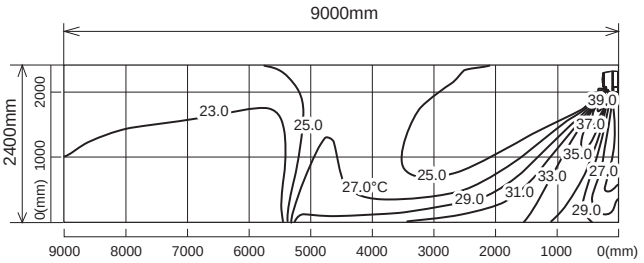
MSZ-AP71VG MSZ-AP71VGK

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

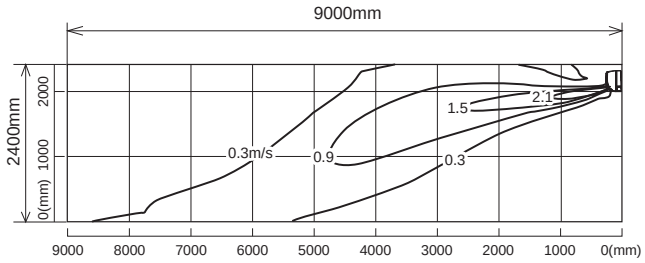


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

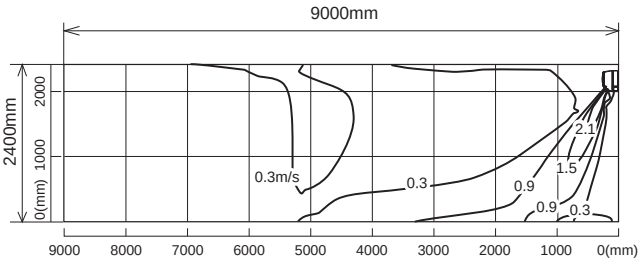


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

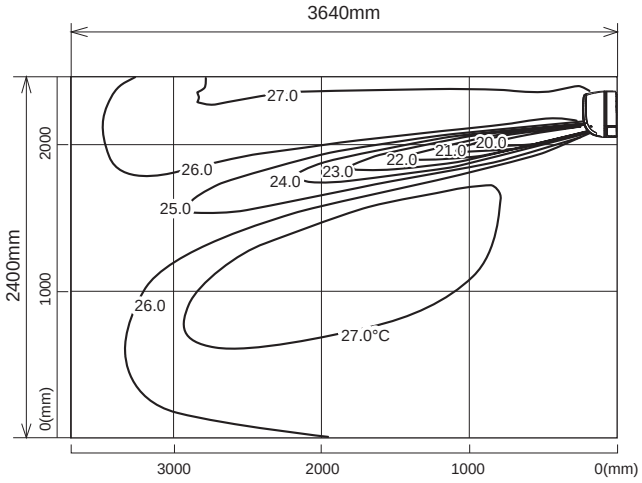


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

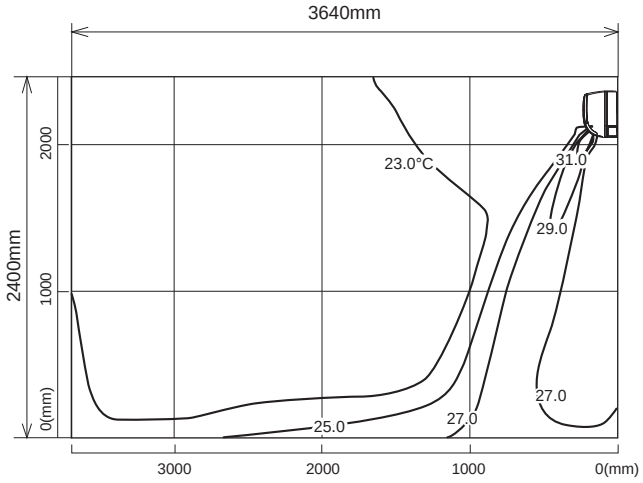
MSZ-HR25VF

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

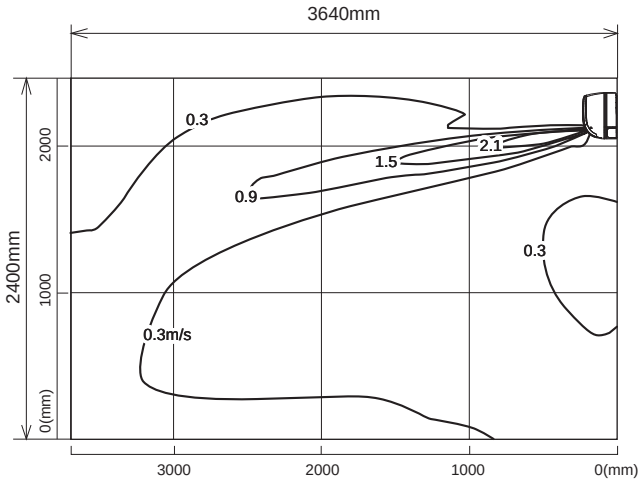


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

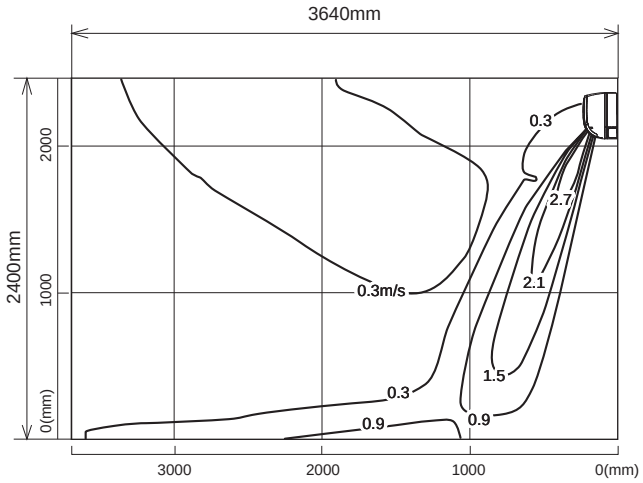


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

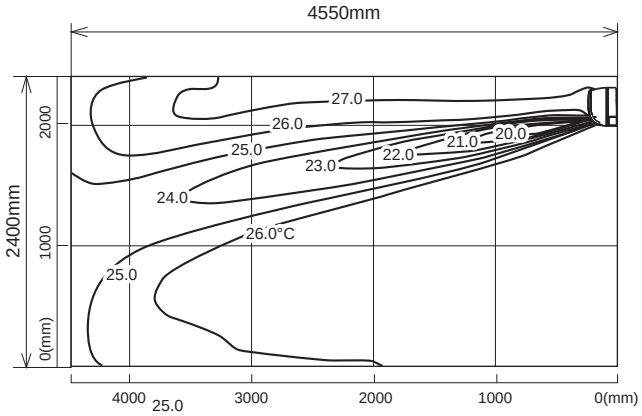


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

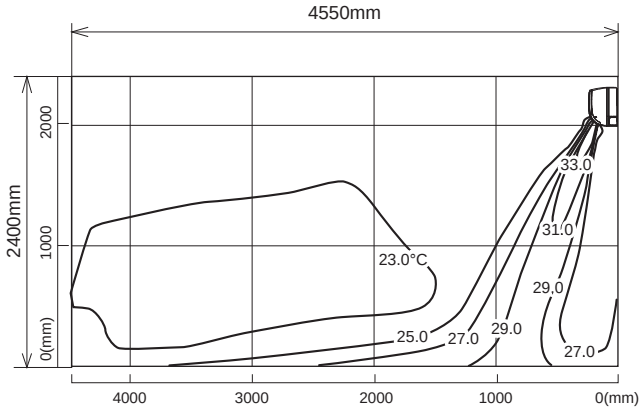
MSZ-HR35VF

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

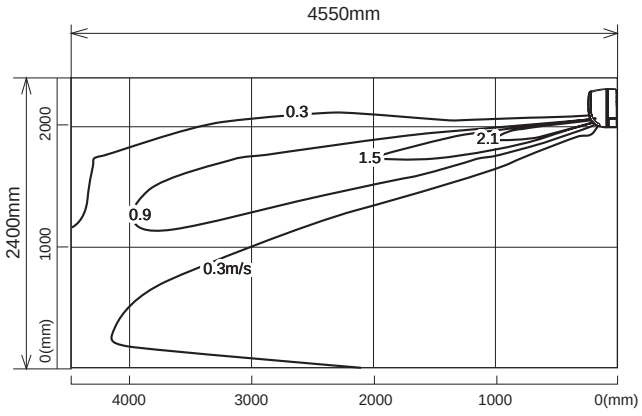


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

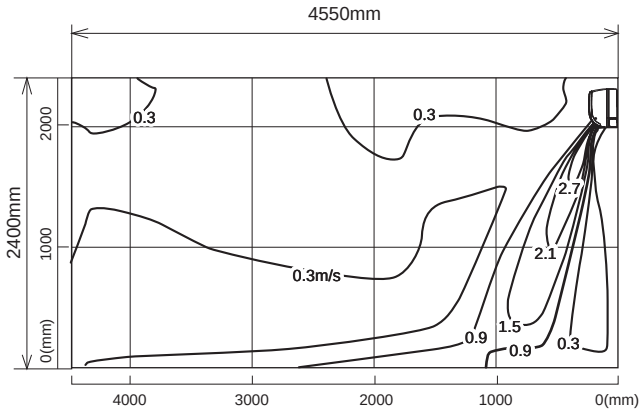


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

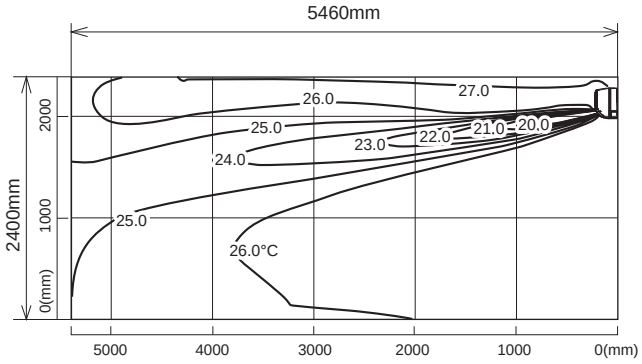


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

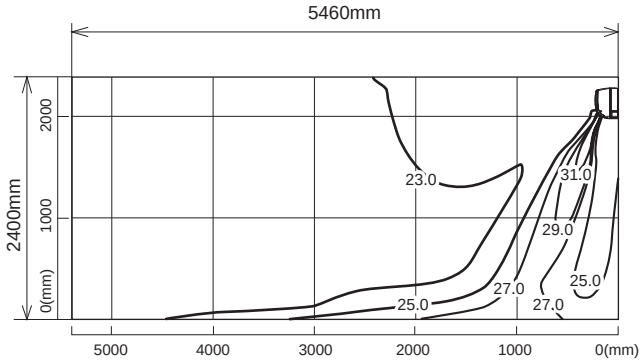
MSZ-HR42VF

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

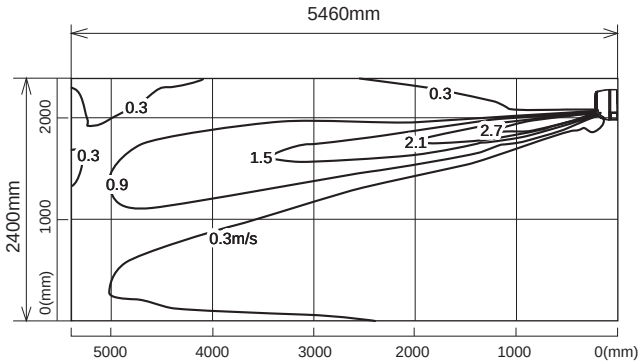


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

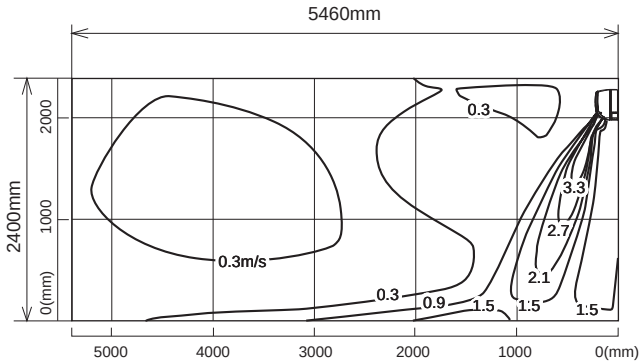


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

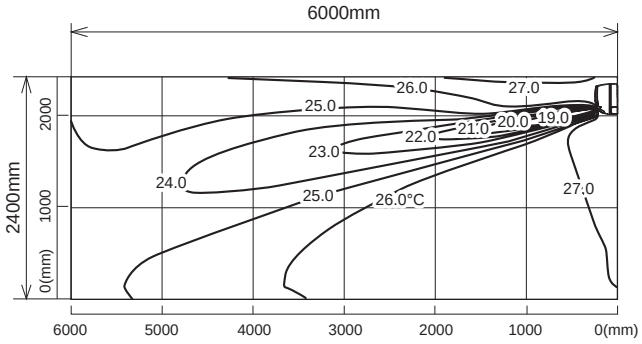


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

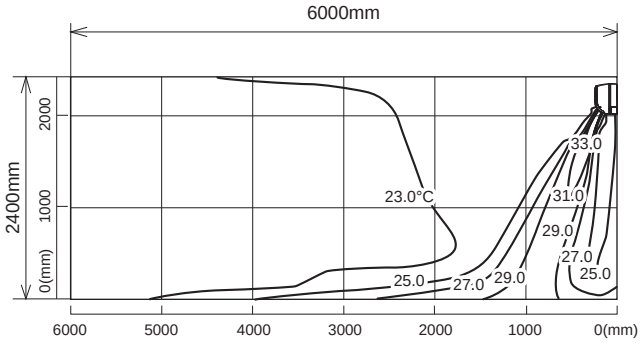
MSZ-HR50VF

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

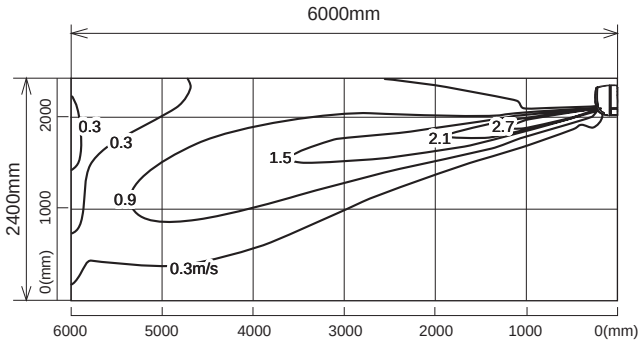


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

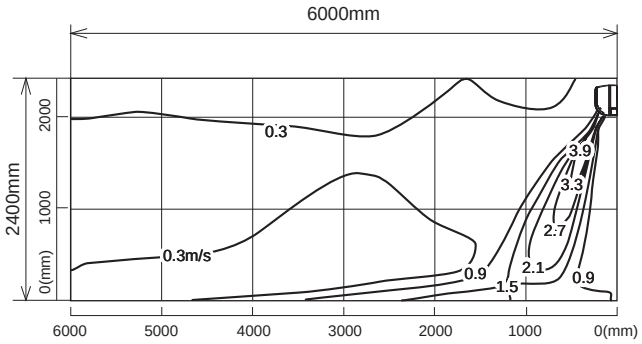


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

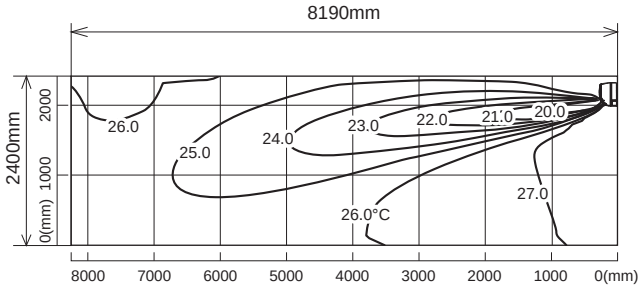


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

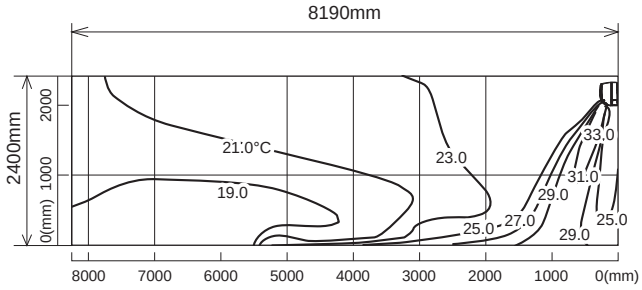
MSZ-HR60VF

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

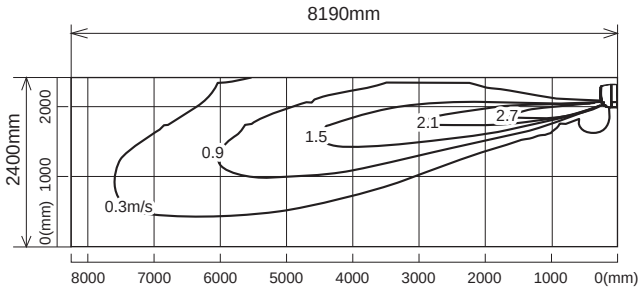


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

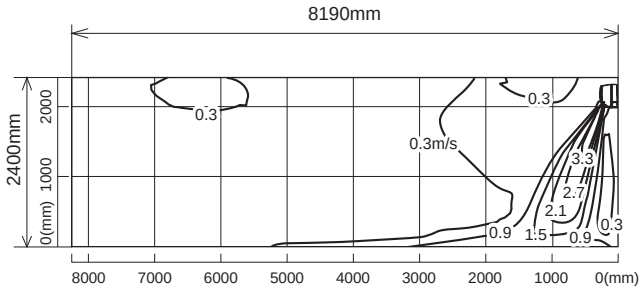


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

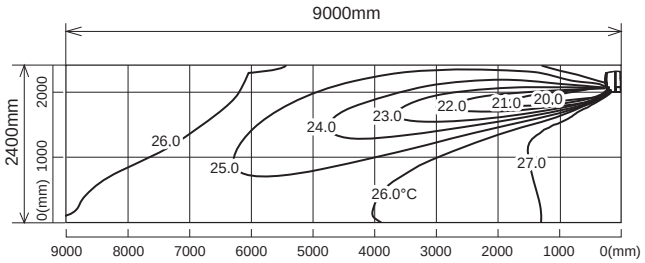


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

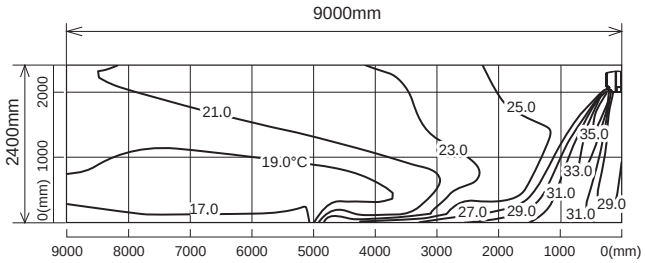
MSZ-HR71VF

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

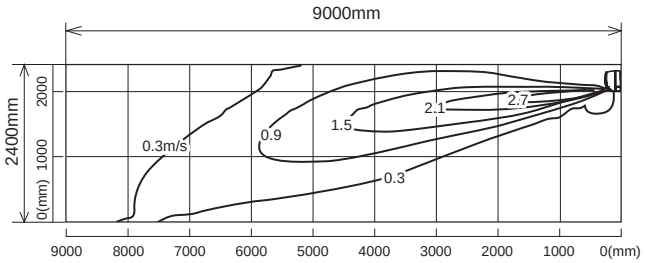


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

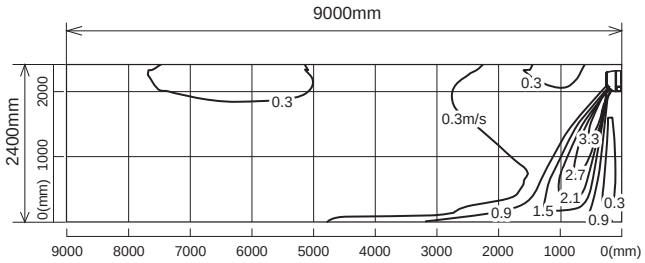


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

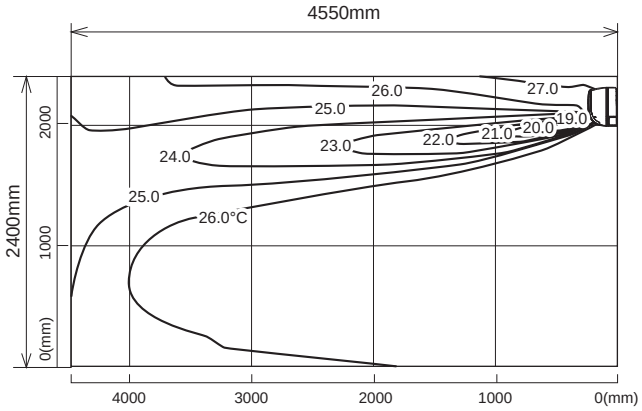


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MST-TP35VF

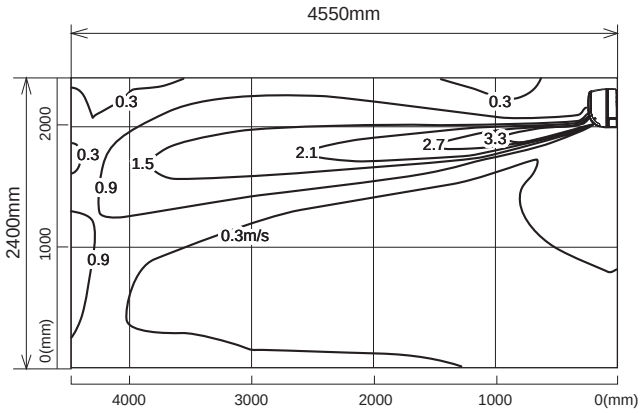
Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



Airflow distribution

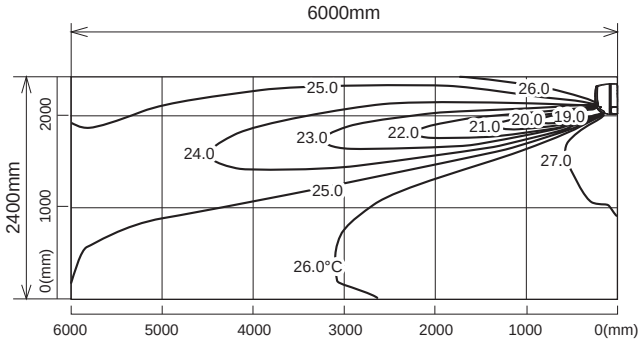
<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



MST-TP50VF

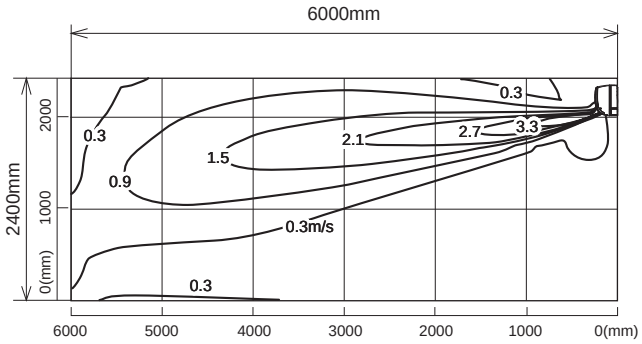
Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



Airflow distribution

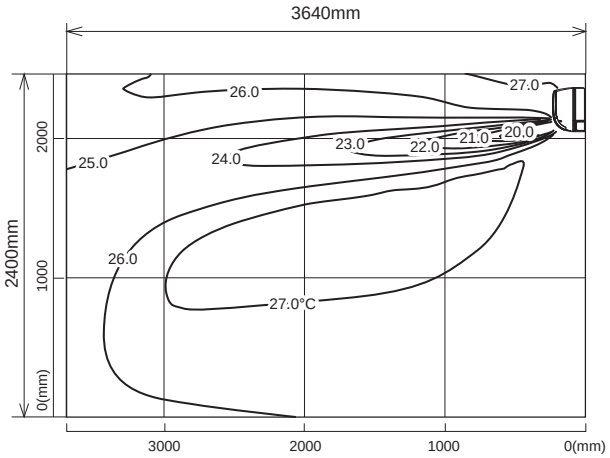
<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



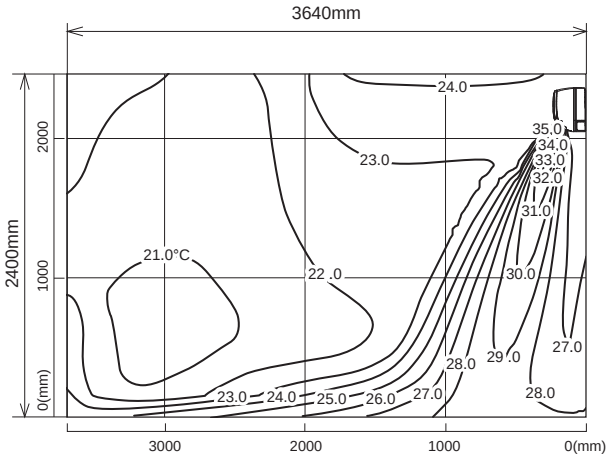
MSZ-FH25VE2

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

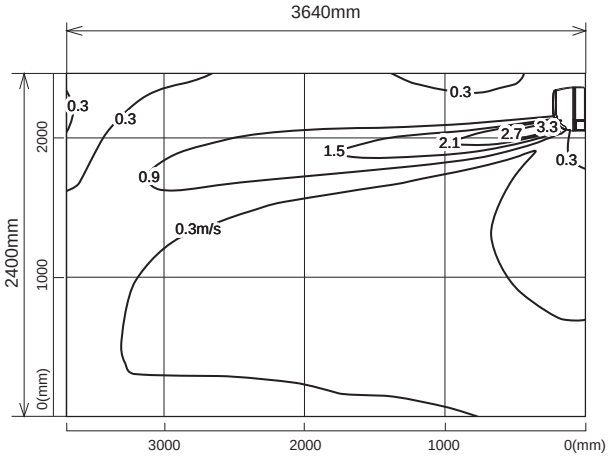


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

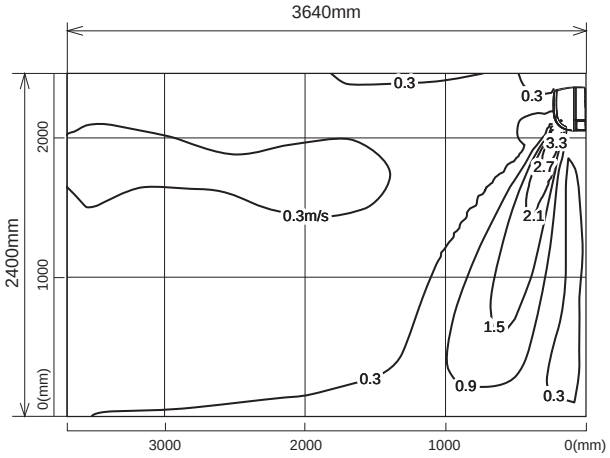


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

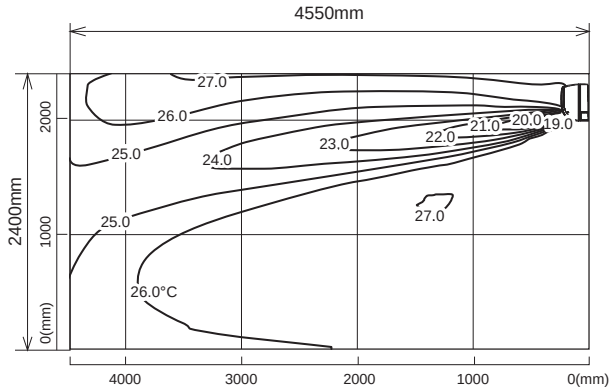


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

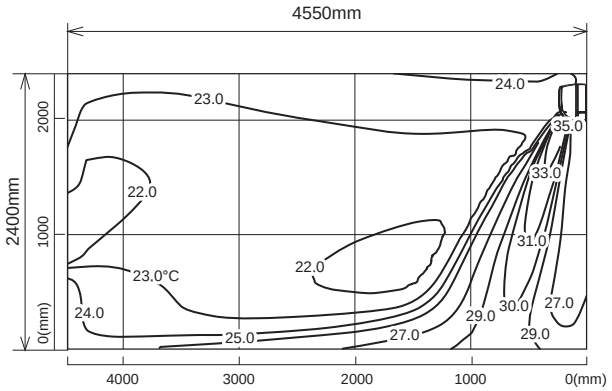
MSZ-FH35VE2

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

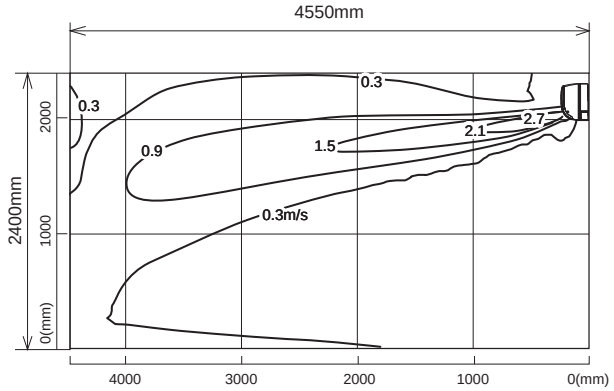


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

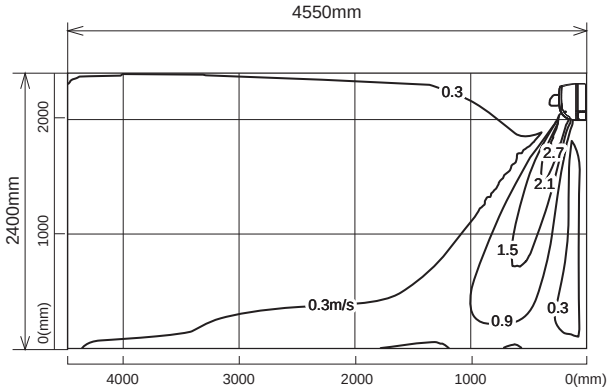


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

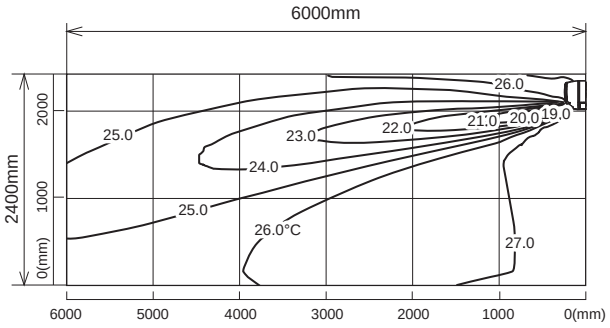


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

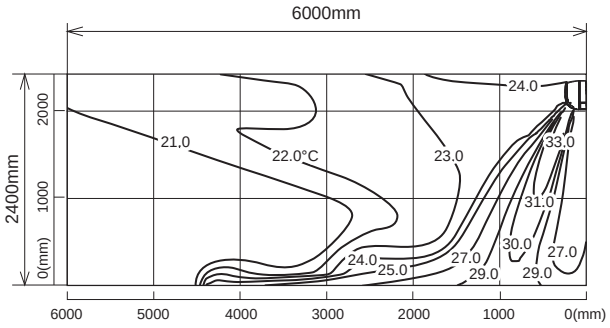
MSZ-FH50VE2

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

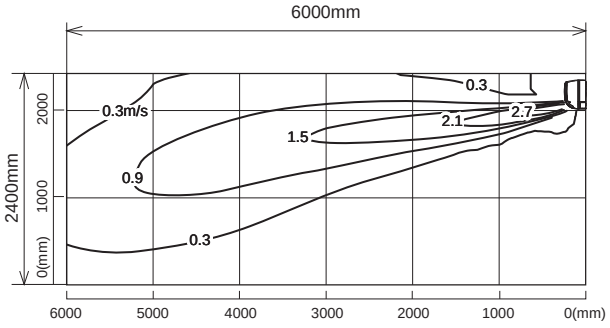


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

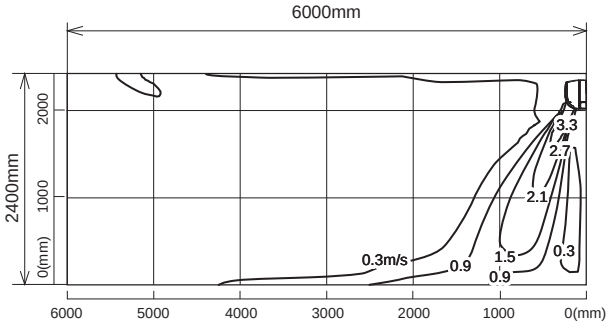


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

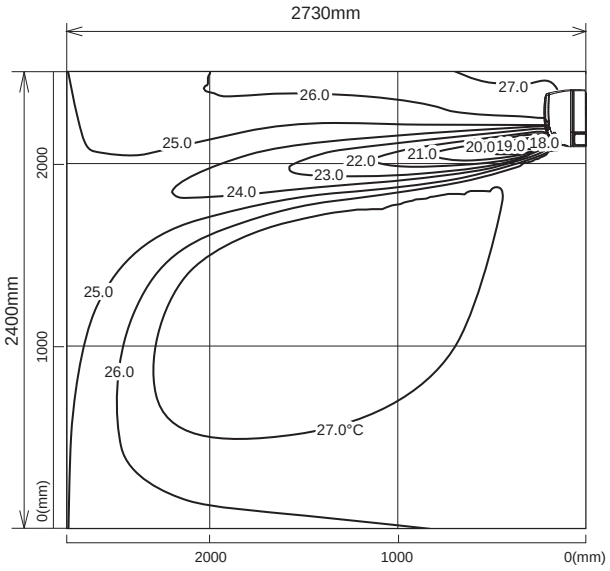


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

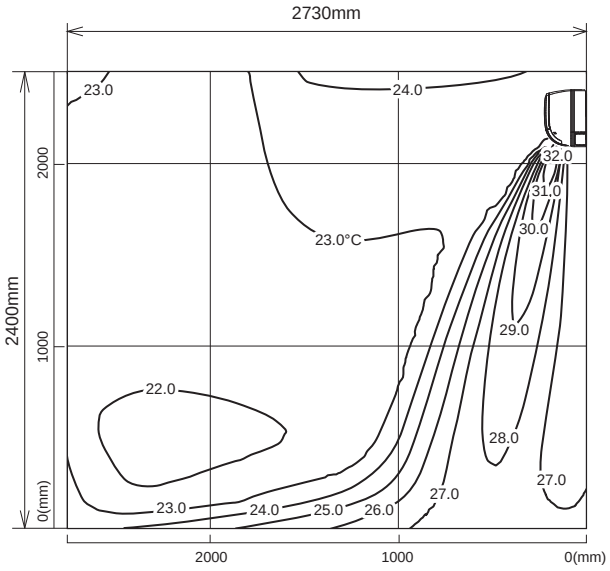
MSZ-EF18VGW MSZ-EF18VGB MSZ-EF18VGS
MSZ-EF18VGKW MSZ-EF18VGKB MSZ-EF18VGKS

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

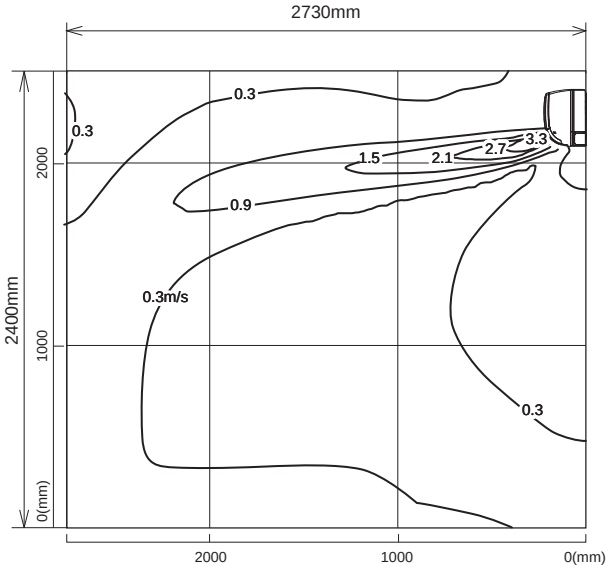


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

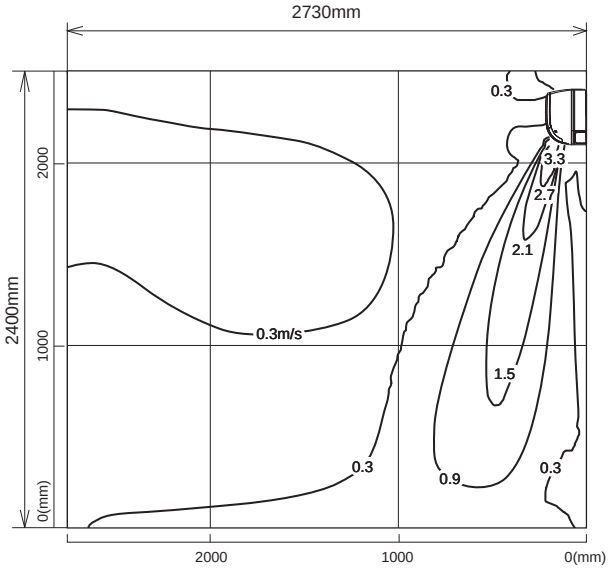


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

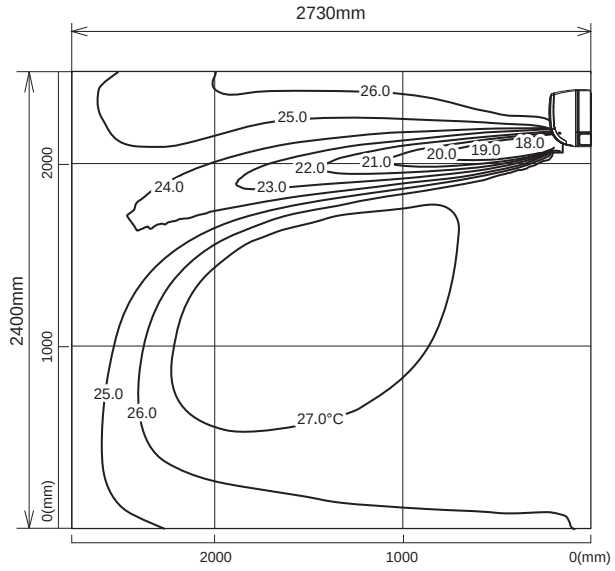


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

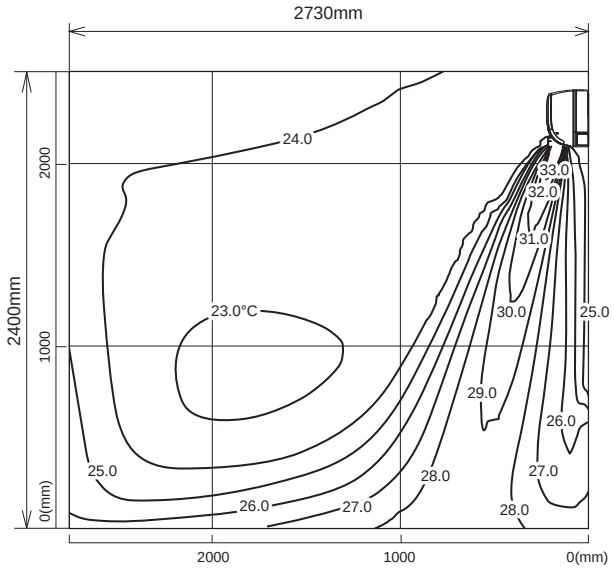
MSZ-EF22VGW MSZ-EF22VGB MSZ-EF22VGS
MSZ-EF22VGKW MSZ-EF22VGKB MSZ-EF22VGKS

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

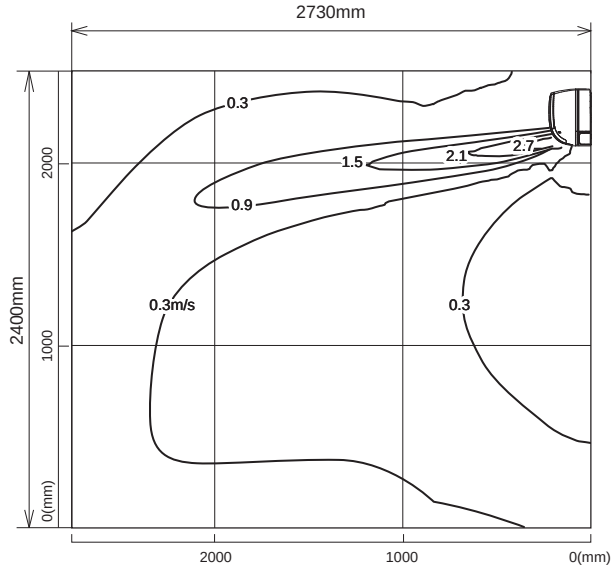


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

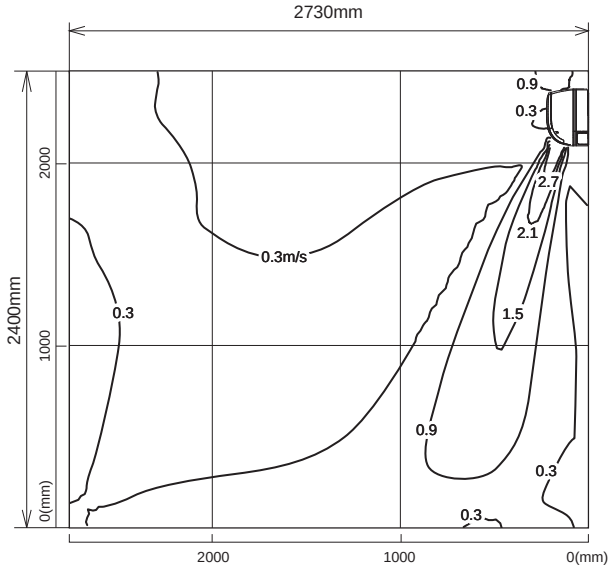


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

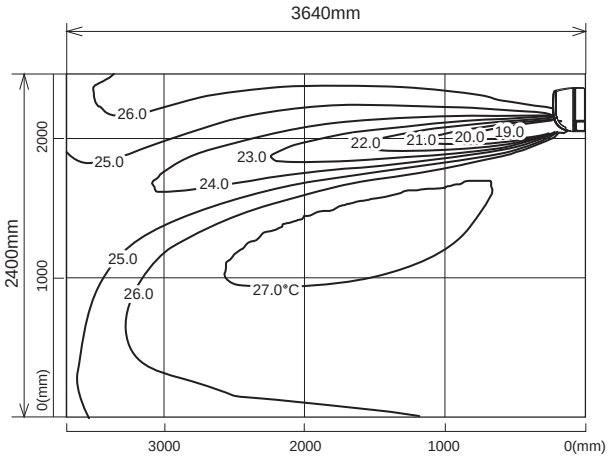


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

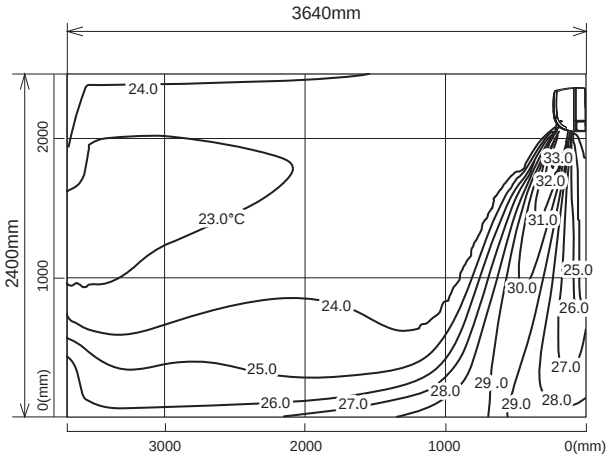
MSZ-EF25VGW MSZ-EF25VGB MSZ-EF25VGS
MSZ-EF25VGKW MSZ-EF25VGKB MSZ-EF25VGKS

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

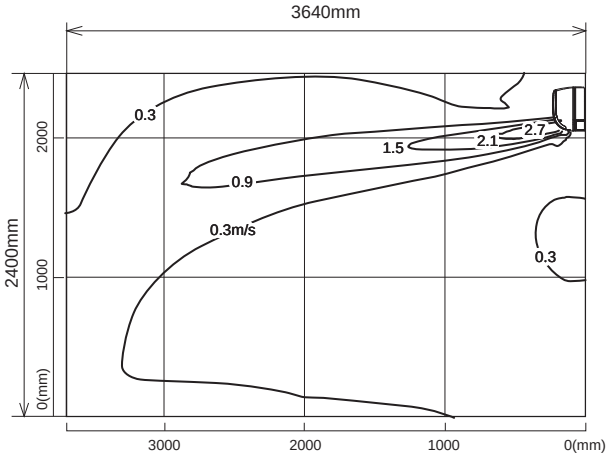


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

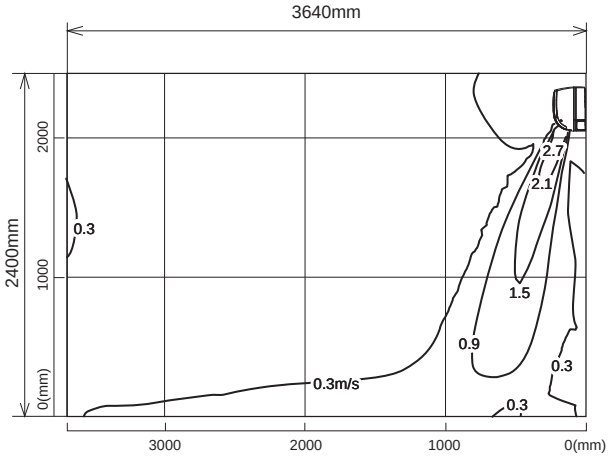


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

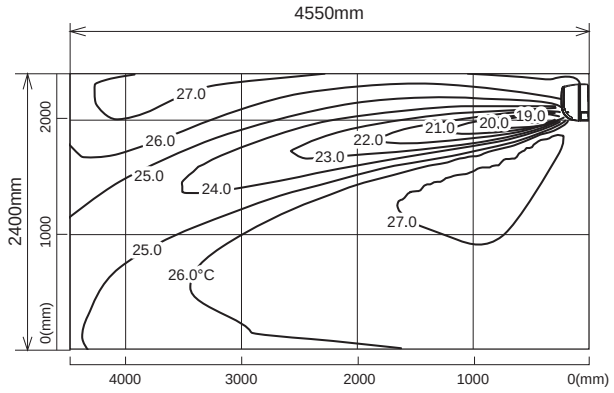


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

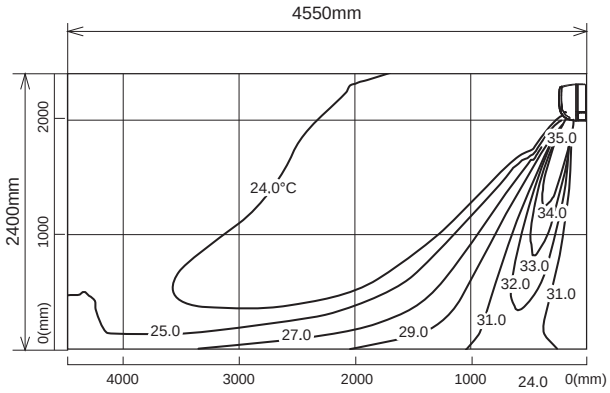
MSZ-EF35VGW MSZ-EF35VGB MSZ-EF35VGS
MSZ-EF35VGKW MSZ-EF35VGKB MSZ-EF35VGKS

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

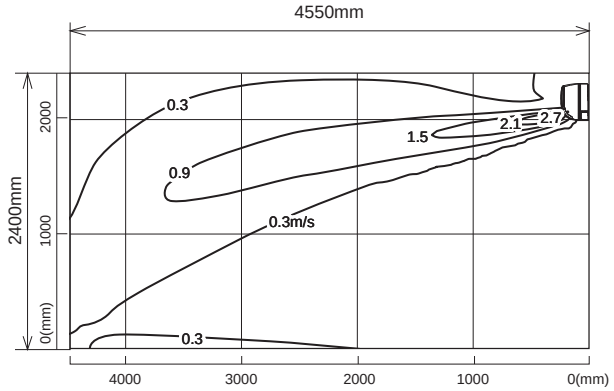


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

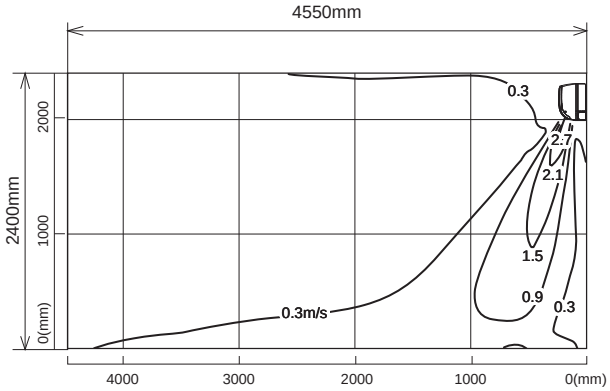


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

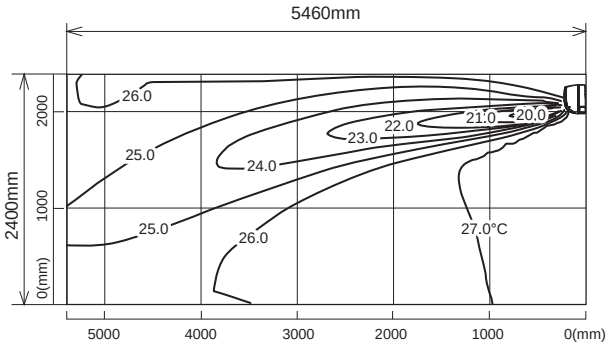


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

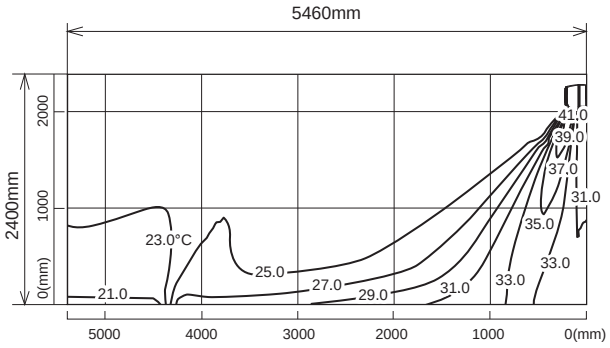
MSZ-EF42VGW MSZ-EF42VGB MSZ-EF42VGS
MSZ-EF42VGKW MSZ-EF42VGKB MSZ-EF42VGKS

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

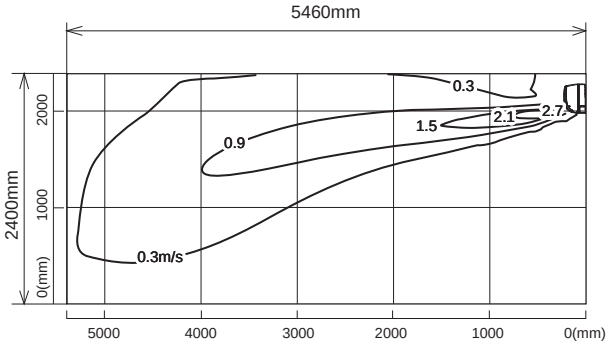


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

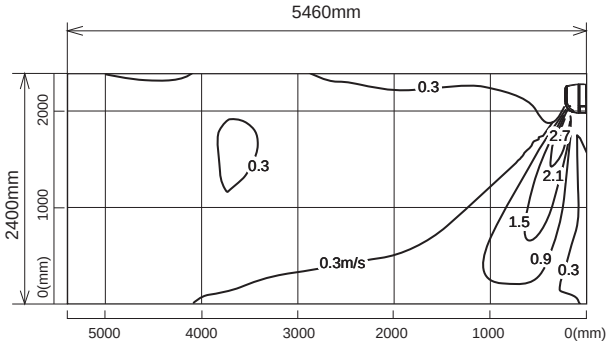


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

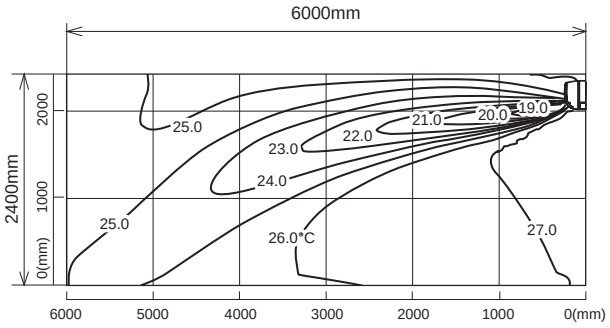


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

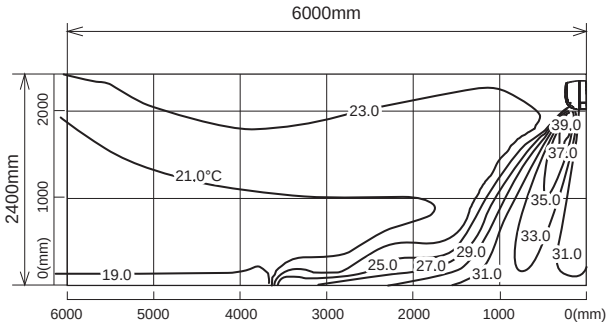
MSZ-EF50VGW MSZ-EF50VGB MSZ-EF50VGS
MSZ-EF50VGKW MSZ-EF50VGKB MSZ-EF50VGKS

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

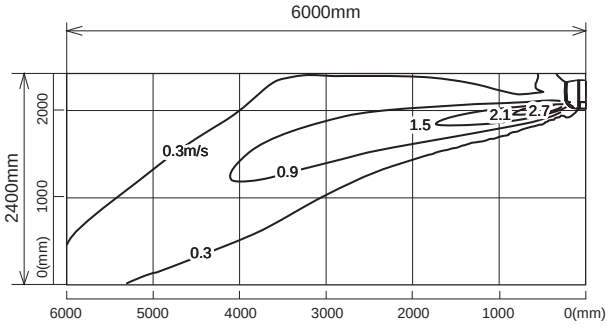


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

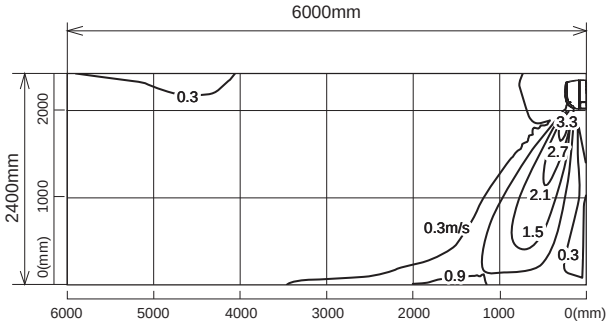


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

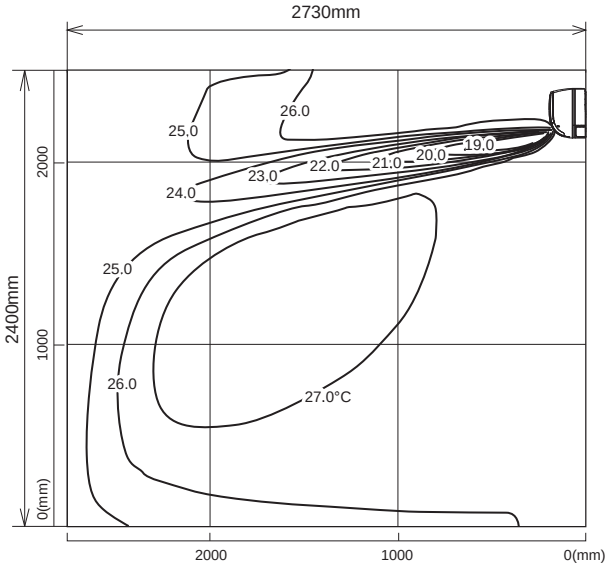


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

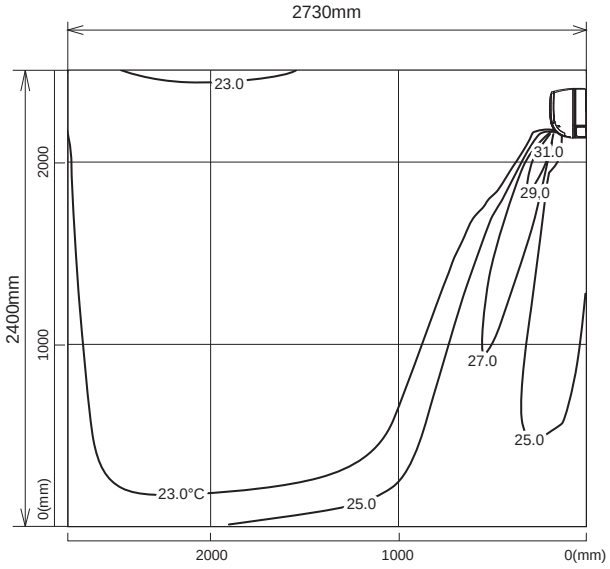
MSZ-BT20VG MSZ-BT20VGK

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

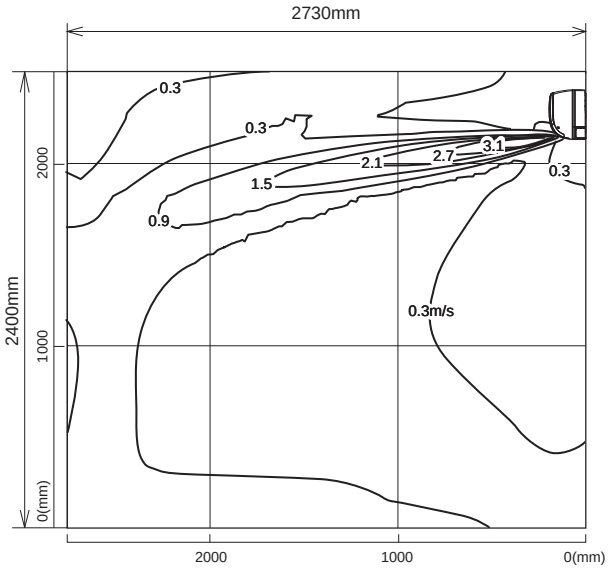


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

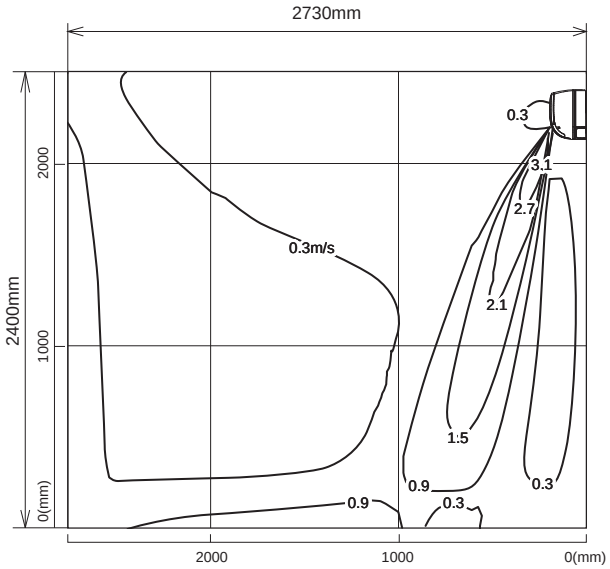


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

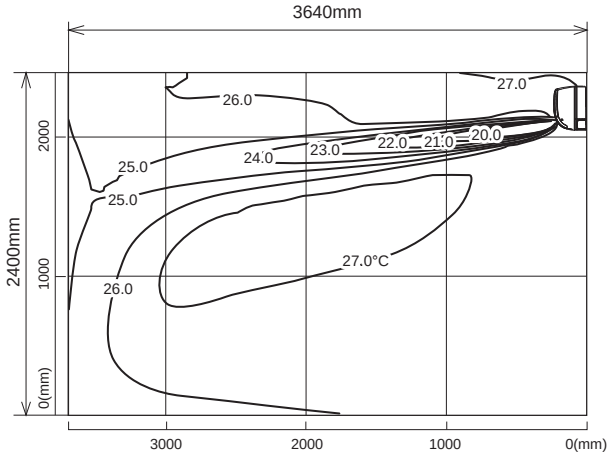


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

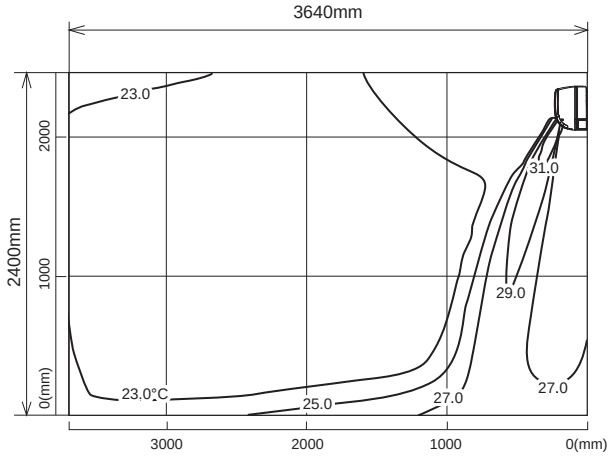
MSZ-BT25VG MSZ-BT25VGK

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

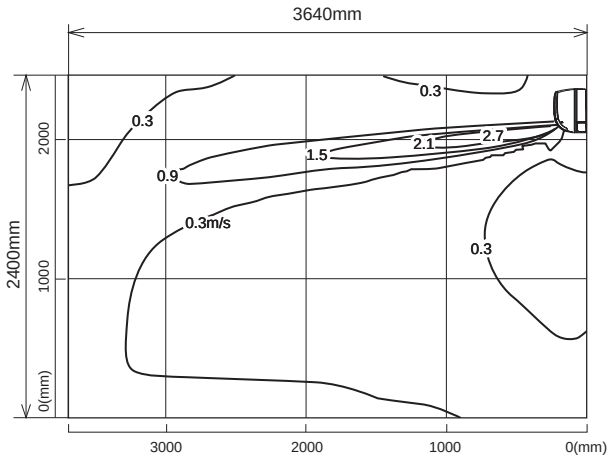


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

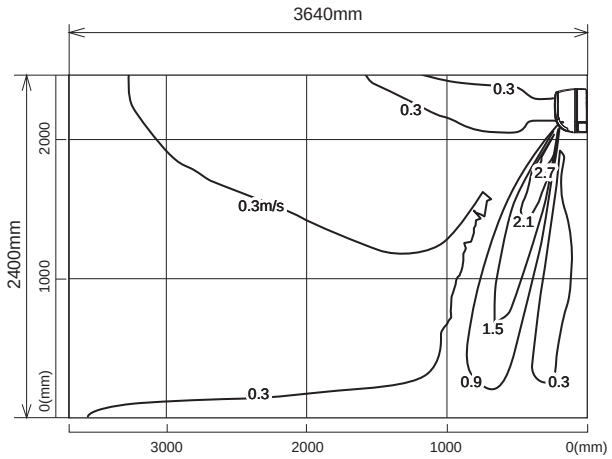


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

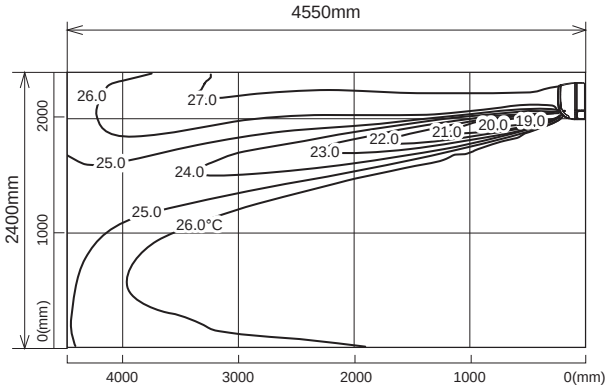


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

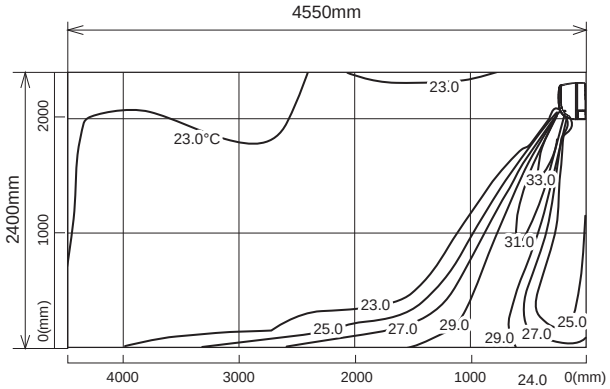
MSZ-BT35VG MSZ-BT35VGK

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

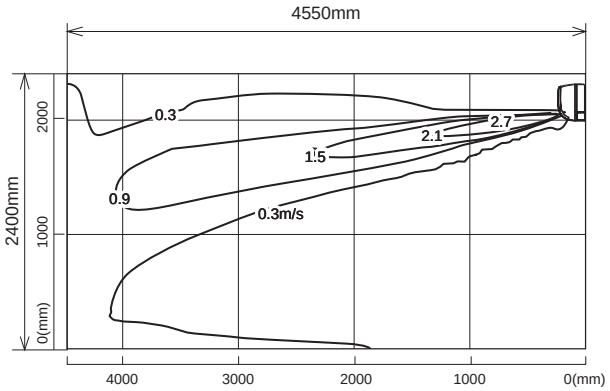


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

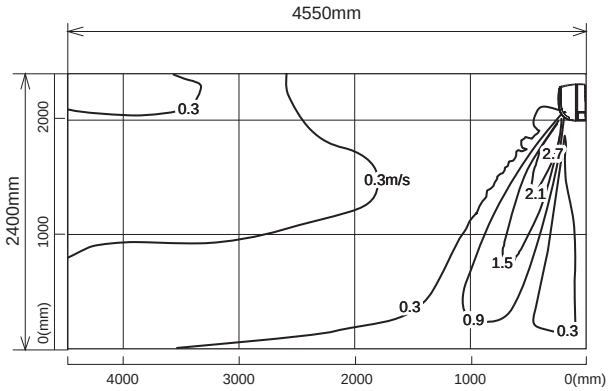


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

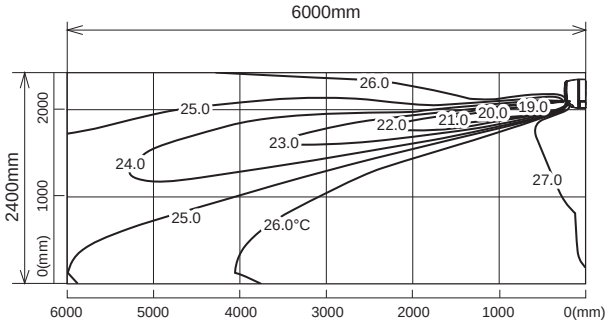


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

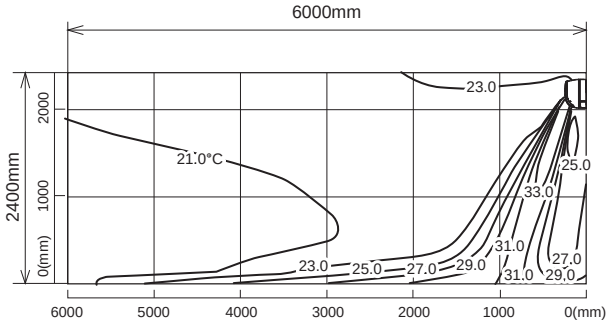
MSZ-BT50VG MSZ-BT50VGK

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

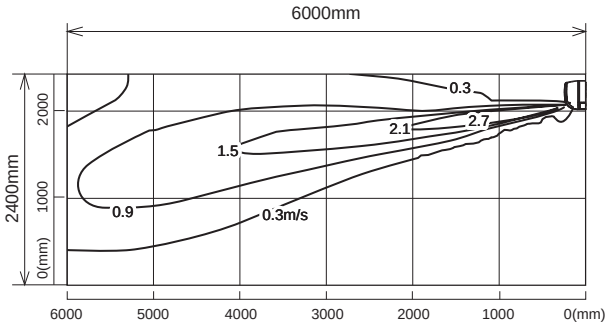


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

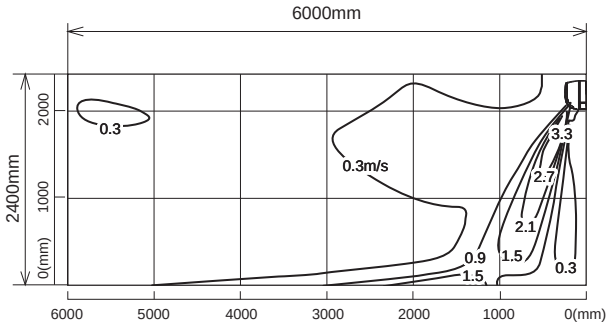


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

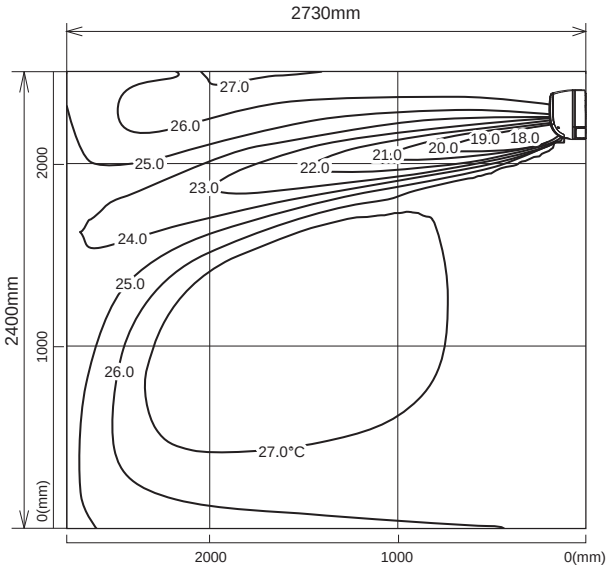


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

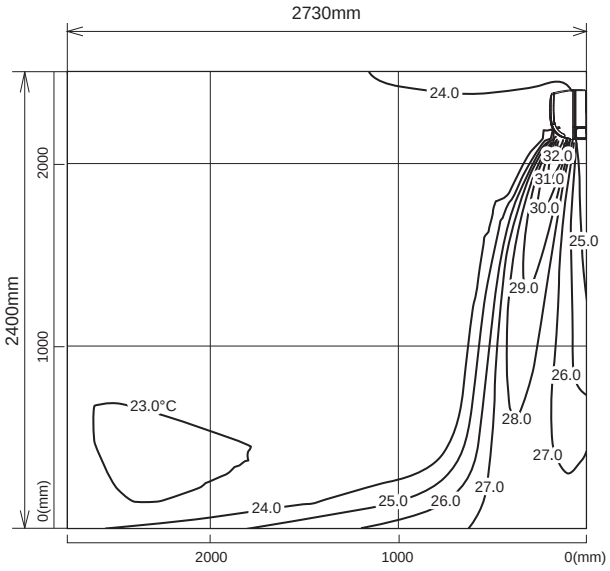
MSZ-SF15VA

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

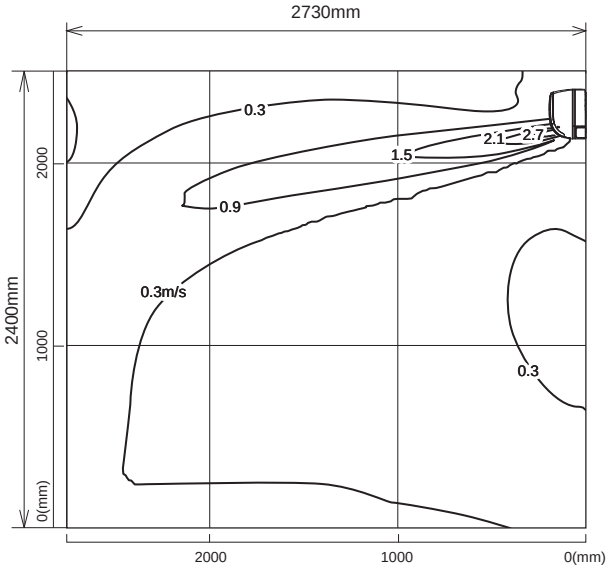


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

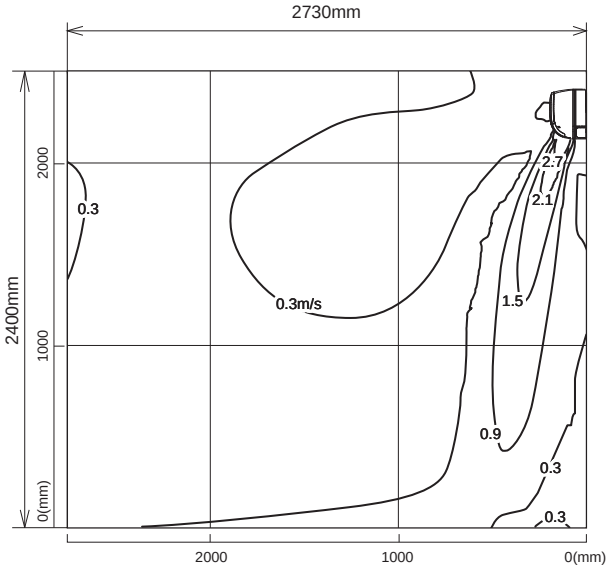


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

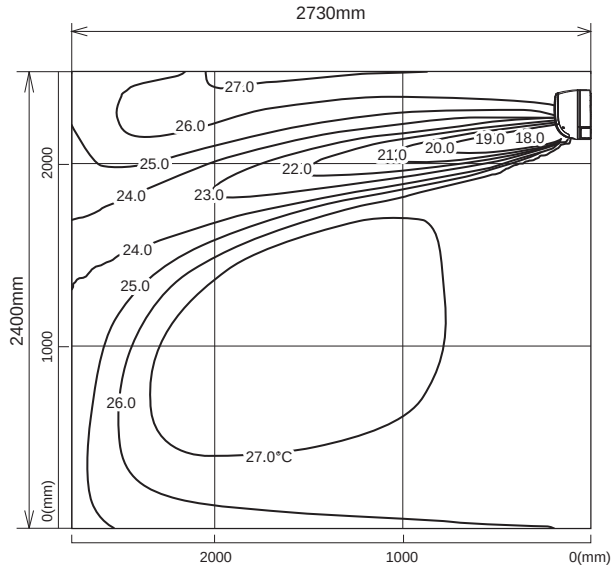


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

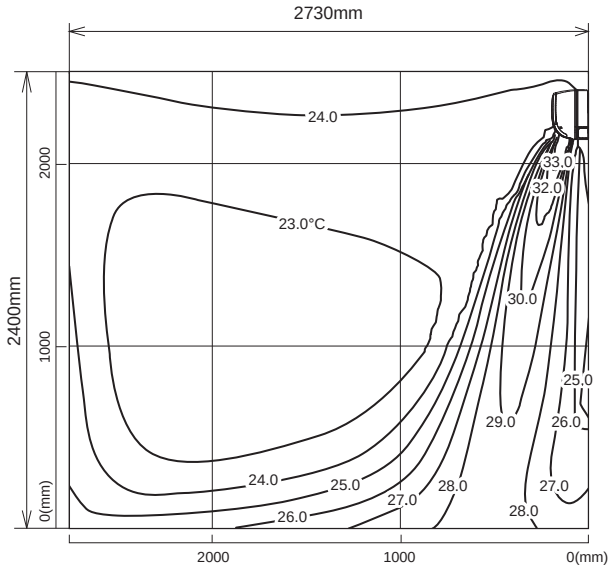
MSZ-SF20VA

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

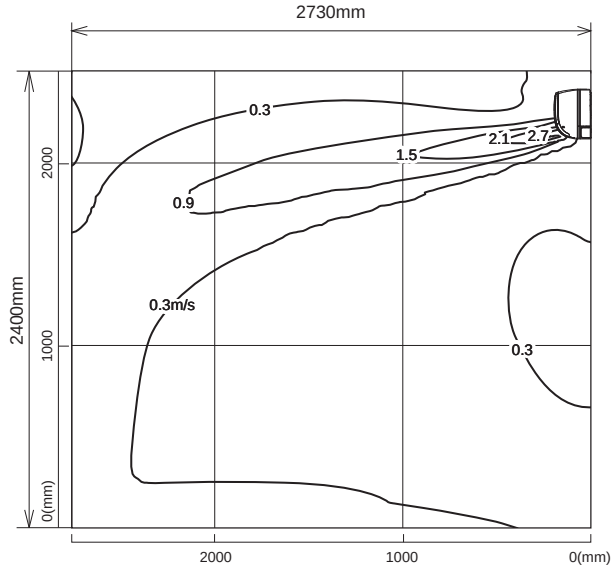


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

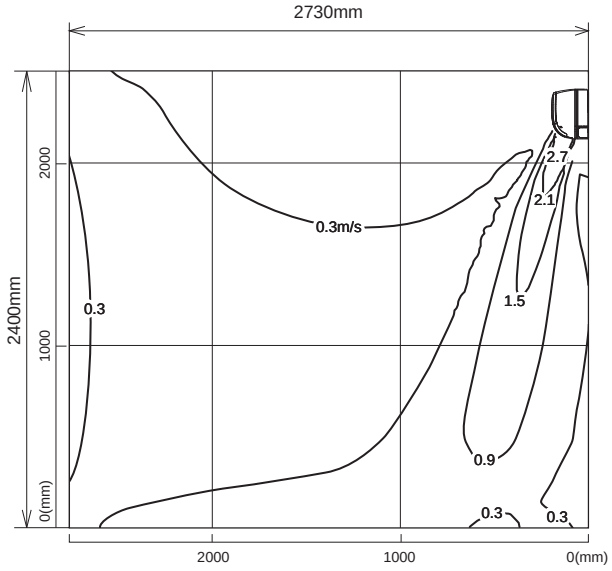


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

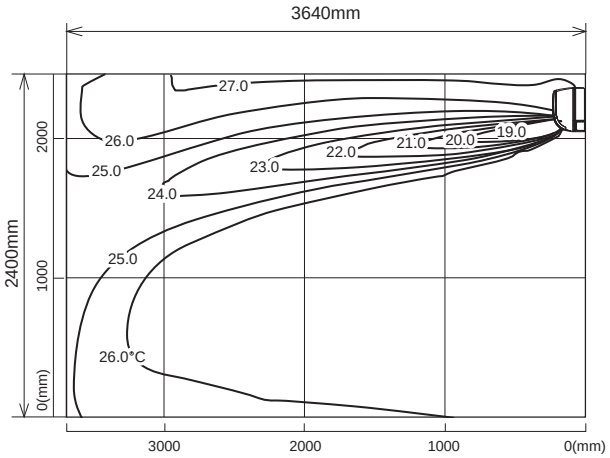


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

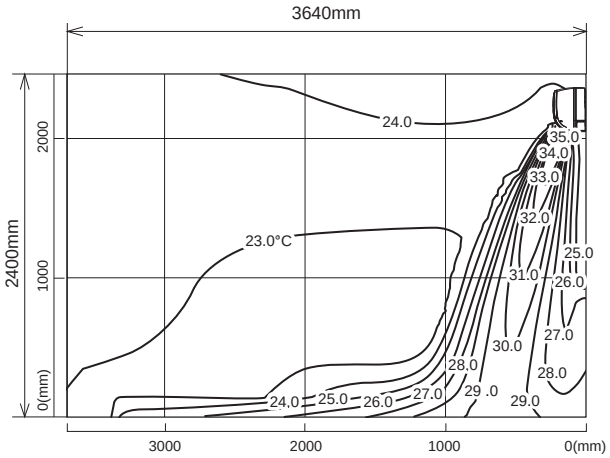
MSZ-SF25VE3

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

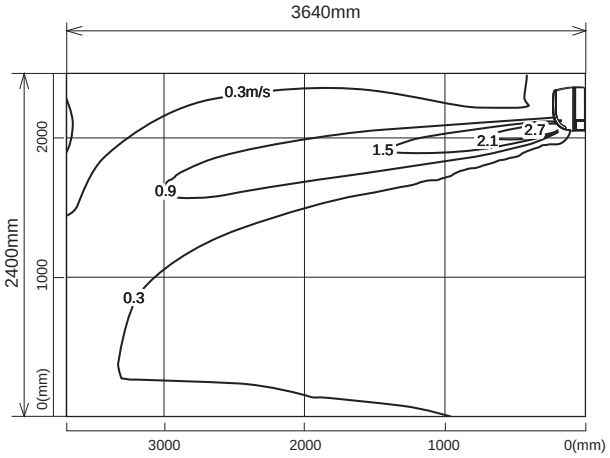


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

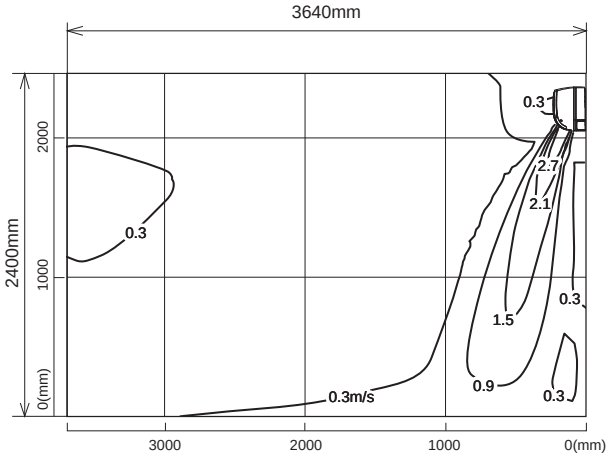


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

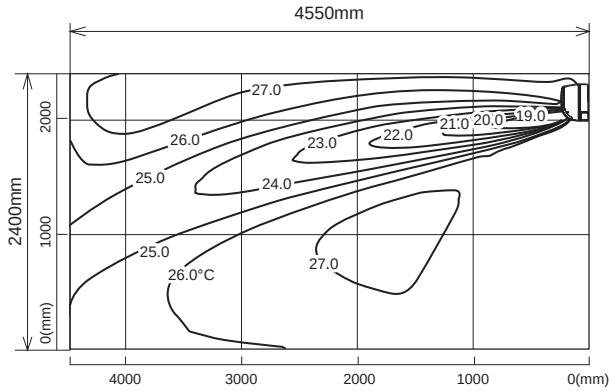


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

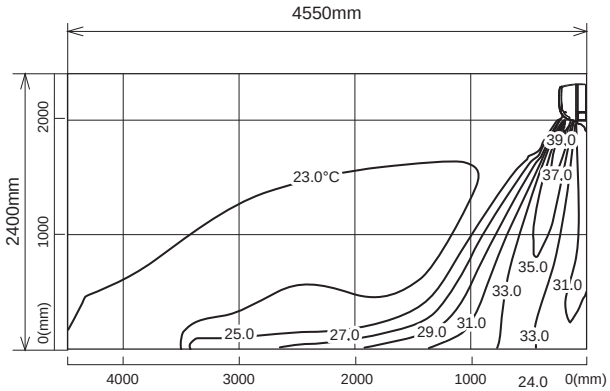
MSZ-SF35VE3

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

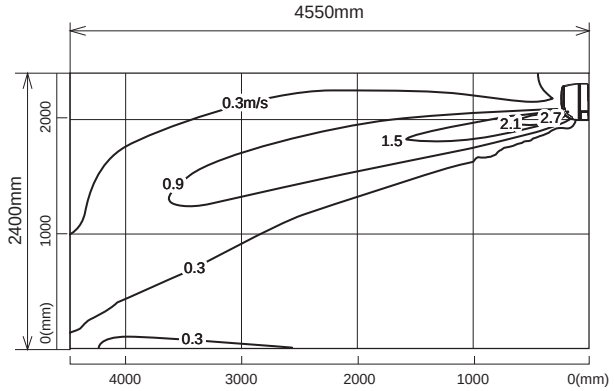


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

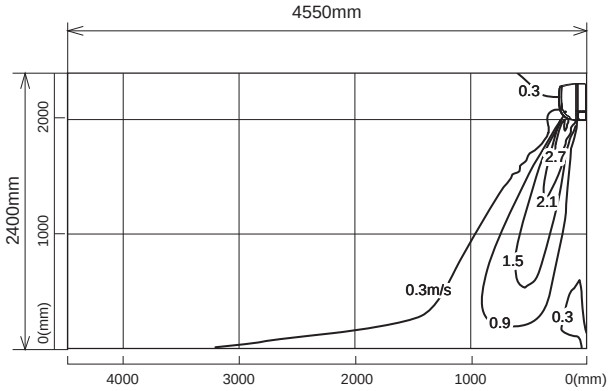


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

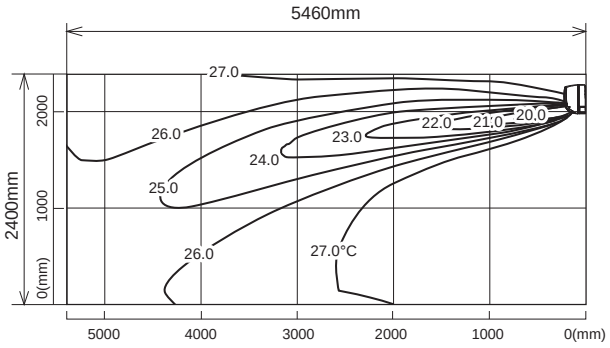


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

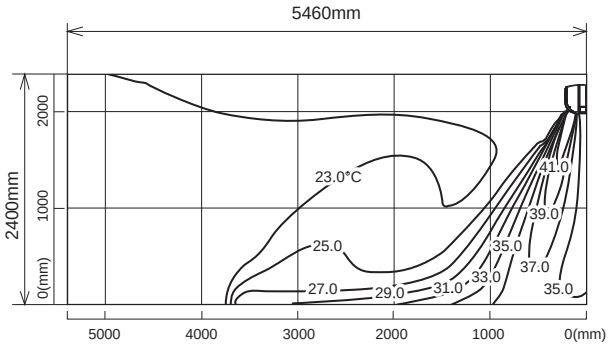
MSZ-SF42VE3

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

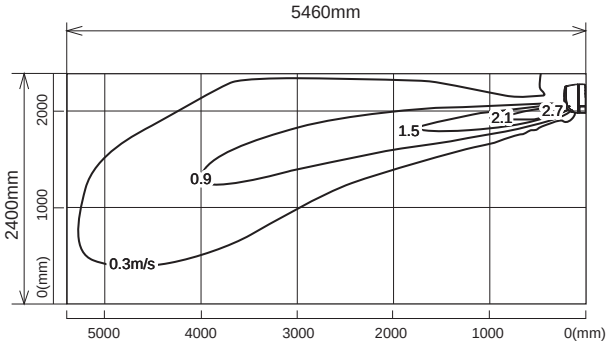


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

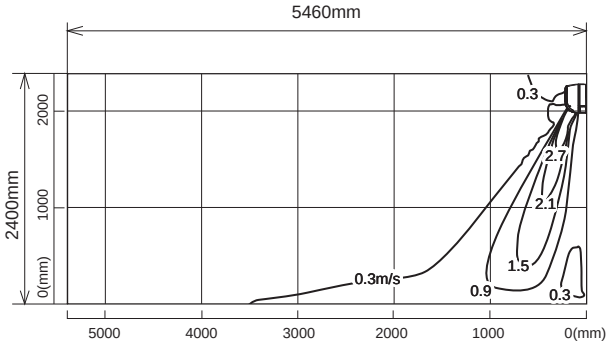


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

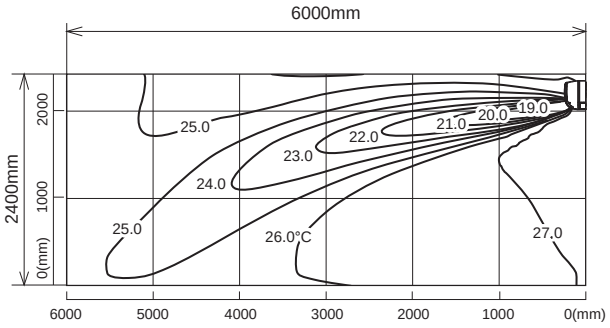


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

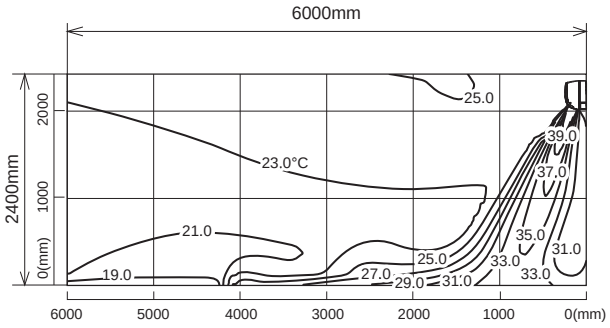
MSZ-SF50VE3

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

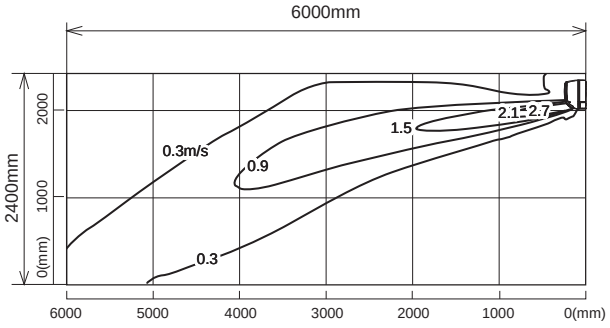


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

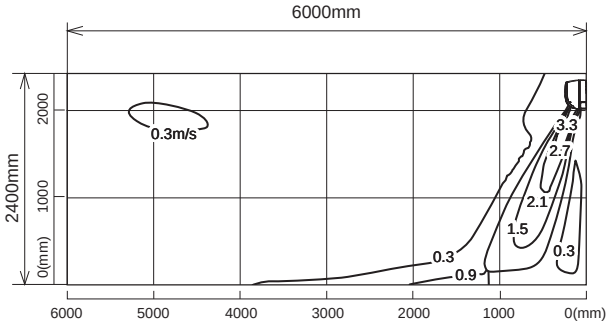


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

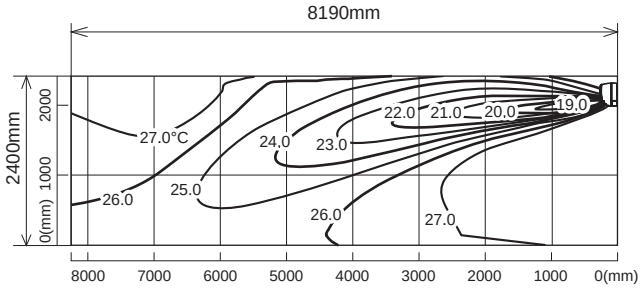


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

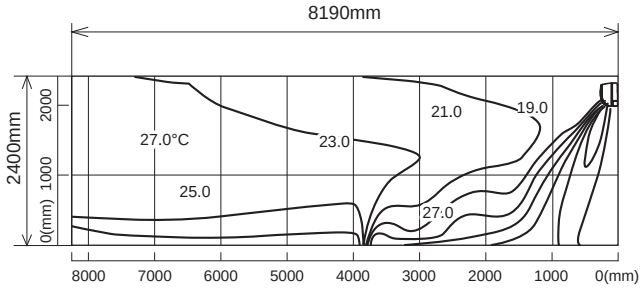
MSZ-GF60VE2

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

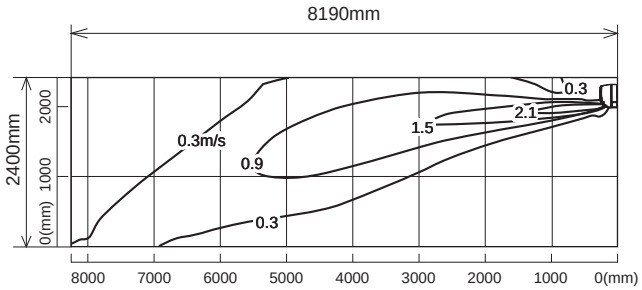


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

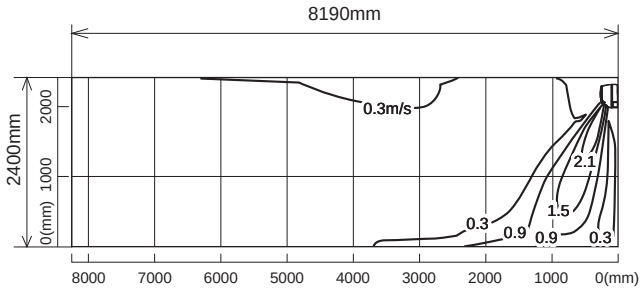


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

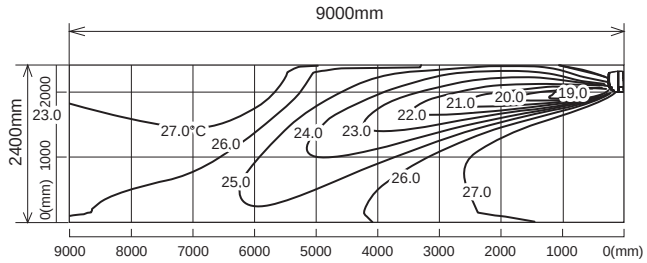


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

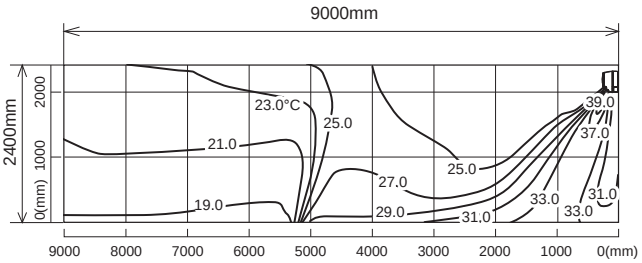
MSZ-GF71VE2

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

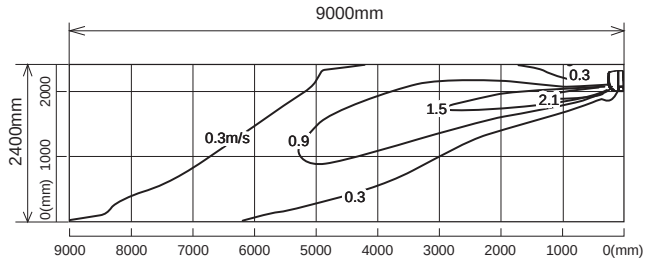


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

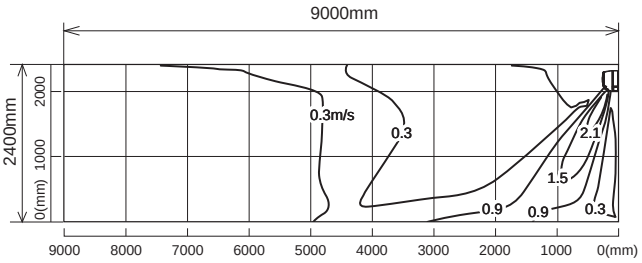


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

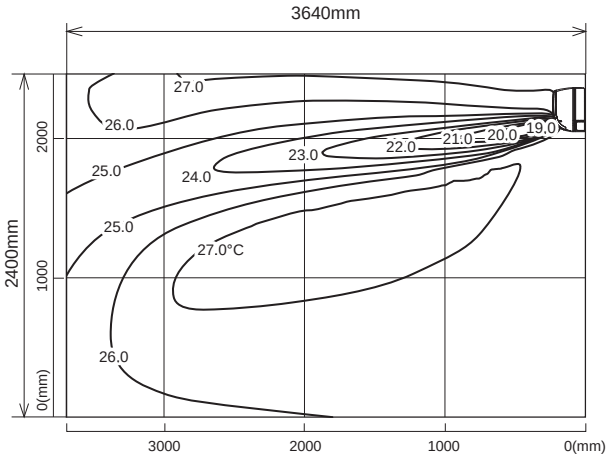


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

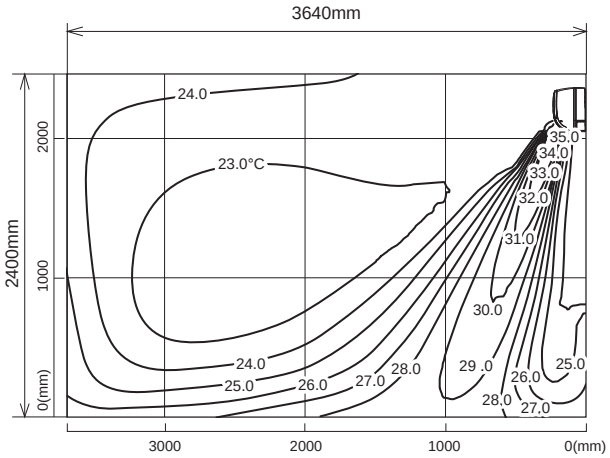
MSZ-WN25VA

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

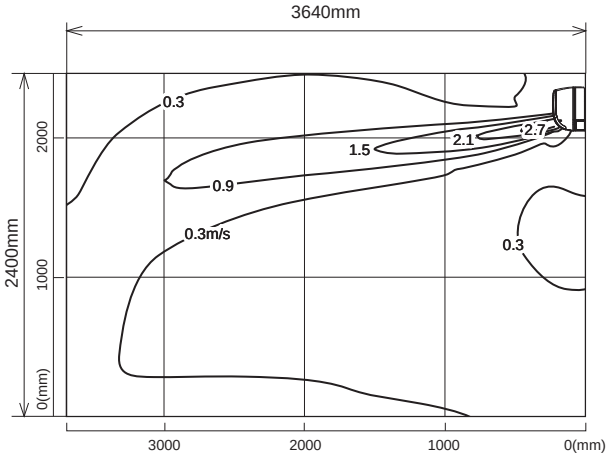


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

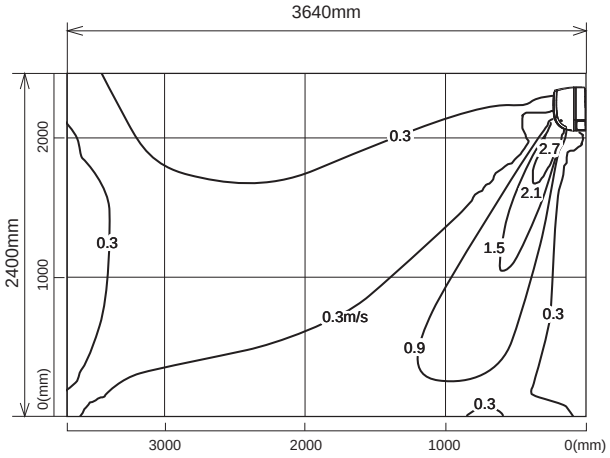


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

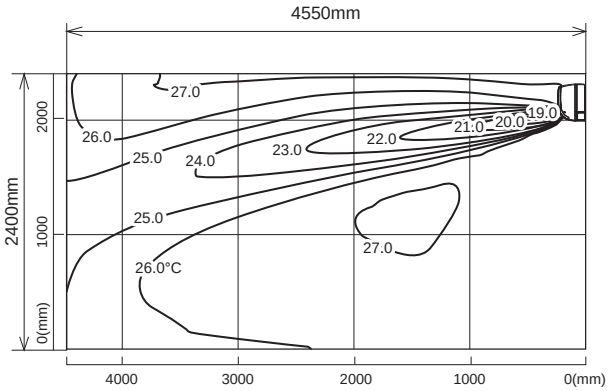


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

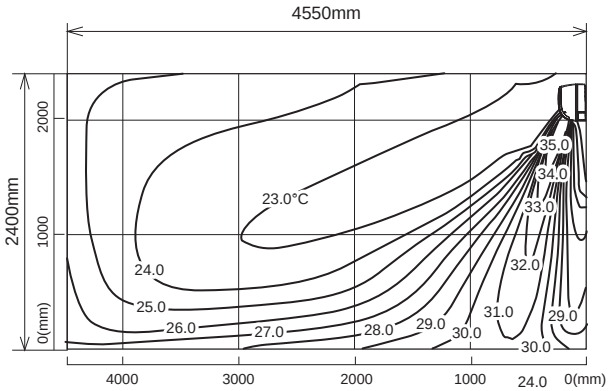
MSZ-WN35VA

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

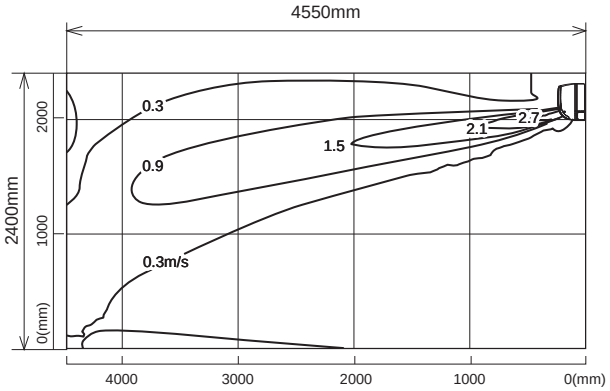


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

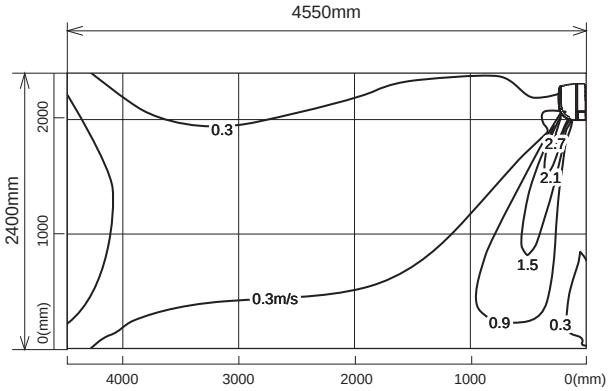


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

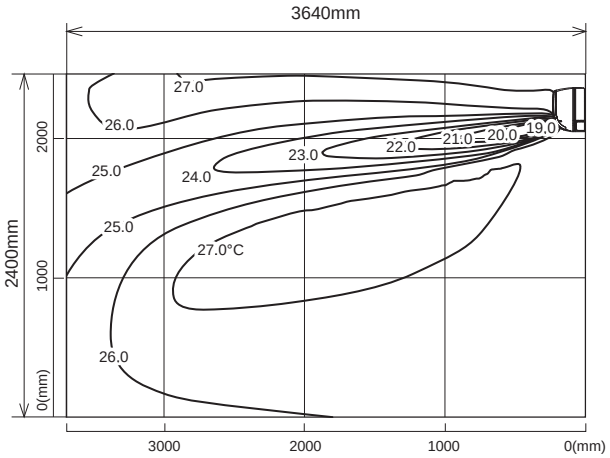


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

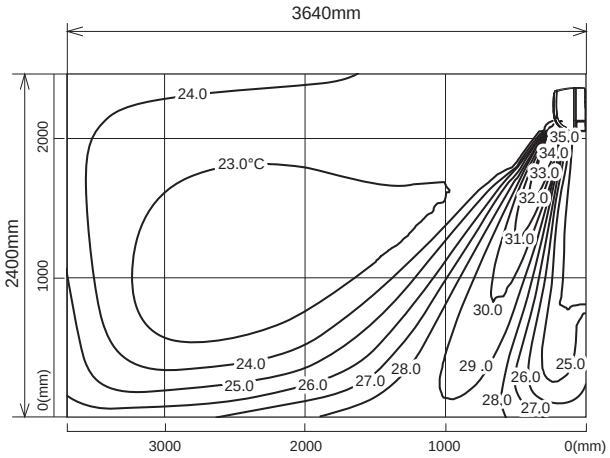
MSZ-DM25VA

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

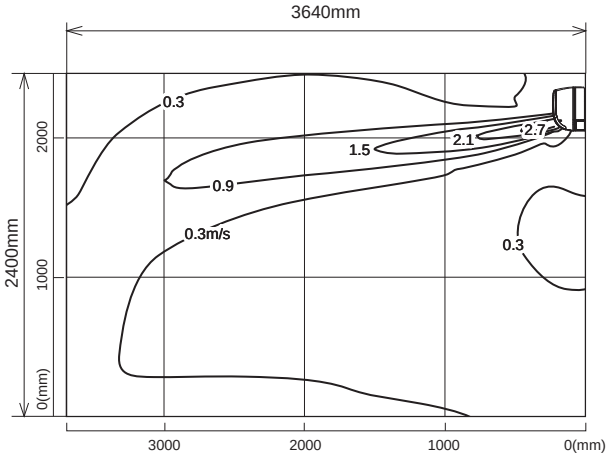


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

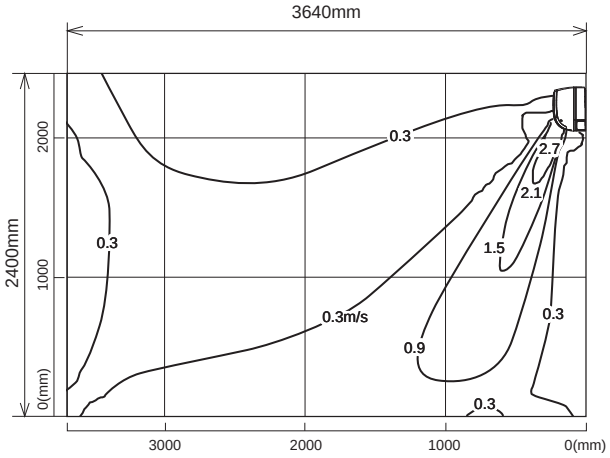


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

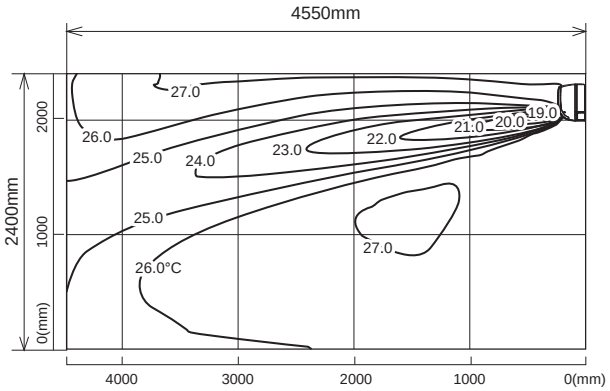


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

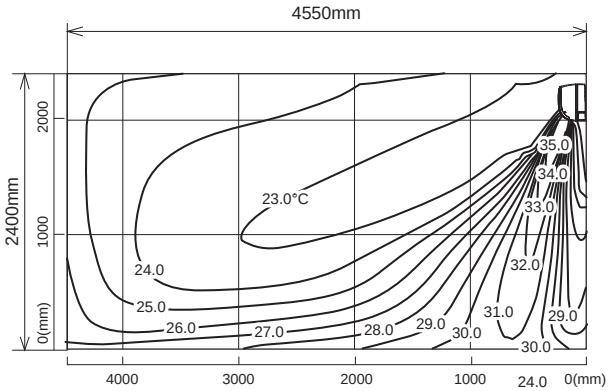
MSZ-DM35VA

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

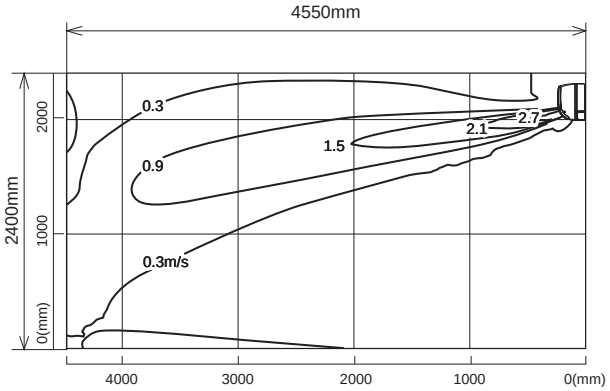


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

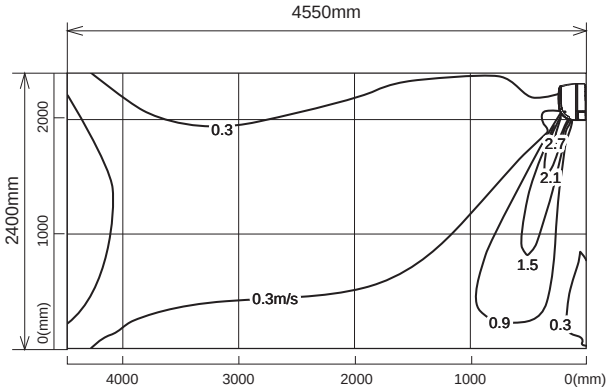


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

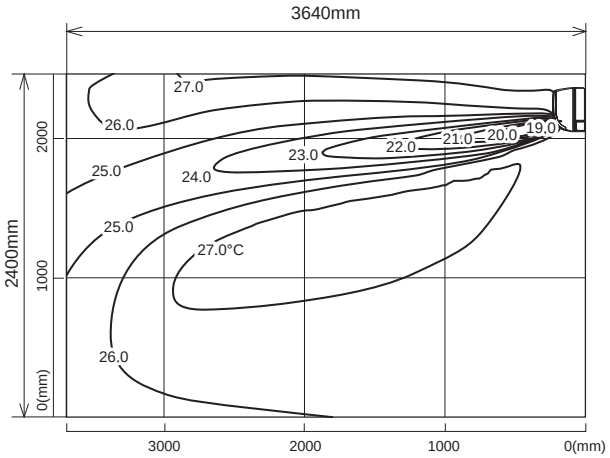


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

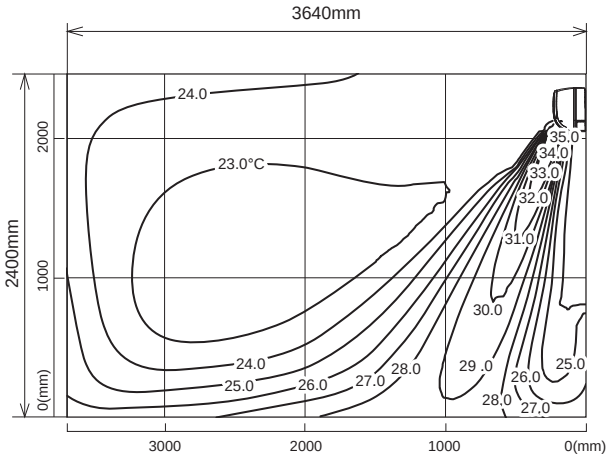
MSZ-HJ25VA

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

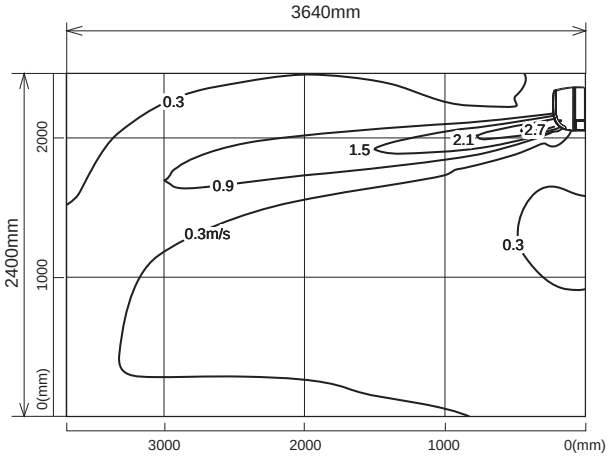


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

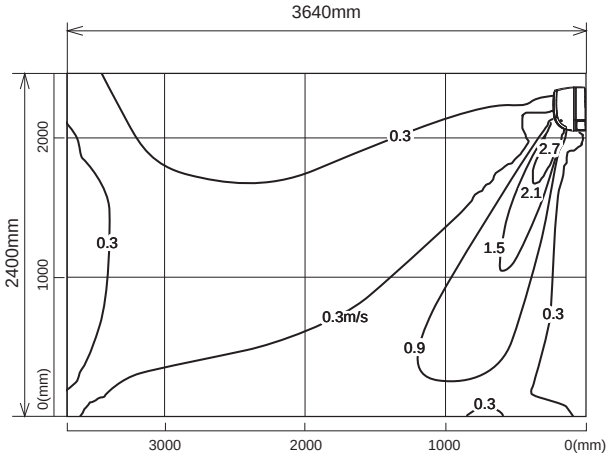


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

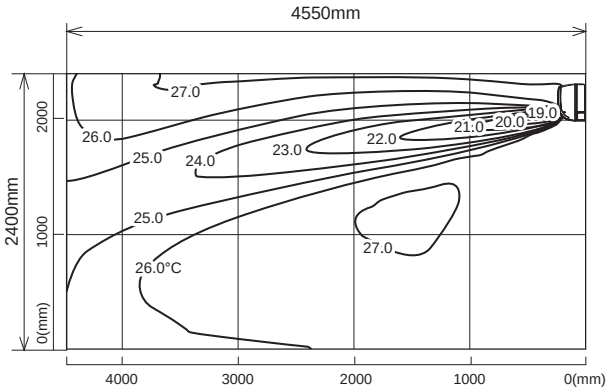


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

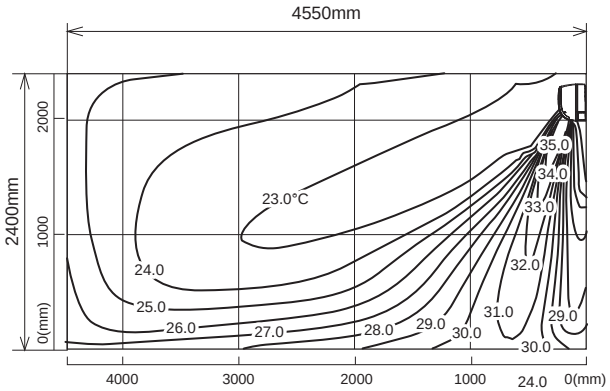
MSZ-HJ35VA

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

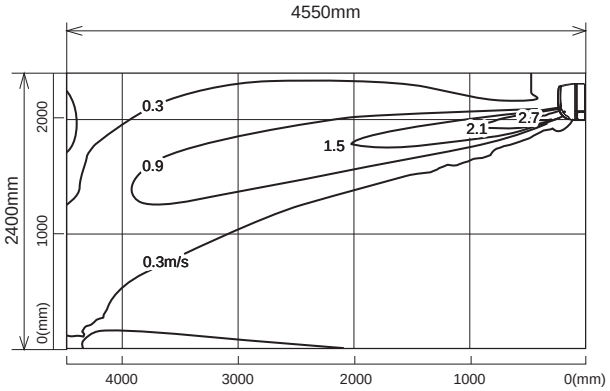


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

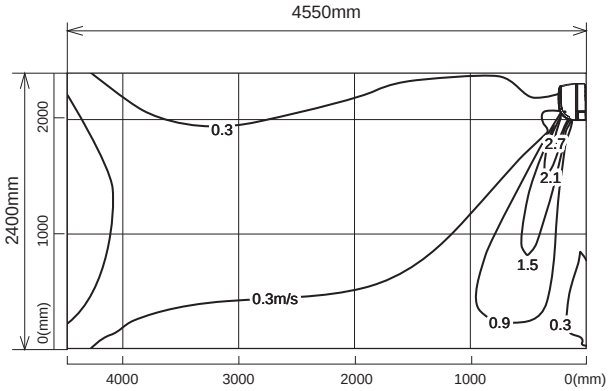


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

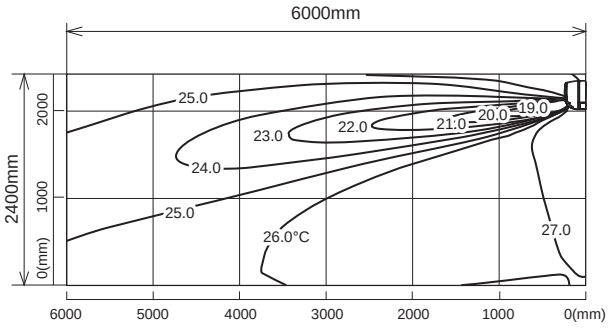


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

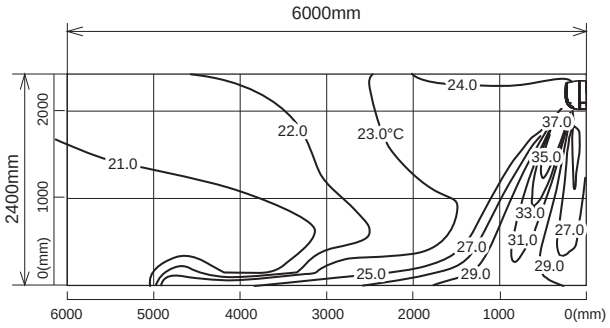
MSZ-HJ50VA

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

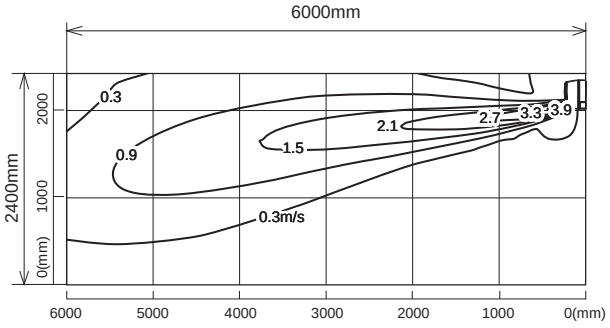


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

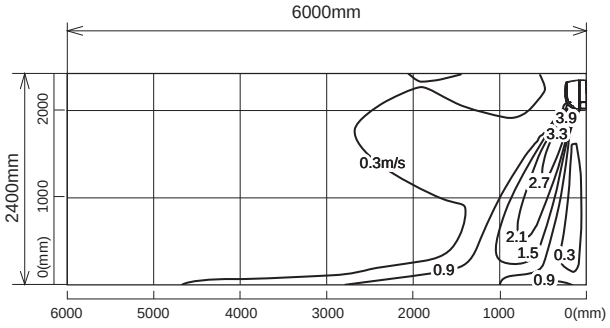


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

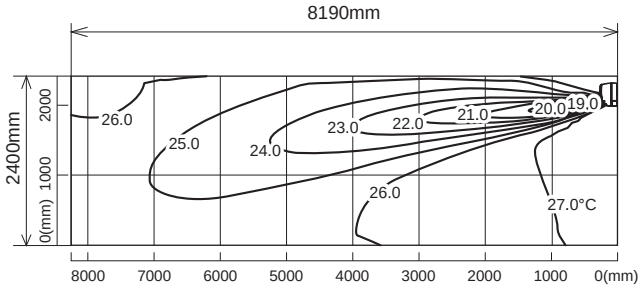


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

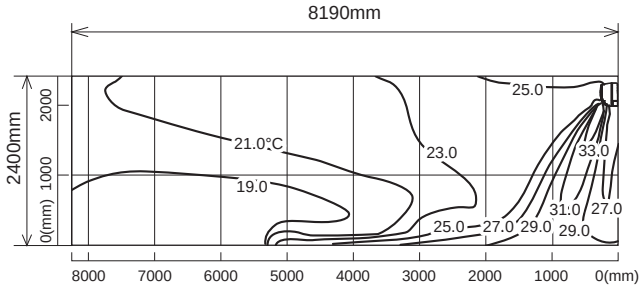
MSZ-HJ60VA

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

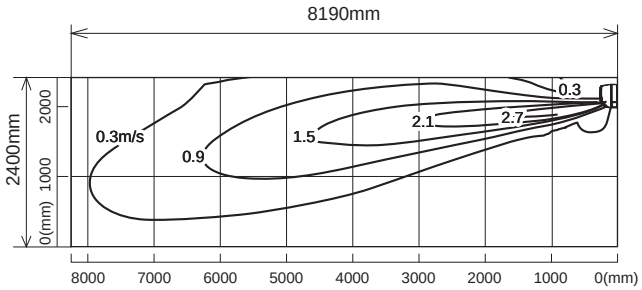


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

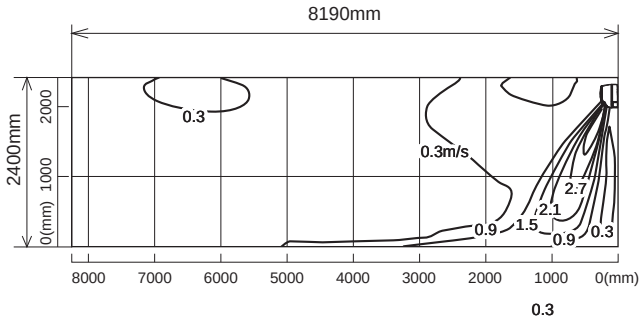


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

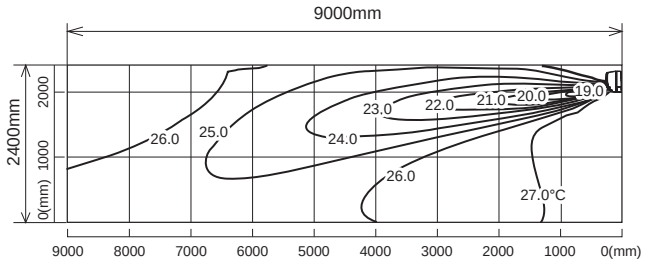


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

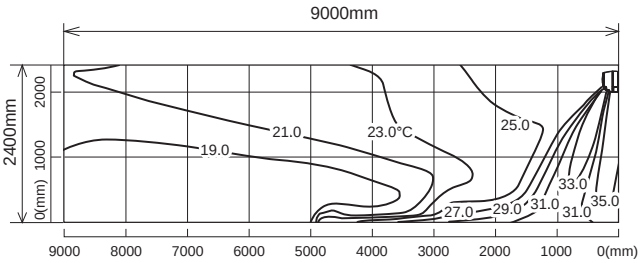
MSZ-HJ71VA

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

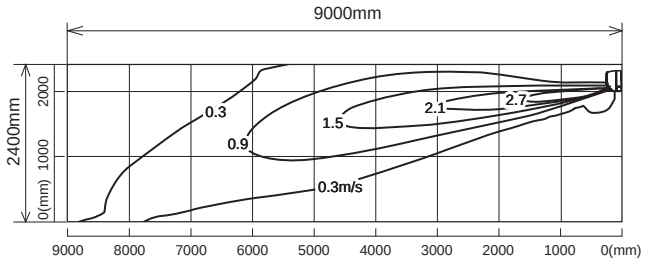


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

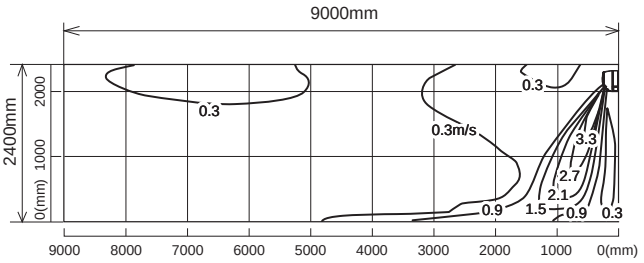


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)



Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

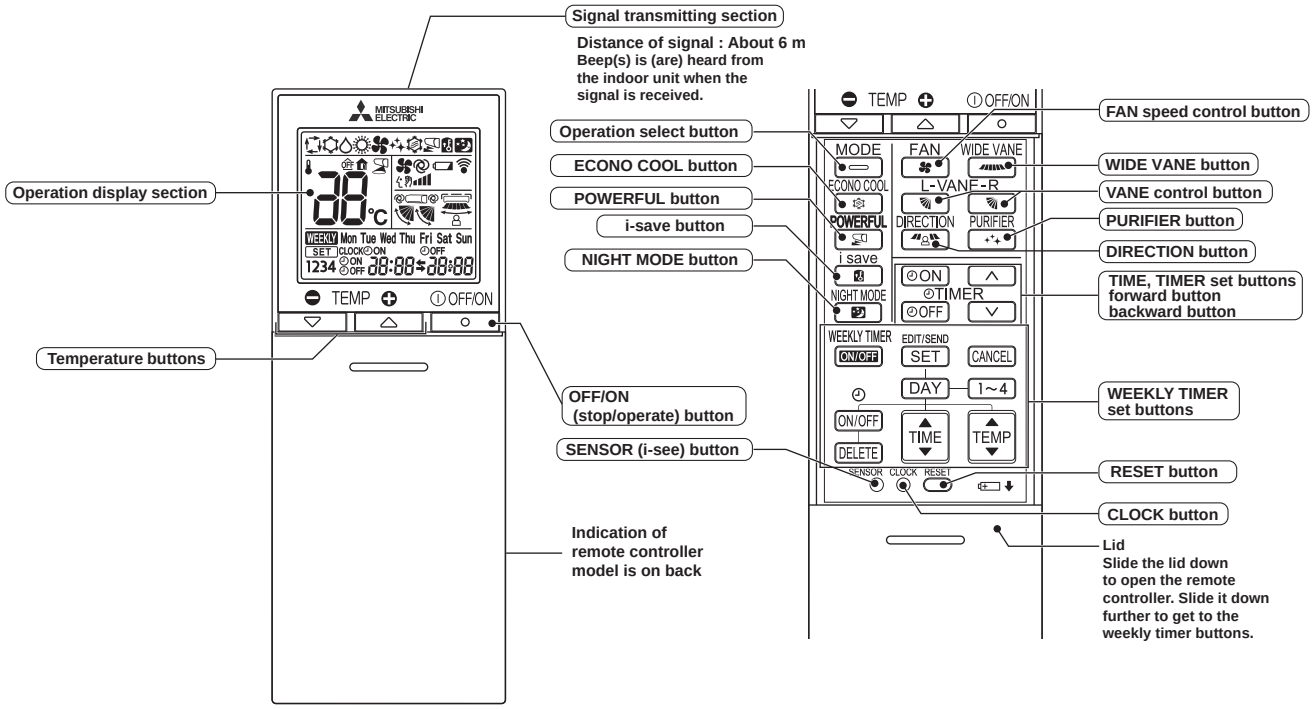
C.1.9 OPERATION AND ACTUATOR CONTROL

C.1.9.1 MSZ-LN•VG2 Series

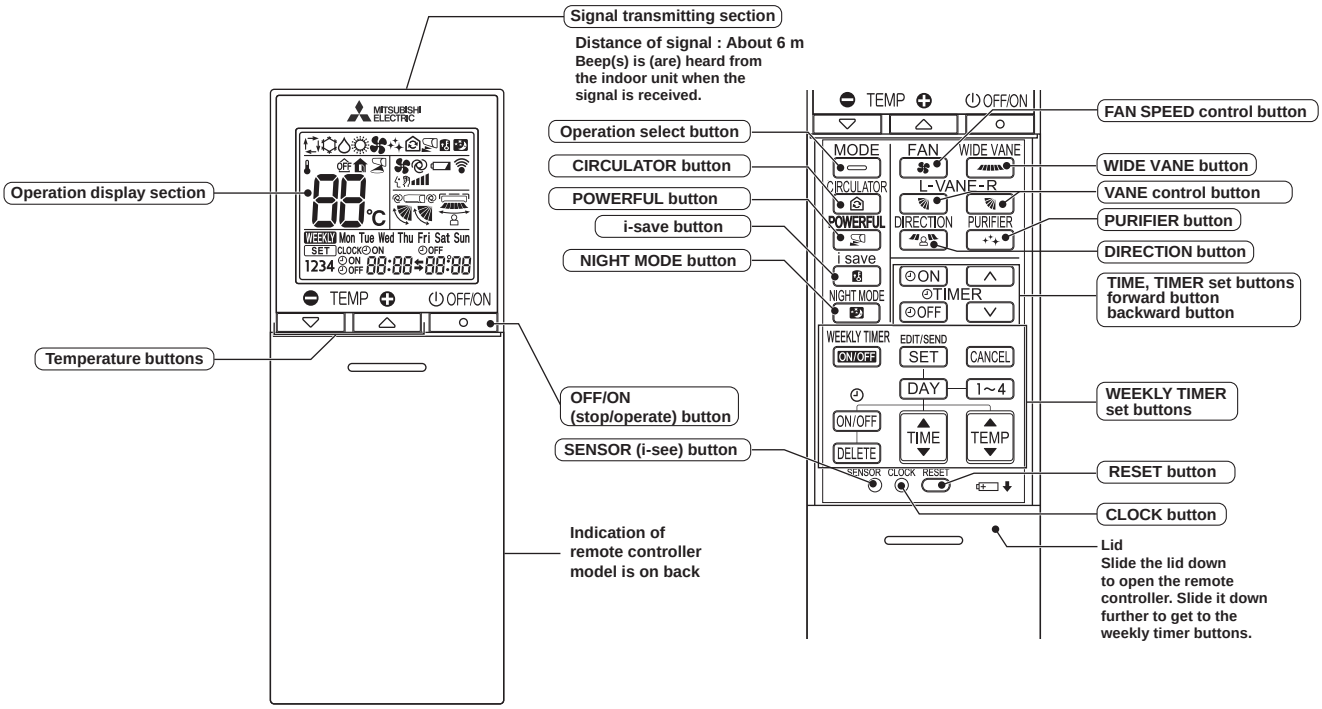
MSZ-LN18VG2W	MSZ-LN25VG2W	MSZ-LN35VG2W	MSZ-LN50VG2W	MSZ-LN60VG2W
MSZ-LN18VG2V	MSZ-LN25VG2V	MSZ-LN35VG2V	MSZ-LN50VG2V	MSZ-LN60VG2V
MSZ-LN18VG2B	MSZ-LN25VG2B	MSZ-LN35VG2B	MSZ-LN50VG2B	MSZ-LN60VG2B
MSZ-LN18VG2R	MSZ-LN25VG2R	MSZ-LN35VG2R	MSZ-LN50VG2R	MSZ-LN60VG2R
MUZ-LN25VG2	MUZ-LN35VG2	MUZ-LN50VG2		
MUZ-LN25VGHZ2	MUZ-LN35VGHZ2			

WIRELESS REMOTE CONTROLLER

MSZ-LN18VG2W- E1	MSZ-LN25VG2W- E1	MSZ-LN35VG2W- E1	MSZ-LN50VG2W- E1	MSZ-LN60VG2W- E1
MSZ-LN18VG2V- E1	MSZ-LN25VG2V- E1	MSZ-LN35VG2V- E1	MSZ-LN50VG2V- E1	MSZ-LN60VG2V- E1
MSZ-LN18VG2B- E1	MSZ-LN25VG2B- E1	MSZ-LN35VG2B- E1	MSZ-LN50VG2B- E1	MSZ-LN60VG2B- E1
MSZ-LN18VG2R- E1	MSZ-LN25VG2R- E1	MSZ-LN35VG2R- E1	MSZ-LN50VG2R- E1	MSZ-LN60VG2R- E1
MUZ-LN25VG2	MUZ-LN35VG2	MUZ-LN50VG2		
MUZ-LN25VGHZ2	MUZ-LN35VGHZ2			



MSZ-LN18VG2W- EN1 **MSZ-LN25VG2W-** EN1 **MSZ-LN35VG2W-** EN1 **MSZ-LN50VG2W-** EN1
MSZ-LN18VG2V- EN1 **MSZ-LN25VG2V-** EN1 **MSZ-LN35VG2V-** EN1 **MSZ-LN50VG2V-** EN1
MSZ-LN18VG2B- EN1 **MSZ-LN25VG2B-** EN1 **MSZ-LN35VG2B-** EN1 **MSZ-LN50VG2B-** EN1
MSZ-LN18VG2R- EN1 **MSZ-LN25VG2R-** EN1 **MSZ-LN35VG2R-** EN1 **MSZ-LN50VG2R-** EN1
MUZ-LN25VG2 **MUZ-LN35VG2** **MUZ-LN50VG2**
MUZ-LN25VGHZ2 **MUZ-LN35VGHZ2** **MUZ-LN50VGHZ2**



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☼	Standby mode (Only during multi system operation)	—

☀ Lit
☼ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press OFF/ON (stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with Operation select button.
(3) Press Temperature buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 16 - 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation

When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

3. Indoor fan speed control

When the thermostat turns OFF, the indoor fan operates very Low to reduce power consumption.
When the room temperature rises and the thermostat is ON, the indoor fan operates according to the settings on the remote controller.

b. DRY (△) OPERATION

(1) Press OFF/ON (stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with Operation select button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention
Coil frost prevention works the same way as that in COOL mode. (a.1.)

2. Low outside temperature operation
Low outside temperature operation works the same way as that in COOL mode. (a.2.)

3. Indoor fan speed control
Indoor fan speed control works the same way as that in COOL mode. (a.3.)

c. FAN (✾) OPERATION

(1) OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select FAN mode with Operation select button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates.
Outdoor unit does not operate.

d. HEAT (☼) OPERATION

(1) Press OFF/ON (stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with Operation select button.
(3) Press Temperature buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 10 - 31°C.

1. Cold air prevention control
When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection
The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting
Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor re-starts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

e. AUTO CHANGE OVER ··· AUTO MODE OPERATION

Once desired temperature is set, unit operation is switched automatically between COOL and HEAT operation.

Mode selection

(1) Initial mode
When unit starts the operation with AUTO operation from OFF:
- If the room temperature is higher than the set temperature, operation starts in COOL mode.
- If the room temperature is equal to or lower than the set temperature, operation starts in HEAT mode.

(2) Mode change
COOL mode changes to HEAT mode when about 15 minutes have passed with the room temperature 1°C below the set temperature.
HEAT mode changes to COOL mode when about 15 minutes have passed with the room temperature 1°C above the set temperature.

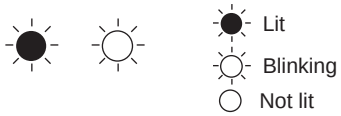
NOTE 1:
If 2 or more indoor units are operating in multi system, there might be a case that the indoor unit, which is operating in ▭ (AUTO), cannot change over to the other operating mode (COOL ↔ HEAT) and becomes a state of standby. Refer to **NOTE 2 "FOR MULTI SYSTEM AIR CONDITIONER"**.

NOTE 2:
FOR MULTI SYSTEM AIR CONDITIONER
OUTDOOR UNIT: MXZ series

Multi system air conditioner can connect 2 or more indoor units with one outdoor unit.

- When you try to operate 2 or more indoor units with one outdoor unit simultaneously, one for the cooling and the others for heating, the operation mode of the indoor unit that operates first is selected. Other indoor units cannot operate, and operation indicator lamp blinks as shown in the figure below. In this case, please set all the indoor units to the same operation mode.

OPERATION INDICATOR



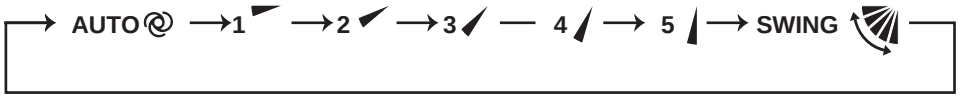
- When indoor unit starts the operation while the defrosting of outdoor unit is being done, it takes a few minutes (max. 10 minutes) to blow out the warm air.
- In the heating operation, though indoor unit that does not operate may get warm or the sound of refrigerant flowing may be heard, they are not malfunction. The reason is that the refrigerant continuously flows into it.

f. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive
These models are equipped with stepping motors for the horizontal vanes. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL (L-VANE-R) button.



NOTE: The right and left horizontal vanes set to the same level may not align perfectly.

(3) Positioning
To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.
Confirmation of standard position is performed in the following cases:
(a) When the operation starts or finishes (including timer operation).
(b) When the test run starts.
(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO (@) mode
In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 4.

(5) STOP (operation OFF) and ON TIMER standby
In the following cases, the horizontal vane returns to the closed position.
(a) When OFF/ON (stop/operate) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) Dew prevention
During COOL or DRY operation with the lower position when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 1 for dew prevention.

(7) SWING ( ) mode

By selecting SWING mode with VANE control button, the horizontal vanes swing vertically.
When COOL, DRY or FAN mode is selected, only the upper vane swings.

(8) Cold air prevention in HEAT operation

The horizontal vane position is set to Upward.

NOTE: When 2 or more indoor units are operated with multi outdoor unit, even if any indoor unit turns thermostat off, this control does not work in the indoor unit.

(9) ECONO COOL ( ) operation (ECONOmical operation)

When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 2°C higher by the microprocessor. However, the temperature on the LCD screen on the remote controller is not changed. Also the horizontal vane swings in various cycle.

SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.

To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, VANE control, LONG or POWERFUL button.

(10) POWERFUL ( ) operation

The air conditioner automatically adjusts the fan speed and the set temperature, and operates the POWERFUL mode. The POWERFUL mode is cancelled automatically 15 minutes after operation starts, or when POWERFUL button is pressed once again within 15 minutes after operation starts. The operation mode returns to the mode prior to POWERFUL operation. To cancel this operation manually, select a different mode or press one of the following buttons within 15 minutes after operation starts: OFF/ON (stop/operate), ECONO COOL, FAN SPEED control, CIRCULATOR, or i-save button.

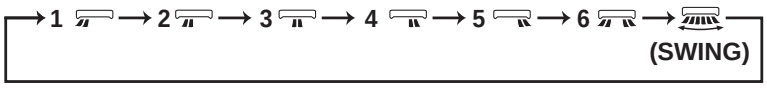
2. Vertical vane

(1) Vane motor drive

These models are equipped with a stepping motor for the vertical vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from microprocessor.

(2) The vertical vane angle and mode change as follows by pressing WIDE VANE button.

(3) Positioning



To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

Confirmation of standard position is performed in the following cases:

(a) OFF/ON (stop/operate) button is pressed (POWER ON).

(4) SWING ( ) MODE

By selecting SWING mode with WIDE VANE button, the vertical vane swings horizontally. The remote controller displays " ". Swing mode is cancelled when WIDE VANE button is pressed once again.

g. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.

NOTE: Timer operation will not work without setting the current time. Initially “0:00” blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK button.

How to set the current time

(a) Press the CLOCK button.

(b) Press the TIME set buttons (∧ and ∨) to set the current time.

- Each time forward button (∧) is pressed, the set time increases by 1 minute, and each time backward button (∨) is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK set button.

(2) Press OFF/ON (stop/operate) button to start the air conditioner.

(3) Set the time of timer.

ON timer setting

(a) Press ON TIMER button(ON) during operation.

(b) Set the time of the timer using TIME set buttons (∧ and ∨).*

OFF timer setting

(a) Press OFF TIMER button (OFF) during operation.

(b) Set the time of the timer using TIME set buttons (∧ and ∨). *

*Each time forward button (∧) is pressed, the set time increases by 10 minutes: each time backward button (∨) is pressed, the set time decreases by 10 minutes.

2. To release the timer

To release ON timer, press ON TIMER button (ON).

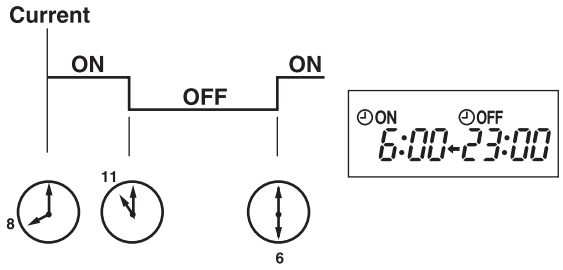
To release OFF timer, press OFF TIMER button(OFF).

TIMER is cancelled and the display of set time disappears.

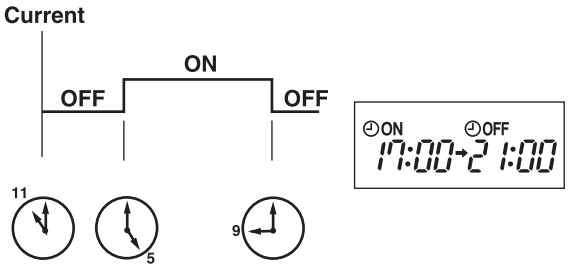
PROGRAM TIMER

- OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
- “➡” and “⬅” display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns off at 11:00 PM, and on at 6:00 AM.



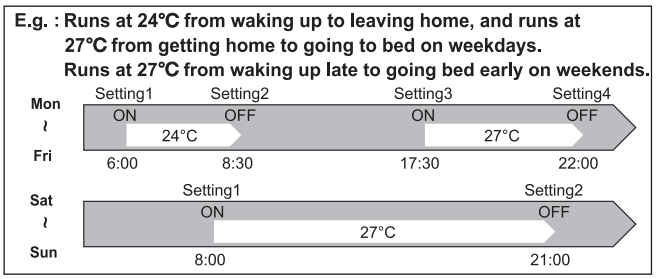
(Example 2) The current time is 11:00 AM.
The unit turns on at 5:00 PM, and off at 9:00 PM.



NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

h. WEEKLY TIMER OPERATION

• A maximum of 4 ON or OFF timers can be set for individual days of the week.
• A maximum of 28 ON or OFF timers can be set for a week.



NOTE:
• The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.

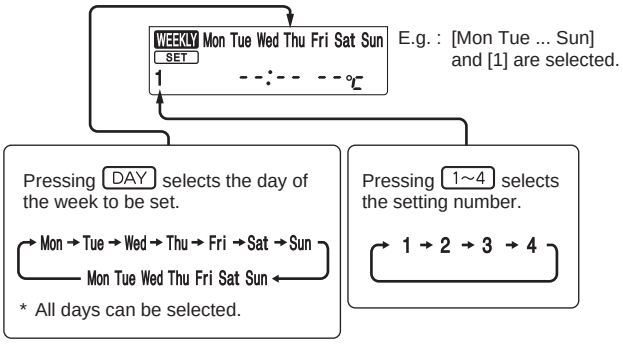
1. How to set the weekly timer

* Make sure that the current time and day are set correctly.

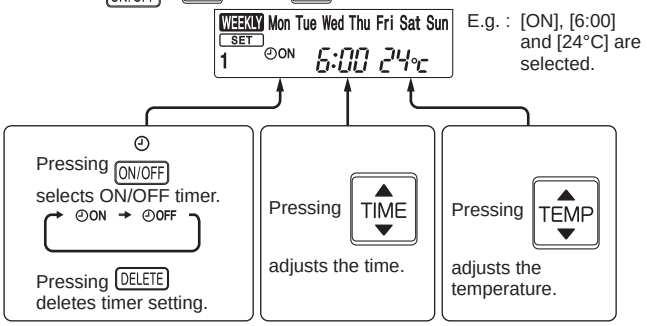
(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

* SET blinks.

(2) Press DAY and 1~4 buttons to select setting day and number.



(3) Press ON/OFF , TIME , and TEMP buttons to set ON/OFF, time, and temperature.



* Hold down the button to change the time quickly.
* The temperature can be set between 16°C and 31°C at COOL operation.
* The temperature can be set between 10°C and 31°C at HEAT operation.

Press DAY and 1~4 buttons to continue setting the timer for other days and/or numbers.

(4) Press EDIT/SEND SET button to complete and transmit the weekly timer setting.

* SET which was blinking goes out, and the current time will be displayed.

NOTE:

- Press EDIT/SEND SET button to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
- When setting the timer for more than one day of the week or one number, EDIT/SEND SET button does not have to be pressed per each setting. Press EDIT/SEND SET button once after all the settings are completed. All the weekly timer settings will be saved.
- Press EDIT/SEND SET button to enter the weekly timer setting mode, and press and hold DELETE button for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

(5) Press WEEKLY TIMER ON/OFF button to turn the weekly timer ON. (WEEKLY lights.)

•When the weekly timer is ON, the day of the week whose timer setting is completed, will light.

Press WEEKLY TIMER ON/OFF button again to turn the weekly timer OFF. (WEEKLY goes out.)

NOTE:

The saved settings will not be cleared when the weekly timer is turned OFF.

2. Checking weekly timer setting

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

*SET blinks.

(2) Press DAY or 1~4 buttons to view the setting of the particular day or number.

(3) Press CANCEL button to exit the weekly timer setting.

NOTE:

When all days of the week are selected to view the settings and a different setting is included among them, --:-- --℃ will be displayed.

i. i-see CONTROL (🪟) MODE AND ABSENCE DETECTION

In the i-see control mode, the room temperature is controlled based on the sensible temperature.

(1) Press SENSOR button with a thin instrument during COOL, DRY, HEAT and AUTO mode to activate i-see control mode (🪟). The default setting is “active”.

(2) Press SENSOR button several times to cancel i-see control mode.

NOTE:

How to detect human presence

- When the air conditioner starts to operate, the i-see Sensor analyzes the temperature of a room by rotating clockwise and counterclockwise.
- Then, it detects human presence by their motion based on their heat signatures.

Detection range

The i-see Sensor does not analyze the temperature in the following range.

- The wall surface on which the air conditioner is installed
- The spot beneath the air conditioner
- Where there is an object (such as furniture) between the place and the air conditioner

It might not detect human and objects properly on the following conditions

- When the temperature of the floor and the wall is high (such as when the air conditioner starts to operate in summer)
- When occupants are in blanket or wear heavily
- When there is an object whose temperature changes rapidly in a short time
- When windows and doors are small or they are far from the air conditioner
- When the sensor cannot detect the heat source such as of small kids or pets
- When using a floor heating or an electric carpet
- When occupants do not move after the air conditioner starts to operate

Refer to the following “Absence Detection” for 🏠 and OFF.

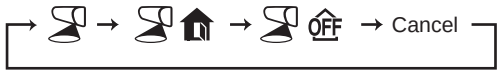
ABSENCE DETECTION ( )

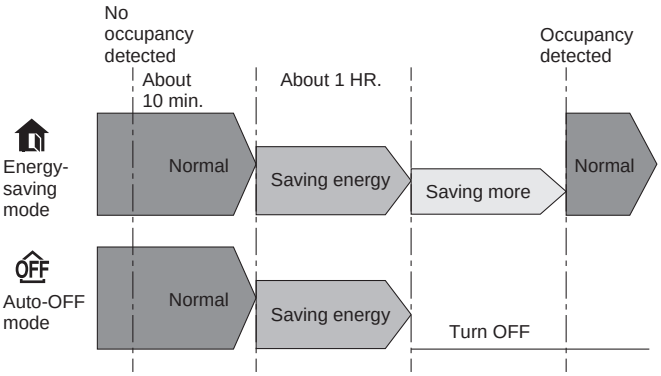
This function automatically changes the operation to No occupancy energy-saving mode or No occupancy Auto-OFF mode when nobody is in the room.

(1) To activate this No occupancy energy-saving mode, press SENSOR button until appears on the operation display of the remote controller.

(2) To activate this No occupancy Auto-OFF mode, press SENSOR button until OFF appears on the operation display of the remote controller.

(3) Press SENSOR button again to cancel the ABSENCE DETECTION.





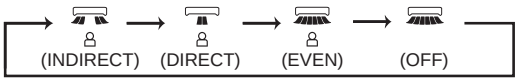
- Even if the unit is turned OFF due to No occupancy Auto-OFF mode, the display of the remote controller remains to indicate the unit is in operation. Press STOP/OPERATE(OFF/ON) button then press STOP/OPERATE(OFF/ON) button again to restart operation.
- When OFF timer is set, a priority is given to OFF timer.
- No occupancy energy saving mode or No occupancy Auto-OFF mode are not available during POWERFUL operation.
- The unit will not be turned off if no one is detected during normal operation mode, even though No occupancy Auto-OFF mode is activated.

j. AIRFLOW CONTROL MODE

AIRFLOW CONTROL mode offers air conditioning according to a location of an occupant in a room detected by i-see SENSOR.

(1) Press DIRECTION button during COOL, DRY, HEAT or AUTO mode to activate the AIRFLOW CONTROL mode. This mode is only available when the i-see control mode is effective.

(2) Each press of DIRECTION button changes AIRFLOW CONTROL in the following order:



(INDIRECT) : An occupant will be less exposed to direct airflow.

(DIRECT) : Mainly the vicinity of an occupant will be air-conditioned.

(EVEN) : The unit learns the area where an occupant spend most of the time, and evens out the temperature of that area.

NOTE:
- Horizontal and vertical airflow directions will be automatically selected.
- When more than a couple of people are in a room, the AIRFLOW CONTROL mode may work less effectively.
- If you still feel uncomfortable with the air direction determined by the INDIRECT mode, adjust the air direction manually.

(3) Cancelling the i-see control mode automatically cancels the AIRFLOW CONTROL mode.
- The AIRFLOW CONTROL mode is also cancelled when the VANE control or WIDE VANE buttons is pressed.

k. NIGHT MODE () OPERATION

NIGHT MODE changes the brightness of the operation indicator, disables the beep sound and limits the noise level of the outdoor unit.

(1) Press NIGHT MODE button during operation to activate NIGHT mode ().
- The operation indicator lamp dims.
- The beep sound will be disabled except that emitted when the operation is started or stopped.
- Noise level of the outdoor unit will be lower than that mentioned in SPECIFICATIONS.(Except the connection to **MXZ**.)

(2) Press NIGHT MODE button to cancel NIGHT mode ().

NOTE:
- Noise level of the outdoor unit may not change after startup of the unit, during the protection operation, or depending on other operating conditions.
- The fan speed of the indoor unit will not change.
- The operation indicator lamp will be hard to be seen in a bright room.
- Operating POWERFUL operation during NIGHT mode will increase the noise level of the outdoor unit.
- Noise level of the outdoor unit will not decrease during Multi system operation.

l. AIR PURIFYING () OPERATION

In the AIR PURIFYING operation, the indoor unit built-in device reduces airborne fungi, viruses, mold, and allergens.

(1) Press PURIFIER button to start AIR PURIFYING operation.
- AIR PURIFYING lamp turns on. (Display section)

(2) Press PURIFIER button again to cancel AIR PURIFYING operation.
- AIR PURIFYING lamp turns off. (Display section)

NOTE:
- Never touch the air purifying device during operation. Although the air purifying device is safety-conscious design, touching this device could be the cause of trouble as this device discharge high voltage electricity.
- A “hissing” sound may be heard during the air purifying operation. This sound is produced when plasma is being discharged. This is not a malfunction.
- AIR PURIFYING lamp does not turn on if the front panel is not closed completely.

m. i-save () OPERATION

1. How to set i-save operation

(1) Press OFF/ON (stop/operate) button.
(2) Select COOL, CIRCULATOR, HEAT, ECONO COOL, or NIGHT mode.
(3) Press i-save button.
(4) Set the temperature, fan speed, and airflow direction for i-save operation.

NOTE:
- i-save operation cannot be selected during DRY, FAN or AUTO mode operation.
- The setting range of HEAT mode i-save operation is 10 - 31°C.
- 2 groups of setting can be saved. (One for COOL/ECONO COOL/CIRCULATOR, one for HEAT)

2. How to cancel operation
- Press i-save button again.
- i-save operation can also be cancelled by pressing POWERFUL button or Operation select button to change the operation mode.
  The preferred setting can be saved for the next time with a single press of i-save button.

n. OPERATION LOCK

This function locks operation mode only. Other functions, such as OFF/ON, temperature setting, or airflow direction adjustment, are available.

(1) Hold down MODE button and VANE-R button simultaneously for 2 seconds while the unit is not operating to enable OPERATION LOCK.

The icon for the locked operation mode blinks.

(2) Hold down MODE button and VANE-R button simultaneously for 2 seconds again while the unit is not operating to disable OPERATION LOCK.

- The icon for the locked operation mode blinks when MODE button and VANE-R button are held down to enable or disable OPERATION LOCK or MODE button is pressed during operation while OPERATION LOCK is enabled.
- AIR PURIFYING operation is not available when OPERATION LOCK is enabled in a mode other than FAN mode.

o. CIRCULATOR OPERATION

In case the indoor temperature reaches the setting temperature, the outdoor unit stops and the indoor unit starts FAN operation to circulate the indoor air.
The setting of fan speed and airflow direction can be changed.
The outdoor unit starts operation automatically when the indoor temperature drops below the setting temperature.

(1) Press CIRCULATOR button during HEAT mode to enable CIRCULATOR operation.
The unit performs FAN operation in case the indoor temperature reaches the setting temperature.

(2) Set the fan speed and airflow direction.
- The setting of fan speed and airflow direction is common for HEAT and CIRCULATOR operation.
- Ventilation starts at Low fan speed in case AUTO fan speed is selected.

(3) Press CIRCULATOR button again to cancel CIRCULATOR operation.

NOTE:
CIRCULATOR operation doesn't work in the following situation.
- AUTO mode (Auto change over) is selected.
- Defrosting is being done.
- Indoor unit is connected to multi type outdoor unit.
  Although received sound will be heard from the indoor unit and mark is displayed on remote controller when is pushed, CIRCULATOR operation doesn't work in multi connection.
- FAN operation may make you feel cold wind.
  Reduce the FAN speed or adjust the airflow direction to avoid the wind.

p. EMERGENCY/TEST OPERATION

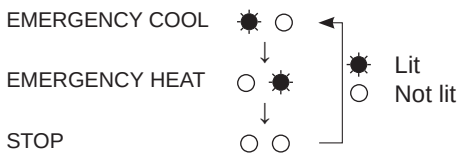
In the case of test run operation or emergency operation, use the emergency operation switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.
The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C.
The fan speed shifts to Med.
The coil frost prevention works even in the test run or the emergency operation.
In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.
Emergency operation continues until the emergency operation switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

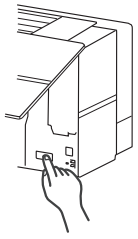
NOTE: Do not press the emergency operation switch during normal operation.

Operation mode	COOL/HEAT
Set temperature	24°C
Fan speed	Med.
Horizontal vane	Auto

The operation mode is indicated by the Operation Indicator lamp as following

Operation Indicator lamp





Emergency operation switch (E.O. SW)

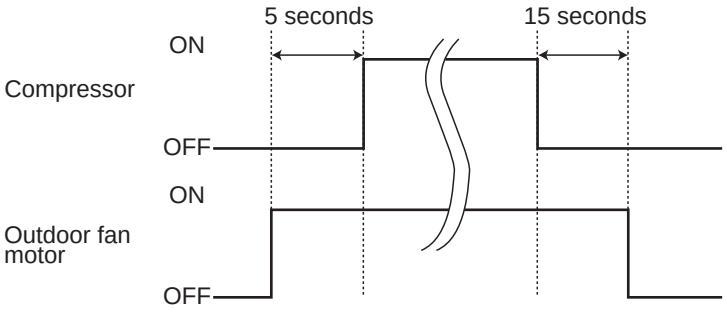
q. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

r. ACTUATOR CONTROL

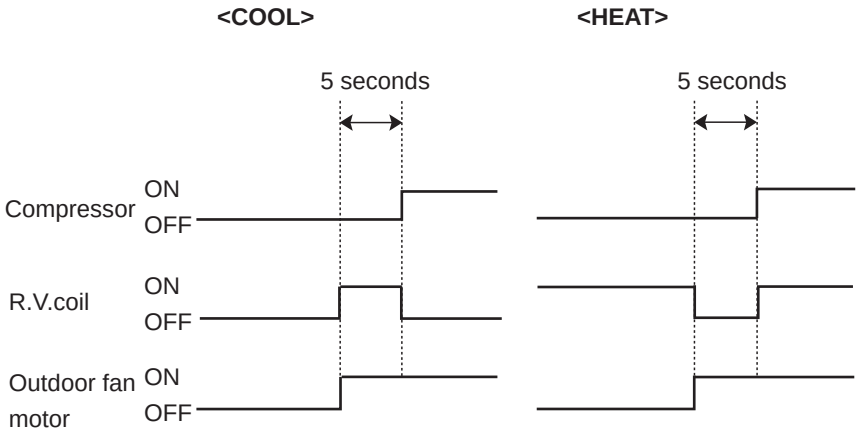
r-1. OUTDOOR FAN MOTOR CONTROL

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



r-2. R.V. COIL CONTROL

Heating · · · · · · · · · · · · · · · · · ON
Cooling · · · · · · · · · · · · · · · · · OFF
Dry · · · · · · · · · · · · · · · · · · · OFF
NOTE: The 4-way valve reverses for 5 seconds right before startup of the compressor.



r-3. RELATION BETWEEN MAIN SENSOR AND ACTUATOR

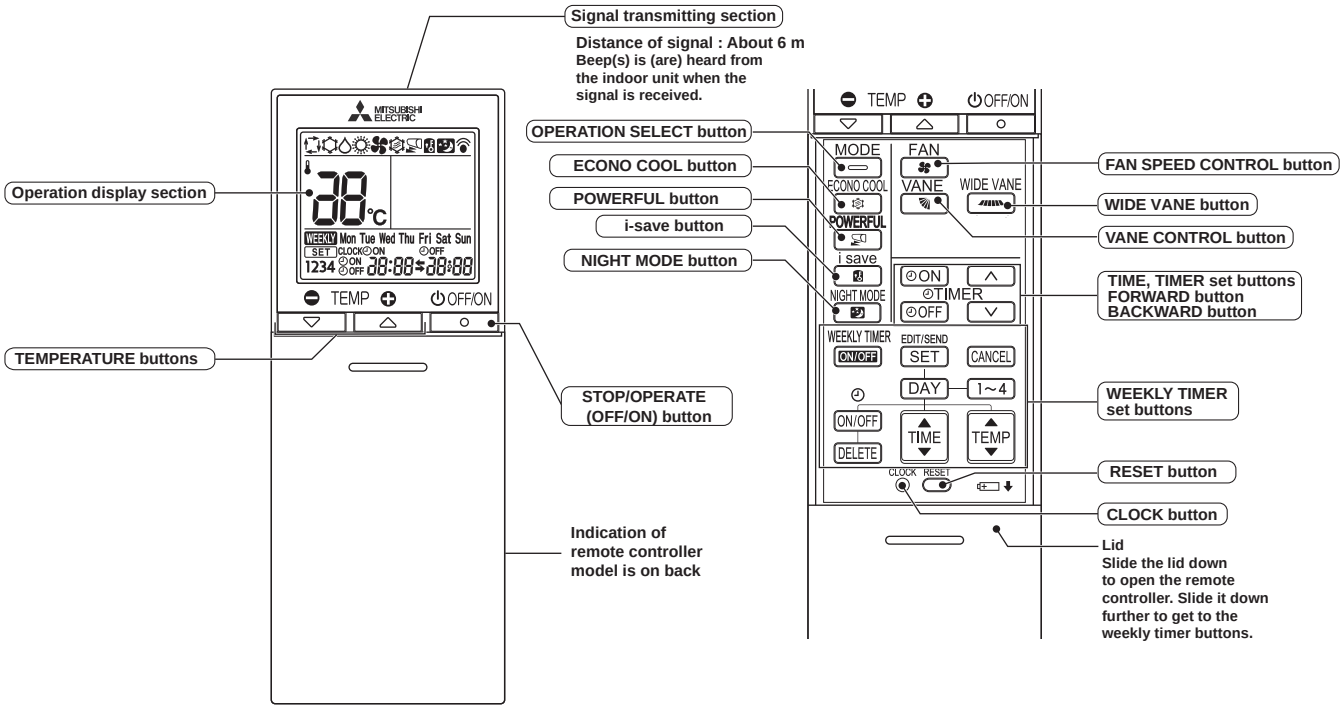
Sensor	Purpose	Actuator					
		Compressor	LEV	Outdoor fan motor	R.V. coil	Indoor fan motor	Defrost heater
Discharge temperature thermistor	Protection	○	○				
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○					
	Heating: High pressure protection	○	○				
Defrost thermistor	Heating: Defrosting	○	○	○	○	○	
Fin temperature thermistor	Protection	○		○			
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Heating: Defrosting (Heater)						○
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Cooling: High pressure protection	○	○	○			

C.1.9.2 MSZ-FT•VG/K Series

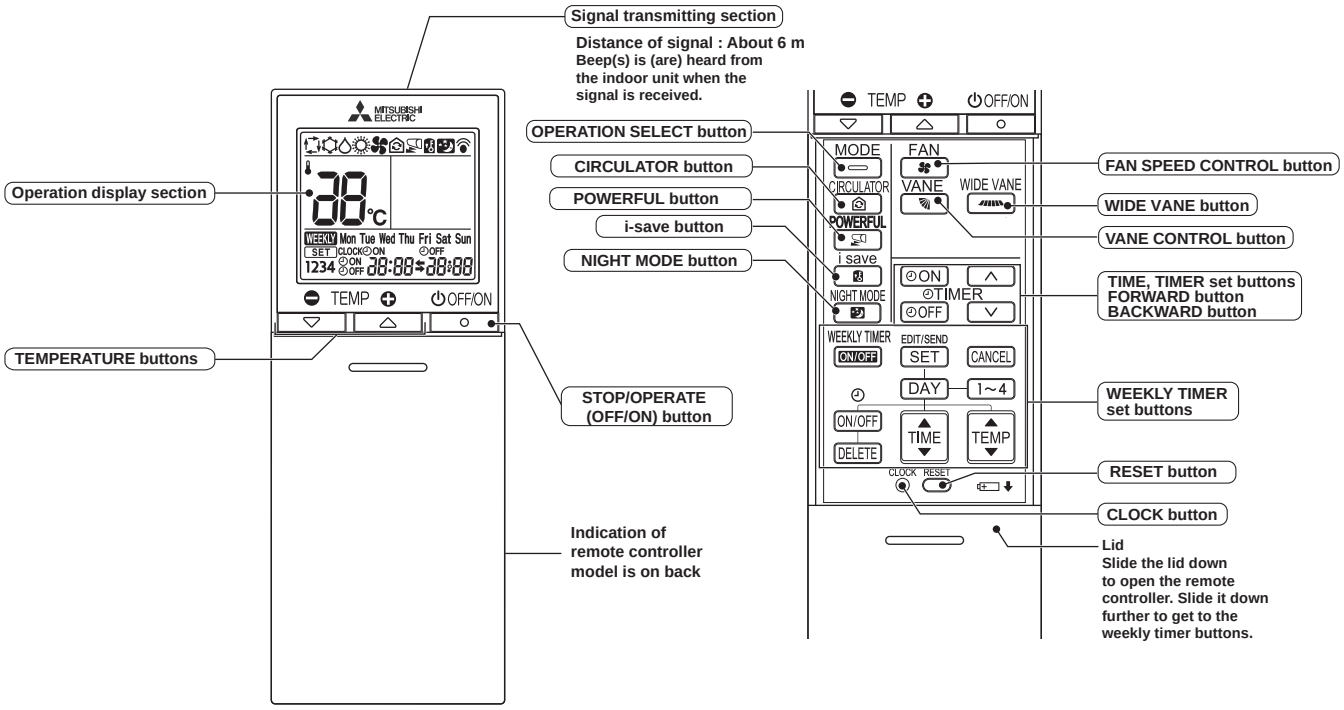
MSZ-FT25VG MSZ-FT35VG MSZ-FT50VG
MSZ-FT25VGK MSZ-FT35VGK MSZ-FT50VGK
MUZ-FT25VGHZ MUZ-FT35VGHZ MUZ-FT50VGHZ

WIRELESS REMOTE CONTROLLER

MSZ-FT25VG- E1 MSZ-FT35VG- E1 MSZ-FT50VG- E1
MSZ-FT25VGK- E1 MSZ-FT35VGK- E1 MSZ-FT50VGK- E1
MUZ-FT25VGHZ MUZ-FT35VGHZ MUZ-FT50VGHZ



MSZ-FT25VGK- SC1 MSZ-FT35VGK- SC1 MSZ-FT50VGK- SC1
MUZ-FT25VGHZ MUZ-FT35VGHZ MUZ-FT50VGHZ



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☼	The unit is operating to reach the set temperature	About 2°C or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 1 to 2°C from set temperature
☀ ☼	Standby mode (Only during multi system operation)	—

☀ Lit
☼ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 16 - 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation

When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

3. Indoor fan speed control

When the thermostat turns OFF, the indoor fan operates very Low to reduce power consumption.
When the room temperature rises and the thermostat is ON, the indoor fan operates according to the settings on the remote controller.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention

Coil frost prevention works the same way as that in COOL mode. (a.1.)

2. Low outside temperature operation

Low outside temperature operation works the same way as that in COOL mode. (a.2.)

3. Indoor fan speed control

Indoor fan speed control works the same way as that in COOL mode. (a.3.)

c. FAN (✿) OPERATION

(1) OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select FAN mode with OPERATION SELECT button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates.
Outdoor unit does not operate.

d. HEAT (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 10 - 31°C.

1. Cold air prevention control

When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting

Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor re-starts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

e. AUTO CHANGE OVER ··· AUTO MODE OPERATION

Once desired temperature is set, unit operation is switched automatically between COOL and HEAT operation.

Mode selection

(1) Initial mode
When unit starts the operation with AUTO operation from OFF:
- If the room temperature is higher than the set temperature, operation starts in COOL mode.
- If the room temperature is equal to or lower than the set temperature, operation starts in HEAT mode.

(2) Mode change
COOL mode changes to HEAT mode when about 15 minutes have passed with the room temperature 1°C below the set temperature.
HEAT mode changes to COOL mode when about 15 minutes have passed with the room temperature 1°C above the set temperature.

NOTE 1:

If 2 or more indoor units are operating in multi system, there might be a case that the indoor unit, which is operating in ⇄ (AUTO), cannot change over to the other operating mode (COOL ↔ HEAT) and becomes a state of standby.
Refer to **NOTE 2 "FOR MULTI SYSTEM AIR CONDITIONER"**.

NOTE 2

FOR MULTI SYSTEM AIR CONDITIONER

OUTDOOR UNIT: MXZ series

Multi system air conditioner can connect 2 or more indoor units with 1 outdoor unit.
- When you try to operate 2 or more indoor units with 1 outdoor unit simultaneously, one for the cooling and the others for heating, the operation mode of the indoor unit that operates first is selected. Other indoor units cannot operate, and operation indicator lamp blinks as shown in the figure below. In this case, please set all the indoor units to the same operation mode.

OPERATION INDICATOR

Lit
Blinking
Not lit

- When indoor unit starts the operation during defrosting of outdoor unit, it takes a few minutes (max. 10 minutes) to blow out warm air.
- In the heating operation, though indoor unit is not operating, it may get warm or the sound of refrigerant flow may be heard. It is not malfunction. The reason is that the refrigerant continuously flows into it.

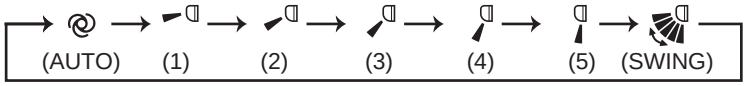
f. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive

These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE control button.



(3) Positioning

To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

Confirmation of standard position is performed in the following cases:

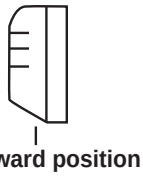
(a) When the operation starts or finishes (including timer operation).
(b) When the test run starts.
(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO (@) mode

In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Downward position.



(5) STOP (operation OFF) and ON TIMER standby

In the following cases, the horizontal vane returns to the closed position.

(a) When OFF/ON (stop/operate) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) Dew prevention

If the lower position is selected during COOL/DRY, the vane automatically moves to the upward position after 0.5 to 1 hour to prevent any condensation from dripping.

(7) SWING ( ) mode

By selecting SWING mode with VANE control button, the horizontal vane swings vertically.

(8) ECONO COOL (@) operation (ECONOmical operation)

When ECONO COOL button is pressed in COOL mode, set temperature and the air flow direction is automatically changed by the microprocessor. However, the temperature on the LCD screen on the remote controller is not changed. Also the horizontal vane swings in various cycle.

SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.

To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, VANE control or POWERFUL button.

(9) POWERFUL (@) operation

The air conditioner automatically adjusts the fan speed and the set temperature, and operates the POWERFUL mode. The POWERFUL mode is cancelled automatically 15 minutes after operation starts, or when POWERFUL button is pressed once again within 15 minutes after operation starts. The operation mode returns to the mode prior to POWERFUL operation. To cancel this operation manually, select a different mode or press one of the following buttons within 15 minutes after operation starts: STOP/OPERATE (OFF/ON), ECONO COOL, FAN SPEED CONTROL, CIRCULATOR, or i-save button.

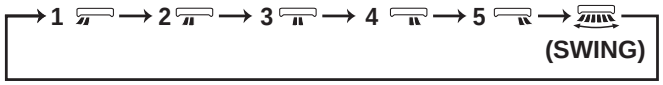
2. Vertical vane

(1) Vane motor drive

These models are equipped with a stepping motor for the vertical vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from microprocessor.

(2) The vertical vane angle and mode change as follows by pressing WIDE VANE CONTROL button.

(3) Positioning



To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

Confirmation of standard position is performed in the following cases:

(a) STOP/OPERATE (OFF/ON) button is pressed (POWER ON).

(4) SWING ( ) MODE

By selecting SWING mode with WIDE VANE CONTROL button, the vertical vane swings horizontally. The remote controller displays " ". Swing mode is cancelled when WIDE MODE CONTROL button is pressed once again.

g. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.

NOTE: Timer operation will not work without setting the current time. Initially "0:00" blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK button.

How to set the current time

(a) Press the CLOCK button.

(b) Press the TIME SET buttons (and) to set the current time.

- Each time FORWARD button ( ) is pressed, the set time increases by 1 minute, and each time BACKWARD button ( ) is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK set button.

(2) Press STOP/OPERATE (OFF/ON) button to start the air conditioner.

(3) Set the time of timer.

ON timer setting

(a) Press ON TIMER button( ) during operation.

(b) Set the time of the timer using TIME SET buttons (and).*

OFF timer setting

(a) Press OFF TIMER button ( ) during operation.

(b) Set the time of the timer using TIME SET buttons (and). *

*Each time FORWARD button ( ) is pressed, the set time increases by 10 minutes: each time BACKWARD button ( ) is pressed, the set time decreases by 10 minutes.

2. To release the timer

To release ON timer, press ON TIMER button ( ).

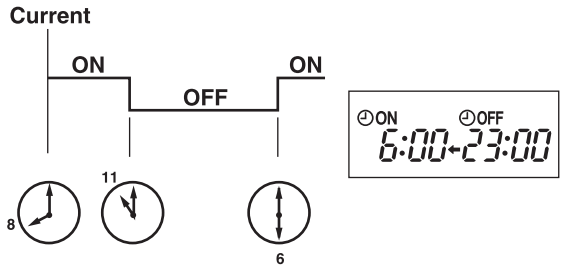
To release OFF timer, press OFF TIMER button( ).

TIMER is cancelled and the display of set time disappears.

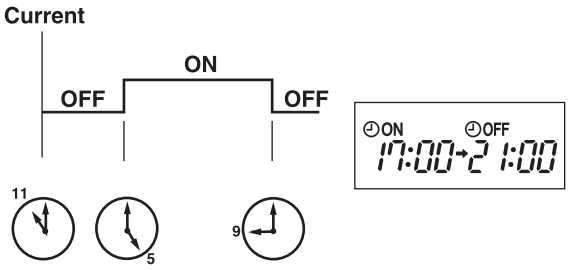
PROGRAM TIMER

• OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
• "➡" and "⬅" display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns off at 11:00 PM, and on at 6:00 AM.



(Example 2) The current time is 11:00 AM.
The unit turns on at 5:00 PM, and off at 9:00 PM.

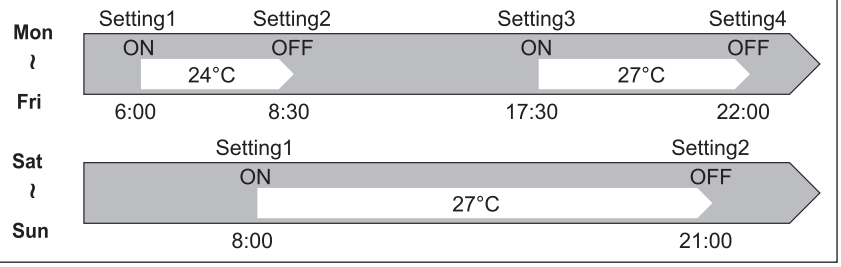


NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

h. WEEKLY TIMER OPERATION

• A maximum of 4 ON or OFF timers can be set for individual days of the week.
• A maximum of 28 ON or OFF timers can be set for a week.

E.g. : Runs at 24°C from waking up to leaving home, and runs at 27°C from getting home to going to bed on weekdays.
Runs at 27°C from waking up late to going bed early on weekends.



NOTE:
• The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.

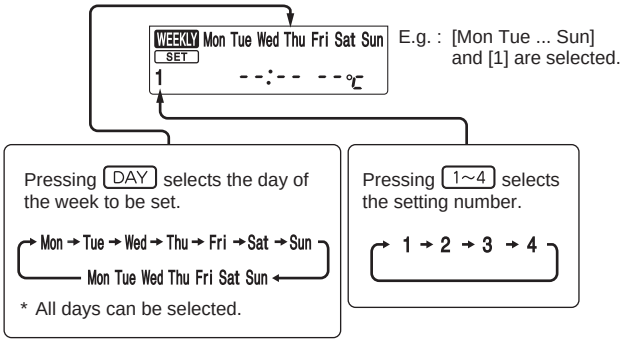
1. How to set the weekly timer

* Make sure that the current time and day are set correctly.

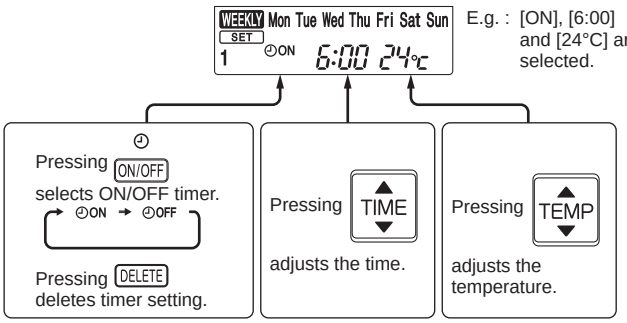
(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

* SET blinks.

(2) Press DAY and 1~4 buttons to select setting day and number.



(3) Press ON/OFF , TIME , and TEMP buttons to set ON/OFF, time, and temperature.



* Hold down the button to change the time quickly.

* The temperature can be set between 16°C and 31°C at COOL operation.

* The temperature can be set between 10°C and 31°C at HEAT operation.

Press DAY and 1~4 buttons to continue setting the timer for other days and/or numbers.

(4) Press EDIT/SEND SET button to complete and transmit the weekly timer setting.

* SET which was blinking goes out, and the current time will be displayed.

NOTE:

- Press EDIT/SEND SET button to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
- When setting the timer for more than one day of the week or one number, EDIT/SEND SET button does not have to be pressed per each setting. Press EDIT/SEND SET button once after all the settings are completed. All the weekly timer settings will be saved.
- Press EDIT/SEND SET button to enter the weekly timer setting mode, and press and hold DELETE button for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

(5) Press WEEKLY TIMER ON/OFF button to turn the weekly timer ON. (WEEKLY lights.)

- When the weekly timer is ON, the day of the week whose timer setting is completed, will light.

Press WEEKLY TIMER ON/OFF button again to turn the weekly timer OFF. (WEEKLY goes out.)

NOTE:

The saved settings will not be cleared when the weekly timer is turned OFF.

2. Checking weekly timer setting

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

*SET blinks.

(2) Press DAY or 1~4 buttons to view the setting of the particular day or number.

(3) Press CANCEL button to exit the weekly timer setting.

NOTE:

When all days of the week are selected to view the settings and a different setting is included among them, --:-- --℃ will be displayed.

i. NIGHT MODE (🌙) OPERATION

NIGHT MODE changes the brightness of the operation indicator, disables the beep sound and limits the noise level of the outdoor unit.

(1) Press NIGHT MODE button during operation to activate NIGHT mode (🌙).
- The operation indicator lamp dims.
- The beep sound will be disabled except that emitted when the operation is started or stopped.
- Noise level of the outdoor unit will be lower than that mentioned in SPECIFICATIONS.(Except the connection to **MXZ**.)

(2) Press NIGHT MODE button to cancel NIGHT mode (🌙).

NOTE:
- Noise level of the outdoor unit may not change after startup of the unit, during the protection operation, or depending on other operating conditions.
- The fan speed of the indoor unit will not change.
- The operation indicator lamp will be hard to be seen in a bright room.
- Operating POWERFUL operation during NIGHT mode will increase the noise level of the outdoor unit.
- Noise level of the outdoor unit will not decrease during Multi system operation.

j. i-save (🌡) OPERATION

1. How to set i-save operation

(1) Press STOP/OPERATE (OFF/ON) button.
(2) Select COOL, CIRCULATOR, HEAT, ECONO COOL, or NIGHT mode.
(3) Press i-save button.
(4) Set the temperature, fan speed, and airflow direction for i-save operation.

NOTE:
- i-save operation cannot be selected during DRY, FAN or AUTO mode operation.
- The setting range of HEAT mode i-save operation is 10 - 31°C.
- 2 groups of setting can be saved. (One for COOL/ECONO COOL/CIRCULATOR, one for HEAT)

2. How to cancel operation
- Press i-save button again.
- i-save operation can also be cancelled by pressing POWERFUL button or OPERATION SELECT button to change the operation mode.
  The same setting is select from the next time by simply pressing i-save button.

k. CIRCULATOR OPERATION

In case the indoor temperature reaches the setting temperature, the outdoor unit stops and the indoor unit starts FAN operation to circulate the indoor air.
The setting of fan speed and airflow direction can be changed.
The outdoor unit starts operation automatically when the indoor temperature drops below the setting temperature.

(1) Press CIRCULATOR button during HEAT mode to enable CIRCULATOR operation.
The unit performs FAN operation in case the indoor temperature reaches the setting temperature.

(2) Set the fan speed and airflow direction.
- The setting of fan speed and airflow direction is common for HEAT and CIRCULATOR operation.
- Ventilation starts at Low fan speed in case AUTO fan speed is selected.

(3) Press CIRCULATOR button again to cancel CIRCULATOR operation.

NOTE:
1. FAN operation may make you feel cold wind.
   Reduce the FAN speed or adjust the airflow direction to avoid the wind.
2. CIRCULATOR operation doesn't work in the following situation.
   - AUTO mode (Auto change over) is selected.
   - Defrosting is being done.
   - Indoor unit is connected to multi type outdoor unit.
     Although received sound is heard from the indoor unit and mark is displayed on remote controller when the button is pushed, CIRCULATOR operation will not work in multi connection.

l. EMERGENCY/TEST OPERATION

In the case of test run operation or the emergency operation, use the emergency operation switch in the right side of the indoor unit. The emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up. The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.

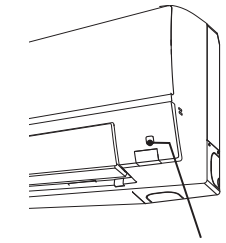
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C. The fan speed shifts to Medium.

The coil frost prevention works even in the test run or the the emergency operation.

In the test run or the emergency operation, the horizontal vane operates in VANE AUTO (@) mode.

The emergency operation continues until the emergency operation switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

NOTE: Do not press the emergency operation switch during normal operation.

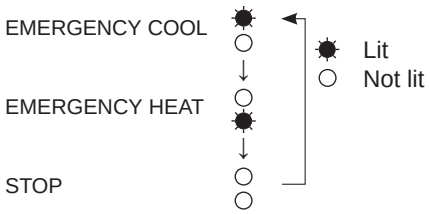


Emergency operation switch (E.O. SW)

Operation mode	COOL/HEAT
Set temperature	24°C
Fan speed	Med.
Horizontal vane	Auto

The operation mode is indicated by the Operation Indicator lamp as following

Operation Indicator lamp



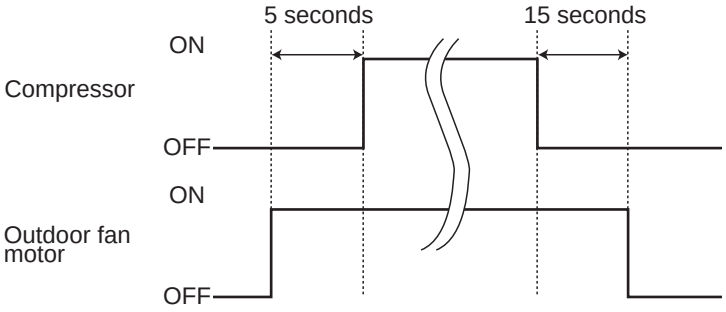
m. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

n. ACTUATOR CONTROL

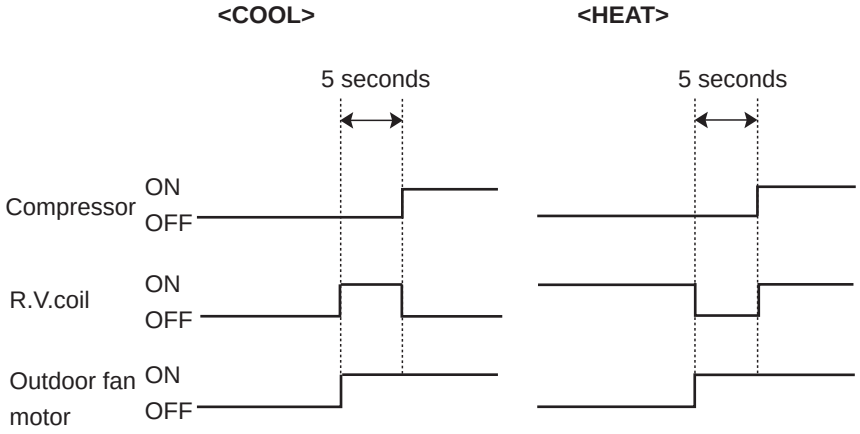
n-1. OUTDOOR FAN MOTOR CONTROL

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



n-2. R.V. COIL CONTROL

Heating · · · · · · · · · · · · · · · · · ON
Cooling · · · · · · · · · · · · · · · · · OFF
Dry · · · · · · · · · · · · · · · · · · · OFF
NOTE: The 4-way valve reverses for 5 seconds right before startup of the compressor.

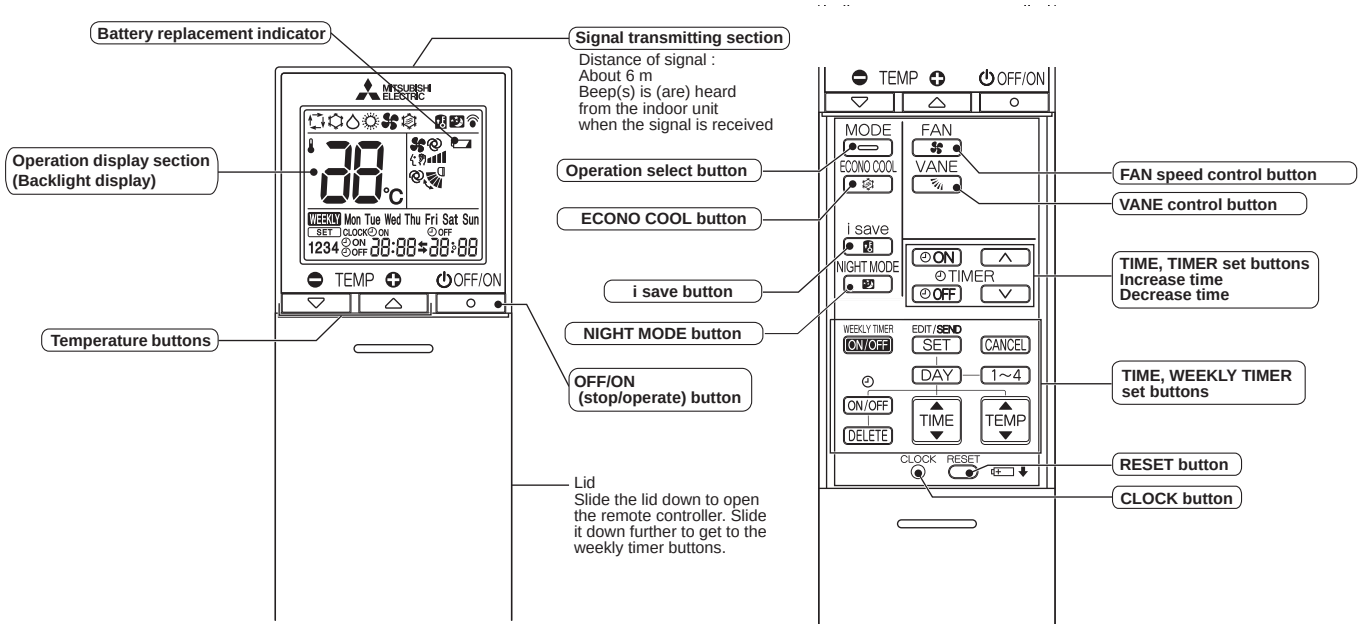


n-3. RELATION BETWEEN MAIN SENSOR AND ACTUATOR

Sensor	Purpose	Actuator					
		Compressor	LEV	Outdoor fan motor	R.V. coil	Indoor fan motor	Defrost heater
Discharge temperature thermistor	Protection	○	○				
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○					
	Heating: High pressure protection	○	○				
Defrost thermistor	Heating: Defrosting	○	○	○	○	○	
Fin temperature thermistor	Protection	○		○			
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Heating: Defrosting (Heater)						○
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Cooling: High pressure protection	○	○	○			

C.1.9.3 MSZ-AP•VG/K Series
MSZ-AP15VG MSZ-AP15VGK MSZ-AP20VG MSZ-AP20VGK
MUZ-AP15VG MUZ-AP20VG

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 2°C or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 1 to 2°C from set temperature
☀ ☼	Standby mode (Only during multi system operation)	—

☀ Lit
☼ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press OFF/ON(stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with Operation select button.
(3) Press Temperature buttons (TEMP ⊖ or ⊕ button) to select the desired temperature. The setting range is 16 - 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation

When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

b. DRY (△) OPERATION

(1) Press OFF/ON(stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with Operation select button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention

Coil frost prevention works the same way as that in COOL mode. (a.1.)

2. Low outside temperature operation

Low outside temperature operation works the same way as that in COOL mode. (a.2.)

c. FAN (✾) OPERATION

(1) OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select FAN mode with Operation select button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates.
Outdoor unit does not operate.

d. HEAT (☼) OPERATION

(1) Press OFF/ON(stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with Operation select button.
(3) Press Temperature buttons (TEMP ⊖ or ⊕ button) to select the desired temperature. The setting range is 10 - 31°C.

1. Cold air prevention control

When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting

Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor re-starts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

e. AUTO CHANGE OVER ··· AUTO MODE OPERATION

Once desired temperature is set, unit operation is switched automatically between COOL and HEAT operation.

Mode selection

(1) Initial mode

When unit starts the operation with AUTO operation from OFF:

- If the room temperature is higher than the set temperature, operation starts in COOL mode.
- If the room temperature is equal to or lower than the set temperature, operation starts in HEAT mode.

(2) Mode change

COOL mode changes to HEAT mode when about 15 minutes has passed with the room temperature 1°C below the set temperature.

HEAT mode changes to COOL mode when about 15 minutes has passed with the room temperature 1°C above the set temperature.

NOTE 1

If 2 or more indoor units are operating in multi system, there might be a case that the indoor unit, which is operating in ▭ (AUTO), cannot change over to the other operating mode (COOL ↔ HEAT) and becomes a state of standby.

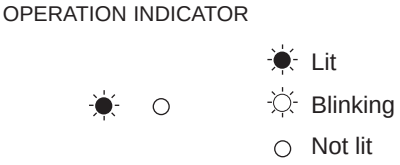
Refer to **NOTE 2 "FOR MULTI SYSTEM AIR CONDITIONER"**.

NOTE 2

FOR MULTI SYSTEM AIR CONDITIONER OUTDOOR UNIT: MXZ series

Multi system air conditioner can connect 2 or more indoor units with one outdoor unit.

- When you try to operate 2 or more indoor units with one outdoor unit simultaneously, one for the cooling and the others for heating, the operation mode of the indoor unit that operates first is selected. Other indoor units cannot operate, and operation indicator lamp blinks as shown in the figure below. In this case, please set all the indoor units to the same operation mode.



- When indoor unit starts the operation while the defrosting of outdoor unit is being done, it takes a few minutes (max. 10 minutes) to blow out the warm air.
- In HEAT operation, though indoor unit that does not operate may get warm or the sound of refrigerant flowing may be heard, they are not malfunction. The reason is that the refrigerant continuously flows into it.

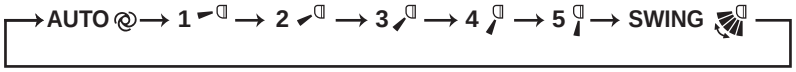
f. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive

These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE control button.



(3) Positioning

To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

Confirming of standard position is performed in the following cases:

(a) When the operation starts or finishes (including timer operation).

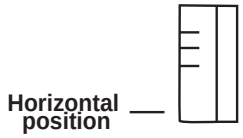
(b) When the test run starts.

(c) When standby mode (only during multi system operation) starts or finishes.

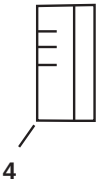
(4) VANE AUTO (@) mode

In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.



In HEAT operation
Vane angle is fixed to Angle 4.



(5) STOP (operation OFF) and ON TIMER standby
In the following cases, the horizontal vane returns to the closed position.
(a) When OFF/ON(stop/operate) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) Dew prevention
During COOL or DRY operation with the vane angle at Angle 4 or 5 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 1 for dew prevention.

(7) SWING () mode
By selecting SWING mode with VANE control button, the horizontal vane swings vertically.

(8) Cold air prevention in HEAT operation
The horizontal vane position is set to Upward.
NOTE: When 2 or more indoor units are operated with multi outdoor unit, even if any indoor unit turns thermostat off, this control does not work in the indoor unit.

(9) ECONO COOL () operation (ECONOmical operation)
When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 2°C higher by the microprocessor. However, the temperature on the LCD screen on the remote controller is not changed.
Also the horizontal vane swings in various cycle.
SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.
To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, VANE control button.

g. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.
NOTE: Timer operation will not work without setting the current time. Initially “0:00” blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK button.

How to set the current time
(a) Press the CLOCK button.
(b) Press the TIME set buttons ( and ) to set the current time.
- Each time Increase time button () is pressed, the set time increases by 1 minute, and each time Decrease time button () is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK button.

(2) Press OFF/ON(stop/operate) button to start the air conditioner.

(3) Set the time of timer.

ON timer setting
(a) Press ON TIMER button() during operation.
(b) Set the time of the timer using TIME set buttons ( and ).*

OFF timer setting
(a) Press OFF TIMER button () during operation.
(b) Set the time of the timer using TIME set buttons ( and ).*

* Each time Increase time button () is pressed, the set time increases by 10 minutes: each time Decrease time button () is pressed, the set time decreases by 10 minutes.

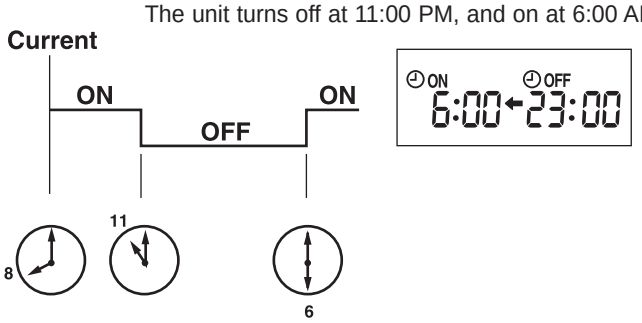
2. To release the timer

To release ON timer, press ON TIMER button ().
To release OFF timer, press OFF TIMER button().
TIMER is cancelled and the display of set time disappears.

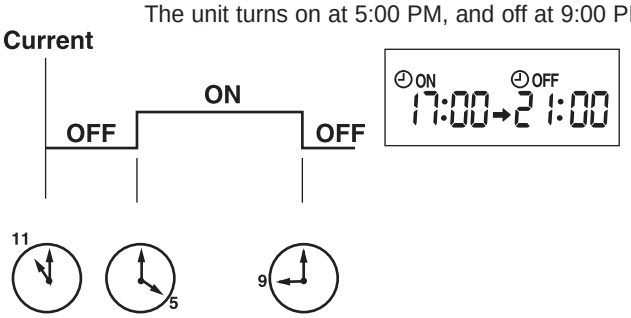
PROGRAM TIMER

• OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
• " ⬅ " and " ➡ " display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns off at 11:00 PM, and on at 6:00 AM.



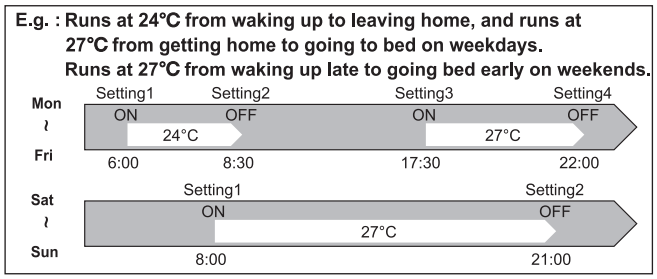
(Example 2) The current time is 11:00 AM.
The unit turns on at 5:00 PM, and off at 9:00 PM.



NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

h. WEEKLY TIMER OPERATION

• A maximum of 4 ON or OFF timers can be set for individual days of the week.
• A maximum of 28 ON or OFF timers can be set for a week.

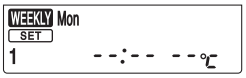


NOTE:
• The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.
• When the weekly timer is set, temperature cannot be set to 10°C.
• The weekly timer operation and i-save operation cannot be used together.

1. How to set the weekly timer

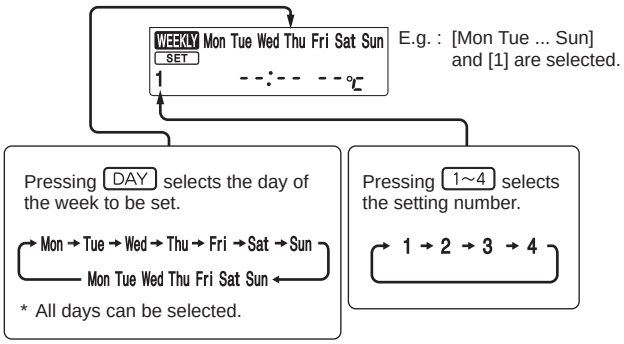
* Make sure that the current time and day are set correctly.

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

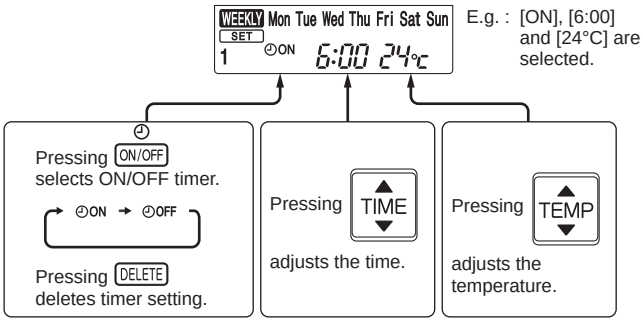


* SET blinks.

(2) Press DAY and 1~4 buttons to select setting day and number.



(3) Press ON/OFF , TIME , and TEMP buttons to set ON/OFF, time, and temperature.



* Hold down the button to change the time quickly.

Press DAY and 1~4 buttons to continue setting the timer for other days and/or numbers.

(4) Press EDIT/SEND SET button to complete and transmit the weekly timer setting.

* SET which was blinking goes out, and the current time will be displayed.

NOTE:

- Press EDIT/SEND SET button to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
- When setting the timer for more than one day of the week or one number, EDIT/SEND SET button does not have to be pressed per each setting. Press EDIT/SEND SET button once after all the settings are complete. All the weekly timer settings will be saved.
- Press EDIT/SEND SET button to enter the weekly timer setting mode, and press and hold DELETE button for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

(5) Press WEEKLY TIMER ON/OFF button to turn the weekly timer ON. (WEEKLY lights.)

- When the weekly timer is ON, the day of the week whose timer setting is complete, will light.

Press WEEKLY TIMER ON/OFF button again to turn the weekly timer OFF. (WEEKLY goes out.)

NOTE:

The saved settings will not be cleared when the weekly timer is turned OFF.

2. Checking weekly timer setting

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

*SET blinks.

(2) Press DAY or 1~4 buttons to view the setting of the particular day or number.

(3) Press CANCEL button to exit the weekly timer setting.

NOTE:

When all days of the week are selected to view the settings and a different setting is included among them, --:-- --℃ will be displayed.

i. NIGHT MODE ( ) OPERATION

NIGHT MODE changes the brightness of the operation indicator, disables the beep sound and limits the noise level of the outdoor unit.

(1) Press NIGHT MODE button during operation to activate NIGHT MODE ( ).

- The operation indicator lamp dims.
- The beep sound will be disabled except that emitted when the operation is started or stopped.
- Noise level of the outdoor unit will be lower than that mentioned in SPECIFICATIONS.(Except the connection to **MXZ**.)

(2) Press NIGHT MODE button to cancel NIGHT MODE ( ).

NOTE:

- The cooling / heating capacity may drop.
- Noise level of the outdoor unit may not change after startup of the unit, during the protection operation, or depending on other operating conditions.
- The fan speed of the indoor unit will not change.
- The operation indicator lamp will be hard to be seen in a bright room.
- Noise level of the outdoor unit will not decrease during Multi system operation.
- Operating POWERFUL operation during NIGHT MODE operation will increase the noise level of the outdoor unit.
- Noise level of the outdoor unit will not decrease during Multi system operation.

j. i-save (i-save) OPERATION

1. How to set i-save operation

(1) Press OFF/ON(stop/operate) button.
(2) Select COOL, HEAT, ECONO COOL or NIGHT MODE.
(3) Press i-save button.
(4) Set the temperature, fan speed, and airflow direction for i-save operation.

NOTE:

- i-save operation cannot be selected during DRY or AUTO mode operation.
- The setting range of HEAT mode i-save operation is 10°C and 16 - 31°C.
- 2 groups of setting can be saved. (One for COOL/ECONO COOL, one for HEAT)
- i-save operation and the weekly timer operation cannot be used together.

2. How to cancel operation

- Press i-save button again.
- i-save operation can also be cancelled by pressing Operation select button to change the operation mode.

The preferred setting can be saved for the next time with a single press of i-save button.

k. EMERGENCY/TEST OPERATION

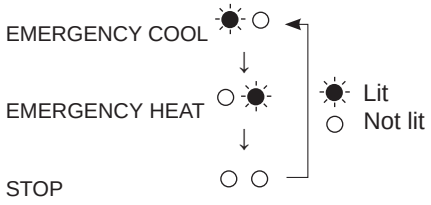
In the case of test run operation or emergency operation, use the emergency operation switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.

The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work. After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C. The fan speed shifts to Med. The coil frost prevention works even in the test run or the emergency operation. In the test run or emergency operation, the horizontal vane operates in VANE AUTO (VANE AUTO) mode. Emergency operation continues until the emergency operation switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

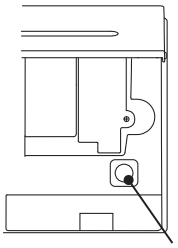
Operation mode	COOL/HEAT
Set temperature	24°C
Fan speed	Medium
Horizontal vane	Auto

The operation mode is indicated by the Operation Indicator lamp as following

Operation Indicator lamp



NOTE: Do not press the emergency operation switch during normal operation.



Emergency operation switch
(E.O. SW)

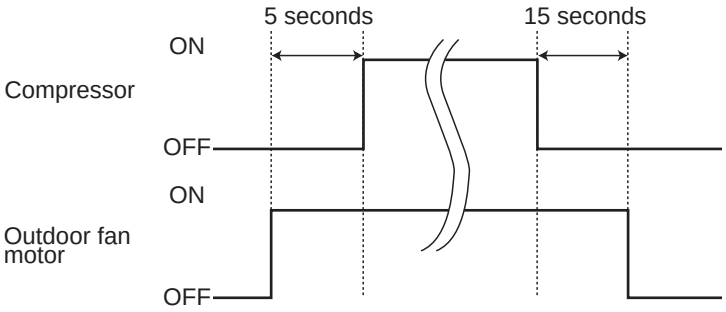
l. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

m. ACTUATOR CONTROL

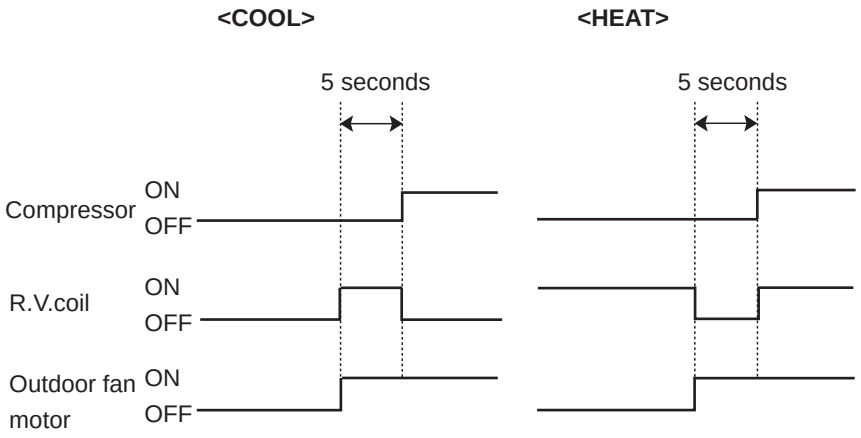
m-1. OUTDOOR FAN MOTOR CONTROL

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



m-2. R.V. COIL CONTROL

Heating · · · · · · · · · · · · · · · · · ON
Cooling · · · · · · · · · · · · · · · · · OFF
Dry · · · · · · · · · · · · · · · · · · · OFF
NOTE: The 4-way valve reverses for 5 seconds right before startup of the compressor.



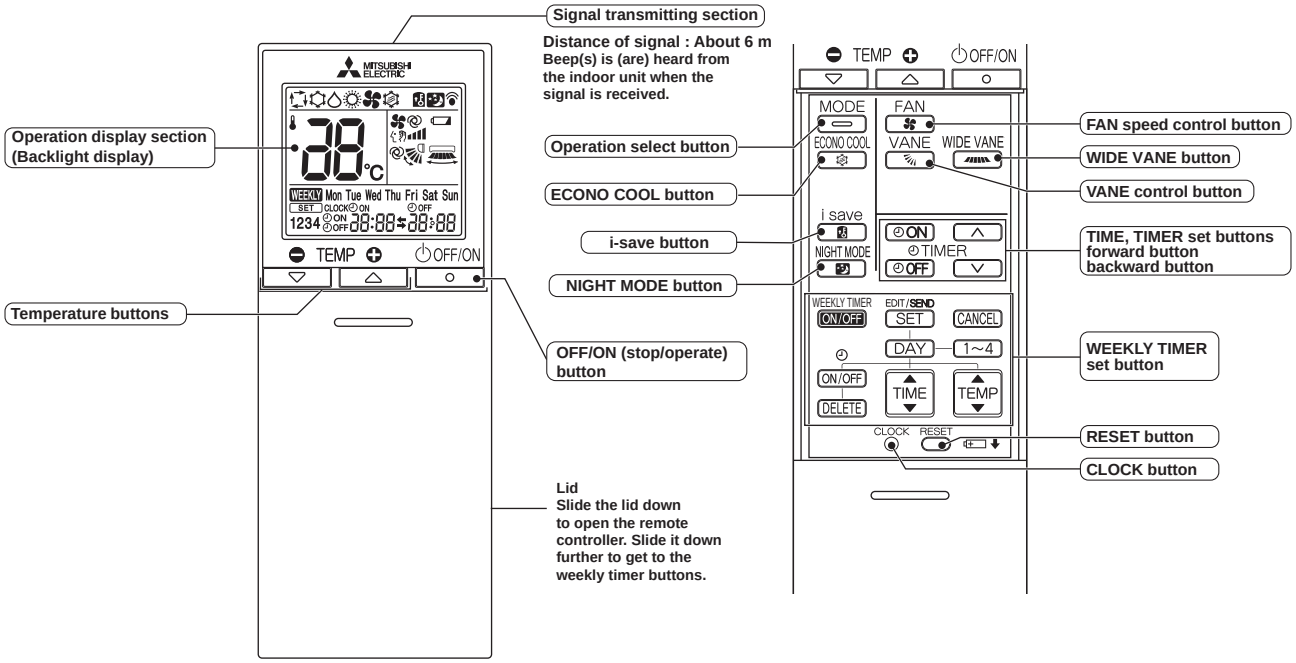
m-3. RELATION BETWEEN MAIN SENSOR AND ACTUATOR

Sensor	Purpose	Actuator				
		Compressor	LEV	Outdoor fan motor	R.V. coil	Indoor fan motor
Discharge temperature thermistor	Protection	○	○			
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○				
	Heating: High pressure protection	○	○			
Defrost thermistor	Heating: Defrosting	○	○	○	○	○
Fin temperature thermistor	Protection	○		○		
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○		
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○		
	Cooling: High pressure protection	○	○	○		

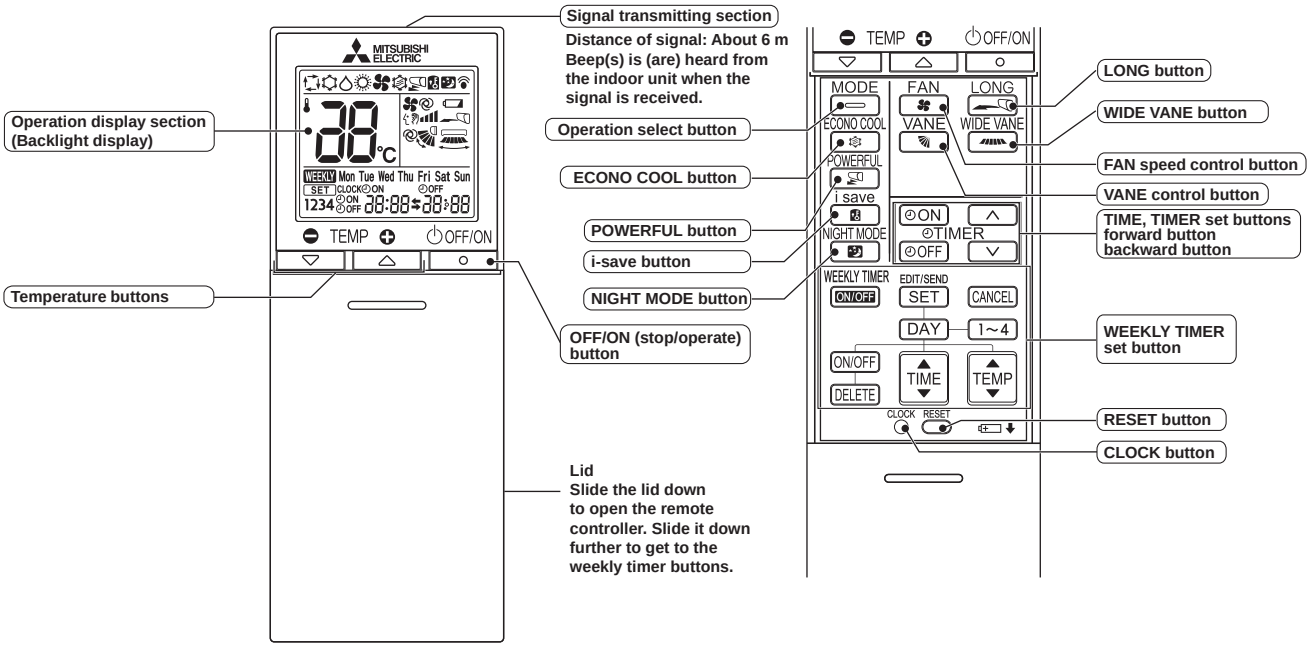
MSZ-AP25VG MSZ-AP35VG MSZ-AP42VG MSZ-AP50VG MSZ-AP60VG MSZ-AP71VG
MSZ-AP25VGK MSZ-AP35VGK MSZ-AP42VGK MSZ-AP50VGK MSZ-AP60VGK MSZ-AP71VGK
MUZ-AP25VG MUZ-AP35VG MUZ-AP42VG MUZ-AP50VG MUZ-AP60VG MUZ-AP71VG
MUZ-AP25VGH MUZ-AP35VGH MUZ-AP42VGH MUZ-AP50VGH

WIRELESS REMOTE CONTROLLER

MSZ-AP25VG MSZ-AP35VG MSZ-AP42VG MSZ-AP50VG
MSZ-AP25VGK MSZ-AP35VGK MSZ-AP42VGK MSZ-AP50VGK
MUZ-AP25VG MUZ-AP35VG MUZ-AP42VG MUZ-AP50VG
MUZ-AP25VGH MUZ-AP35VGH MUZ-AP42VGH MUZ-AP50VGH



MSZ-AP60VG MSZ-AP71VG
MSZ-AP60VGK MSZ-AP71VGK
MUZ-AP60VG MUZ-AP71VG



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 2°C or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 1 to 2°C from set temperature
☀ ☼	Standby mode (Only during multi system operation)	—

☀ Lit
☼ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press OFF/ON (stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with Operation select button.
(3) Press Temperature buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 16 - 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation

When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

3. Indoor fan speed control

When the thermostat turns OFF, the indoor fan operates very Low to reduce power consumption.
When the room temperature rises and the thermostat is ON, the indoor fan operates according to the settings on the remote controller.

b. DRY (△) OPERATION

(1) Press OFF/ON (stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with Operation select button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention

Coil frost prevention works the same way as that in COOL mode. (a.1.)

2. Low outside temperature operation

Low outside temperature operation works the same way as that in COOL mode. (a.2.)

3. Indoor fan speed control

Indoor fan speed control works the same way as that in COOL mode. (a.3.)

c. FAN (❀) OPERATION

(1) OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select FAN mode with Operation select button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates.
Outdoor unit does not operate.

d. HEAT (☼) OPERATION

(1) Press OFF/ON (stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with Operation select button.
(3) Press Temperature buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 10 - 31°C.

1. Cold air prevention control

When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting

Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor re-starts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

e. AUTO CHANGE OVER ··· AUTO MODE OPERATION

Once desired temperature is set, unit operation is switched automatically between COOL and HEAT operation.

Mode selection

(1) Initial mode
When unit starts the operation with AUTO operation from OFF:
- If the room temperature is higher than the set temperature, operation starts in COOL mode.
- If the room temperature is equal to or lower than the set temperature, operation starts in HEAT mode.

(2) Mode change
COOL mode changes to HEAT mode when about 15 minutes have passed with the room temperature 1°C below the set temperature.
HEAT mode changes to COOL mode when about 15 minutes have passed with the room temperature 1°C above the set temperature.

NOTE 1

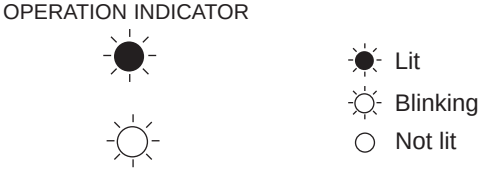
If 2 or more indoor units are operating in multi system, there might be a case that the indoor unit, which is operating in ▭ (AUTO), cannot change over to the other operating mode (COOL ↔ HEAT) and becomes a state of standby.
Refer to **NOTE 2 "FOR MULTI SYSTEM AIR CONDITIONER"**.

NOTE 2

FOR MULTI SYSTEM AIR CONDITIONER OUTDOOR UNIT: MXZ series

Multi system air conditioner can connect 2 or more indoor units with 1 outdoor unit.

- When you try to operate 2 or more indoor units with 1 outdoor unit simultaneously, one for the cooling and the others for heating, the operation mode of the indoor unit that operates first is selected. Other indoor units cannot operate, and operation indicator lamp blinks as shown in the figure below. In this case, please set all the indoor units to the same operation mode.



- When indoor unit starts the operation during defrosting of outdoor unit, it takes a few minutes (max. 10 minutes) to blow out warm air.
- In the heating operation, though indoor unit is not operating, it may get warm or the sound of refrigerant flow may be heard. It is not malfunction. The reason is that the refrigerant continuously flows into it.

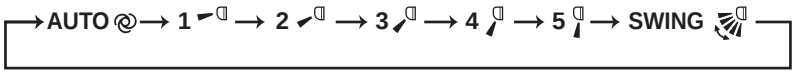
f. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive

These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE control button.



(3) Positioning

To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

Confirming of standard position is performed in the following cases:

(a) When the operation starts or finishes (including timer operation).

(b) When the test run starts.

(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO (@) mode

In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 4.

(5) STOP (operation OFF) and ON TIMER standby

In the following cases, the horizontal vane returns to the closed position.

(a) When OFF/ON (stop/operate) button is pressed (POWER OFF).

(b) When the operation is stopped by the emergency operation.

(c) When ON TIMER is ON standby.

(6) Dew prevention

During COOL or DRY operation with the vane angle at Angle 5 **[MSZ-AP25/35/42/50VG, MSZ-AP25/35/42/50VGK]** Angle 4 or 5 **[MSZ-AP60/71VG, MSZ-AP60/71VGK]** when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 4 **[MSZ-AP25/35/42/50VG, MSZ-AP25/35/42/50VGK]** /Angle 3 **[MSZ-AP60/71VG, MSZ-AP60/71VGK]** for dew prevention.

(7) SWING (@) mode

By selecting SWING mode with VANE control button, the horizontal vanes swing vertically.

When COOL, DRY or FAN mode is selected, only the upper vane swings.

(8) Cold air prevention in HEAT operation

The horizontal vane position is set to upward.

NOTE: When 2 or more indoor units are operated with multi outdoor unit, even if any indoor unit turns thermostat off, this control does not work in the indoor unit.

(9) ECONO COOL (@) operation (ECONOmical operation)

When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 2°C higher by the microprocessor. However, the temperature on the LCD screen on the remote controller is not changed. Also the horizontal vane swings in various cycle.

SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.

To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, VANE control, LONG **[MSZ-AP60/71VG, MSZ-AP60/71VGK]** or POWERFUL **[MSZ-AP60/71VG, MSZ-AP60/71VGK]** button.

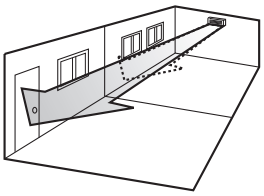
(10) POWERFUL (@) operation **[MSZ-AP60/71VG, MSZ-AP60/71VGK]**

The air conditioner automatically adjusts the fan speed and the set temperature, and operates the POWERFUL mode. The POWERFUL mode is cancelled automatically 15 minutes after operation starts, or when POWERFUL button is pressed once again within 15 minutes after operation starts. The operation mode returns to the mode prior to POWERFUL operation. POWERFUL mode also is cancelled, when the OFF/ON (stop/operate), ECONO COOL, FAN speed control or i-save button is pressed within 15 minutes after operation starts, or operation mode is changed.

(11) LONG MODE ( ) **(MSZ-AP60/71VG, MSZ-AP60/71VGK)**

By pressing LONG button indoor fan speed becomes faster than setting fan speed on the remote controller, and the horizontal vane moves to the position for LONG mode. The remote controller displays " ". LONG mode is cancelled when OFF/ON (stop/operate), LONG, VANE control or ECONO COOL button is pressed. In the following example, the vertical vane is set to (front.).

COOL / DRY / HEAT / AUTO CHANGE OVER



Fan speed : Faster
Solid arrow : When the LONG mode is used.
Dotted arrow : When the LONG mode is not used.

2. Vertical vane

(1) Vane motor drive

These models are equipped with a stepping motor for the vertical vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from microprocessor.

(2) The vertical vane angle and mode change as follows by pressing WIDE VANE button.

(3) Positioning

MSZ-AP25/35/42/50VG, MSZ-AP25/35/42/50VGK

→1 → 2 → 3 → 4 → 5 → **(SWING)**

MSZ-AP60/71VG, MSZ-AP60/71VGK

→ → → → → → → **(SWING)**

To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

Confirmation of standard position is performed in the following cases:

(a) OFF/ON (stop/operate) button is pressed (POWER ON).

(4) SWING ( ) MODE

By selecting SWING mode with WIDE VANE button, the vertical vane swings horizontally. The remote controller displays " ". Swing mode is cancelled when WIDE VANE button is pressed once again.

g. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.

NOTE: Timer operation will not work without setting the current time. Initially "0:00" blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK button.

How to set the current time

(a) Press the CLOCK button.

(b) Press the TIME set buttons (and) to set the current time.

- Each time forward button ( ) is pressed, the set time increases by 1 minute, and each time backward button ( ) is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK button.

(2) Press OFF/ON (stop/operate) button to start the air conditioner.

(3) Set the time of timer.

ON timer setting

(a) Press ON TIMER button( ) during operation.

(b) Set the time of the timer using TIME set buttons (and). *

OFF timer setting

(a) Press OFF TIMER button ( ) during operation.

(b) Set the time of the timer using TIME set buttons (and). *

* Each time forward button ( ) is pressed, the set time increases by 10 minutes: each time backward button ( ) is pressed, the set time decreases by 10 minutes.

2. To release the timer

To release ON timer, press ON TIMER button ( ).

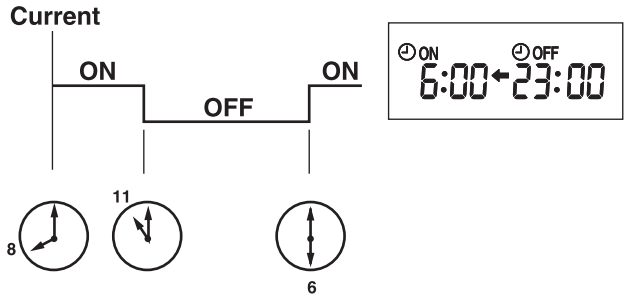
To release OFF timer, press OFF TIMER button( ).

TIMER is cancelled and the display of set time disappears.

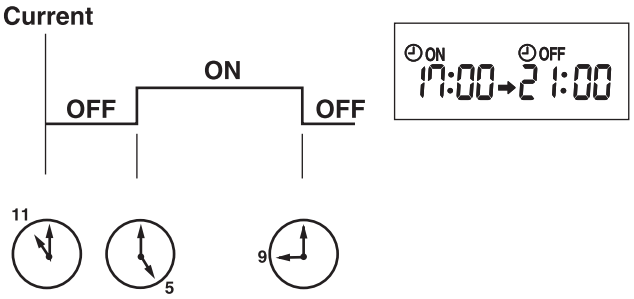
PROGRAM TIMER

• OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
• "⬅" and "➡" display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns off at 11:00 PM, and on at 6:00 AM.



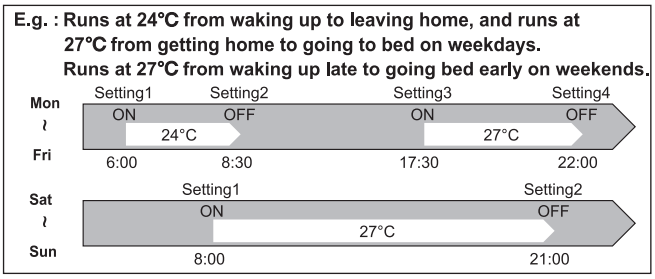
(Example 2) The current time is 11:00 AM.
The unit turns on at 5:00 PM, and off at 9:00 PM.



NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

h. WEEKLY TIMER OPERATION

• A maximum of 4 ON or OFF timers can be set for individual days of the week.
• A maximum of 28 ON or OFF timers can be set for a week.

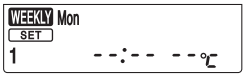


NOTE:
• The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.

1. How to set the weekly timer

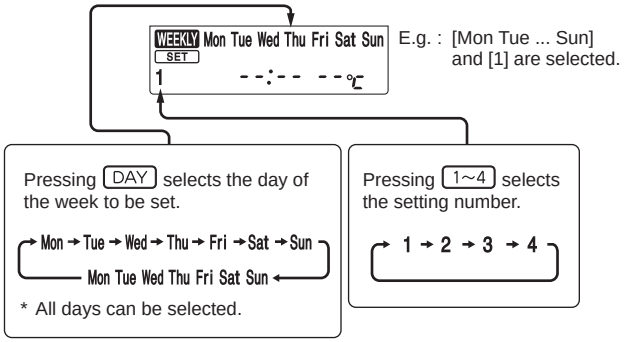
* Make sure that the current time and day are set correctly.

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

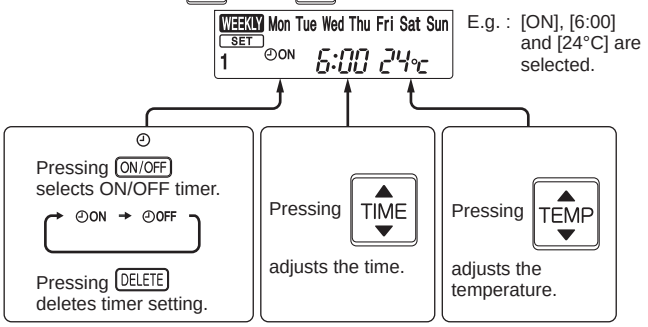


* SET blinks.

(2) Press DAY and 1~4 buttons to select setting day and number.



(3) Press ON/OFF , TIME , and TEMP buttons to set ON/OFF, time, and temperature.



* Hold down the button to change the time quickly.
* The temperature can be set between 16°C and 31°C at cool operation.
* The temperature can be set between 10°C and 31°C at HEAT operation.

Press DAY and 1~4 buttons to continue setting the timer for other days and/or numbers.

(4) Press EDIT/SEND SET button to complete and transmit the weekly timer setting.

* SET which was blinking goes out, and the current time will be displayed.

NOTE:

- Press EDIT/SEND SET button to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
- When setting the timer for more than one day of the week or one number, EDIT/SEND SET button does not have to be pressed per each setting. Press EDIT/SEND SET button once after all the settings are complete. All the weekly timer settings will be saved.
- Press EDIT/SEND SET button to enter the weekly timer setting mode, and press and hold DELETE button for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

(5) Press WEEKLY TIMER ON/OFF button to turn the weekly timer ON. (WEEKLY lights.)

•When the weekly timer is ON, the day of the week whose timer setting is complete, will light.

Press WEEKLY TIMER ON/OFF button again to turn the weekly timer OFF. (WEEKLY goes out.)

NOTE:
The saved settings will not be cleared when the weekly timer is turned OFF.

2. Checking weekly timer setting

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.
*SET blinks.

(2) Press DAY or 1~4 buttons to view the setting of the particular day or number.

(3) Press CANCEL button to exit the weekly timer setting.

NOTE:
When all days of the week are selected to view the settings and a different setting is included among them, --:-- --℃ will be displayed.

i. NIGHT MODE ( ) OPERATION

NIGHT MODE changes the brightness of the operation indicator, disables the beep sound and limits the noise level of the outdoor unit.

(1) Press NIGHT MODE button during operation to activate NIGHT MODE ( ).
- The operation indicator lamp dims.
- The beep sound will be disabled except that emitted when the operation is started or stopped.
- Noise level of the outdoor unit will be lower than that mentioned in SPECIFICATIONS.(Except the connection to **MXZ**.)

(2) Press NIGHT MODE button to cancel NIGHT MODE ( ).

NOTE:
•The cooling / heating capacity may drop.
•Noise level of the outdoor unit may not change after startup of the unit, during the protection operation, or depending on other operating conditions.
•The fan speed of the indoor unit will not change.
•The operation indicator lamp will be hard to be seen in a bright room.
•Noise level of the outdoor unit will not decrease during Multi system operation.

j. i-save (i-save) OPERATION

1. How to set i-save operation

(1) Press OFF/ON (stop/operate) button.
(2) Select COOL, ECONO COOL, HEAT or NIGHT mode.
(3) Press i-save button.
(4) Set the temperature, fan speed, and airflow direction for i-save operation.

NOTE:

- i-save operation cannot be selected during DRY or AUTO mode operation.
- The setting range of HEAT mode i-save operation is 10 - 31°C.
- 2 groups of setting can be saved. (One for COOL/ECONO COOL, one for HEAT)

2. How to cancel operation

- Press i-save button again.
- i-save operation can also be cancelled by pressing Operation select button to change the operation mode. The preferred setting can be saved for the next time with a single press of i-save button.

k. OPERATION LOCK

This function locks operation mode only. Other functions, such as OFF/ON, temperature setting, or airflow direction adjustment, are available.

(1) Hold down MODE button and VANE button simultaneously for 2 seconds while the unit is not operating to enable OPERATION LOCK.
The icon for the locked operation mode blinks.

(2) Hold down MODE button and VANE button simultaneously for 2 seconds again while the unit is not operating to disable OPERATION LOCK.

- The icon for the locked operation mode blinks when MODE button and VANE button are held down to enable or disable OPERATION LOCK or MODE button is pressed during operation while OPERATION LOCK is enabled.

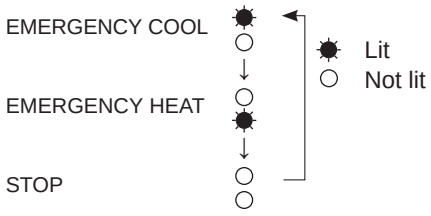
l. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.
The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C. The fan speed shifts to Med.
The coil frost prevention works even in the test run or the emergency operation.
In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

Operation mode	COOL/HEAT
Set temperature	24°C
Fan speed	Med.
Horizontal vane	Auto

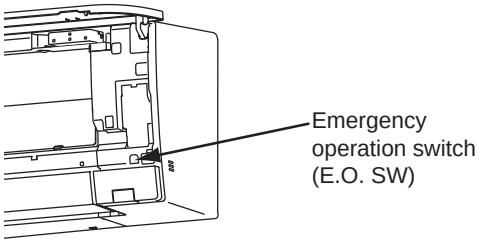
The operation mode is indicated by the Operation Indicator lamp as following

Operation Indicator lamp

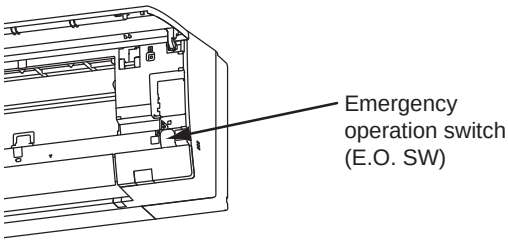


NOTE: Do not press EMERGENCY OPERATION switch during normal operation.

MSZ-AP25/35/42/50VG
MSZ-AP25/35/42/50VGK



MSZ-AP60/71VG
MSZ-AP60/71VGK



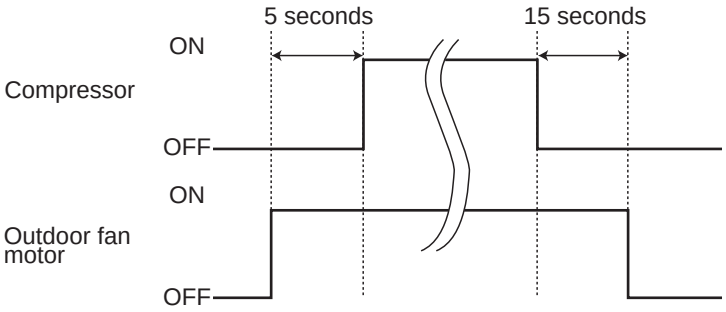
m. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

n. ACTUATOR CONTROL

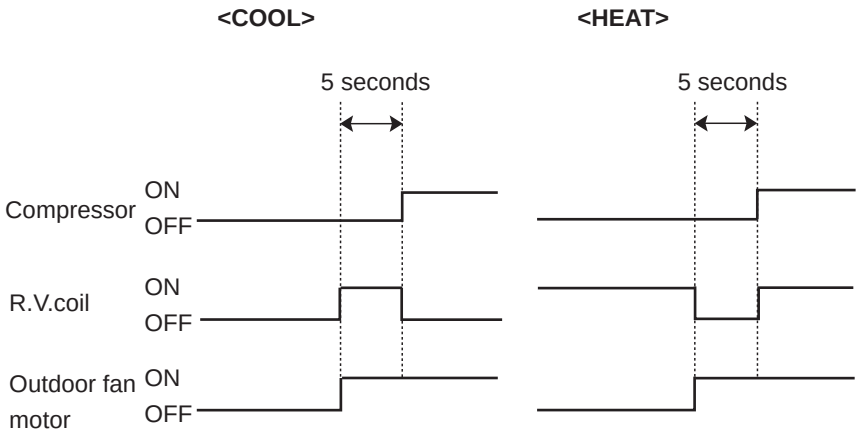
n-1. OUTDOOR FAN MOTOR CONTROL

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



n-2. R.V. COIL CONTROL

Heating · · · · · · · · · · · · · · · · · ON
Cooling · · · · · · · · · · · · · · · · · OFF
Dry · OFF
NOTE: The 4-way valve reverses for 5 seconds right before startup of the compressor.



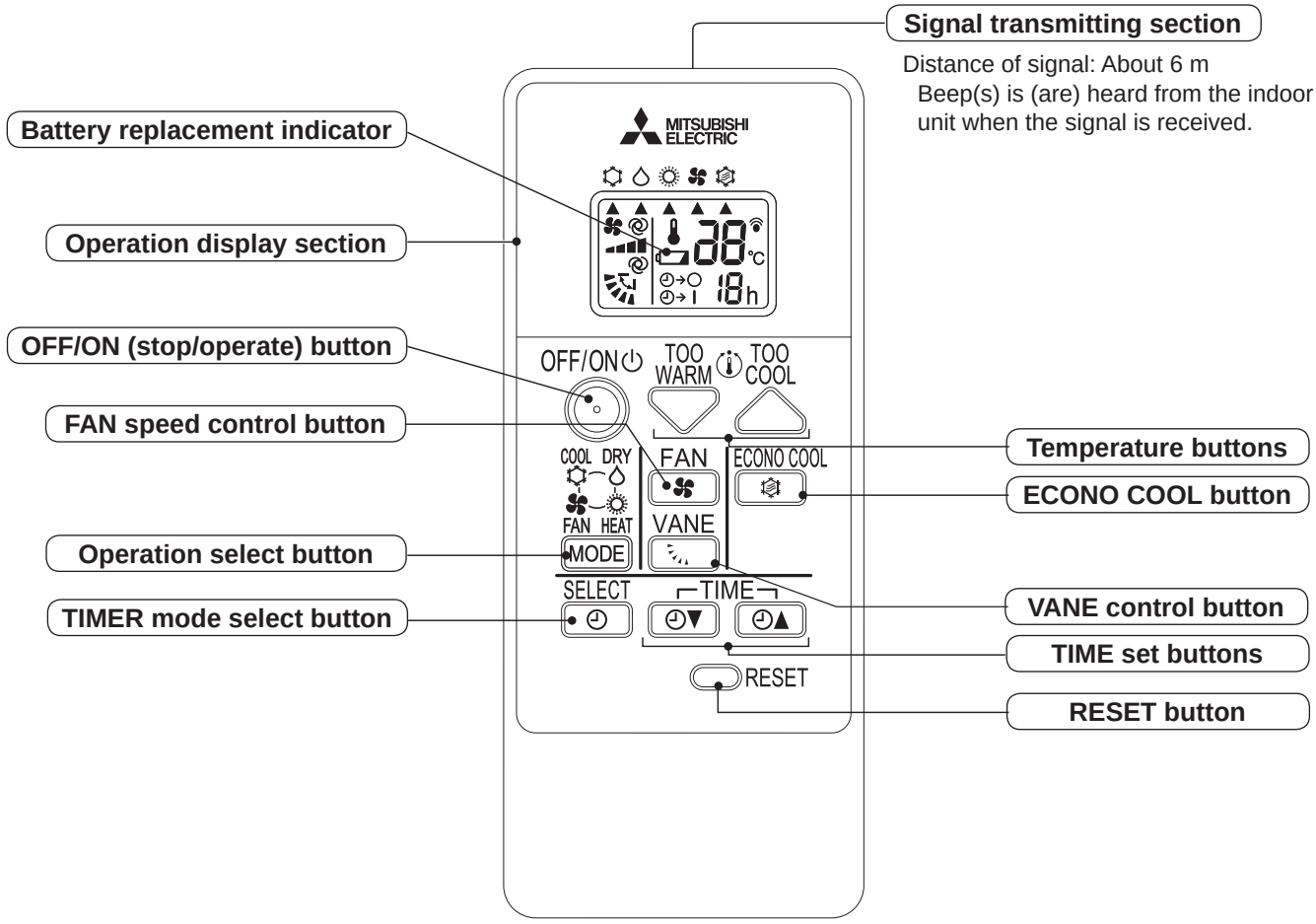
n-3. RELATION BETWEEN MAIN SENSOR AND ACTUATOR

Sensor	Purpose	Actuator					
		Compressor	LEV	Outdoor fan motor	R.V. coil	Indoor fan motor	Defrost heater
Discharge temperature thermistor	Protection	○	○				
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○					
	Heating: High pressure protection	○	○				
Defrost thermistor	Heating: Defrosting	○	○	○	○	○	
Fin temperature thermistor	Protection	○		○			
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Heating: Defrosting (Heater)						○
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Cooling: High pressure protection	○	○	○			

C.1.9.4 MSZ-HR•VF Series

MSZ-HR25VF MSZ-HR35VF MSZ-HR42VF MSZ-HR50VF MSZ-HR60VF MSZ-HR71VF
MUZ-HR25VF MUZ-HR35VF MUZ-HR42VF MUZ-HR50VF MUZ-HR60VF MUZ-HR71VF

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication		Operation state	Room temperature
HR25/35/42/50VF	HR60/71VF		
☀ ☀	☀ ☀	The unit is operating to reach the set temperature	About 2°C or more away from set temperature
☀ ○	☀ ○	The room temperature is approaching the set temperature	About 1 to 2°C from set temperature
☀ ☼	☀ ☼	Standby mode (only during multi system operation)	—

☀ Lit
☼ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press OFF/ON (stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TOO WARM or TOO COOL button) to select the set temperature. The setting range is 16 - 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation

When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

b. DRY (△) OPERATION

(1) Press OFF/ON (stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention

Coil frost prevention works the same way as that in COOL mode. (a.1.)

2. Low outside temperature operation

Low outside temperature operation works the same way as that in COOL mode. (a.2.)

c. FAN(✿)OPERATION

(1) Press OFF/ON (stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns ON with a beep tone.
(2) Select FAN mode with OPERATION SELECT button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates. Outdoor unit does not operate.

d. HEAT (☼) OPERATION

(1) Press OFF/ON (stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TOO WARM or TOO COOL button) to select the set temperature.
The setting range is 16 to 31°C.

1. Cold air prevention control

When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting

Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor restarts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

e. MULTI SYSTEM OPERATION

FOR MULTI SYSTEM AIR CONDITIONER

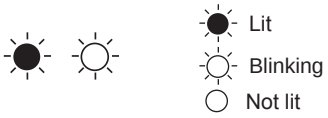
OUTDOOR UNIT: MXZ series

Multi system air conditioner can connect 2 or more indoor units with 1 outdoor unit.

- When you try to operate 2 or more indoor units with 1 outdoor unit simultaneously, one for the cooling and the others for heating, the operation mode of the indoor unit that operates first is selected. Other indoor units cannot operate, and operation indicator lamp blinks as shown in the figure below. In this case, please set all the indoor units to the same operation mode.

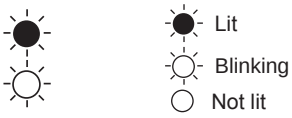
HR25/35/42/50VF

OPERATION INDICATOR



HR60/71VF

OPERATION INDICATOR



- When indoor unit starts the operation while the defrosting of outdoor unit is being done, it takes a few minutes (max. 10 minutes) to blow out the warm air.
- In the heating operation, though indoor unit is not operating, it may get warm or the sound of refrigerant flow may be heard. It is not malfunction. The reason is that the refrigerant continuously flows into it.

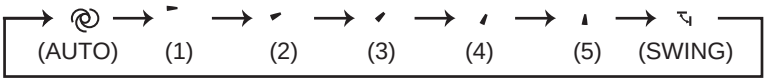
f. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive

These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL button.



(3) Positioning

To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

Confirmation of standard position is performed in the following cases:

(a) When the operation starts or finishes (including timer operation).
(b) When the test run starts.
(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO (@) mode

In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 4.

(5) STOP (operation OFF) and ON TIMER standby

In the following cases, the horizontal vane returns to the closed position.

(a) When OFF/ON (stop/operate) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) Dew prevention

During COOL or DRY operation with the vane angle at Angle 3 to 5 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 2 for dew prevention.

(7) SWING ( ) mode

By selecting SWING mode with VANE CONTROL button, the horizontal vane swings vertically.

(8) ECONO COOL (@) operation (ECONOmical operation)

When ECONO COOL button is pressed in COOL mode, set temperature and the airflow direction is automatically changed by the microprocessor. However, the temperature on the LCD screen on the remote controller is not changed. Also the horizontal vane swings in various cycle.

SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.

To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, VANE CONTROL button.

g. TIMER OPERATION (ON/OFF TIMER)

1. How to set the timer

(1) Press STOP/OPERATE/ (OFF/ON) button to start the air conditioner.

(2) Select the timer mode by pressing the SELECT button during operation.

Each time this button is pressed, the timer mode is changed in sequence:
(OFF TIMER) → (ON TIMER) → TIMER RELEASE

(3) Set the time of the timer using the TIME button.

Each time this button is pressed, the set time increase or decrease by 1 hour to 12 hours.

2. To release the timer

Press the SELECT button until (OFF TIMER) and (ON TIMER) are not displayed.

NOTE :

- The OFF TIMER and the ON TIMER cannot be set at the same time.
- The displayed time is the time remaining and will decrease in 1-hour increments as time passes.

h. EMERGENCY/TEST OPERATION

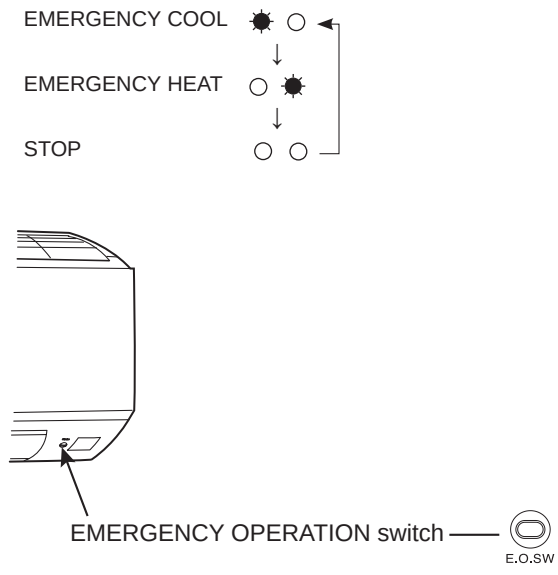
In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch in the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.
The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C. The fan speed shifts to Med.
The coil frost prevention works even in the test run or the emergency operation.
In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

NOTE: Do not press EMERGENCY OPERATION switch during normal operation.

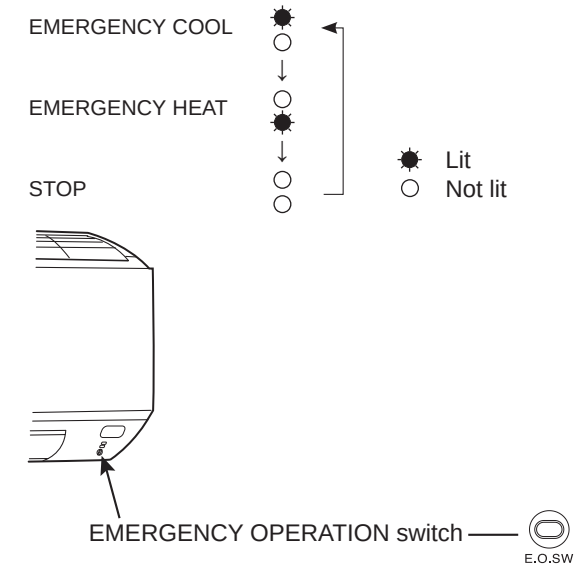
Operation mode	COOL/HEAT
Set temperature	24°C
Fan speed	Med.
Horizontal vane	Auto

The operation mode is indicated by the Operation Indicator lamp as following Operation Indicator lamp

HR25/35/42/50VF



HR60/71VF



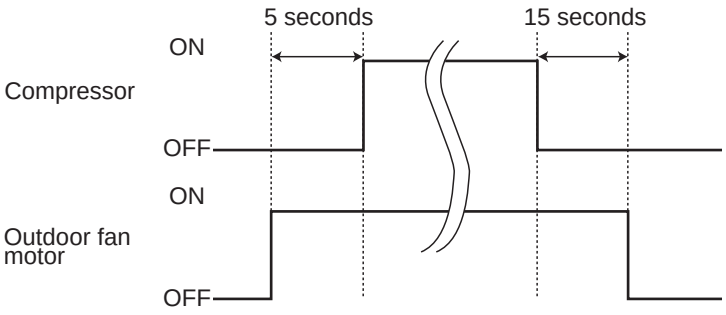
i. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

j. ACTUATOR CONTROL

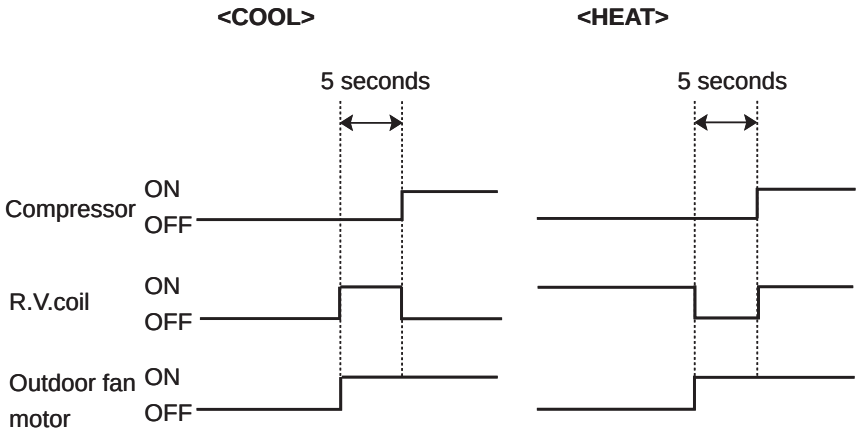
j-1. OUTDOOR FAN MOTOR CONTROL

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



j-2. R.V. COIL CONTROL

Heating · · · · · · · · · · · · · · · · · ON
Cooling · · · · · · · · · · · · · · · · · OFF
Dry · · · · · · · · · · · · · · · · · · · OFF
NOTE: The 4-way valve reverses for 5 seconds right before start-up of the compressor.



j-3. RELATION BETWEEN MAIN SENSOR AND ACTUATOR

Sensor	Purpose	Actuator				
		Compressor	LEV	Outdoor fan motor	R.V. coil	Indoor fan motor
Discharge temperature thermistor	Protection	○	○			
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○				
	Heating: High pressure protection	○	○			
Defrost thermistor	Heating: Defrosting	○	○	○	○	○
Fin temperature thermistor	Protection	○		○		
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○		
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○		
	Cooling: High pressure protection	○	○	○		

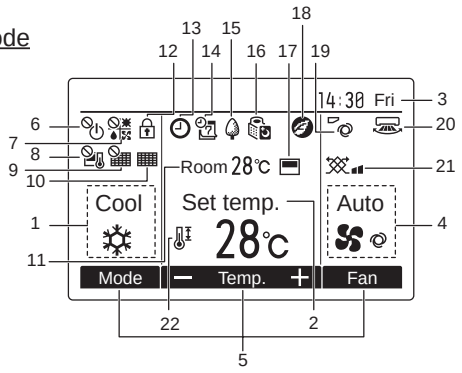
C.1.9.5 MSY-TP•VF Series
MSY-TP35VF MSY-TP50VF
MUY-TP35VF MUY-TP50VF

WIRED REMOTE CONTROLLER (Option : Example) PAR-33MAA

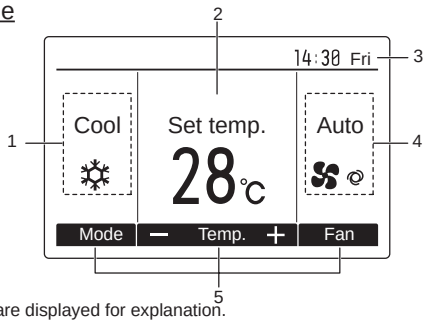
Display

The main display can be displayed in 2 different modes: "Full" and "Basic."
The initial setting is "Full."

Full mode



Basic mode



Note: All icons are displayed for explanation.

1 Operation mode
Indoor unit operation mode appears here.

2 Preset temperature
Preset temperature appears here.

3 Clock (See the Installation Manual.)
Current time appears here.

4 Fan speed
Fan speed setting appears here.

5 Button function guide
Functions of the corresponding buttons appear here.

6
Appears when the ON/OFF operation is centrally controlled.

7
Appears when the operation mode is centrally controlled.

8
Appears when the preset temperature is centrally controlled.

9
Appears when the filter reset function is centrally controlled.

10
Indicates when filter needs maintenance.

11 Room temperature (See the Installation Manual.)
Current room temperature appears here.

12
Appears when the buttons are locked.

13
Appears when the On/Off timer or Night setback function is enabled.

14
Appears when the Weekly timer is enabled.

15
Appears while the units are operated in the energy-saving mode.

16
Appears while the outdoor units are operated in the silent mode.

17
Appears when the built-in thermistor on the remote controller is activated to monitor the room temperature (a).
appears when the thermistor on the indoor unit is activated to monitor the room temperature.

18
Appears when the units are operated in the energy-saving mode with 3D i-see Sensor.

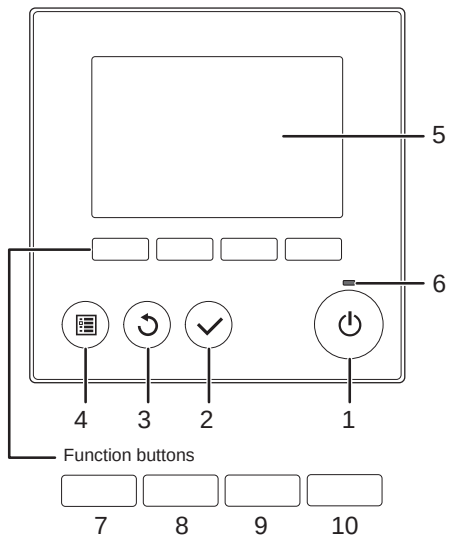
19
Indicates the vane setting.

20
Indicates the louver setting.

21
Indicates the ventilation setting.

22
Appears when the preset temperature range is restricted.

Controller interface



- When the backlight is off, pressing any button turns the backlight on and does not perform its function. (except for the OFF/ON button)
- Most settings (except OFF/ON, mode, fan speed, temperature) can be made from the Menu screen.

1 OFF/ON button
Press to turn ON/OFF the indoor unit.

2 SELECT button
Press to save the setting.

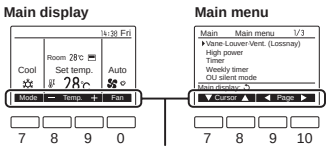
3 RETURN button
Press to return to the previous screen.

4 MENU button
Press to bring up the Main menu.

5 Backlit LCD
Operation settings will appear.
When the backlight is off, pressing any button turns the backlight on and it will stay lit for a certain period of time depending on the screen.

6 ON/OFF lamp
This lamp lights up in green while the unit is in operation. It blinks while the remote controller is starting up or when there is an error.

The functions of the function buttons change depending on the screen. Refer to the button function guide that appears at the bottom of the LCD for the functions they serve on a given screen.
When the system is centrally controlled, the button function guide that corresponds to the locked button will not appear.



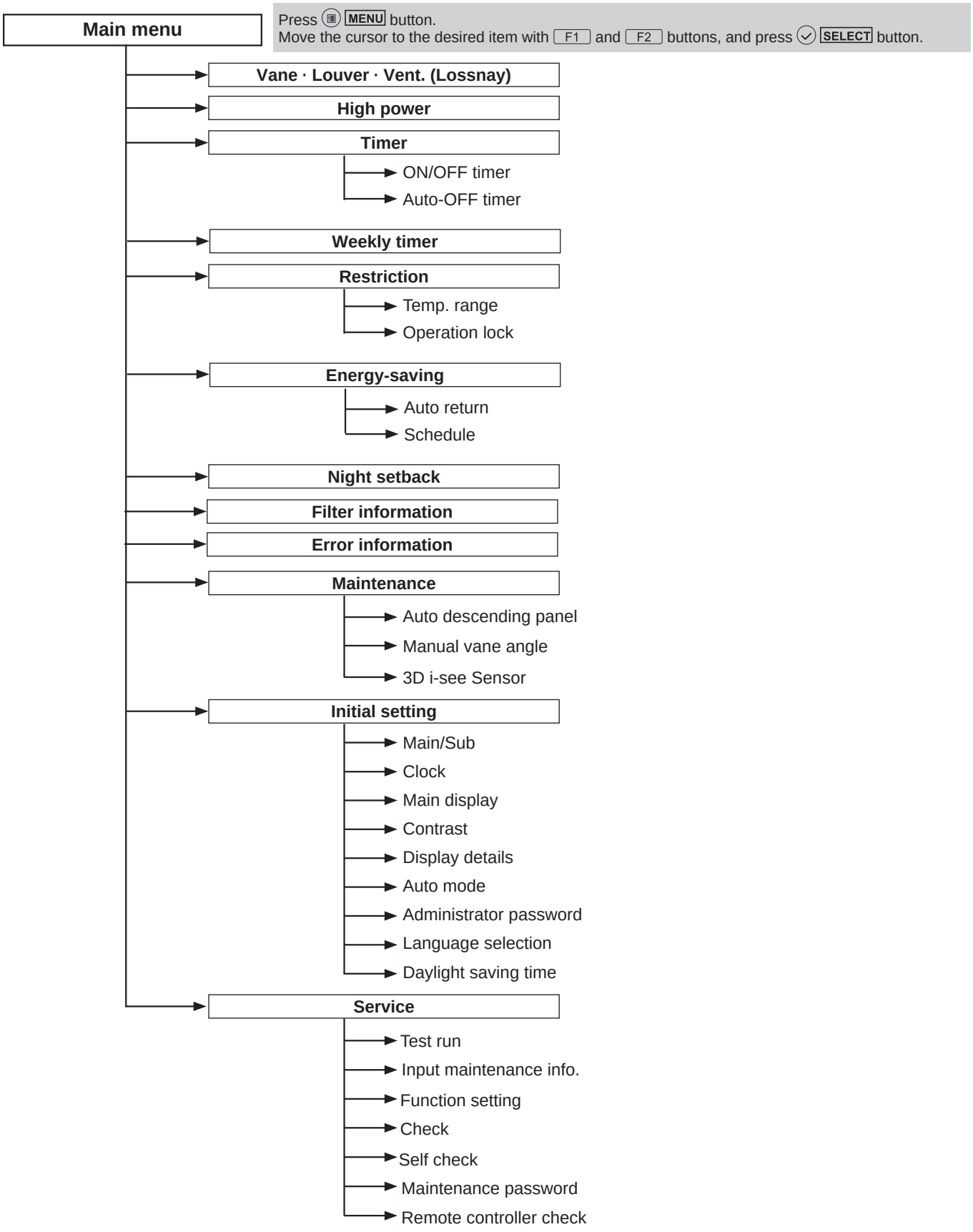
7 Function button F1
Main display: Press to change the operation mode.
Main menu: Press to move the cursor down.

8 Function button F2
Main display: Press to decrease temperature.
Main menu: Press to move the cursor up.

9 Function button F3
Main display: Press to increase temperature.
Main menu: Press to go to the previous page.

10 Function button F4
Main display: Press to change the fan speed.
Main menu: Press to go to the next page.

Menu structure



Not all functions are available on all models of indoor units.

Main menu list

Setting and display items		Setting details
Vane · Louver · Vent. (Lossnay)		**Use to set the vane angle.** • Select a desired vane setting from 5 different settings. **Use to turn ON/OFF the louver.** Not available **Use to set the amount of ventilation.** Not available
High power		**Use to reach the comfortable room temperature quickly.** Not available
Timer	**ON/OFF timer***	**Use to set the operation ON/OFF times.** • Time can be set in 5-minute increments.
	Auto-Off timer	**Use to set the Auto-OFF time.** • Time can be set to a value from 30 to 240 in 10-minute increments.
Filter information		**Use to check the filter status.** Not available
Error information		**Use to check error information when an error occurs.** • Check code, error source, refrigerant address, unit model, manufacturing number, contact information (dealer's phone number) can be displayed. (The unit model, manufacturing number, and contact information need to be registered in advance to be displayed.)
Weekly timer*		**Use to set the weekly operation ON/OFF times.** • Up to 8 operation patterns can be set for each day. (Not valid when the ON/OFF timer is enabled.)
Energy saving	**Auto return**	**Use to get the units to operate at the preset temperature after performing energy-saving operation for a specified time period.** • Time can be set to a value from 30 and 120 in 10-minute increments. (This function will not be valid when the preset temperature ranges are restricted.)
	Schedule*	**Set the start/stop times to operate the units in the energy-saving mode for each day of the week, and set the energy-saving rate.** Not available
Night setback*		**Use to make Night setback settings.** • Select "Yes" to enable the setting, and "No" to disable the setting. The temperature range and the start/stop times can be set.
Restriction	**Temp. range**	**Use to restrict the preset temperature range.** • Different temperature ranges can be set for different operation modes.
	Operation lock	**Use to lock selected functions.** • The locked functions cannot be operated.
Maintenance	**Auto descending panel**	Not available
	Manual vane angle	Not available
	3D i-see Sensor	Not available
Initial setting	**Main/Sub**	**When connecting 2 remote controllers, one of them needs to be designated as a sub controller.**
	Clock	**Use to set the current time.**
	Main display	**Use to switch between "Full" and "Basic" modes for the Main display.** • The initial setting is "Full."
	Contrast	**Use to adjust screen contrast.**
	Display details	**Make the settings for the remote controller related items as necessary.** **Clock:** The initial settings are "Yes" and "24h" format. **Temperature:** Set either Celsius (°C) or Fahrenheit (°F). **Room temp. :** Set Show or Hide. **Auto mode:** Set the Auto mode display or Only Auto display.
	Auto mode	**Whether or not to use the AUTO mode can be selected by using the button.** **This setting is valid only when indoor units with the AUTO mode function are connected.**
	Administrator password	**The administrator password is required to make the settings for the following items.** • Timer setting • Energy-saving setting • Weekly timer setting • Restriction setting • Outdoor unit silent mode setting • Night set back
	Language selection	**Use to select the desired language.**
	Daylight saving time	**Sets the daylight saving time.**
Service	**Test run**	**Select "Test run" from the Service menu to bring up the Test run menu.** Not available
	Input maintenance	**Select "Input maintenance Info." from the Service menu to bring up the Maintenance information screen.** **The following settings can be made from the Maintenance Information screen.** • Model name input • Serial No. input • Dealer information input
	Function setting	Not available
	Check	**Error history:** Display the error history and delete the error history. **Refrigerant leak check:** Not available **Smooth maintenance:** Not available **Request code:** Not available
	Self check	**Error history of each unit can be checked via the remote controller.**
	Maintenance password	**Use to change the maintenance password.**
	Remote controller check	**When the remote controller does not work properly, use the remote controller checking function to trouble-shoot the problem.**

* Clock setting is required.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀	The unit is operating to reach the set temperature.	About 2°C or more away from set temperature
☀ / ○	The room temperature is approaching the set temperature.	About 1 to 2°C from set temperature

☀ Lit
☼ Blinking
○ Not lit

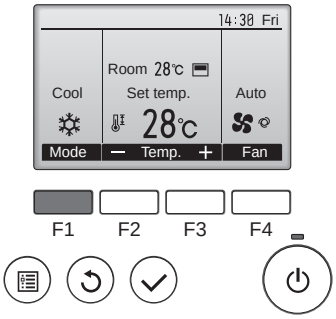
Operation status memory

	Remote controller setting
Operation mode	Operation mode before the power was turned off
Preset temperature	Preset temperature before the power was turned off
Fan speed	Fan speed before the power was turned off

Settable preset temperature range

Operation mode	Preset temperature range
Cool/Dry	16 ~ 31ºC
Fan/Ventilation	Not settable

Mode selection



Press F1 button to go through the operation modes in the order of “Cool”, “Dry”, and “Fan”. Select the desired operation mode.

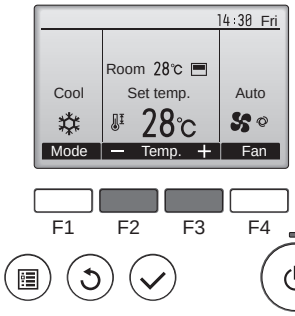
Cool Dry Fan

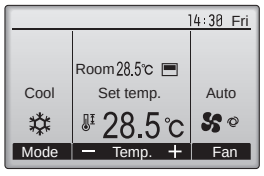
a. COOL (☼) OPERATION

(1) Press ⏻ OFF/ON button.
OFF/ON lamp will light up in green and the operation will start.
(2) Select COOL mode with F1 button.
(3) Press F2 button to decrease the preset temperature, and F3 button to increase.
The setting range is 16 ~ 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works. The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.





Example display (Centigrade in 0.5-degree increments)

- Preset temperature will be displayed either in Centigrade in 0.5- or 1-degree increments, or in Fahrenheit, depending on the display mode setting on the remote controller.

b. DRY (△) OPERATION

(1) Press ⏻ OFF/ON button.
OFF/ON lamp will light up in green and the operation will start.
(2) Select DRY mode with F1 button.
(3) Press F2 button to decrease the preset temperature, and F3 button to in crease.

1. Coil frost prevention

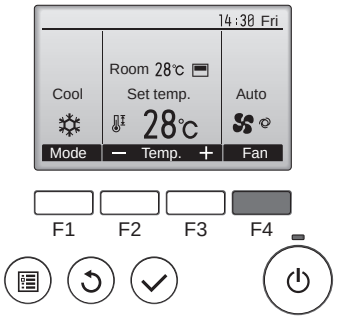
Coil frost prevention works the same way as that in COOL mode. (a.1.)

c. FAN( )OPERATION

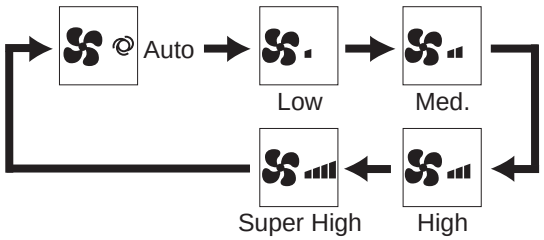
(1) Press OFF/ON button. OFF/ON lamp will light up in green and the operation will start.

(2) Select FAN mode with F1 button.

(3) Press F4 button to select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates. Outdoor unit does not operate.



Press F4 button to go through the fan speeds in the following order.



d. AUTO VANE OPERATION

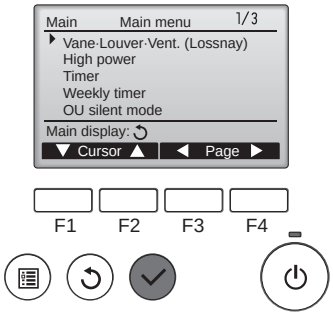
1. Horizontal vane

(1) Vane motor drive
These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

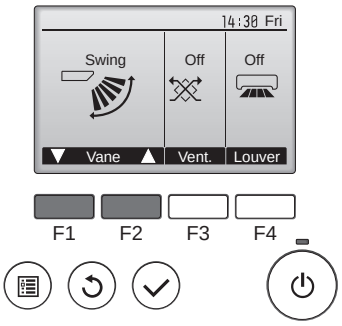
(2) How to set the vane angle

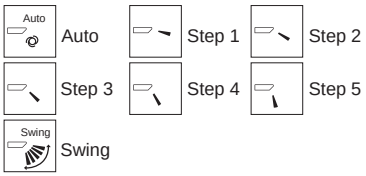
① Press the MENU button.

② Select “Vane·Louver·Vent. (Lossnay)” with F1 or F2 button, and press SELECT button.



③ Press F1 or F2 button to go through the vane setting options: “Auto”, “Step 1”, “Step 2”, “Step 3”, “Step 4”, “Step 5” and “Swing”, and select the desired setting.





④ Press RETURN button to go back to the Main menu.

(3) Positioning
To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.
Confirmation of standard position is performed in the following cases:
(a) When the operation starts or finishes (including timer operation).
(b) When the test run starts.

(4) VANE AUTO (Auto) mode

In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

(5) STOP (operation OFF) and ON TIMER standby

In the following cases, the horizontal vane returns to the closed position.
(a) When OFF/ON button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) Dew prevention

During COOL or DRY operation with the vane angle at Angle 3 ~ 5 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 2 for dew prevention.

(7) SWING (Swing) mode

Select “Swing” to move the vanes up and down automatically.
When set to “Step 1” through “Step 5”, the vane will be fixed at the selected angle.

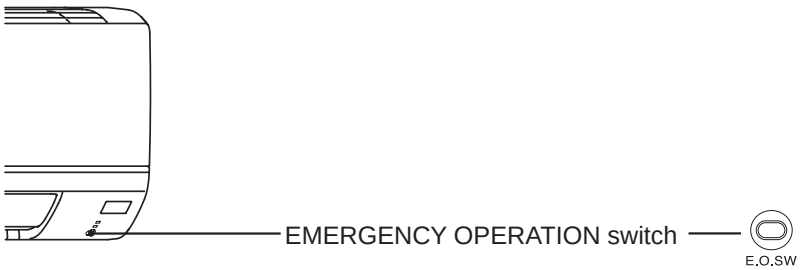
e. TIMER OPERATION (ON/OFF TIMER)

The unit automatically turns on or off at the preset time.
Select "Timer" from the Main menu, and press SELECT button (Refer to the appropriate operation manual include with remote controller.).

f. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.
The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL MODE with a set temperature of 24°C.
The fan speed shifts to Med.
The coil frost prevention works even in the test run or the emergency operation.
In the test run or emergency operation, the horizontal vane operates in VANE AUTO (Auto) mode.
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

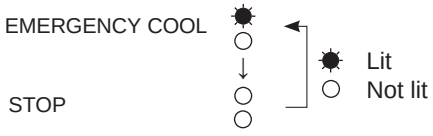
NOTE: Do not press EMERGENCY OPERATION switch during normal operation.



Operation mode	COOL
Set temperature	24°C
Fan speed	Med.
Horizontal vane	Auto

The operation mode is indicated by the Operation Indicator lamp as follows:

Operation Indicator lamp



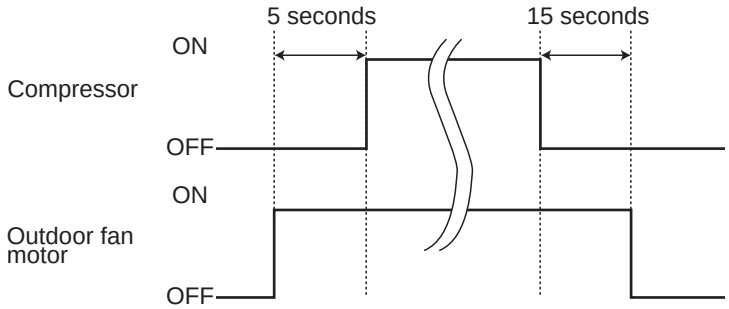
g. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

h. ACTUATOR CONTROL

h-1. Outdoor fan motor control

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



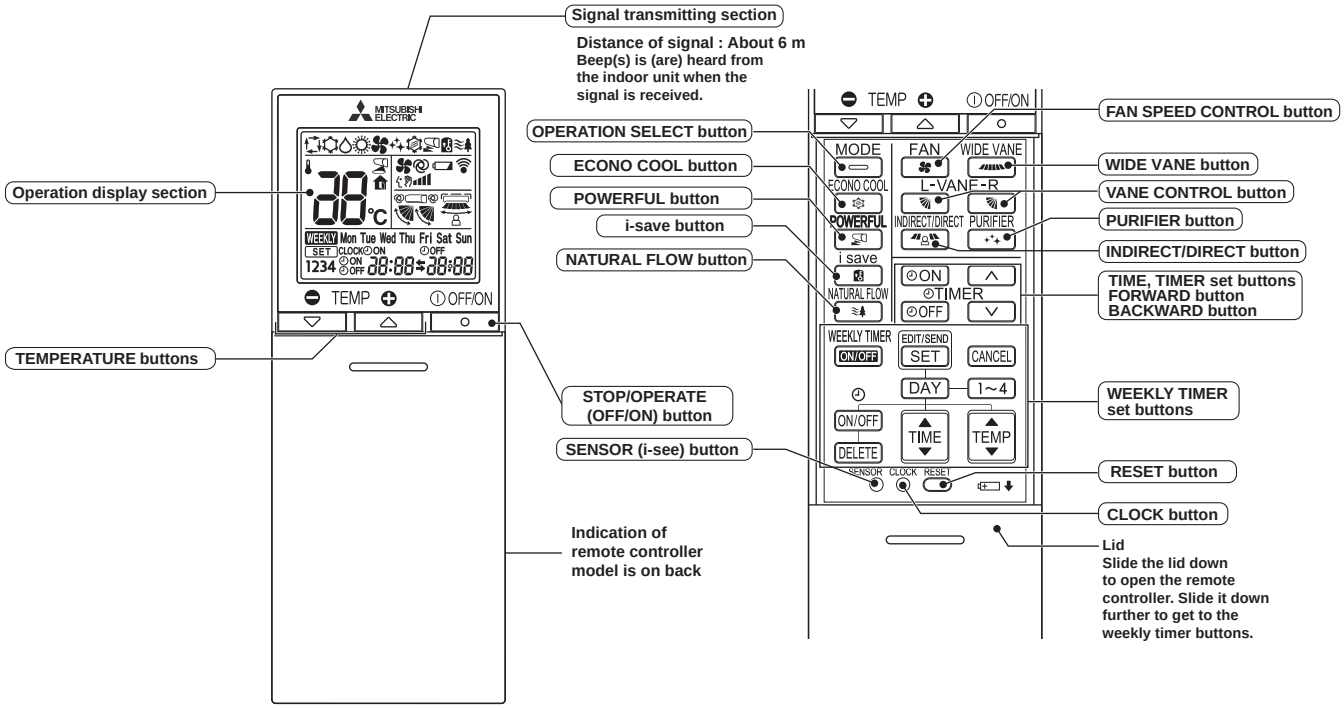
h-2. Relation between main sensor and actuator

Sensor	Purpose	Actuator		
		Compressor	LEV	Outdoor fan motor
Discharge temperature thermistor	Protection	○	○	
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○		
Fin temperature thermistor	Protection	○		○
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○
	Cooling: High pressure protection	○	○	○

C.1.9.6 MSZ-FH•VE2 Series

MSZ-FH25VE2 MSZ-FH35VE2 MSZ-FH50VE2
MUZ-FH25VE MUZ-FH35VE MUZ-FH50VE
MUZ-FH25VEHZ MUZ-FH35VEHZ MUZ-FH50VEHZ

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☼	Standby mode (Only during multi system operation)	—

☀ Lit
☼ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 16 - 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation

When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

3. Indoor fan speed control

When the thermostat turns OFF, the indoor fan operates very Low to reduce power consumption.
When the room temperature rises and the thermostat is ON, the indoor fan operates according to the settings on the remote controller.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention
Coil frost prevention works the same way as that in COOL mode. (a.1.)

2. Low outside temperature operation
Low outside temperature operation works the same way as that in COOL mode. (a.2.)

3. Indoor fan speed control
Indoor fan speed control works the same way as that in COOL mode. (a.3.)

c. FAN (✾) OPERATION

(1) OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select FAN mode with OPERATION SELECT button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates.
Outdoor unit does not operate.

d. HEAT (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 16 - 31°C.

1. Cold air prevention control
When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection
The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting
Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor restarts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

e. AUTO CHANGE OVER ··· AUTO MODE OPERATION

Once desired temperature is set, unit operation is switched automatically between COOL and HEAT operation.

Mode selection

(1) Initial mode
When unit starts the operation with AUTO operation from OFF:
- If the room temperature is higher than the set temperature, operation starts in COOL mode.
- If the room temperature is equal to or lower than the set temperature, operation starts in HEAT mode.

(2) Mode change
COOL mode changes to HEAT mode when about 15 minutes have passed with the room temperature 1°C below the set temperature.
HEAT mode changes to COOL mode when about 15 minutes have passed with the room temperature 1°C above the set temperature.

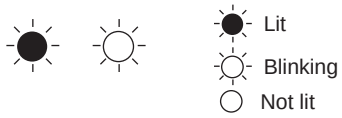
NOTE 1
If two or more indoor units are operating in multi system, there might be a case that the indoor unit, which is operating in ⇄ (AUTO), cannot change over to the other operating mode (COOL ↔ HEAT) and becomes a state of standby.
Refer to **NOTE 2 "FOR MULTI SYSTEM AIR CONDITIONER"**.

NOTE 2
FOR MULTI SYSTEM AIR CONDITIONER
OUTDOOR UNIT: MXZ series

Multi system air conditioner can connect two or more indoor units with one outdoor unit.

- When you try to operate two or more indoor units with one outdoor unit simultaneously, one for the cooling and the others for heating, the operation mode of the indoor unit that operates first is selected. Other indoor units cannot operate, and operation indicator lamp blinks as shown in the figure below. In this case, please set all the indoor units to the same operation mode.

OPERATION INDICATOR



- When indoor unit starts the operation while the defrosting of outdoor unit is being done, it takes a few minutes (max. 10 minutes) to blow out the warm air.
- In the heating operation, though indoor unit that does not operate may get warm or the sound of refrigerant flowing may be heard, they are not malfunction. The reason is that the refrigerant continuously flows into it.

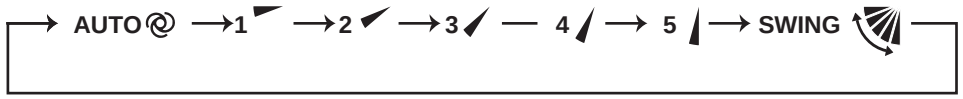
f. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive

These models are equipped with stepping motors for the horizontal vanes. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL (L-VANE-R) button.



NOTE: The right and left horizontal vanes set to the same level may not align perfectly.

(3) Positioning

To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

Confirmation of standard position is performed in the following cases:

(a) When the operation starts or finishes (including timer operation).
(b) When the test run starts.
(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO (@) mode

In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 4.

(5) STOP (operation OFF) and ON TIMER standby

In the following cases, the horizontal vane returns to the closed position.

(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) Dew prevention

During COOL or DRY operation with the vane angle at Angle 4 or 5 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 3 for dew prevention.

(7) SWING ( ) mode

By selecting SWING mode with VANE CONTROL button, the horizontal vanes swing vertically.
When COOL, DRY or FAN mode is selected, only the upper vane swings.

(8) Cold air prevention in HEAT operation

The horizontal vane position is set to Upward.

NOTE: When 2 or more indoor units are operated with multi outdoor unit, even if any indoor unit turns thermostat off, this control does not work in the indoor unit.

(9) ECONO COOL ( ) operation (ECONOmical operation)

When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 2°C higher by the microprocessor. However, the temperature on the LCD screen on the remote controller is not changed. Also the horizontal vane swings in various cycle.
SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.
To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, VANE CONTROL, POWERFUL or NATURAL FLOW button.

(10) POWERFUL ( ) operation

The air conditioner automatically adjusts the fan speed and the set temperature, and operates the POWERFUL mode. The POWERFUL mode is cancelled automatically 15 minutes after operation starts, or when POWERFUL button is pressed once again within 15 minutes after operation starts. The operation mode returns to the mode prior to POWERFUL operation. To cancel this operation manually, select a different mode or press one of the following buttons within 15 minutes after operation starts: STOP/OPERATE (OFF/ON), ECONO COOL, FAN SPEED CONTROL, NATURAL FLOW or i-save button.

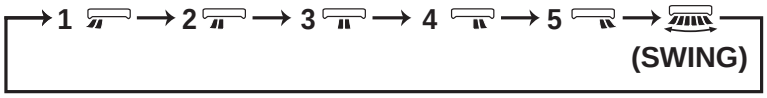
2. Vertical vane

(1) Vane motor drive

These models are equipped with a stepping motor for the vertical vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from microprocessor.

(2) The vertical vane angle and mode change as follows by pressing WIDE VANE CONTROL button.

(3) Positioning



To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

Confirmation of standard position is performed in the following cases:

(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER ON).

(4) SWING ( ) MODE

By selecting SWING mode with WIDE VANE CONTROL button, the vertical vane swings horizontally. The remote controller displays " ". Swing mode is cancelled when WIDE MODE CONTROL button is pressed once again.

g. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.

NOTE: Timer operation will not work without setting the current time. Initially “0:00” blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK button.

How to set the current time

(a) Press the CLOCK button.

(b) Press the TIME SET buttons (∧ and ∨) to set the current time.

- Each time FORWARD button (∧) is pressed, the set time increases by 1 minute, and each time BACKWARD button (∨) is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK set button.

(2) Press STOP/OPERATE (OFF/ON) button to start the air conditioner.

(3) Set the time of timer.

ON timer setting

(a) Press ON TIMER button(ON) during operation.

(b) Set the time of the timer using TIME SET buttons (∧ and ∨). ※

OFF timer setting

(a) Press OFF TIMER button (OFF) during operation.

(b) Set the time of the timer using TIME SET buttons (∧ and ∨). ※

※ Each time FORWARD button (∧) is pressed, the set time increases by 10 minutes: each time BACKWARD button (∨) is pressed, the set time decreases by 10 minutes.

2. To release the timer

To release ON timer, press ON TIMER button (ON).

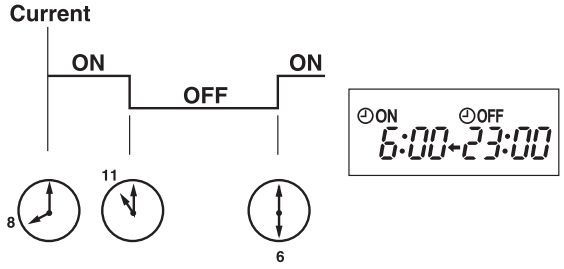
To release OFF timer, press OFF TIMER button(OFF).

TIMER is cancelled and the display of set time disappears.

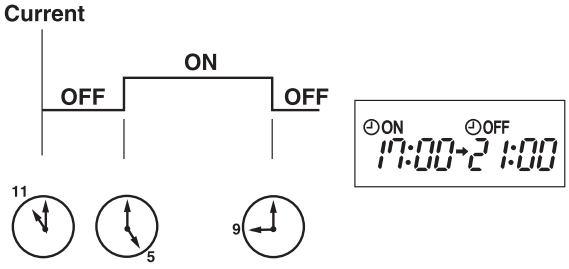
PROGRAM TIMER

- OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
- “⬅” and “➡” display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns off at 11:00 PM, and on at 6:00 AM.



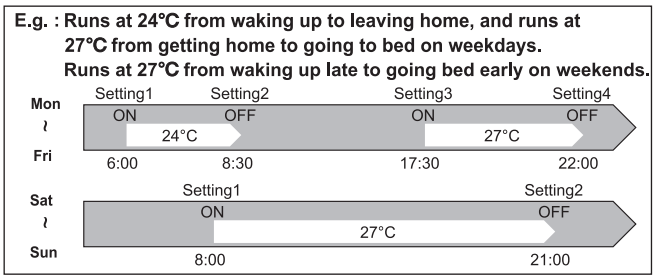
(Example 2) The current time is 11:00 AM.
The unit turns on at 5:00 PM, and off at 9:00 PM.



NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

h. WEEKLY TIMER OPERATION

• A maximum of 4 ON or OFF timers can be set for individual days of the week.
• A maximum of 28 ON or OFF timers can be set for a week.



NOTE:
• The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.
• When the weekly timer is set, temperature cannot be set to 10°C.
• The weekly timer operation and i-save operation cannot be used together.

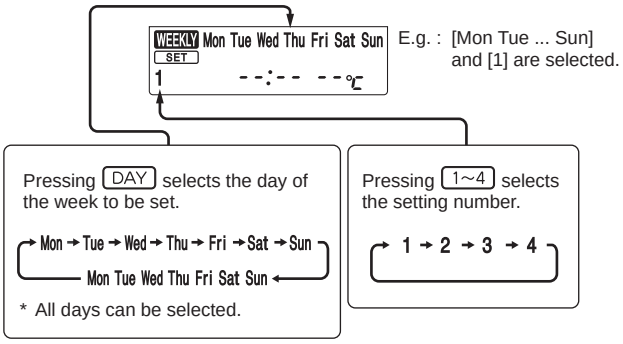
1. How to set the weekly timer

* Make sure that the current time and day are set correctly.

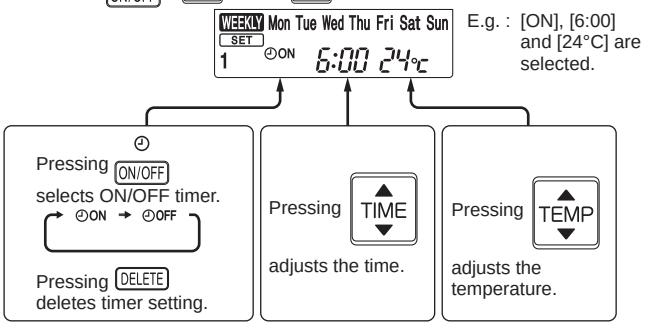
(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

* SET blinks.

(2) Press DAY and 1~4 buttons to select setting day and number.



(3) Press ON/OFF , TIME , and TEMP buttons to set ON/OFF, time, and temperature.



* Hold down the button to change the time quickly.
* The temperature can be set between 16°C and 31°C at weekly timer.

Press DAY and 1~4 buttons to continue setting the timer for other days and/or numbers.

(4) Press EDIT/SEND SET button to complete and transmit the weekly timer setting.

* SET which was blinking goes out, and the current time will be displayed.

NOTE:

- Press EDIT/SEND SET button to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
- When setting the timer for more than one day of the week or one number, EDIT/SEND SET button does not have to be pressed per each setting. Press EDIT/SEND SET button once after all the settings are complete. All the weekly timer settings will be saved.
- Press EDIT/SEND SET button to enter the weekly timer setting mode, and press and hold DELETE button for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

(5) Press WEEKLY TIMER ON/OFF button to turn the weekly timer ON. (WEEKLY lights.)

•When the weekly timer is ON, the day of the week whose timer setting is complete, will light.

Press WEEKLY TIMER ON/OFF button again to turn the weekly timer OFF. (WEEKLY goes out.)

NOTE:

The saved settings will not be cleared when the weekly timer is turned OFF.

2. Checking weekly timer setting

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

*SET blinks.

(2) Press DAY or 1~4 buttons to view the setting of the particular day or number.

(3) Press CANCEL button to exit the weekly timer setting.

NOTE:

When all days of the week are selected to view the settings and a different setting is included among them, --:-- --℃ will be displayed.

i. i-see CONTROL (🛋) MODE

In the i-see control mode, the room temperature is controlled based on the sensible temperature.

(1) Press SENSOR button with a thin instrument during COOL, DRY, HEAT and AUTO mode to activate i-see control mode (🛋). The default setting is “active”.

(2) Press SENSOR button again to activate ABSENCE DETECTION (🏠).

(3) Press SENSOR button again to release i-see control mode.

ABSENCE DETECTION (🏠)

This function automatically changes the operation to energy-saving operation when nobody is in the room.

(1) To activate this function, press SENSOR button until 🏠 appears on the operation display of the remote controller during the i-see control mode.

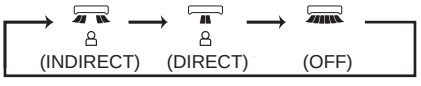
(2) Press SENSOR button again to release ABSENCE DETECTION.

j. INDIRECT/DIRECT MODE

The INDIRECT/DIRECT mode offers finely-tuned operation by locating where an occupant is in the room.

(1) Press INDIRECT/DIRECT button during COOL, DRY, HEAT or AUTO mode to activate INDIRECT/DIRECT mode. This mode is only available when the i-see control mode is effective.

(2) Each press of INDIRECT/DIRECT button changes INDIRECT/DIRECT in the following order:



(INDIRECT): An occupant will be less exposed to direct airflow.

(DIRECT) : Mainly the vicinity of an occupant will be air-conditioned.

NOTE:

- Horizontal and vertical airflow directions will be automatically selected.
- If you still feel uncomfortable with the air direction determined by the INDIRECT mode, adjust the air direction manually.
- Cancelling the i-see control mode automatically cancels the INDIRECT/DIRECT mode. INDIRECT/DIRECT mode is also cancelled when the VANE or WIDE VANE buttons is pressed.
- Do not touch the i-see SENSOR. This may cause malfunction of the i-see SENSOR.

k. NATURAL FLOW (≋) OPERATION

In NATURAL FLOW operation, air flow will become more like natural wind. An occupant will not be directly exposed to the air flow and feel more comfortable.

(1) Press NATURAL FLOW button during COOL or FAN mode to start NATURAL FLOW operation.
(2) Press NATURAL FLOW button again to cancel NATURAL FLOW operation.
• NATURAL FLOW operation is also cancelled when the POWERFUL or ECONO COOL button is pressed.

NOTE: As the fan speed changes constantly during NATURAL FLOW operation, the sound of air flow, wind velocity and air flow temperature also change. This is not a malfunction.

l. AIR PURIFYING (✨) OPERATION

In the AIR PURIFYING operation, the indoor unit built-in device reduces airborne fungi, viruses, mold, and allergens.

(1) Press PURIFIER button to start AIR PURIFYING operation.
• AIR PURIFYING lamp turns on. (Display section)
(2) Press PURIFIER button again to cancel AIR PURIFYING operation.
• AIR PURIFYING lamp turns off. (Display section)

NOTE:

• Never touch the air purifying device during operation. Although the air purifying device is safety-conscious design, touching this device could be the cause of trouble as this device discharge high voltage electricity.
• A "hissing" sound may be heard during the air purifying operation. This sound is produced when plasma is being discharged. This is not a malfunction.
• AIR PURIFYING lamp does not turn on if the front panel is not closed completely.

m. i-save (i-save) OPERATION

1. How to set i-save operation

(1) Press STOP/OPERATE (OFF/ON) button.
(2) Select COOL, HEAT or ECONO COOL mode.
(3) Press i-save button.
(4) Set the temperature, fan speed, and airflow direction for i-save operation.

NOTE:

• i-save operation cannot be selected during DRY or AUTO mode operation.
• The setting range of HEAT mode i-save operation is 10°C and 16 - 31°C.
• 2 groups of setting can be saved. (One for COOL/ECONO COOL, one for HEAT)
• i-save operation and the weekly timer operation cannot be used together.

2. How to cancel operation

• Press i-save button again.
• i-save operation can also be cancelled by pressing POWERFUL button or OPERATION SELECT button to change the operation mode.
The same setting is select from the next time by simply pressing i-save button.

n. EMERGENCY/TEST OPERATION

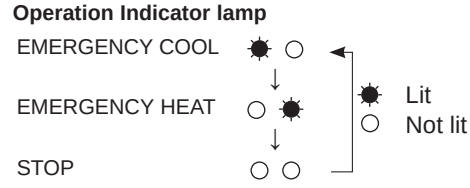
In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit.
Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down.
The unit will start and OPERATION INDICATOR lamp will light up.
The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C. The fan speed shifts to Med.
The coil frost prevention works even in the test run or the emergency operation.
In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

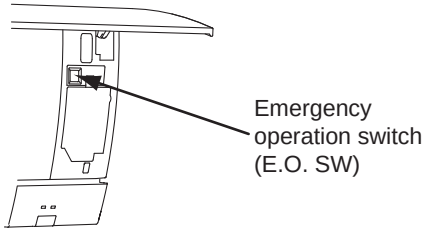
NOTE: Do not press EMERGENCY OPERATION switch during normal operation.

Operation mode	COOL/HEAT
Set temperature	24°C
Fan speed	Med.
Horizontal vane	Auto

The operation mode is indicated by the Operation Indicator lamp as following

Operation Indicator lamp





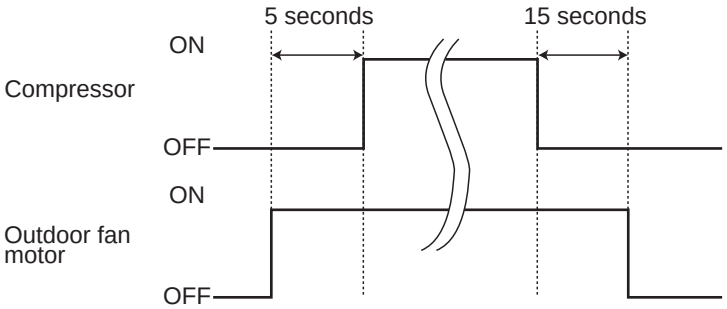
o. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

p. ACTUATOR CONTROL

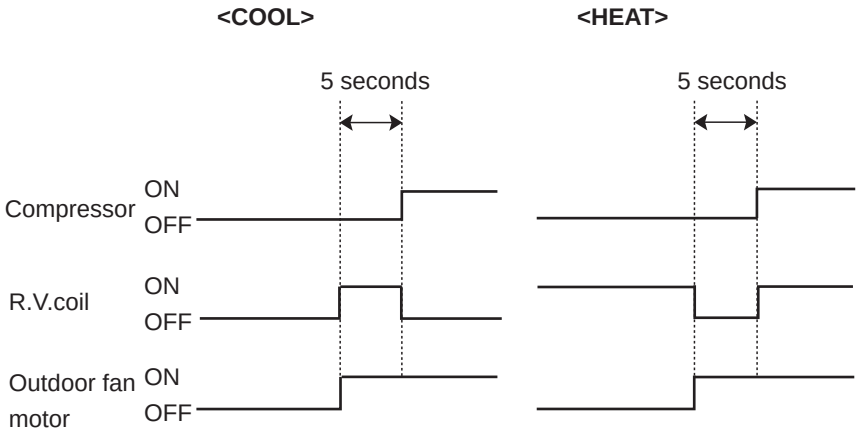
p-1. Outdoor fan motor control

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



p-2. R.V. coil control

Heating · · · · · · · · · · · · · · · · · ON
Cooling · · · · · · · · · · · · · · · · · OFF
Dry · · · · · · · · · · · · · · · · · · · OFF
NOTE: The 4-way valve reverses for 5 seconds right before start-up of the compressor.



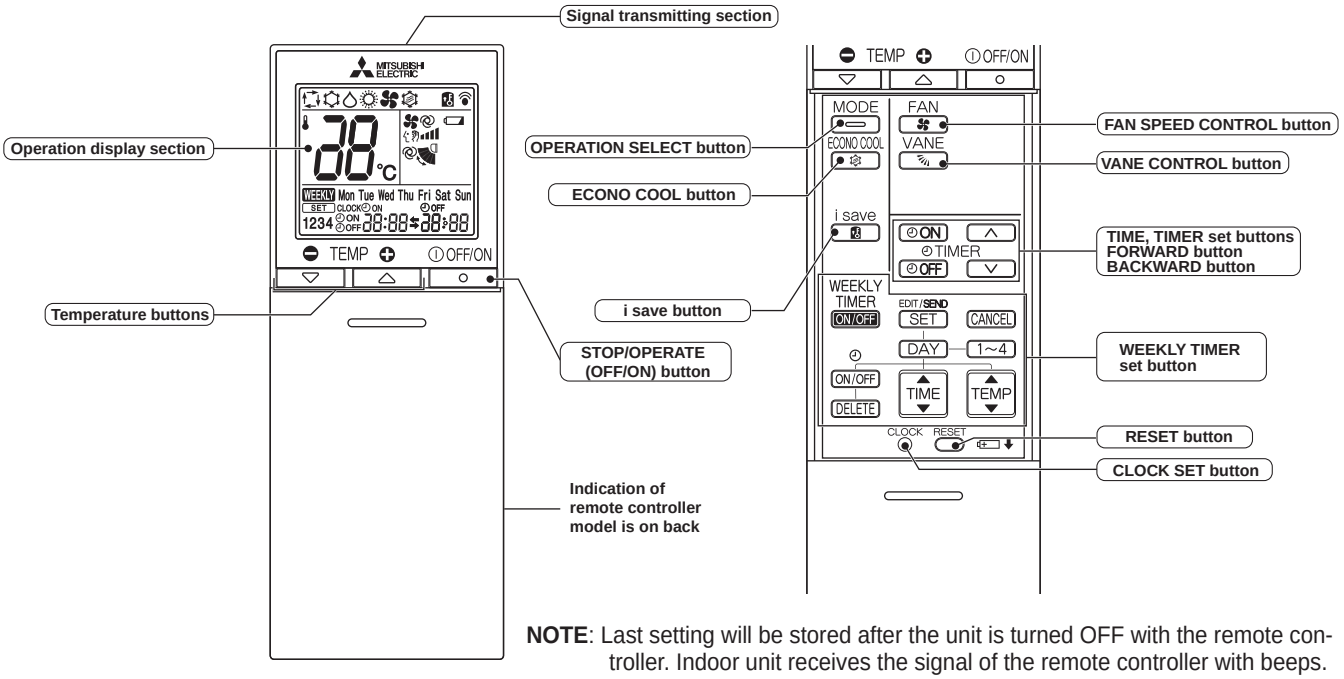
p-3. Relation between main sensor and actuator

Sensor	Purpose	Actuator					
		Compressor	LEV	Outdoor fan motor	R.V.coil	Indoor fan motor	Defrost heater
Discharge temperature thermistor	Protection	○	○				
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○					
	Heating: High pressure protection	○	○				
Defrost thermistor	Heating: Defrosting	○	○	○	○	○	
Fin temperature thermistor	Protection	○		○			
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Heating: Defrosting (Heater)						○
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Cooling: High pressure protection	○	○	○			

C.1.9.7 MSZ-EF•VG/K, SF•VE3 Series

MSZ-EF18VGW	**MSZ-EF18VGB**	**MSZ-EF18VGS**		
MSZ-EF18VGKW	**MSZ-EF18VGKB**	**MSZ-EF18VGKS**		
MSZ-EF22VGW	**MSZ-EF22VGB**	**MSZ-EF22VGS**		
MSZ-EF22VGKW	**MSZ-EF22VGKB**	**MSZ-EF22VGKS**		
MSZ-EF25VGW	**MSZ-EF25VGB**	**MSZ-EF25VGS**	**MUZ-EF25VG**	**MUZ-EF25VGH**
MSZ-EF25VGKW	**MSZ-EF25VGKB**	**MSZ-EF25VGKS**		
MSZ-EF35VGW	**MSZ-EF35VGB**	**MSZ-EF35VGS**	**MUZ-EF35VG**	**MUZ-EF35VGH**
MSZ-EF35VGKW	**MSZ-EF35VGKB**	**MSZ-EF35VGKS**		
MSZ-EF42VGW	**MSZ-EF42VGB**	**MSZ-EF42VGS**	**MUZ-EF42VG**	
MSZ-EF42VGKW	**MSZ-EF42VGKB**	**MSZ-EF42VGKS**		
MSZ-EF50VGW	**MSZ-EF50VGB**	**MSZ-EF50VGS**	**MUZ-EF50VG**	
MSZ-EF50VGKW	**MSZ-EF50VGKB**	**MSZ-EF50VGKS**		
MSZ-SF25VE3	**MUZ-SF25VE**	**MUZ-SF25VEH**		
MSZ-SF35VE3	**MUZ-SF35VE**	**MUZ-SF35VEH**		
MSZ-SF42VE3	**MUZ-SF42VE**	**MUZ-SF42VEH**		
MSZ-SF50VE3	**MUZ-SF50VE**	**MUZ-SF50VEH**		

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 2°C or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 1 to 2°C from set temperature
☀ ☼	Standby mode (Only during multi system operation)	—

☀ Lit
☼ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press / STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 16 - 31°C.

1. Coil frost prevention
The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation
When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

3. Indoor fan speed control
When the thermostat turns OFF, the indoor fan operates very Low to reduce power consumption.
When the room temperature rises and the thermostat is ON, the indoor fan operates according to the settings on the remote controller.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention
Coil frost prevention works the same way as that in COOL mode. (a.1.)

2. Low outside temperature operation
Low outside temperature operation works the same way as that in COOL mode. (a.2.)

3. Indoor fan speed control
Indoor fan speed control works the same way as that in COOL mode. (a.3.)

c. FAN (✿) OPERATION

(1) OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select FAN mode with OPERATION SELECT button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates.
Outdoor unit does not operate.

d. HEAT (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 16 - 31°C.

1. Cold air prevention control
When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection
The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting
Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor restarts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

e. AUTO CHANGE OVER ··· AUTO MODE OPERATION

Once desired temperature is set, unit operation is switched automatically between COOL and HEAT operation.

Mode selection

(1) Initial mode
When unit starts the operation with AUTO operation from OFF:
- If the room temperature is higher than the set temperature, operation starts in COOL mode.
- If the room temperature is equal to or lower than the set temperature, operation starts in HEAT mode.

(2) Mode change
COOL mode changes to HEAT mode when about 15 minutes have passed with the room temperature 1°C below the set temperature.
HEAT mode changes to COOL mode when about 15 minutes have passed with the room temperature 1°C above the set temperature.

NOTE 1

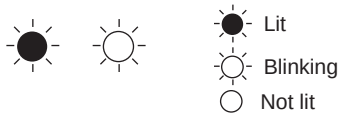
If 2 or more indoor units are operating in multi system, there might be a case that the indoor unit, which is operating in ▭ (AUTO), cannot change over to the other operating mode (COOL ↔ HEAT) and becomes a state of standby.
Refer to **NOTE 2 "FOR MULTI SYSTEM AIR CONDITIONER"**.

NOTE 2
FOR MULTI SYSTEM AIR CONDITIONER
OUTDOOR UNIT: MXZ series

Multi system air conditioner can connect 2 or more indoor units with one outdoor unit.

- When you try to operate 2 or more indoor units with one outdoor unit simultaneously, one for the cooling and the others for heating, the operation mode of the indoor unit that operates first is selected. Other indoor units cannot operate, and operation indicator lamp blinks as shown in the figure below. In this case, please set all the indoor units to the same operation mode.

OPERATION INDICATOR



- When indoor unit starts the operation while the defrosting of outdoor unit is being done, it takes a few minutes (max. 10 minutes) to blow out the warm air.
- In the heating operation, though indoor unit that does not operate may get warm or the sound of refrigerant flowing may be heard, they are not malfunction. The reason is that the refrigerant continuously flows into it.

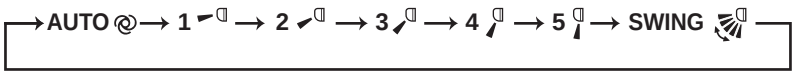
f. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive

These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL button.



(3) Positioning

To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

Confirming of standard position is performed in the following cases:

(a) When the operation starts or finishes (including timer operation).
(b) When the test run starts.
(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO (@) mode

In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 4.

(5) STOP (operation OFF) and ON TIMER standby

In the following cases, the horizontal vane returns to the closed position.

(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) Dew prevention

During COOL or DRY operation with the vane angle at Angle 4 or 5 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 1 for dew prevention.

(7) SWING ( ) mode

By selecting SWING mode with VANE CONTROL button, the horizontal vanes swing vertically.
When COOL, DRY or FAN mode is selected, only the upper vane swings.

(8) Cold air prevention in HEAT operation

The horizontal vane position is set to Upward.

NOTE: When 2 or more indoor units are operated with multi outdoor unit, even if any indoor unit turns thermostat off, this control does not work in the indoor unit.

(9) ECONO COOL (🌿) operation (ECONOmical operation)

When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 2°C higher by microprocessor. However, the temperature on the LCD screen on the remote controller is not changed.
Also the horizontal vane swings in various cycle.
SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.
To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, or VANE CONTROL button.

g. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.

NOTE: Timer operation will not work without setting the current time. Initially "0:00" blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK SET button.

How to set the current time

(a) Press the CLOCK set button.
(b) Press the TIME SET buttons (∧ and ∨) to set the current time.
- Each time FORWARD button (∧) is pressed, the set time increases by 1 minute, and each time BACKWARD button (∨) is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK set button.

(2) Press STOP/OPERATE (OFF/ON) button to start the air conditioner.

(3) Set the time of timer.

ON timer setting

(a) Press ON TIMER button(ON) during operation.
(b) Set the time of the timer using TIME SET buttons (∧ and ∨).※

OFF timer setting

(a) Press OFF TIMER button (OFF) during operation.
(b) Set the time of the timer using TIME SET buttons (∧ and ∨).※

※ Each time FORWARD button (∧) is pressed, the set time increases by 10 minutes: each time BACKWARD button (∨) is pressed, the set time decreases by 10 minutes.

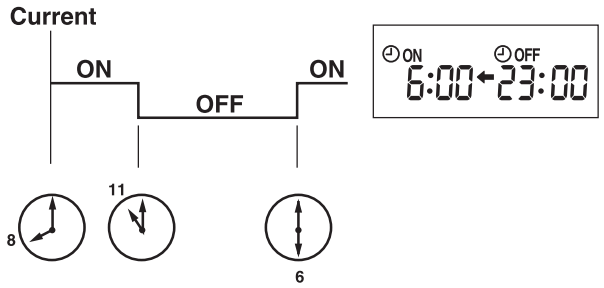
2. To release the timer

To release ON timer, press ON TIMER button (ON).
To release OFF timer, press OFF TIMER button(OFF).
TIMER is cancelled and the display of set time disappears.

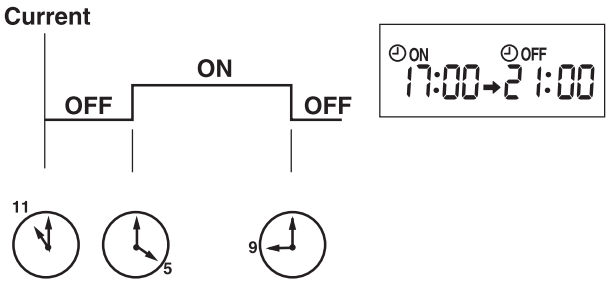
PROGRAM TIMER

- OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
- " ⬅ " and " ➡ " display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns off at 11:00 PM, and on at 6:00 AM.



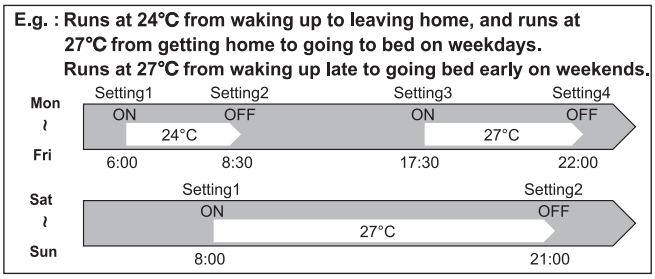
(Example 2) The current time is 11:00 AM.
The unit turns on at 5:00 PM, and off at 9:00 PM.



NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

h. WEEKLY TIMER OPERATION

• A maximum of 4 ON or OFF timers can be set for individual days of the week.
• A maximum of 28 ON or OFF timers can be set for a week.



NOTE:
• The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.
• When the weekly timer is set, temperature cannot be set to 10°C.
• The weekly timer operation and i-save operation cannot be used together.

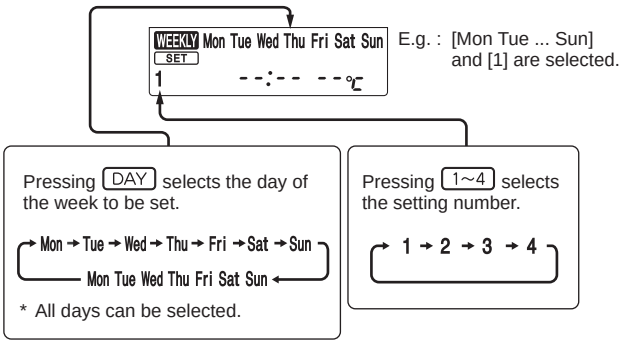
1. How to set the weekly timer

* Make sure that the current time and day are set correctly.

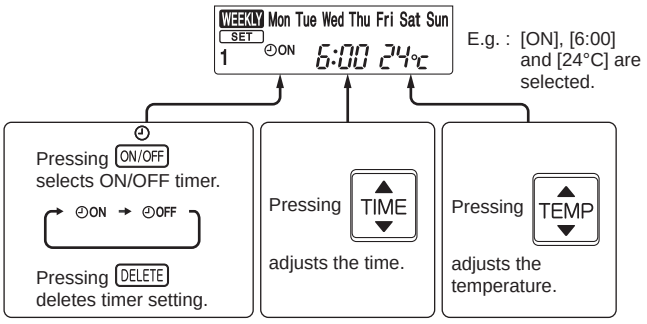
(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

* SET blinks.

(2) Press DAY and 1~4 buttons to select setting day and number.



(3) Press ON/OFF , TIME , and TEMP buttons to set ON/OFF, time, and temperature.



* Hold down the button to change the time quickly.

Press DAY and 1~4 buttons to continue setting the timer for other days and/or numbers.

(4) Press EDIT/SEND SET button to complete and transmit the weekly timer setting.

* SET which was blinking goes out, and the current time will be displayed.

NOTE:

- Press EDIT/SEND SET button to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
- When setting the timer for more than one day of the week or one number, EDIT/SEND SET button does not have to be pressed per each setting. Press EDIT/SEND SET button once after all the settings are complete. All the weekly timer settings will be saved.
- Press EDIT/SEND SET button to enter the weekly timer setting mode, and press and hold DELETE button for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

(5) Press WEEKLY TIMER ON/OFF button to turn the weekly timer ON. (WEEKLY lights.)

•When the weekly timer is ON, the day of the week whose timer setting is complete, will light.

Press WEEKLY TIMER ON/OFF button again to turn the weekly timer OFF. (WEEKLY goes out.)

NOTE:
The saved settings will not be cleared when the weekly timer is turned OFF.

2. Checking weekly timer setting

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.
*SET blinks.

(2) Press DAY or 1~4 buttons to view the setting of the particular day or number.

(3) Press CANCEL button to exit the weekly timer setting.

NOTE:
When all days of the week are selected to view the settings and a different setting is included among them, --:-- --℃ will be displayed.

i. i-save (i-save) OPERATION

1. How to set i-save operation

(1) Press STOP/OPERATE (OFF/ON) button.
(2) Select COOL, HEAT or ECONO COOL mode.
(3) Press i-save button.
(4) Set the temperature, fan speed, and airflow direction for i-save operation.

NOTE:

- i-save operation cannot be selected during DRY or AUTO mode operation.
- The setting range of HEAT mode i-save operation is 10°C and 16 - 31°C.
- 2 groups of setting can be saved. (One for COOL/ECONO COOL, one for HEAT)
- i-save operation and the weekly timer operation cannot be used together.

2. How to cancel operation

- Press i-save button again.
- i-save operation can also be cancelled by pressing OPERATION SELECT button to change the operation mode.

The same setting is select from the next time by simply pressing i-save button.

j. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.

The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.

After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C. The fan speed shifts to Med.

The coil frost prevention works even in the test run or the emergency operation.

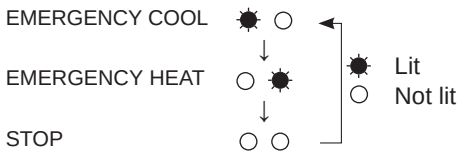
In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.

Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case normal operation will start.

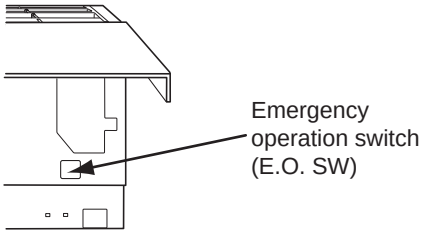
Operation mode	COOL/HEAT
Set temperature	24°C
Fan speed	Med.
Horizontal vane	Auto

The operation mode is indicated by the Operation Indicator lamp as following

Operation Indicator lamp



NOTE: Do not press EMERGENCY OPERATION switch during normal operation.



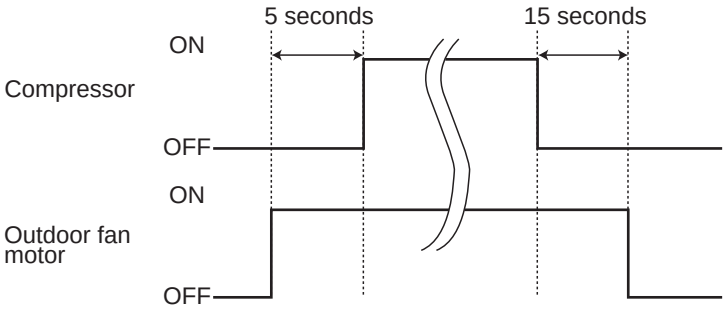
k. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

I. ACTUATOR CONTROL

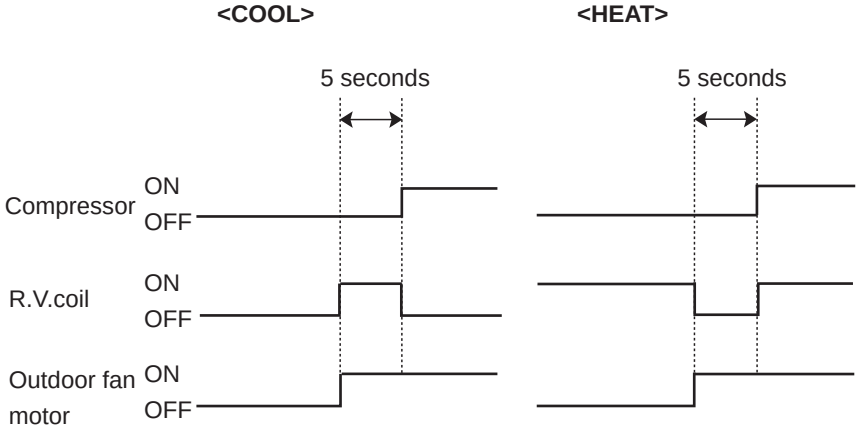
I-1. Outdoor fan motor control

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



I-2. R.V. coil control

Heating · · · · · · · · · · · · · · · · · ON
Cooling · · · · · · · · · · · · · · · · · OFF
Dry · · · · · · · · · · · · · · · · · · · OFF
NOTE: The 4-way valve reverses for 5 seconds right before start-up of the compressor.



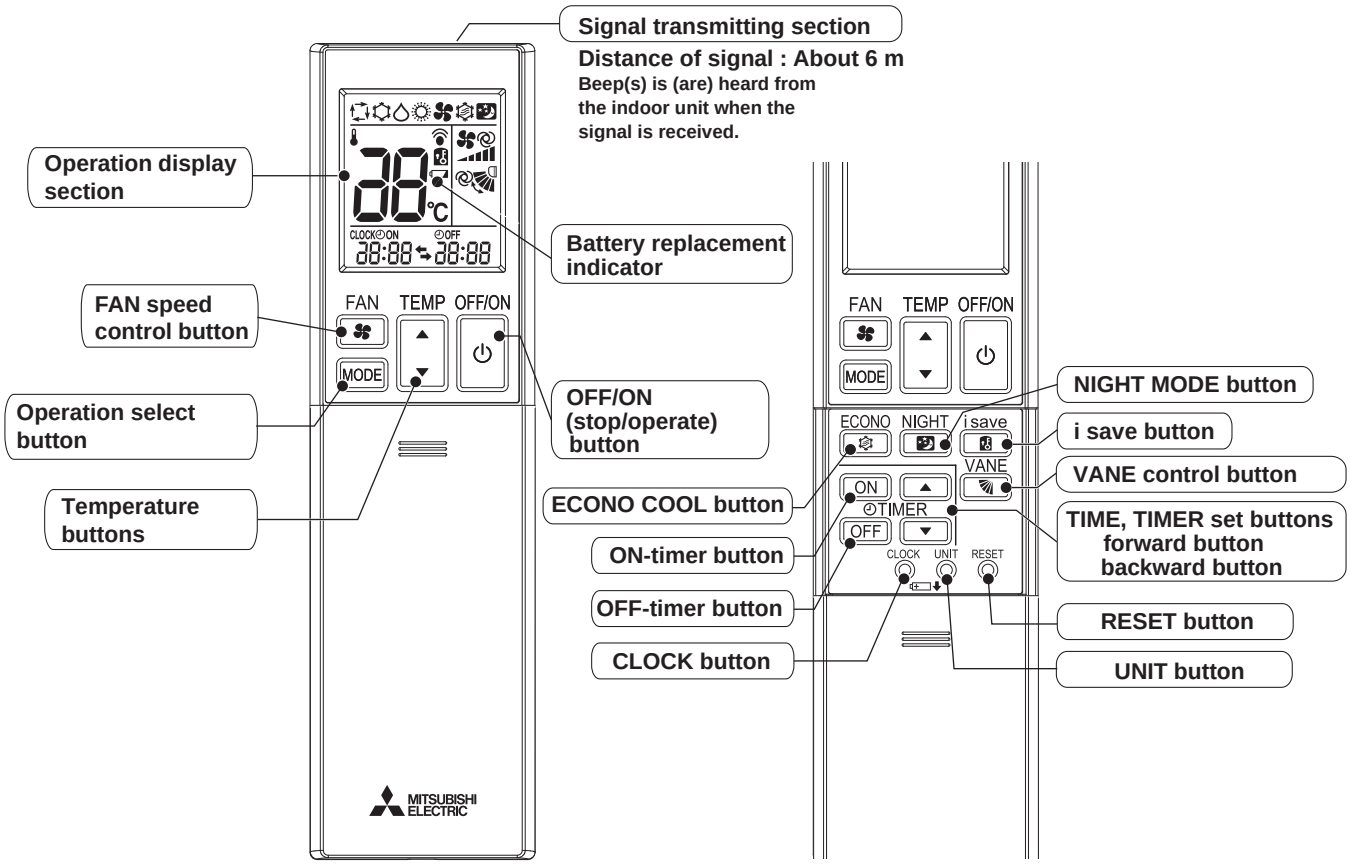
I-3. Relation between main sensor and actuator

Sensor	Purpose	Actuator					
		Compressor	LEV	Outdoor fan motor	R.V.coil	Indoor fan motor	Defrost heater
Discharge temperature thermistor	Protection	○	○				
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○					
	Heating: High pressure protection	○	○				
Defrost thermistor	Heating: Defrosting	○	○	○	○	○	
Fin temperature thermistor	Protection	○		○			
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Heating: Defrosting (Heater)						○
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Cooling: High pressure protection	○	○	○			

C.1.9.8 MSZ-BT•VG/K Series

MSZ-BT20VG MSZ-BT25VG MSZ-BT35VG MSZ-BT50VG
MSZ-BT20VGK MSZ-BT25VGK MSZ-BT35VGK MSZ-BT50VGK
MUZ-BT20VG MUZ-BT25VG MUZ-BT35VG MUZ-BT50VG

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 2°C or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 1 to 2°C from set temperature
☀ ☼	Standby mode (only during multi system operation)	—

☀ Lit
☼ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press OFF/ON (stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with Operation select button.
(3) Press Temperature buttons (TOO WARM or TOO COOL button) to select the desired temperature. The setting range is 16 - 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation

When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

b. DRY (△) OPERATION

(1) Press OFF/ON (stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with Operation select button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention

Coil frost prevention works the same way as that in COOL mode. (a.1.)

2. Low outside temperature operation

Low outside temperature operation works the same way as that in COOL mode. (a.2.)

c. FAN(✿)OPERATION

(1) Press OFF/ON (stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns ON with a beep tone.
(2) Select FAN mode with Operation select button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates. Outdoor unit does not operate.

d. HEAT (☼) OPERATION

(1) Press OFF/ON (stop/operate) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with Operation select button.
(3) Press Temperature buttons (TOO WARM or TOO COOL button) to select the desired temperature.
The setting range is 10 ~ 31°C.

1. Cold air prevention control

When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting

Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor restarts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

e. MULTI SYSTEM OPERATION

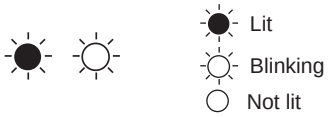
FOR MULTI SYSTEM AIR CONDITIONER

OUTDOOR UNIT: MXZ series

Multi system air conditioner can connect 2 or more indoor units with 1 outdoor unit.

- When you try to operate 2 or more indoor units with 1 outdoor unit simultaneously, one for the cooling and the others for heating, the operation mode of the indoor unit that operates first is selected. Other indoor units cannot operate, and operation indicator lamp blinks as shown in the figure below. In this case, please set all the indoor units to the same operation mode.

OPERATION INDICATOR



- When indoor unit starts the operation while the defrosting of outdoor unit is being done, it takes a few minutes (max. 10 minutes) to blow out the warm air.
- In the heating operation, though indoor unit is not operating, it may get warm or the sound of refrigerant flow may be heard. It is not malfunction. The reason is that the refrigerant continuously flows into it.

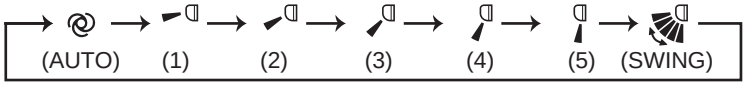
f. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive

These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE control button.



(3) Positioning

To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

Confirmation of standard position is performed in the following cases:

(a) When the operation starts or finishes (including timer operation).

(b) When the test run starts.

(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO (@) mode

In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 5.

(5) STOP (operation OFF) and ON TIMER standby

In the following cases, the horizontal vane returns to the closed position.

(a) When OFF/ON (stop/operate) button is pressed (POWER OFF).

(b) When the operation is stopped by the emergency operation.

(c) When ON TIMER is ON standby.

(6) Dew prevention

During COOL or DRY operation with the vane angle at Angle 3 to 5 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 2 for dew prevention.

(7) SWING ( ) mode

By selecting SWING mode with VANE control button, the horizontal vane swings vertically.

(8) ECONO COOL (@) operation (ECONOmical operation)

When ECONO COOL button is pressed in COOL mode, set temperature and the air flow direction is automatically changed by the microprocessor. However, the temperature on the LCD screen on the remote controller is not changed. Also the horizontal vane swings in various cycle.

SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.

To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, VANE control button.

g. TIMER OPERATION (ON/OFF TIMER)

1. How to set the timer

(1) Press ON or OFF during operation to set the timer.

(2) ON (ON timer) : The unit turns ON at the set time.

OFF (OFF timer) : The unit turns OFF at the set time.

(3) Press ▲ (forward) and ▼ (backward) to set the time of timer.

h. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch in the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.

The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.

After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C. The fan speed shifts to Medium.

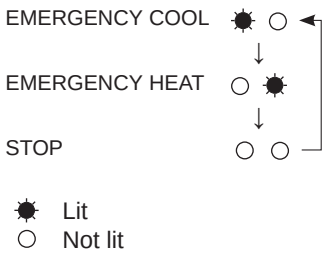
The coil frost prevention works even in the test run or the emergency operation.

In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.

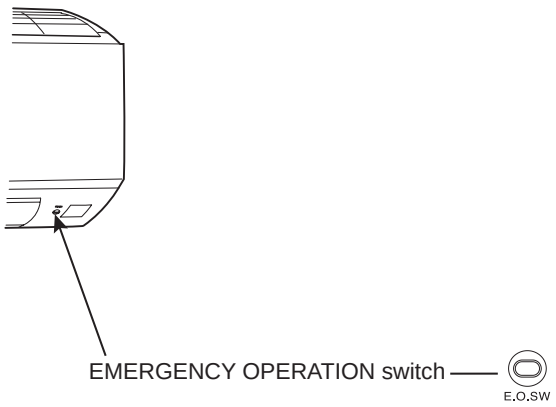
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

Operation mode	COOL/HEAT
Set temperature	24°C
Fan speed	Medium
Horizontal vane	Auto

The operation mode is indicated by the Operation Indicator lamp as following Operation Indicator lamp



NOTE: Do not press EMERGENCY OPERATION switch during normal operation.



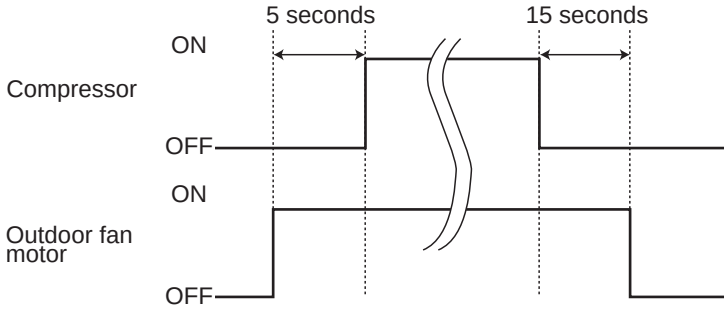
i. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

j. ACTUATOR CONTROL

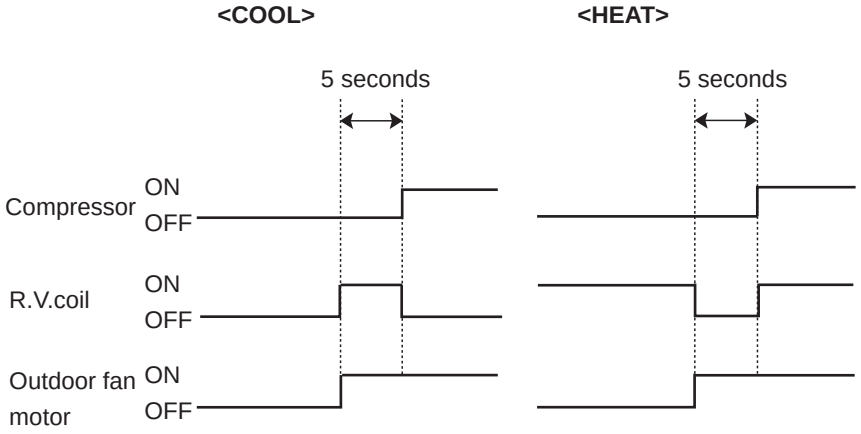
j-1. OUTDOOR FAN MOTOR CONTROL

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



j-2. R.V. COIL CONTROL

Heating · · · · · · · · · · · · · · · · · ON
Cooling · · · · · · · · · · · · · · · · · OFF
Dry · · · · · · · · · · · · · · · · · · · OFF
NOTE: The 4-way valve reverses for 5 seconds right before start-up of the compressor.

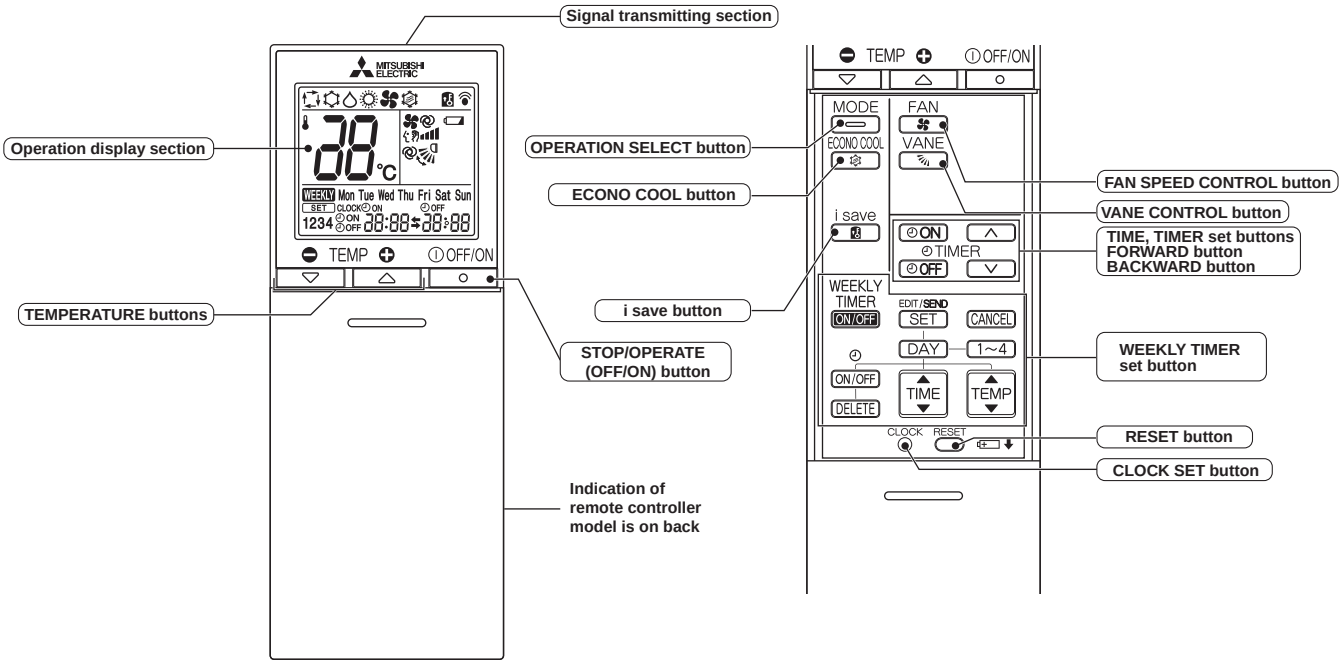


j-3. RELATION BETWEEN MAIN SENSOR AND ACTUATOR

Sensor	Purpose	Actuator				
		Compressor	LEV	Outdoor fan motor	R.V. coil	Indoor fan motor
Discharge temperature thermistor	Protection	○	○			
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○				
	Heating: High pressure protection	○	○			
Defrost thermistor	Heating: Defrosting	○	○	○	○	○
Fin temperature thermistor	Protection	○		○		
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○		
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○		
	Cooling: High pressure protection	○	○	○		

C.1.9.9 MSZ-SF•VA Series
MSZ-SF15VA
MSZ-SF20VA

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
■ ■	The unit is operating to reach the set temperature	About 2°C or more away from set temperature
■ □	The room temperature is approaching the set temperature	About 1 to 2°C from set temperature
■ ▯	Standby mode (Only during multi system operation)	—

■ Lit
▯ Blinking
□ Not lit

a. COOL (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TEMP ⊖ or ⊕ button) to select the desired temperature. The setting range is 16 - 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation

When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention

Coil frost prevention works the same way as that in COOL mode. (a.1.)

2. Low outside temperature operation

Low outside temperature operation works the same way as that in COOL mode. (a.2.)

c. FAN (✾) OPERATION

(1) OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select FAN mode with OPERATION SELECT button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates.
Outdoor unit does not operate.

d. HEAT (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TEMP ⊖ or ⊕ button) to select the desired temperature. The setting range is 16 - 31°C.

1. Cold air prevention control

When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting

Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor restarts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

e. AUTO CHANGE OVER ··· AUTO MODE OPERATION

Once desired temperature is set, unit operation is switched automatically between COOL and HEAT operation.

Mode selection

(1) Initial mode

When unit starts the operation with AUTO operation from OFF:

- If the room temperature is higher than the set temperature, operation starts in COOL mode.
- If the room temperature is equal to or lower than the set temperature, operation starts in HEAT mode.

(2) Mode change

COOL mode changes to HEAT mode when about 15 minutes has passed with the room temperature 1°C below the set temperature.

HEAT mode changes to COOL mode when about 15 minutes has passed with the room temperature 1°C above the set temperature.

NOTE 1

If 2 or more indoor units are operating in multi system, there might be a case that the indoor unit, which is operating in ▭ (AUTO), cannot change over to the other operating mode (COOL ↔ HEAT) and becomes a state of standby.

Refer to **NOTE 2 "FOR MULTI SYSTEM AIR CONDITIONER"**.

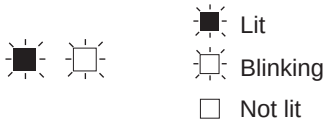
NOTE 2

FOR MULTI SYSTEM AIR CONDITIONER OUTDOOR UNIT: MXZ series

Multi system air conditioner can connect 2 or more indoor units with one outdoor unit.

- When you try to operate 2 or more indoor units with one outdoor unit simultaneously, one for the cooling and the others for heating, the operation mode of the indoor unit that operates first is selected. Other indoor units cannot operate, and operation indicator lamp blinks as shown in the figure below. In this case, please set all the indoor units to the same operation mode.

OPERATION INDICATOR



- When indoor unit starts the operation while the defrosting of outdoor unit is being done, it takes a few minutes (max. 10 minutes) to blow out the warm air.
- In the heating operation, though indoor unit that does not operate may get warm or the sound of refrigerant flowing may be heard, they are not malfunction. The reason is that the refrigerant continuously flows into it.

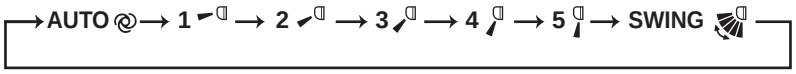
f. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive

These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL button.



(3) Positioning

To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

Confirming of standard position is performed in the following cases:

(a) When the operation starts or finishes (including timer operation).

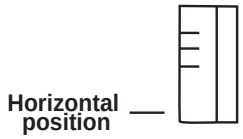
(b) When the test run starts.

(c) When standby mode (only during multi system operation) starts or finishes.

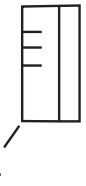
(4) VANE AUTO (@) mode

In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.



In HEAT operation
Vane angle is fixed to Angle 4.



(5) STOP (operation OFF) and ON TIMER standby
In the following cases, the horizontal vane returns to the closed position.
(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) Dew prevention
During COOL or DRY operation with the vane angle at Angle 4 or 5 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 1 for dew prevention.

(7) SWING ( ) mode
By selecting SWING mode with VANE CONTROL button, the horizontal vane swings vertically.

(8) Cold air prevention in HEAT operation
The horizontal vane position is set to Upward.
NOTE: When 2 or more indoor units are operated with multi outdoor unit, even if any indoor unit turns thermostat off, this control does not work in the indoor unit.

(9) ECONO COOL ( ) operation (ECONOmical operation)
When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 2°C higher by the microprocessor. However, the temperature on the LCD screen on the remote controller is not changed.
Also the horizontal vane swings in various cycle.
SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.
To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, VANE CONTROL button.

g. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.
NOTE: Timer operation will not work without setting the current time. Initially “0:00” blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK SET button.

How to set the current time
(a) Press the CLOCK set button.
(b) Press the TIME SET buttons (and) to set the current time.
- Each time FORWARD button ( ) is pressed, the set time increases by 1 minute, and each time BACKWARD button ( ) is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK set button.

(2) Press STOP/OPERATE (OFF/ON) button to start the air conditioner.

(3) Set the time of timer.

ON timer setting
(a) Press ON TIMER button( ) during operation.
(b) Set the time of the timer using TIME SET buttons (and). ※

OFF timer setting
(a) Press OFF TIMER button ( ) during operation.
(b) Set the time of the timer using TIME SET buttons (and). ※

※ Each time FORWARD button ( ) is pressed, the set time increases by 10 minutes: each time BACKWARD button ( ) is pressed, the set time decreases by 10 minutes.

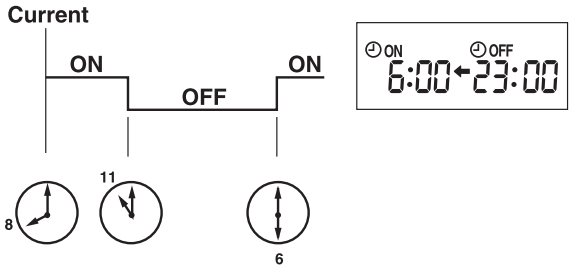
2. To release the timer

To release ON timer, press ON TIMER button ( ).
To release OFF timer, press OFF TIMER button( ).
TIMER is cancelled and the display of set time disappears.

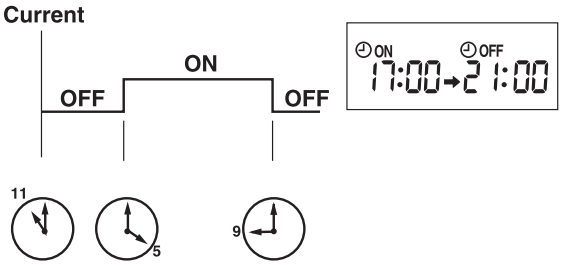
PROGRAM TIMER

• OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
• " ⬅ " and " ➡ " display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns off at 11:00 PM, and on at 6:00 AM.



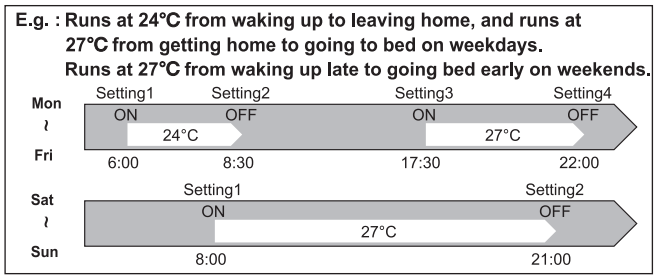
(Example 2) The current time is 11:00 AM.
The unit turns on at 5:00 PM, and off at 9:00 PM.



NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

h. WEEKLY TIMER OPERATION

• A maximum of 4 ON or OFF timers can be set for individual days of the week.
• A maximum of 28 ON or OFF timers can be set for a week.



NOTE:
• The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.
• When the weekly timer is set, temperature cannot be set to 10°C.
• The weekly timer operation and i-save operation cannot be used together.

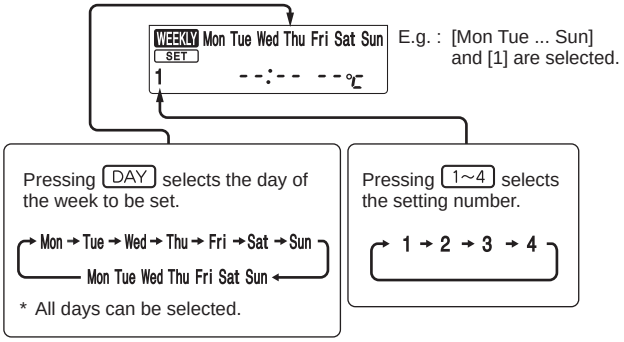
1. How to set the weekly timer

* Make sure that the current time and day are set correctly.

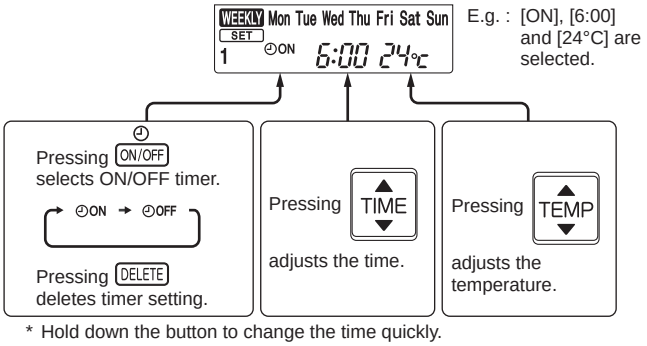
(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

* SET blinks.

(2) Press DAY and 1~4 buttons to select setting day and number.



(3) Press ON/OFF , TIME , and TEMP buttons to set ON/OFF, time, and temperature.



* Hold down the button to change the time quickly.

Press DAY and 1~4 buttons to continue setting the timer for other days and/or numbers.

(4) Press EDIT/SEND SET button to complete and transmit the weekly timer setting.

* SET which was blinking goes out, and the current time will be displayed.

NOTE:

- Press EDIT/SEND SET button to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
- When setting the timer for more than one day of the week or one number, EDIT/SEND SET button does not have to be pressed per each setting. Press EDIT/SEND SET button once after all the settings are complete. All the weekly timer settings will be saved.
- Press EDIT/SEND SET button to enter the weekly timer setting mode, and press and hold DELETE button for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

(5) Press WEEKLY TIMER ON/OFF button to turn the weekly timer ON. (WEEKLY lights.)

•When the weekly timer is ON, the day of the week whose timer setting is complete, will light.

Press WEEKLY TIMER ON/OFF button again to turn the weekly timer OFF. (WEEKLY goes out.)

NOTE:
The saved settings will not be cleared when the weekly timer is turned OFF.

2. Checking weekly timer setting

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.
*SET blinks.

(2) Press DAY or 1~4 buttons to view the setting of the particular day or number.

(3) Press CANCEL button to exit the weekly timer setting.

NOTE:
When all days of the week are selected to view the settings and a different setting is included among them, --:-- --℃ will be displayed.

i. i-save (i-save) OPERATION

1. How to set i-save operation

(1) Press STOP/OPERATE (OFF/ON) button.
(2) Select COOL, HEAT or ECONO COOL mode.
(3) Press i-save button.
(4) Set the temperature, fan speed, and airflow direction for i-save operation.

NOTE:

- i-save operation cannot be selected during DRY or AUTO mode operation.
- The setting range of HEAT mode i-save operation is 10°C and 16 - 31°C.
- 2 groups of setting can be saved. (One for COOL/ECONO COOL, one for HEAT)
- i-save operation and the weekly timer operation cannot be used together.

2. How to cancel operation

- Press i-save button again.
- i-save operation can also be cancelled by pressing OPERATION SELECT button to change the operation mode.

The same setting is selected from the next time by simply pressing i-save button.

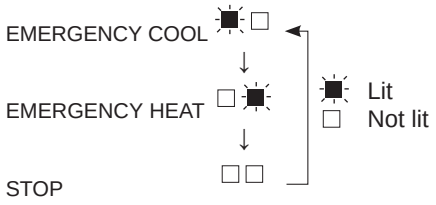
j. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up. The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work. After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C. The fan speed shifts to Med. The coil frost prevention works even in the test run or the emergency operation. In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode. Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

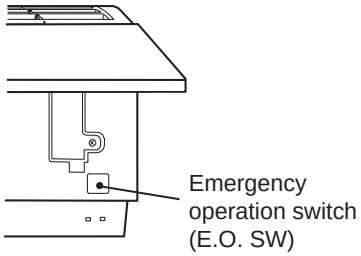
Operation mode	COOL/HEAT
Set temperature	24°C
Fan speed	Med.
Horizontal vane	Auto

The operation mode is indicated by the Operation Indicator lamp as following

Operation Indicator lamp



NOTE: Do not press EMERGENCY OPERATION switch during normal operation.



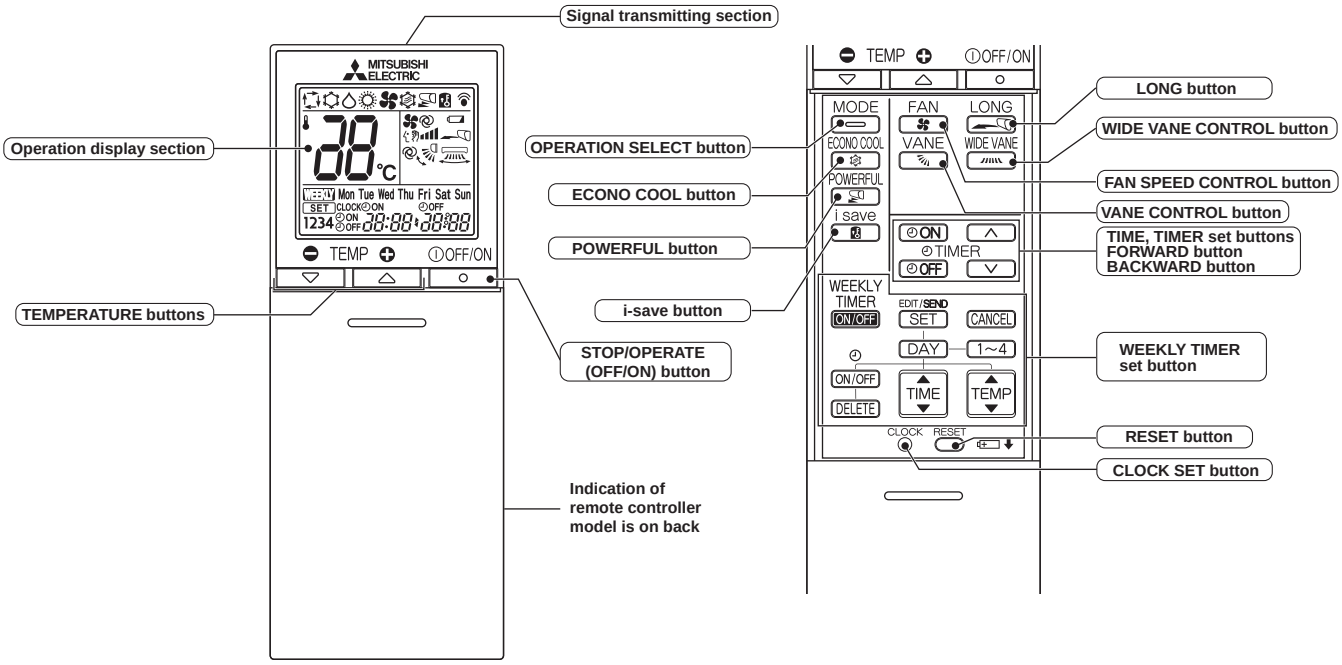
k. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

C.1.9.10 MSZ-GF•VE2 Series

MSZ-GF60VE MSZ-GF71VE
MUZ-GF60VE MUZ-GF71VE

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 2°C or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 1 to 2°C from set temperature
☀ ☼	Standby mode (Only during multi system operation)	—

☀ Lit
☼ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TEMP ⊖ or ⊕ button) to select the desired temperature. The setting range is 16 - 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation

When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

3. Indoor fan speed control

When the thermostat turns OFF, the indoor fan stops running to reduce power consumption.
After that, the indoor fan stops for 60 seconds and then operates at Very Low for 10 seconds to sense accurate room temperature. The indoor fan alternates ON and OFF at this interval while the thermostat is OFF.
When the room temperature rises and the thermostat is ON, the indoor fan starts running according to the settings on the remote controller.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention

Coil frost prevention works the same way as that in COOL mode. (a.1.)

2. Low outside temperature operation

Low outside temperature operation works the same way as that in COOL mode. (a.2.)

3. Indoor fan speed control

Indoor fan speed control works the same way as that in COOL mode. (a.3.)

c. HEAT (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TEMP ⊖ or ⊕ button) to select the desired temperature. The setting range is 16 - 31°C.

1. Cold air prevention control

When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting

Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor restarts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

d. AUTO CHANGE OVER ··· AUTO MODE OPERATION

Once desired temperature is set, unit operation is switched automatically between COOL and HEAT operation.

Mode selection

(1) Initial mode
When unit starts the operation with AUTO operation from OFF:
- If the room temperature is higher than the set temperature, operation starts in COOL mode.
- If the room temperature is equal to or lower than the set temperature, operation starts in HEAT mode.

(2) Mode change
COOL mode changes to HEAT mode when about 15 minutes have passed with the room temperature 1°C below the set temperature.
HEAT mode changes to COOL mode when about 15 minutes have passed with the room temperature 1°C above the set temperature.

NOTE 1

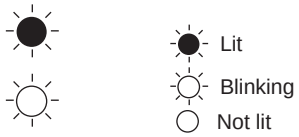
If 2 or more indoor units are operating in multi system, there might be a case that the indoor unit, which is operating in ▭ (AUTO), cannot change over to the other operating mode (COOL ↔ HEAT) and becomes a state of standby.
Refer to **NOTE 2 "FOR MULTI SYSTEM AIR CONDITIONER"**.

NOTE 2
FOR MULTI SYSTEM AIR CONDITIONER
OUTDOOR UNIT: MXZ series

Multi system air conditioner can connect 2 or more indoor units with one outdoor unit.

- When you try to operate 2 or more indoor units with one outdoor unit simultaneously, one for the cooling and the others for heating, the operation mode of the indoor unit that operates first is selected. Other indoor units cannot operate, and operation indicator lamp blinks as shown in the figure below. In this case, please set all the indoor units to the same operation mode.

OPERATION INDICATOR



- When indoor unit starts the operation while the defrosting of outdoor unit is being done, it takes a few minutes (max. 10 minutes) to blow out the warm air.
- In the heating operation, though indoor unit that does not operate may get warm or the sound of refrigerant flowing may be heard, they are not malfunction. The reason is that the refrigerant continuously flows into it.

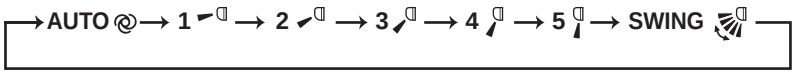
e. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive

These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL button.



(3) Positioning

To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

Confirming of standard position is performed in the following cases:

(a) When the operation starts or finishes (including timer operation).
(b) When the test run starts.
(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO (@) mode

In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 5.

(5) STOP (operation OFF) and ON TIMER standby

In the following cases, the horizontal vane returns to the closed position.

(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) Dew prevention

During COOL or DRY operation with the vane angle at Angle 4 or 5 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 1 for dew prevention.

(7) SWING ( ) mode

By selecting SWING mode with VANE CONTROL button, the horizontal vane swings vertically.

(8) Cold air prevention in HEAT operation

The horizontal vane position is set to Upward.

NOTE: When 2 or more indoor units are operated with multi outdoor unit, even if any indoor unit turns thermostat off, this control does not work in the indoor unit.

(9) ECONO COOL ( ) operation (ECONOmical operation)

When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 2°C higher by the microprocessor. However, the temperature on the LCD screen on the remote controller is not changed. Also the horizontal vane swings in various cycle.

SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.

To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, VANE CONTROL, LONG or POWERFUL button.

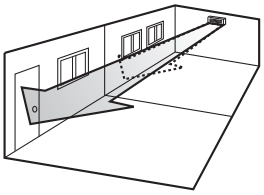
(10) POWERFUL ( ) operation

The air conditioner automatically adjusts the fan speed and the set temperature, and operates the POWERFUL mode. The POWERFUL mode is cancelled automatically 15 minutes after operation starts, or when POWERFUL button is pressed once again within 15 minutes after operation starts. The operation mode returns to the mode prior to POWERFUL operation. POWERFUL mode also is cancelled, when the STOP/OPERATE (OFF/ON), ECONO COOL, FAN SPEED CONTROL or i-save button is pressed within 15 minutes after operation starts, or operation mode is changed.

(11) LONG MODE ( )

By pressing LONG button indoor fan speed becomes faster than setting fan speed on the remote controller, and the horizontal vane moves to the position for LONG mode. The remote controller displays " ". LONG mode is cancelled when LONG button is pressed once again or STOP/OPERATE (OFF/ON) or VANE CONTROL button is pressed or ECONO COOL button is pressed in COOL mode. In the following example, the vertical vane is set to (front.).

COOL / DRY / HEAT / AUTO CHANGE OVER



Fan speed : Faster
Solid arrow : When the LONG mode is used.
Dotted arrow : When the LONG mode is not used.

2. Vertical vane

(1) Vane motor drive

These models are equipped with a stepping motor for the vertical vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from microprocessor.

(2) The vertical vane angle and mode change as follows by pressing WIDE VANE CONTROL button.

(3) Positioning

To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

→ 1 → 2 → 3 → 4 → 5 → 6 → (SWING)

Confirmation of standard position is performed in the following cases:

(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER ON).

(b) SWING is started.

(4) SWING ( ) MODE

By selecting SWING mode with WIDE VANE CONTROL button, the vertical vane swings horizontally. The remote controller displays " ". Swing mode is cancelled when WIDE MODE CONTROL button is pressed once again.

f. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.

NOTE: Timer operation will not work without setting the current time. Initially "0:00" blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK SET button.

How to set the current time

(a) Press the CLOCK set button.

(b) Press the TIME SET buttons (∧ and ∨) to set the current time.

- Each time FORWARD button (∧) is pressed, the set time increases by 1 minute, and each time BACKWARD button (∨) is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK set button.

(2) Press STOP/OPERATE (OFF/ON) button to start the air conditioner.

(3) Set the time of timer.

ON timer setting

(a) Press ON TIMER button (ON) during operation.

(b) Set the time of the timer using TIME SET buttons (∧ and ∨). ※

OFF timer setting

(a) Press OFF TIMER button (OFF) during operation.

(b) Set the time of the timer using TIME SET buttons (∧ and ∨). ※

※ Each time FORWARD button (∧) is pressed, the set time increases by 10 minutes: each time BACKWARD button (∨) is pressed, the set time decreases by 10 minutes.

2. To release the timer

To release ON timer, press ON TIMER button (ON).

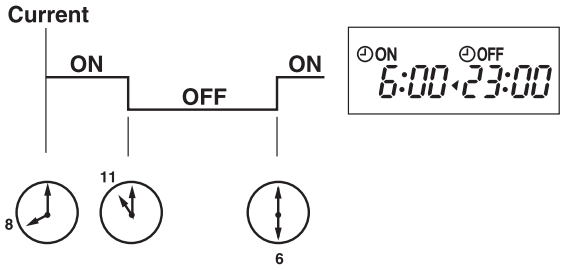
To release OFF timer, press OFF TIMER button(OFF).

TIMER is cancelled and the display of set time disappears.

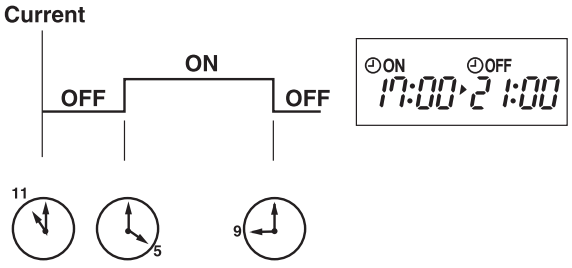
PROGRAM TIMER

- OFF timer and ON timer can be used in combination. The timer of the set time that is reached first will operate first.
- "◀" and "▶" display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns off at 11:00 PM, and on at 6:00 AM.



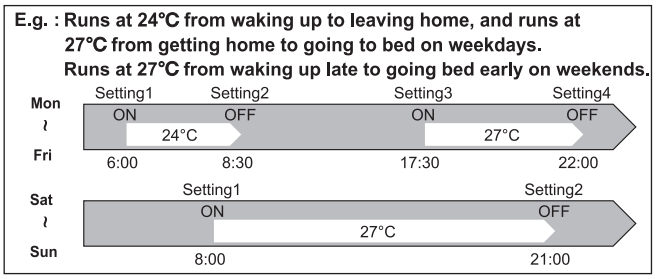
(Example 2) The current time is 11:00 AM.
The unit turns on at 5:00 PM, and off at 9:00 PM.



NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

g. WEEKLY TIMER OPERATION

• A maximum of 4 ON or OFF timers can be set for individual days of the week.
• A maximum of 28 ON or OFF timers can be set for a week.



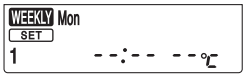
NOTE:

• The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.
• When the weekly timer is set, temperature can not be set to 10°C.
• The weekly timer operation and i-save operation cannot be used together.

1. How to set the weekly timer

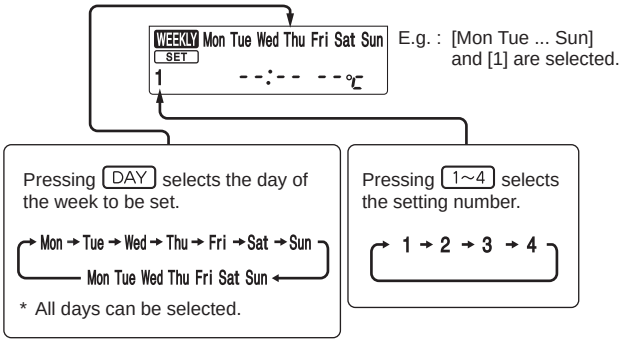
* Make sure that the current time and day are set correctly.

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

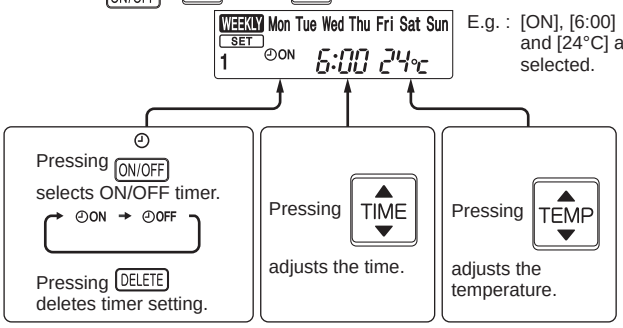


* SET blinks.

(2) Press DAY and 1~4 buttons to select setting day and number.



(3) Press ON/OFF , TIME , and TEMP buttons to set ON/OFF, time, and temperature.



* Hold down the button to change the time quickly.
* The temperature can be set between 16°C and 31°C at weekly timer.

Press DAY and 1~4 buttons to continue setting the timer for other days and/or numbers.

(4) Press EDIT/SEND SET button to complete and transmit the weekly timer setting.

* SET which was blinking goes out, and the current time will be displayed.

NOTE:

• Press EDIT/SEND SET button to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
• When setting the timer for more than one day of the week or one number, EDIT/SEND SET button does not have to be pressed per each setting. Press EDIT/SEND SET button once after all the settings are complete. All the weekly timer settings will be saved.
• Press EDIT/SEND SET button to enter the weekly timer setting mode, and press and hold DELETE button for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

(5) Press WEEKLY TIMER ON/OFF button to turn the weekly timer ON. (WEEKLY lights.)

•When the weekly timer is ON, the day of the week whose timer setting is complete, will light.

Press WEEKLY TIMER ON/OFF button again to turn the weekly timer OFF. (WEEKLY goes out.)

NOTE:
The saved settings will not be cleared when the weekly timer is turned OFF.

2. Checking weekly timer setting

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

*SET blinks.

(2) Press DAY or 1~4 buttons to view the setting of the particular day or number.

(3) Press CANCEL button to exit the weekly timer setting.

NOTE:
When all days of the week are selected to view the settings and a different setting is included among them, --:-- --℃ will be displayed.

h. i-save (i-save) OPERATION

1. How to set i-save operation

(1) Press STOP/OPERATE (OFF/ON) button.
(2) Select COOL, HEAT or ECONO COOL mode.
(3) Press i-save button.
(4) Set the temperature, fan speed, and airflow direction for i-save operation.

NOTE:
- i-save operation cannot be selected during DRY or AUTO mode operation.
- The setting range of HEAT mode i-save operation is 10°C and 16 - 31°C.
- 2 groups of setting can be saved. (One for COOL/ECONO COOL, one for HEAT)
- i-save operation and the weekly timer operation cannot be used together.

2. How to cancel operation

- Press i-save button again.
- i-save operation can also be cancelled by pressing OPERATION SELECT button to change the operation mode. The same setting is select from the next time by simply pressing i-save button.

i. EMERGENCY/TEST OPERATION

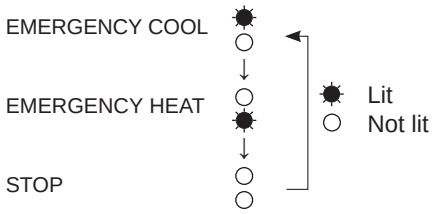
In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit.
Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down.
The unit will start and OPERATION INDICATOR lamp will light up.
The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C. The fan speed shifts to Med.
The coil frost prevention works even in the test run or the emergency operation.
In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

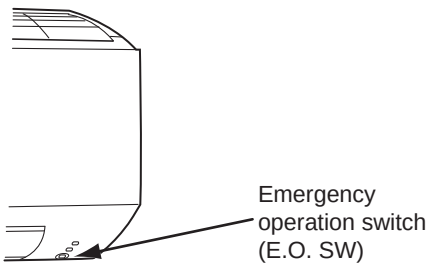
NOTE: Do not press EMERGENCY OPERATION switch during normal operation.

Operation mode	COOL/HEAT
Set temperature	24°C
Fan speed	Med.
Horizontal vane	Auto

The operation mode is indicated by the Operation Indicator lamp as follows:

Operation Indicator lamp





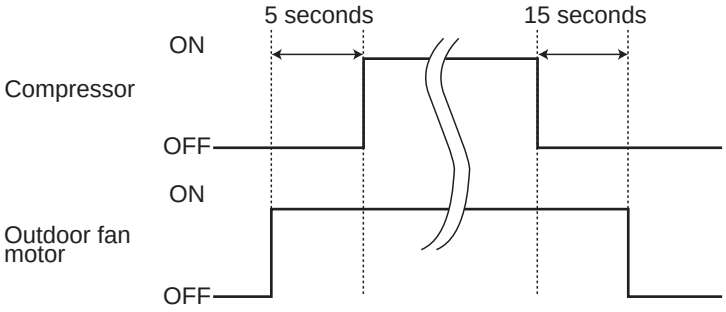
j. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

k. ACTUATOR CONTROL

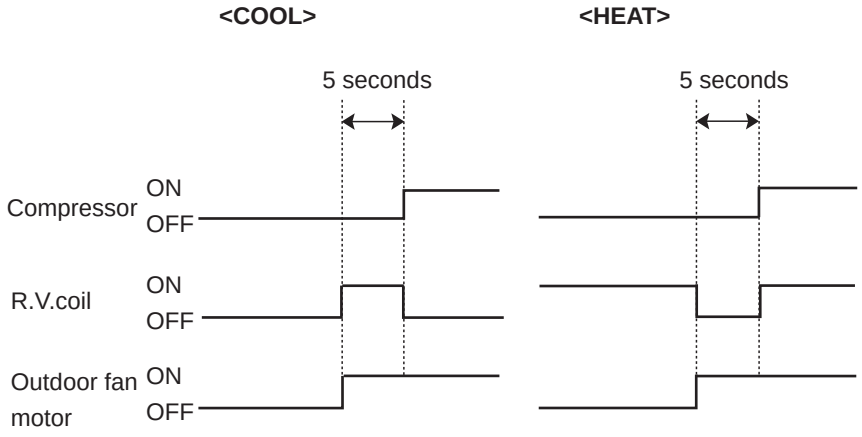
k-1. Outdoor fan motor control

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



k-2. R.V. coil control

Heating · · · · · · · · · · · · · · · · · ON
Cooling · · · · · · · · · · · · · · · · · OFF
Dry · · · · · · · · · · · · · · · · · · · OFF
NOTE: The 4-way valve reverses for 5 seconds right before start-up of the compressor.



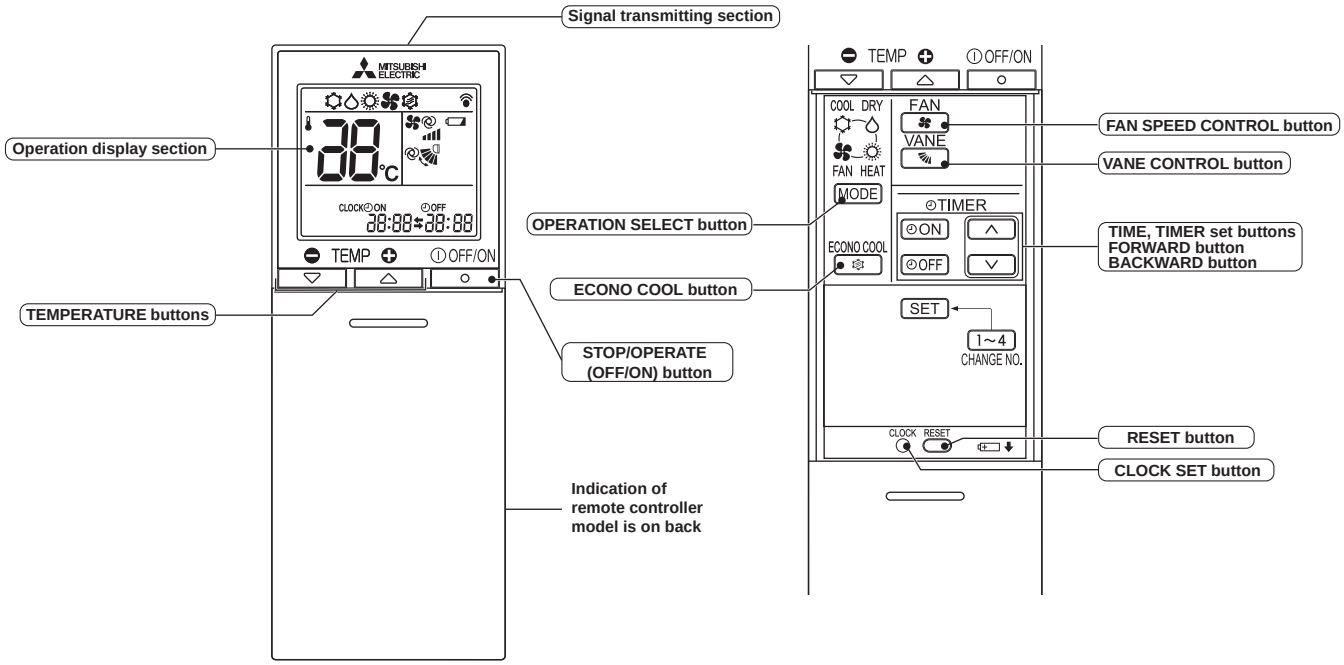
k-3. Relation between main sensor and actuator

Sensor	Purpose	Actuator				
		Compressor	LEV	Outdoor fan motor	R.V.coil	Indoor fan motor
Discharge temperature thermistor	Protection	○	○			
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○				
	Heating: High pressure protection	○	○			
Defrost thermistor	Heating: Defrosting	○	○	○	○	○
Fin temperature thermistor	Protection	○		○		
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○		
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○		
	Cooling: High pressure protection	○	○	○		

C.1.9.11 MSZ-WN•VA Series

MSZ-WN25VA MSZ-WN35VA
MUZ-WN25VA MUZ-WN35VA

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 2°C or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 1 to 2°C from set temperature

☀ Lit
☼ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press STOP/OPERATE/ (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TOO WARM or TOO COOL button) to select the desired temperature.
The setting range is 16 ~ 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works. The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE/ (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention
Coil frost prevention works the same way as that in COOL mode. (a.1.)

c. HEAT (☼) OPERATION

(1) Press STOP/OPERATE/ (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TOO WARM or TOO COOL button) to select the desired temperature.
The setting range is 16 ~ 31°C.

1. Cold air prevention control
When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

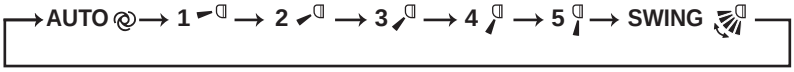
2. High pressure protection
The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting
Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor restarts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

d. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive
These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.
(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL button.



(3) Positioning
To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.
Confirmation of standard position is performed in the following cases:
(a) When the operation starts or finishes (including timer operation).
(b) When the test run starts.
(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO (◎) mode
In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 4.

(5) STOP (operation OFF) and ON TIMER standby
In the following cases, the horizontal vane returns to the closed position.
(a) When STOP/OPERATE/ (OFF/ON) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) Dew prevention
During COOL or DRY operation with the vane angle at Angle 3 ~ 5 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 2 for dew prevention.

(7) SWING ( ) mode
By selecting SWING mode with VANE CONTROL button, the horizontal vane swings vertically.

(8) Cold air prevention in HEAT operation.
The horizontal vane position is set to Upward.
NOTE: When 2 or more indoor units are operated with multi outdoor unit, even if any indoor unit turns thermostat off, this control does not work in the indoor unit.

(9) ECONO COOL ( ) operation (ECONOmical operation)
When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 2°C higher by the microprocessor. (However, the temperature on the LCD screen on the remote controller is not changed.)
Also the horizontal vane swings in various cycle.
SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.
To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, or VANE CONTROL button.

e. TIMER OPERATION (ON/OFF TIMER)

1. How to set the time

(1) Check that the current time is set correctly.
NOTE: Timer operation will not work without setting the current time. Initially “0:00” blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK SET button.

How to set the current time
(a) Press the CLOCK set button.
(b) Press the TIME SET buttons (and) to set the current time.
- Each time FORWARD button ( ) is pressed, the set time increases by 1 minute, and each time BACKWARD button ( ) is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK set button.

(2) Press STOP/OPERATE (OFF/ON)button to start the air conditioner.

(3) Set the time of timer.

ON timer setting
(a) Press ON TIMER button( ) during operation.
(b) Set the time of the timer using TIME SET buttons (and). ※

OFF timer setting
(a) Press OFF TIMER button ( ) during operation.
(b) Set the time of the timer using TIME SET buttons (and). ※

※ Each time FORWARD button ( ) is pressed, the set time increases by 10 minutes: each time BACKWARD button ( ) is pressed, the set time decreases by 10 minutes.

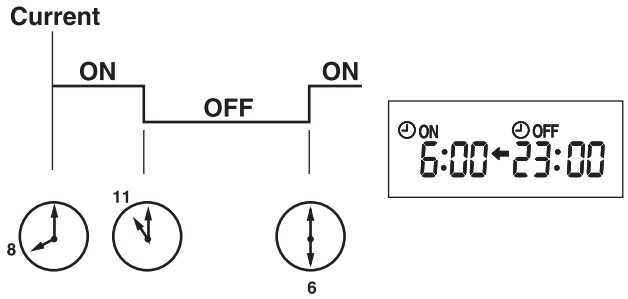
2. To release the timer

To release ON timer, press ON TIMER button ( ).
To release OFF timer, press OFF TIMER button( ).
TIMER is cancelled and the display of set time disappears.

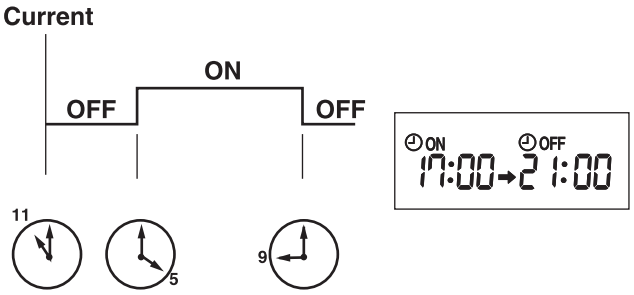
PROGRAM TIMER

• OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
• "⬅" and "➡" display show the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns off at 11:00 PM, and on at 6:00 AM.



(Example 2) The current time is 11:00 AM.
The unit turns on at 5:00 PM, and off at 9:00 PM.

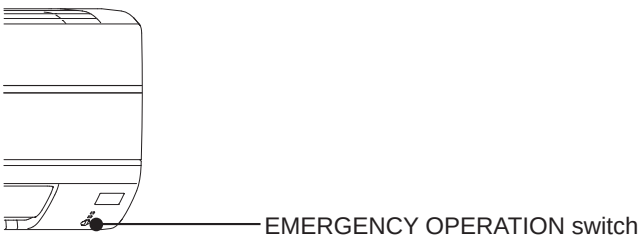


NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

f. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.
The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C. The fan speed shifts to Med.
The coil frost prevention works even in the test run or the emergency operation.
In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

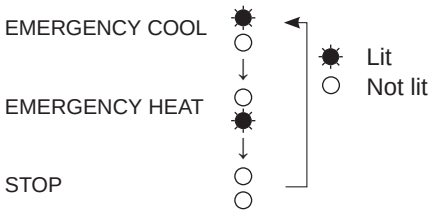
NOTE: Do not press EMERGENCY OPERATION switch during normal operation.



Operation mode	COOL	HEAT
Set temperature	24°C	24°C
Fan speed	Med.	Med.
Horizontal vane	Auto	Auto

The operation mode is indicated by the Operation Indicator lamp as follows:

Operation Indicator lamp



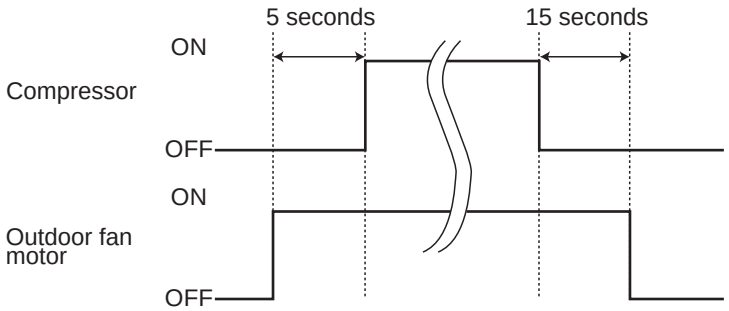
g. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

h. ACTUATOR CONTROL

h-1. OUTDOOR FAN MOTOR CONTROL

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.

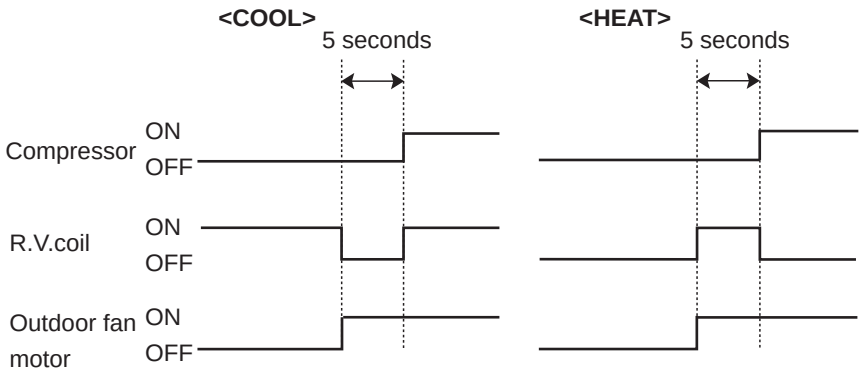


h-2. R.V. COIL CONTROL

R.V. COIL CONTROL

Heating · · · · · · · · · · · · · · · · · OFF
Cooling · · · · · · · · · · · · · · · · · ON
Dry · · · · · · · · · · · · · · · · · · · ON

NOTE: The 4-way valve reverses for 5 seconds right before start-up of the compressor.



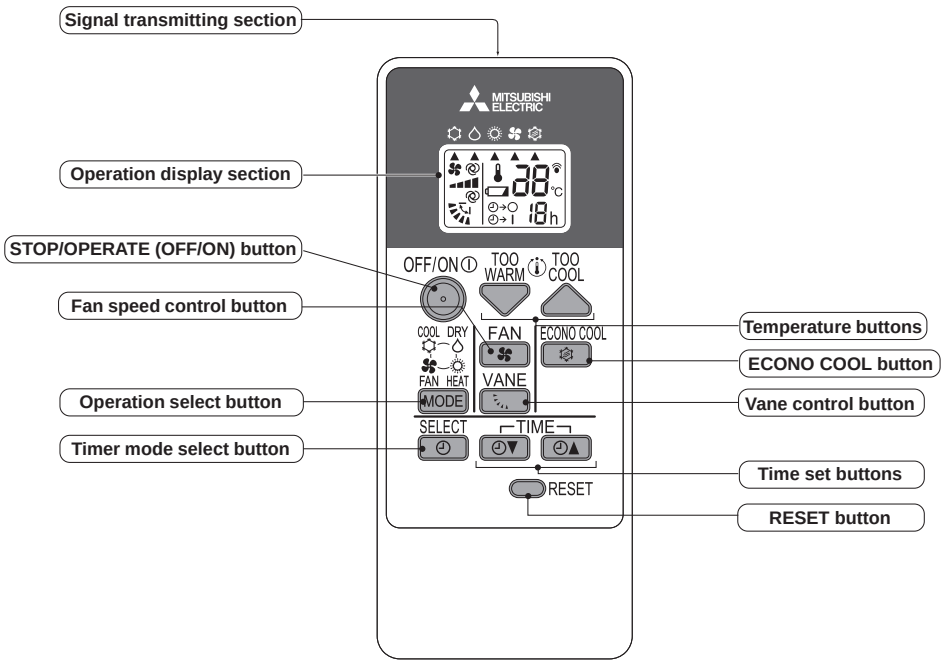
h-3. RELATION BETWEEN MAIN SENSOR AND ACTUATOR

Sensor	Purpose	Actuator				
		Compressor	LEV	Outdoor fan motor	R.V. coil	Indoor fan motor
Discharge temperature thermistor	Protection	○	○			
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○				
	Heating: High pressure protection	○				
Defrost thermistor	Cooling: High pressure protection	○	○	○		
	Heating: Defrosting	○	○	○	○	○
Fin temperature thermistor	Protection	○		○		

C.1.9.12 MSZ-DM•VA Series

MSZ-DM25VA MSZ-DM35VA
MUZ-DM25VA MUZ-DM35VA

WIRELESS REMOTE CONTROLLER



NOTE : Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 2°C or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 1 to 2°C from set temperature
☀ ☼	Standby mode (Only during multi system operation)	—

☀ Lit
☼ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TOO WARM or TOO COOL button) to select the desired temperature.
The setting range is 16 ~ 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works. The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention
Coil frost prevention works the same way as that in COOL mode. (a.1.)

c. HEAT (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TOO WARM or TOO COOL button) to select the desired temperature.
The setting range is 16 ~ 31°C.

1. Cold air prevention control
When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

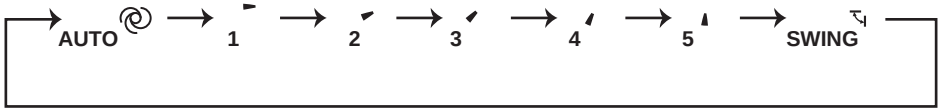
2. High pressure protection
The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting
Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor restarts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

d. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive
These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.
(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL button.



(3) Positioning
To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.
Confirmation of standard position is performed in the following cases:
(a) When the operation starts or finishes (including timer operation).
(b) When the test run starts.
(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO (◎) mode
In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 4.

(5) STOP (operation OFF) and ON TIMER standby
In the following cases, the horizontal vane returns to the closed position.
(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) Dew prevention
During COOL or DRY operation with the vane angle at Angle 3 ~ 5 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 2 for dew prevention.

(7) SWING ( ) mode
By selecting SWING mode with VANE CONTROL button, the horizontal vane swings vertically.

(8) Cold air prevention in HEAT operation.
The horizontal vane position is set to Upward.
NOTE: When 2 or more indoor units are operated with multi outdoor unit, even if any indoor unit turns thermostat off, this control does not work in the indoor unit.

(9) ECONO COOL ( ) operation (ECONOmical operation)
When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 2°C higher.
Also the horizontal vane swings in various cycle.
SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.
ECONO COOL operation is cancelled when ECONO COOL button is pressed once again or VANE CONTROL button is pressed or change to other operation mode.

e. TIMER OPERATION (ON/OFF TIMER)

1. How to set the timer

(1) Press STOP/OPERATE (OFF/ON) button to start the air conditioner.

(2) Select the timer mode by pressing the SELECT button during operation.
Each time this button is pressed, the timer mode is changed in sequence:
(OFF TIMER) → (ON TIMER) → TIMER RELEASE

(3) Set the time of the timer using the TIME button.
Each time this button is pressed, the set time increase or decrease by 1 hour to 12 hours.

2. To release the timer

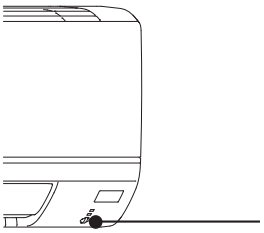
Press the SELECT button until (OFF TIMER) and (ON TIMER) are not displayed.

NOTE :
- The OFF TIMER and the ON TIMER cannot be set at the same time.
- The displayed time is the time remaining and will decrease in 1-hour increments as time passes.

f. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.
The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C. The fan speed shifts to Med.
The coil frost prevention works even in the test run or the emergency operation.
In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

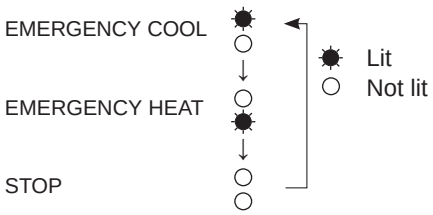
NOTE: Do not press EMERGENCY OPERATION switch during normal operation.



Operation mode	COOL	HEAT
Set temperature	24°C	24°C
Fan speed	Med.	Med.
Horizontal vane	Auto	Auto

The operation mode is indicated by the Operation Indicator lamp as follows:

Operation Indicator lamp



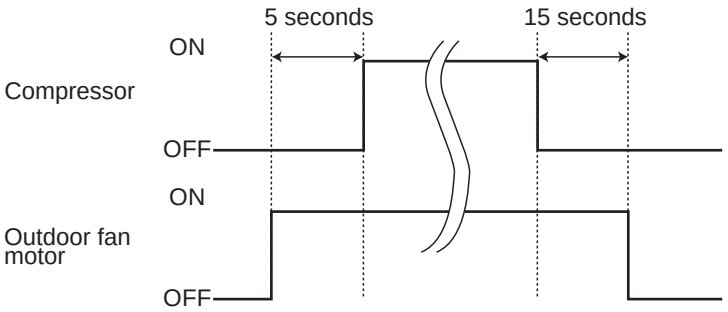
g. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

h. ACTUATOR CONTROL

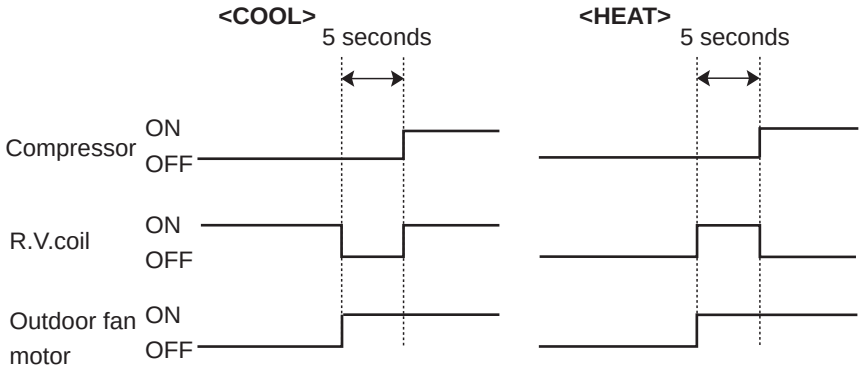
h-1. Outdoor fan motor control

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



h-2. R.V. Coil control

Heating · · · · · · · · · · · · · · · · · OFF
Cooling · · · · · · · · · · · · · · · · · ON
Dry · · · · · · · · · · · · · · · · · · · ON
NOTE: The 4-way valve reverses for 5 seconds right before start-up of the compressor.



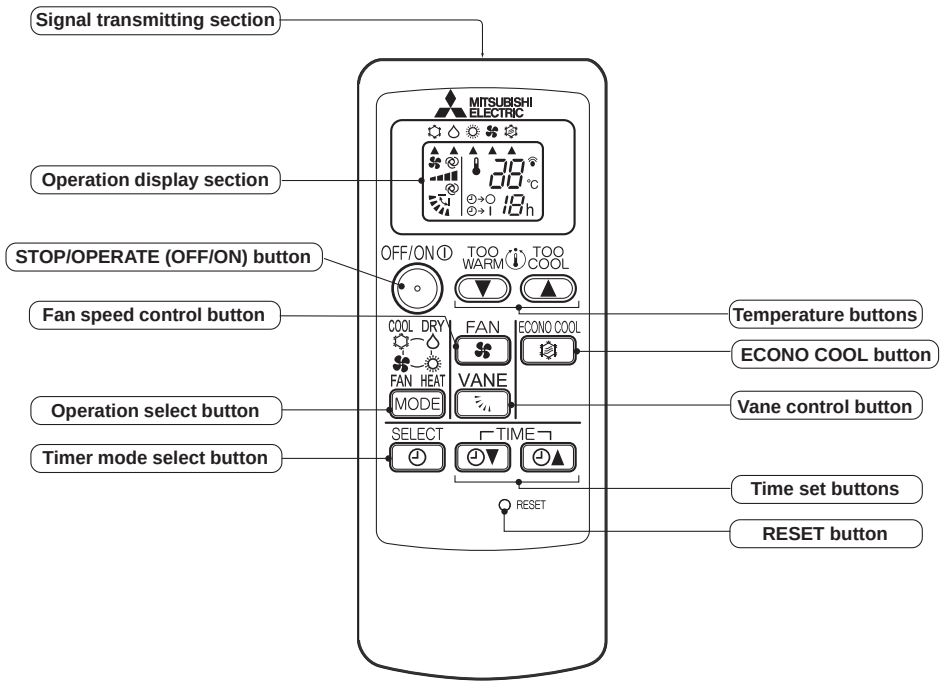
h-3. Relation between main sensor and actuator

Sensor	Purpose	Actuator				
		Compressor	LEV	Outdoor fan motor	R.V. coil	Indoor fan motor
Discharge temperature thermistor	Protection	○	○			
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○				
	Heating: High pressure protection	○				
Defrost thermistor	Cooling: High pressure protection	○	○	○		
	Heating: Defrosting	○	○	○	○	○
Fin temperature thermistor	Protection	○		○		

C.1.9.13 MSZ-HJ•VA Series

MSZ-HJ25VA MSZ-HJ35VA MSZ-HJ50VA MSZ-HJ60VA MSZ-HJ71VA
MUZ-HJ25VA MUZ-HJ35VA MUZ-HJ50VA MUZ-HJ60VA MUZ-HJ71VA

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature.	About 2°C or more away from set temperature
☀ ○	The room temperature is approaching the set temperature.	About 1 to 2°C from set temperature
☀ ☼	Standby mode (Only during multi system operation)	—

☀ Lit
☼ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TOO WARM or TOO COOL button) to select the desired temperature.
The setting range is 16 ~ 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.

When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works. The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention
Coil frost prevention works the same way as that in COOL mode. (a.1.)

c. HEAT (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons (TOO WARM or TOO COOL button) to select the desired temperature.
The setting range is 16 ~ 31°C.

1. Cold air prevention control
When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

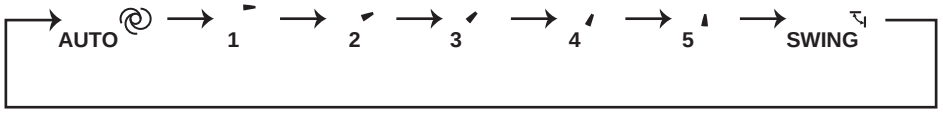
2. High pressure protection
The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting
Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor restarts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

d. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive
These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.
(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL button.

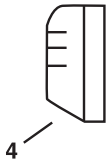


(3) Positioning
To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.
Confirmation of standard position is performed in the following cases:
(a) When the operation starts or finishes (including timer operation).
(b) When the test run starts.
(c) When standby mode (only during multi system operation) starts or finishes.

(4) VANE AUTO (◎) mode
In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation
Vane angle is fixed to Horizontal position.

In HEAT operation
Vane angle is fixed to Angle 4.



(5) STOP (operation OFF) and ON TIMER standby
In the following cases, the horizontal vane returns to the closed position.
(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) Dew prevention
During COOL or DRY operation with the vane angle at Angle 3 ~ 5 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 2 for dew prevention.

(7) SWING ( ) mode
By selecting SWING mode with VANE CONTROL button, the horizontal vane swings vertically.

(8) Cold air prevention in HEAT operation.
The horizontal vane position is set to Upward.
NOTE: When 2 or more indoor units are operated with multi outdoor unit, even if any indoor unit turns thermostat off, this control does not work in the indoor unit.

(9) ECONO COOL ( ) operation (ECONOmical operation)
When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 2°C higher.
Also the horizontal vane swings in various cycle.
SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.
ECONO COOL operation is cancelled when ECONO COOL button is pressed once again or VANE CONTROL button is pressed or change to other operation mode.

e. TIMER OPERATION (ON/OFF TIMER)

1. How to set the timer

(1) Press STOP/OPERATE (OFF/ON) button to start the air conditioner.

(2) Select the timer mode by pressing the SELECT button during operation.
Each time this button is pressed, the timer mode is changed in sequence:
(OFF TIMER) → (ON TIMER) → TIMER RELEASE

(3) Set the time of the timer using the TIME button.
Each time this button is pressed, the set time increase or decrease by 1 hour to 12 hours.

2. To release the timer

Press the SELECT button until (OFF TIMER) and (ON TIMER) are not displayed.

NOTE :

- The OFF TIMER and the ON TIMER cannot be set at the same time.
- The displayed time is the time remaining and will decrease in 1-hour increments as time passes.

f. EMERGENCY/TEST OPERATION

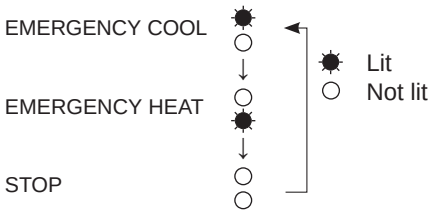
In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.
The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C. The fan speed shifts to Med.
The coil frost prevention works even in the test run or the emergency operation.
In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

NOTE: Do not press EMERGENCY OPERATION switch during normal operation.

Operation mode	COOL	HEAT
Set temperature	24°C	24°C
Fan speed	Med.	Med.
Horizontal vane	Auto	Auto

The operation mode is indicated by the Operation Indicator lamp as follows:

Operation Indicator lamp



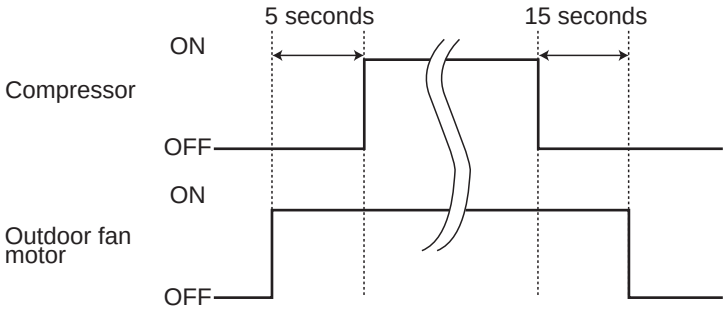
g. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

h. ACTUATOR CONTROL

h-1. Outdoor fan motor control

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.

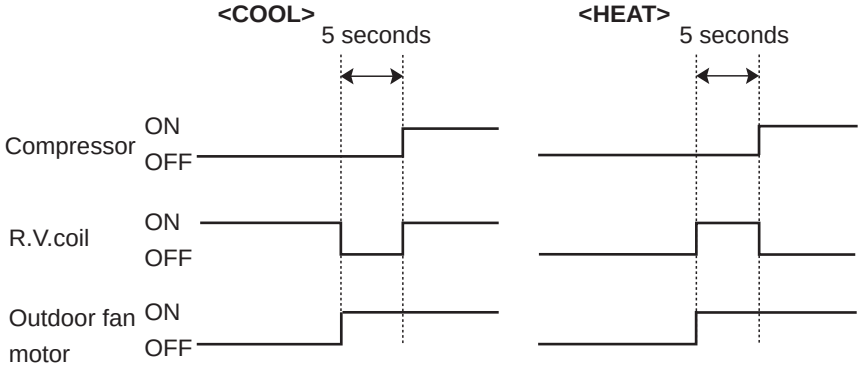


h-2. R.V. coil control

MUZ-HJ25VA MUZ-HJ35VA

Heating · · · · · · · · · · · · · · · · · OFF
Cooling · · · · · · · · · · · · · · · · · ON
Dry · · · · · · · · · · · · · · · · · · · ON

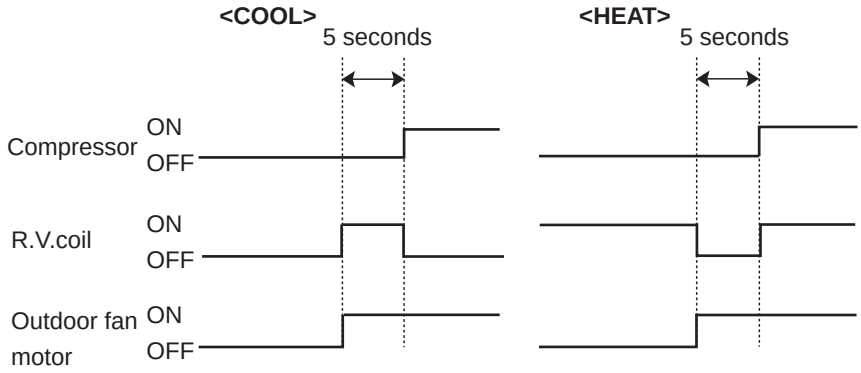
NOTE: The 4-way valve reverses for 5 seconds right before start-up of the compressor.



MUZ-HJ50VA MUZ-HJ60VA MUZ-HJ71VA

Heating · · · · · · · · · · · · · · · · · ON
Cooling · · · · · · · · · · · · · · · · · OFF
Dry · · · · · · · · · · · · · · · · · · · OFF

NOTE: The 4-way valve reverses for 5 seconds right before start-up of the compressor.

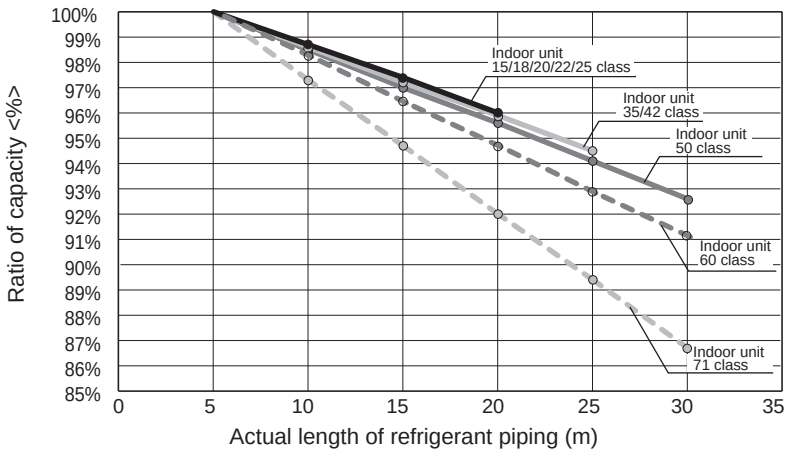


h-3. Relation between main sensor and actuator

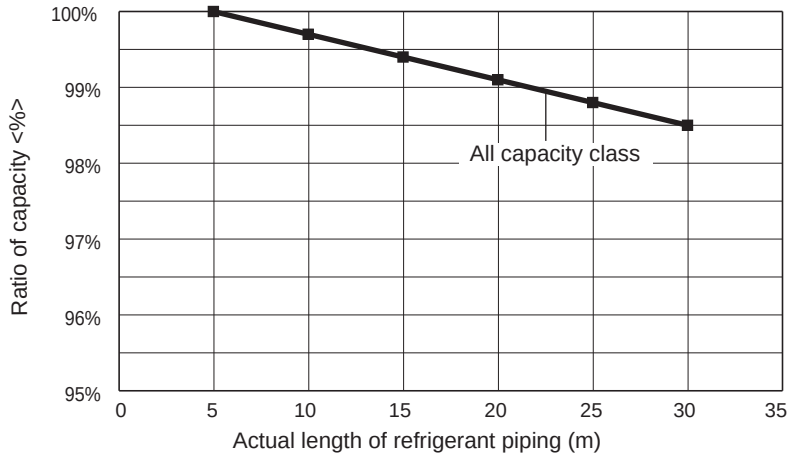
Sensor	Purpose	Actuator				
		Compressor	LEV	Outdoor fan motor	R.V. coil	Indoor fan motor
Discharge temperature thermistor	Protection	○	○			
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○				
	Heating: High pressure protection	○				
Defrost thermistor	Cooling: High pressure protection	○	○	○		
	Heating: Defrosting	○	○	○	○	○
Fin temperature thermistor	Protection	○		○		

C.1.10 CAPACITY CORRECTION RATIO CURVE FOR PIPING LENGTH

Correction ratio of capacity according to the length of piping (cooling)



Correction ratio of capacity according to the length of piping (heating)



The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

Length of refrigerant piping (m) + (Number of bends × 0.3 m) = Actual length of refrigerant piping (m)

C.2 FLOOR-STANDING

C.2.1 SPECIFICATIONS

C.2.1.1 Inverter Heat Pump

Indoor Unit					MFZ-KJ25VE2	MFZ-KJ35VE2	MFZ-KJ50VE2
Outdoor Unit					MUFZ-KJ25VE	MUFZ-KJ35VE	MUFZ-KJ50VE
Refrigerant					R410A(*1)	R410A(*1)	R410A(*1)
Power Supply	Source				Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
	Outdoor (V/Phase/Hz)				230V/Single/50Hz	230V/Single/50Hz	230V/Single/50Hz
Cooling	Design load			kW	2.5	3.5	5.0
	Annual electricity consumption (*2)			kWh/a	102	150	266
	SEER				8.5	8.1	6.5
		Energy efficiency class			A+++	A++	A++
	Capacity	Rated		kW	2.5	3.5	5.0
		Min. - Max.		kW	0.5 - 3.4	0.5 - 3.7	1.6 - 5.7
	SHF				0.85	0.73	0.71
	Total Input	Rated		kW	0.540	0.940	1.410
	EER				4.63	3.72	3.55
		EEL Rank			A	A	A
Heating (Average Season)	Design load			kW	3.4(-10°C)	3.5(-10°C)	4.4(-10°C)
	Declared Capacity	at reference design temperature		kW	3.4(-10°C)	3.5(-10°C)	4.4(-10°C)
		at bivalent temperature		kW	3.4(-10°C)	3.5(-10°C)	4.4(-10°C)
		at operation limit temperature		kW	2.4(-15°C)	2.9(-15°C)	6.0(-15°C)
	Back up heating capacity			kW	0.0(-10°C)	0.0(-10°C)	0.0(-10°C)
	Annual electricity consumption (*2)			kWh/a	1059	1110	1406
	SCOP				4.5	4.4	4.3
		Energy efficiency class			A+	A+	A+
	Capacity	Rated		kW	3.4	4.3	6.0
		Min. - Max.		kW	1.2 - 4.6	1.2 - 5.5	2.2 - 8.2
	Total Input	Rated		kW	0.770	1.100	1.610
	COP				4.42	3.91	3.73
		EEL Rank			A	A	A
Operating Current (Max.)				A	9.4	9.4	14.0
Indoor Unit	Input	Rated		kW	0.016	0.016	0.038
	Operating Current (Max.)			A	0.17	0.17	0.34
	Dimensions	H x W x D		mm	600 x 750 x 215	600 x 750 x 215	600 x 750 x 215
	Weight			kg	15	15	15
	Air Volume	Cooling		m^3/min.	3.9 - 4.9 - 5.9 - 7.1 - 8.2	3.9 - 4.9 - 5.9 - 7.1 - 8.2	5.6 - 6.7 - 8.0 - 9.3 - 10.6
	(Silent-Lo-Mid-Hi-SHi (*3) (Dry/Wet))	Heating		m^3/min.	3.9 - 5.1 - 6.2 - 7.7 - 9.7	3.9 - 5.1 - 6.2 - 7.7 - 9.7	6.0 - 7.4 - 9.4 - 11.6 - 14.0
	Sound Level (SPL)	Cooling		dB(A)	20 - 25 - 30 - 35 - 39	20 - 25 - 30 - 35 - 39	27 - 31 - 35 - 39 - 44
	(Silent-Lo-Mid-Hi-SHi (*3))	Heating		dB(A)	19 - 25 - 30 - 35 - 41	19 - 25 - 30 - 35 - 41	29 - 35 - 40 - 45 - 50
	Sound Level (PWL)	Cooling		dB(A)	49	50	56
Outdoor Unit	Dimensions	H x W x D		mm	550 x 800 x 285	550 x 800 x 285	880 x 840 x 330
	Weight			kg	37	37	55
	Air Volume	Cooling		m^3/min.	31.3	31.3	45.8
		Heating		m^3/min.	33.6	33.6	45.8
	Sound Level (SPL)	Cooling		dB(A)	46	47	49
		Heating		dB(A)	51	51	51
	Sound Level (PWL)	Cooling		dB(A)	59	60	63
	Operating Current (Max.)			A	9.2	9.2	13.6
	Breaker Size			A	10	10	16
Ext.Piping	Diameter	Liquid/Gas		mm	6.35/9.52	6.35/9.52	6.35/12.7
	Max.Length	Out-In		m	20	20	30
	Max.Height	Out-In		m	12	12	15
Guaranteed Operating Range (Outdoor)		Cooling		°C	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating		°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit				MFZ-KJ25VE2	MFZ-KJ35VE2	MFZ-KJ50VE2
Outdoor Unit				MUFZ-KJ25VEHZ	MUFZ-KJ35VEHZ	MUFZ-KJ50VEHZ
Refrigerant				R410A(*1)	R410A(*1)	R410A(*1)
Power Supply	Source			Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
	Outdoor (V/Phase/Hz)			230V/Single/50Hz	230V/Single/50Hz	230V/Single/50Hz
Cooling	Design load		kW	2.5	3.5	5.0
	Annual electricity consumption (*2)		kWh/a	102	150	266
	SEER			8.5	8.1	6.5
		Energy efficiency class		A+++	A++	A++
	Capacity	Rated	kW	2.5	3.5	5.0
		Min. - Max.	kW	0.5 - 3.4	0.5 - 3.7	1.6 - 5.7
	SHF			0.85	0.73	0.71
	Total Input	Rated	kW	0.540	0.940	1.410
	EER			4.63	3.72	3.55
		EEL Rank		A	A	A
Heating (Average Season)	Design load		kW	3.5(-10°C)	3.6(-10°C)	4.5(-10°C)
	Declared Capacity	at reference design temperature	kW	3.5(-10°C)	3.6(-10°C)	4.5(-10°C)
		at bivalent temperature	kW	3.5(-10°C)	3.6(-10°C)	4.5(-10°C)
		at operation limit temperature	kW	1.6(-25°C)	2.3(-25°C)	3.3(-25°C)
	Back up heating capacity		kW	0.0(-10°C)	0.0(-10°C)	0.0(-10°C)
	Annual electricity consumption (*2)		kWh/a	1104	1158	1467
	SCOP			4.4	4.3	4.2
		Energy efficiency class		A+	A+	A+
	Capacity	Rated	kW	3.4	4.3	6.0
		Min. - Max.	kW	1.2 - 5.1	1.2 - 5.8	2.2 - 8.4
	Total Input	Rated	kW	0.770	1.100	1.610
	COP			4.42	3.91	3.73
		EEL Rank		A	A	A
Operating Current (Max.)			A	9.4	10.2	14.0
Indoor Unit	Input	Rated	kW	0.016	0.016	0.038
	Operating Current (Max.)		A	0.17	0.17	0.34
	Dimensions	H x W x D	mm	600 x 750 x 215	600 x 750 x 215	600 x 750 x 215
	Weight		kg	15	15	15
	Air Volume	Cooling	m^3/min.	3.9 - 4.9 - 5.9 - 7.1 - 8.2	3.9 - 4.9 - 5.9 - 7.1 - 8.2	5.6 - 6.7 - 8.0 - 9.3 - 10.6
	(Silent-Lo-Mid-Hi-SHi (*3) (Dry/Wet))	Heating	m^3/min.	3.9 - 5.1 - 6.2 - 7.7 - 9.7	3.9 - 5.1 - 6.2 - 7.7 - 9.7	6.0 - 7.4 - 9.4 - 11.6 - 14.0
	Sound Level (SPL)	Cooling	dB(A)	20 - 25 - 30 - 35 - 39	20 - 25 - 30 - 35 - 39	27 - 31 - 35 - 39 - 44
	(Silent-Lo-Mid-Hi-SHi (*3))	Heating	dB(A)	19 - 25 - 30 - 35 - 41	19 - 25 - 30 - 35 - 41	29 - 35 - 40 - 45 - 50
	Sound Level (PWL)	Cooling	dB(A)	49	50	56
Outdoor Unit	Dimensions	H x W x D	mm	550 x 800 x 285	550 x 800 x 285	880 x 840 x 330
	Weight		kg	37	37	55
	Air Volume	Cooling	m^3/min.	31.3	31.3	45.8
		Heating	m^3/min.	33.6	33.6	45.8
	Sound Level (SPL)	Cooling	dB(A)	46	47	49
		Heating	dB(A)	51	51	51
	Sound Level (PWL)	Cooling	dB(A)	59	60	63
	Operating Current (Max.)		A	9.2	10	13.6
	Breaker Size		A	10	12	16
Ext.Piping	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/12.7
	Max.Length	Out-In	m	20	20	30
	Max.Height	Out-In	m	12	12	15
Guaranteed Operating Range (Outdoor)		Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	°C	-25 ~ +24	-25 ~ +24	-25 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

Indoor Unit					MFZ-KT25VG	MFZ-KT35VG	MFZ-KT50VG	MFZ-KT60VG
Outdoor Unit					SUZ-M25VA	SUZ-M35VA	SUZ-M50VA	SUZ-M60VA
Refrigerant					R32(*1)	R32(*1)	R32(*1)	R32(*1)
Power Supply	Source				Outdoor Power supply	Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
	Outdoor (V/Phase/Hz)				230V/SinglePhase/50Hz	230V/SinglePhase/50Hz	230V/SinglePhase/50Hz	230V/SinglePhase/50Hz
Cooling		Design load		kW	2.5	3.5	5.0	6.1
		Annual electricity consumption(*2)		kWh/a	134	185	257	343
		SEER			6.5	6.6	6.8	6.2
			Energy efficiency class		A++	A++	A++	A++
		Capacity	Rated	kW	2.5	3.5	5.0	6.1
			Min-Max.	kW	1.6-3.2	0.9-3.9	1.2-5.6	1.7-6.3
		SHF			0.79	0.70	0.72	0.70
		Total Input	Rated	kW	0.62	1.06	1.55	1.84
		EER			4.00	3.30	3.21	3.30
Heating (Average Season)		Design load		kW	2.2	2.6	4.3	4.6
		Declared Capacity	at reference design temperature	kW	2.0(-10℃)	2.3(-10℃)	3.5(-10℃)	4.1(-10℃)
			at bivalent temperature	kW	2.0(- 7℃)	2.3(- 7℃)	3.9(- 7℃)	4.1(- 7℃)
			at operation limit temperature	kW	2.0(-10℃)	2.3(-10℃)	3.5(-10℃)	4.1(-10℃)
		Back up heating capacity		kW	0.2	0.3	0.8	0.5
		Annual electricity consumption(*2)		kWh/a	732	825	1423	1568
		SCOP			4.2	4.4	4.2	4.1
			Energy efficiency class		A+	A+	A+	A+
		Capacity	Rated	kW	3.4	4.3	6.0	7.0
			Min-Max.	kW	1.3-4.2	1.1-5.0	1.5-7.2	1.6-8.0
		Total Input	Rated	kW	0.91	1.26	1.86	2.18
		COP			3.71	3.41	3.21	3.21
Operating Current (Max.)				A	7.0	8.7	14.0	15.4
Indoor Unit	Input [Cooling / Heating]		Rated	kW	0.020/0.024	0.020/0.024	0.037/0.052	0.063/0.059
	Operating Current (Max.)			A	0.20	0.20	0.45	0.55
	Dimensions		H x W x D	mm	600 x 750 x 215	600 x 750 x 215	600 x 750 x 215	600 x 750 x 215
	Weight			kg	14.5	14.5	14.5	15.0
	single	Air Volume	Cooling	m^3/min.	3.9 - 4.8 - 6.5 - 7.8 - 8.9	3.9 - 4.8 - 6.5 - 7.8 - 8.9	5.6 - 6.7 - 8.6 - 10.4 - 12.3	5.6 - 8.0 - 9.6 - 12.3 - 15.0
		(SLo-Lo-Mid-Hi-SHi (*3) ~~(Dry)~~)	Heating	m^3/min.	3.5 - 4.0 - 5.6 - 7.3 - 9.7	3.5 - 4.0 - 5.6 - 7.3 - 9.7	6.0 - 7.7 - 9.4 - 11.6 - 14.0	6.0 - 7.7 - 9.7 - 12.5 - 14.6
		Sound Level (SPL)	Cooling	dB(A)	19 - 24 - 31 - 37 - 41	19 - 24 - 31 - 37 - 41	28 - 32 - 37 - 42 - 48	28 - 36 - 40 - 46 - 53
		(SLo-Lo-Mid-Hi-SHi ~~(*3)~~)	Heating	dB(A)	19 - 23 - 30 - 37 - 44	19 - 23 - 30 - 37 - 44	29 - 35 - 40 - 44 - 49	29 - 35 - 41 - 47 - 51
		Sound Level (PWL)	Cooling	dB(A)	54	54	60	65
	Multi	Air Volume	Cooling	m^3/min.	4.2 - 4.8 - 6.5 - 7.8 - 9.0	4.2 - 4.8 - 6.5 - 7.8 - 9.0	5.6 - 6.7 - 8.6 - 10.4 - 12.3	-
		(SLo-Lo-Mid-Hi-SHi (*3) ~~(Dry)~~)	Heating	m^3/min.	4.2 - 4.9 - 6.3 - 7.8 - 9.7	4.2 - 4.9 - 6.3 - 7.8 - 9.7	6.0 - 7.7 - 9.4 - 11.6 - 14.0	-
		Sound Level (SPL)	Cooling	dB(A)	23 - 28 - 33 - 38 - 43	23 - 28 - 33 - 38 - 43	28 - 32 - 37 - 42 - 48	-
		(SLo-Lo-Mid-Hi-SHi ~~(*3)~~)	Heating	dB(A)	24 - 28 - 34 - 39 - 44	24 - 28 - 34 - 39 - 44	29 - 35 - 40 - 44 - 49	-
		Sound Level (PWL)	Cooling	dB(A)	54	54	60	-
Outdoor Unit	Dimensions		H x W x D	mm	550 x 800 x 285	550 x 800 x 285	714 x 800 x 285	880 x 840 x 300
	Weight			kg	30	35	41	54
	Air Volume		Cooling	m^3/min.	36.3	34.3	45.8	50.1
			Heating	m^3/min.	34.6	32.7	43.7	50.1
	Sound Level (SPL)		Cooling	dB(A)	45	48	48	49
			Heating	dB(A)	46	48	49	51
	Sound Level (PWL)		Cooling	dB(A)	59	59	64	65
	Operating Current (Max.)			A	6.8	8.5	13.5	14.8
	Breaker Size			A	10	10	20	20
Ext.Piping	Diameter		Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88
	Max.Length		Out-In	m	20	20	30	30
	Max.Height		Out-In	m	12	12	30	30
Guaranteed Operating Range (Outdoor)			Cooling	ºC	-10～+46	-10～+46	-15～+46	-15～+46
			Heating	ºC	-10～+24	-10～+24	-10～+24	-10～+24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

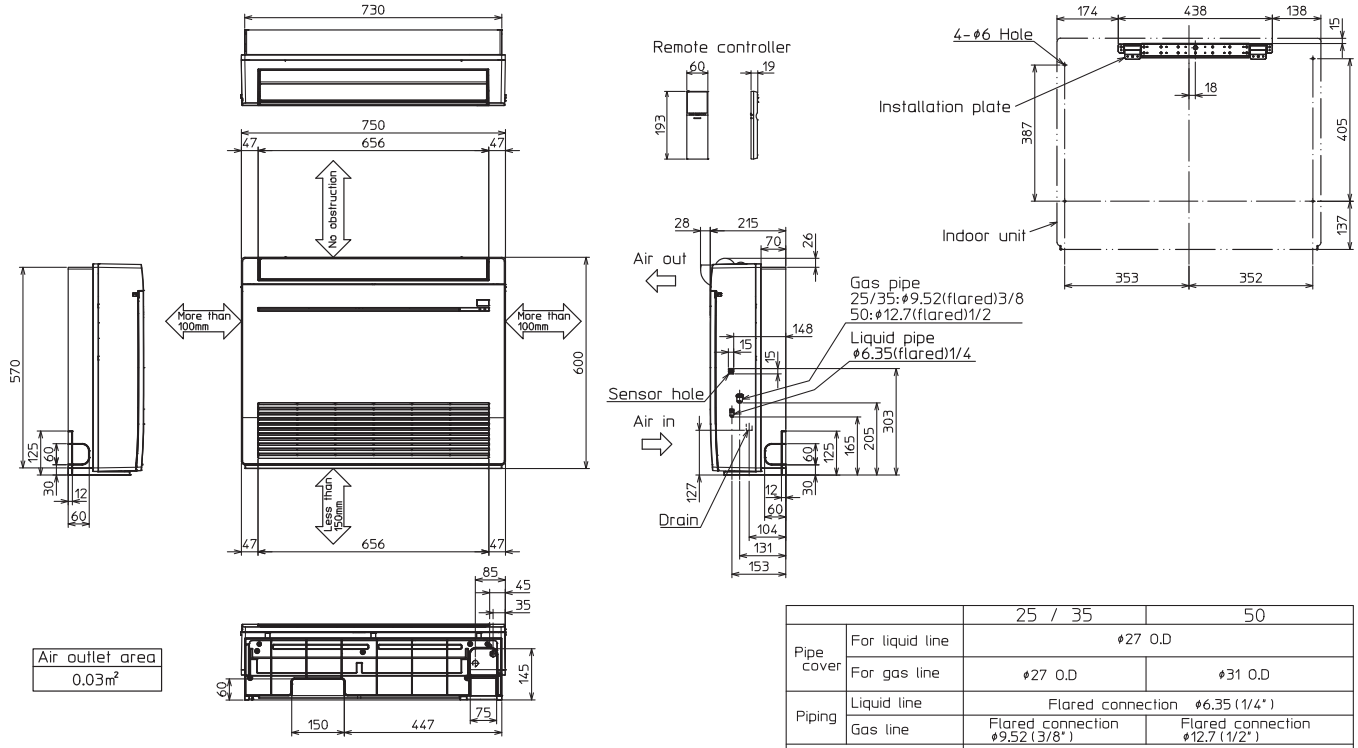
C.2.2 OUTLINES AND DIMENSIONS

C.2.2.1 Indoor Unit

Unit: mm

MFZ-KJ25VE2 MFZ-KJ35VE2 MFZ-KJ50VE2

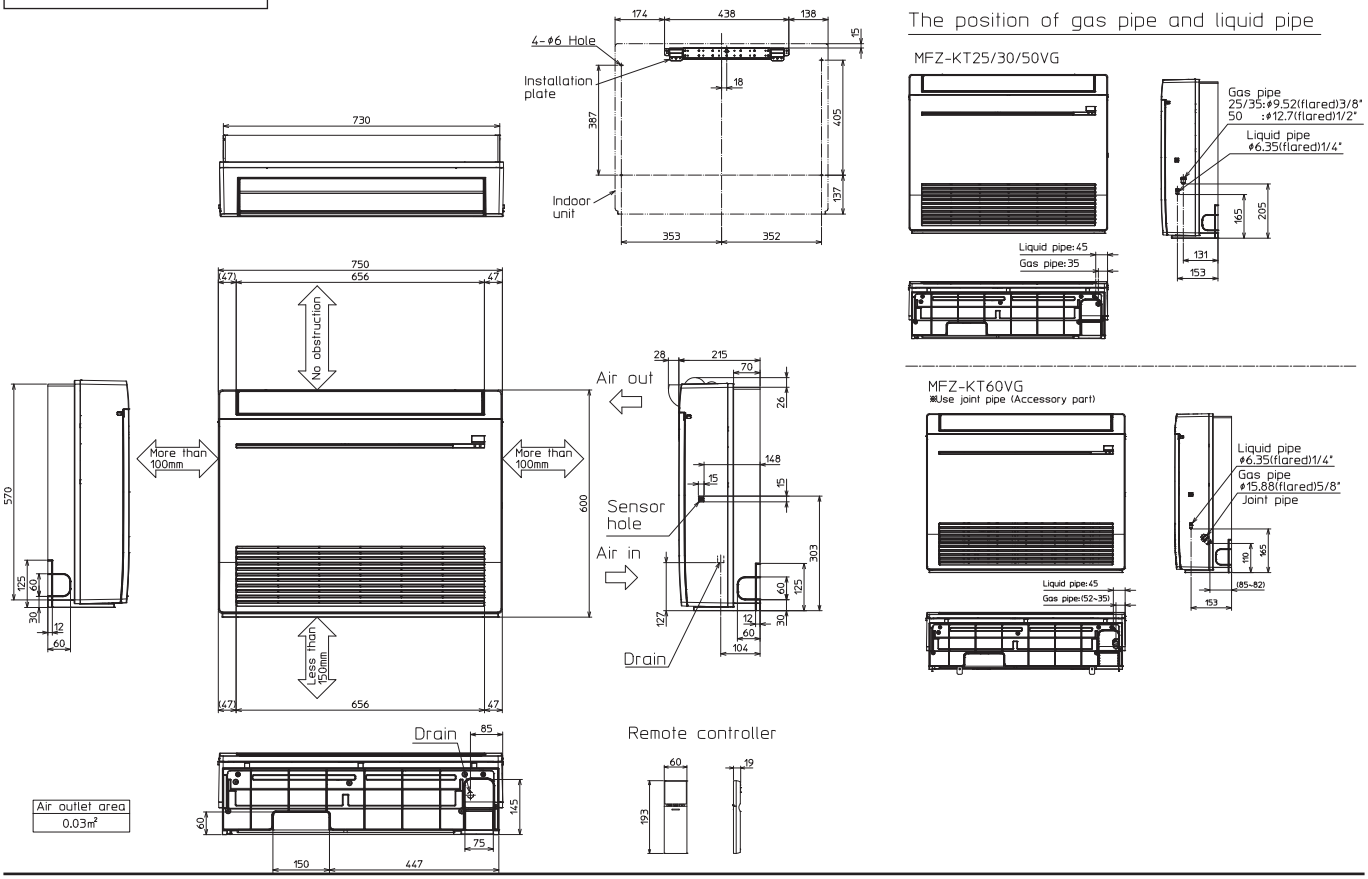
INDOOR UNIT



		25 / 35	50
Pipe cover	For liquid line	ø27 O.D	
	For gas line	ø27 O.D	ø31 O.D
Piping	Liquid line	Flared connection ø6.35 (1/4")	
	Gas line	Flared connection ø9.52 (3/8")	Flared connection ø12.7 (1/2")
Drain hose		Heat insulater ø29 O.D / Connection point ø16 O.D / Effective length 350 (case of right backward piping)	
Connection drain pipe		VP30	

MFZ-KT25VG MFZ-KT35VG MFZ-KT50VG MFZ-KT60VG

INDOOR UNIT

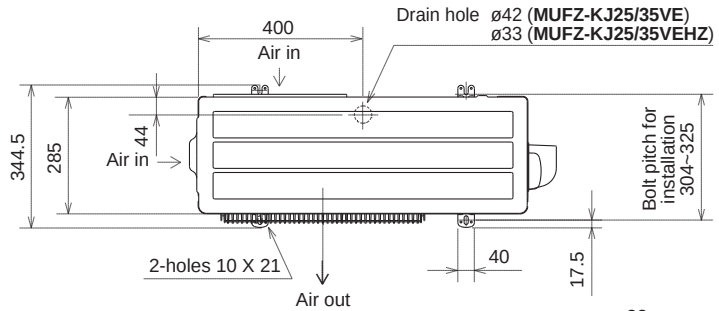


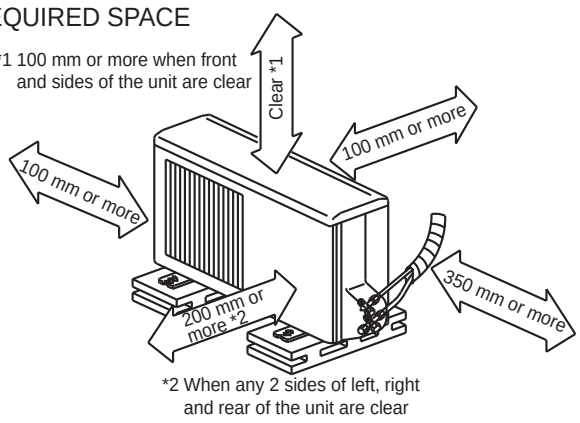
C.2.2.2 Outdoor Unit

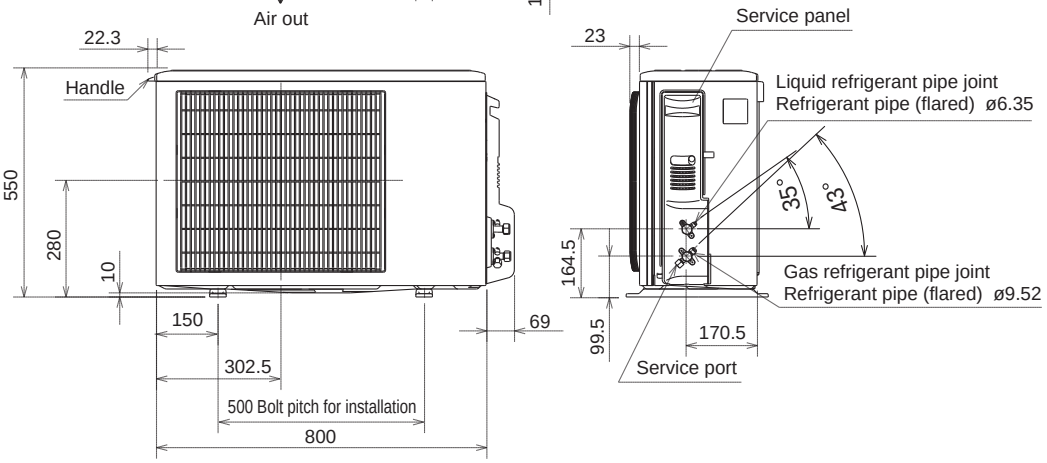
Unit: mm

MUFZ-KJ25VE MUFZ-KJ35VE
MUFZ-KJ25VEHZ MUFZ-KJ35VEHZ

OUTDOOR UNIT

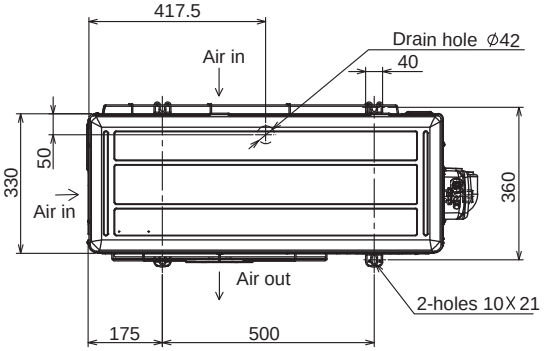


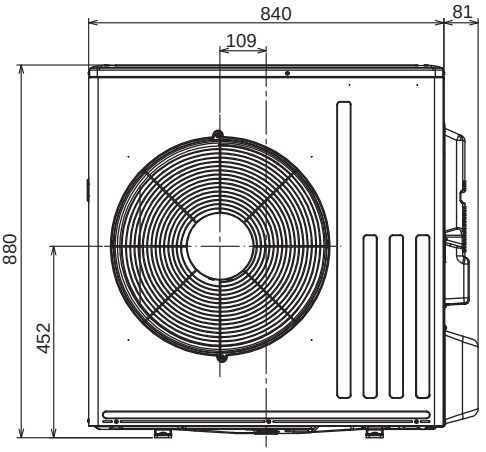


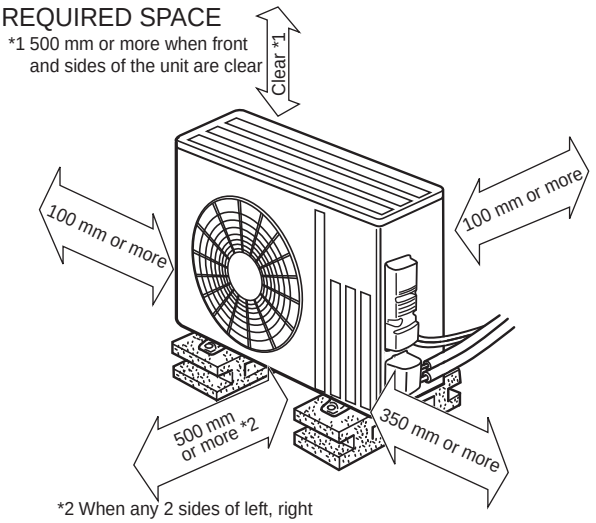


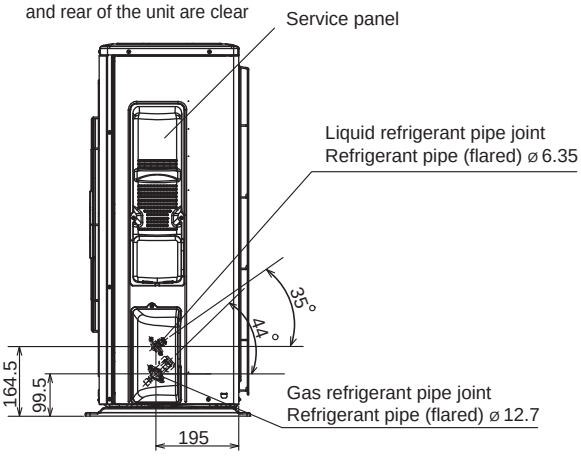
MUFZ-KJ50VE
MUFZ-KJ50VEHZ

OUTDOOR UNIT







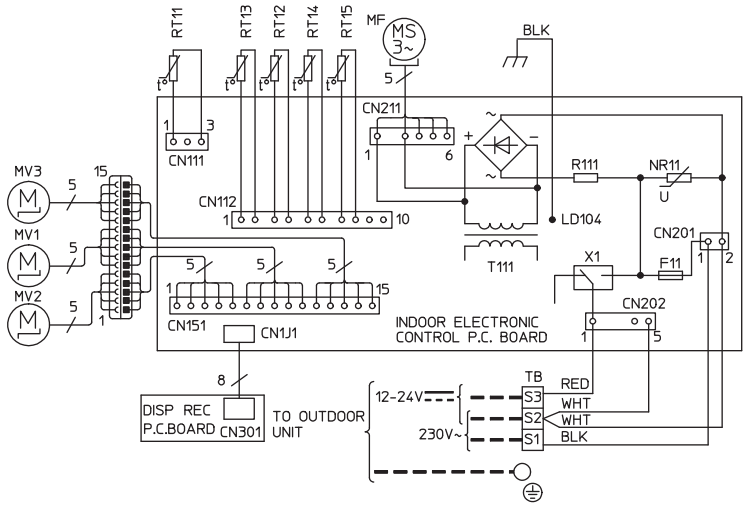


C.2.3 WIRING DIAGRAM

C.2.3.1 Indoor Unit

MFZ-KJ25VE2 MFZ-KJ35VE2 MFZ-KJ50VE2

INDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME
MF	FAN MOTOR	RT11	ROOM TEMP. THERMISTOR
MV1	HORIZONTAL VANE MOTOR (FRONT)	RT12	COIL TEMP. THERMISTOR(MAIN1)
MV2	HORIZONTAL VANE MOTOR (BACK)	RT13	COIL TEMP. THERMISTOR(SUB)
MV3	MULTI-FLOW VANE MOTOR	RT14	COIL TEMP. THERMISTOR(MAIN2)
F11	FUSE (T3.15AL250V)	RT15	COIL TEMP. THERMISTOR(MAIN3)
T111	TRANSFORMER	NR11	VARISTOR
X1	RELAY	R111	RESISTOR
TB	TERMINAL BLOCK		

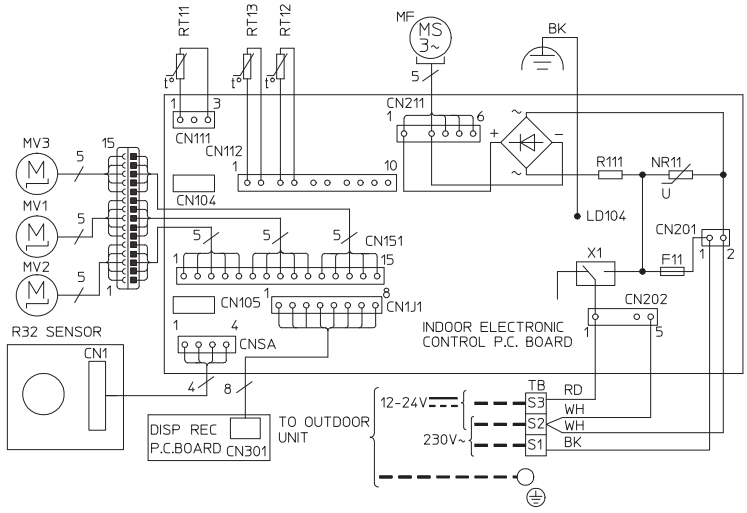
NOTES:
1.About the outdoor side electric wiring refer to the outdoor unit electric wiring diagram for servicing.
2.Use copper conductors only. (For field wiring)
3.Symbols below indicate.

: Terminal block

: Connector

MFZ-KT25VG MFZ-KT35VG MFZ-KT50VG

INDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME
MF	FAN MOTOR	TB	TERMINAL BLOCK
MV1	HORIZONTAL VANE MOTOR (FRONT)	RT11	ROOM TEMP. THERMISTOR
MV2	HORIZONTAL VANE MOTOR (BACK)	RT12	COIL TEMP. THERMISTOR(MAIN1)
MV3	MULTI-FLOW VANE MOTOR	RT13	COIL TEMP. THERMISTOR(SUB)
F11	FUSE (T3.15AL250V)	NR11	VARISTOR
X1	RELAY	R111	RESISTOR

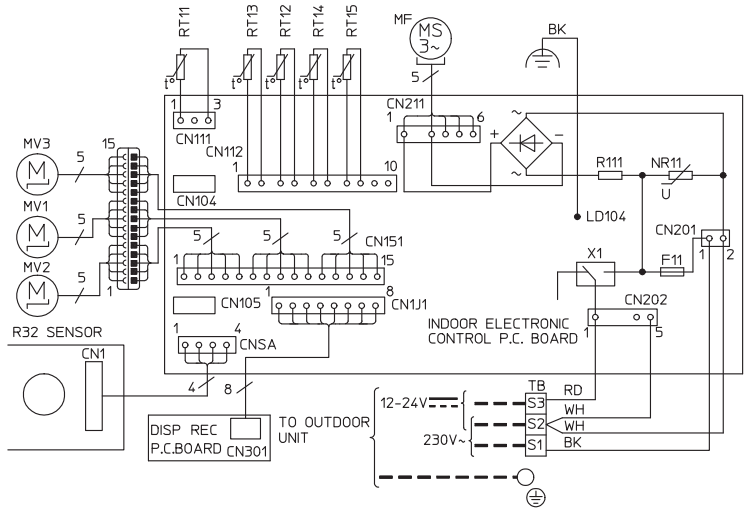
NOTES:
1. About the outdoor side electric wiring refer to the outdoor unit electric wiring diagram for servicing.
2. Use copper conductors only. (For field wiring)
3. Symbols below indicate.

: Terminal block

: Connector

MFZ-KT60VG

INDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME
MF	FAN MOTOR	RT11	ROOM TEMP. THERMISTOR
MV1	HORIZONTAL VANE MOTOR (FRONT)	RT12	COIL TEMP. THERMISTOR(MAIN1)
MV2	HORIZONTAL VANE MOTOR (BACK)	RT13	COIL TEMP. THERMISTOR(SUB)
MV3	MULTI-FLOW VANE MOTOR	RT14	COIL TEMP. THERMISTOR(MAIN2)
F11	FUSE (T3.15AL250V)	RT15	COIL TEMP. THERMISTOR(MAIN3)
X1	RELAY	NR11	VARISTOR
TB	TERMINAL BLOCK	R111	RESISTOR

NOTES:
1. About the outdoor side electric wiring refer to the outdoor unit electric wiring diagram for servicing
2. Use copper conductors only. (For field wiring)
3. Symbols below indicate.

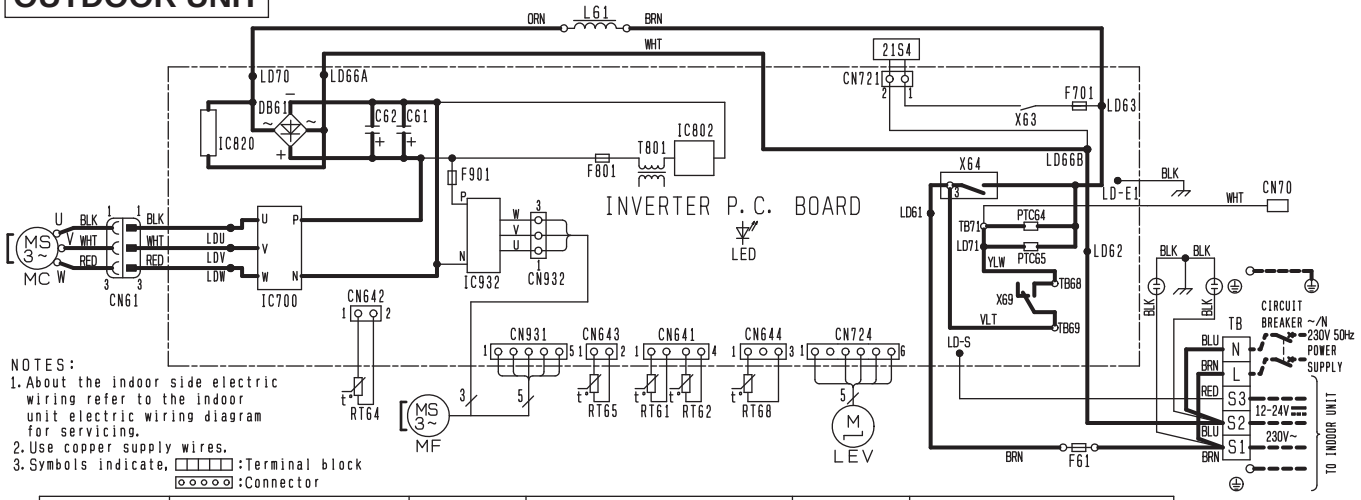
: Terminal block

: Connector

C.2.3.2 Outdoor Unit

MUFZ-KJ25VE MUFZ-KJ35VE

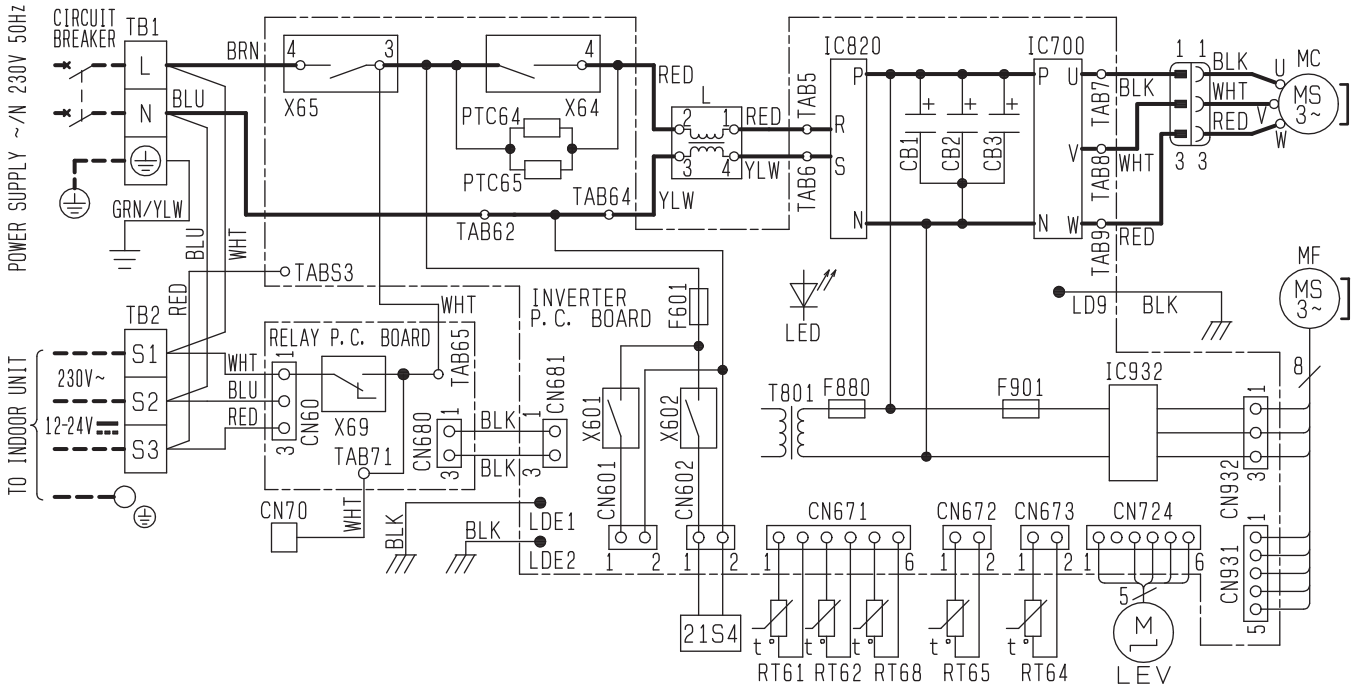
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN70	CONNECTOR	LED	LED	RT64	FIN TEMP. THERMISTOR
C61, C62	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
DB61	DIODE MODULE	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
F61	FUSE (T20AL250V)	MC	COMPRESSOR		
F701, F801, F901	FUSE (T3.15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
IC700, IC820 IC932	POWER MODULE	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
		RT61	DEFROST THERMISTOR	X63, X64, X69	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL

MUFZ-KJ50VE

OUTDOOR UNIT

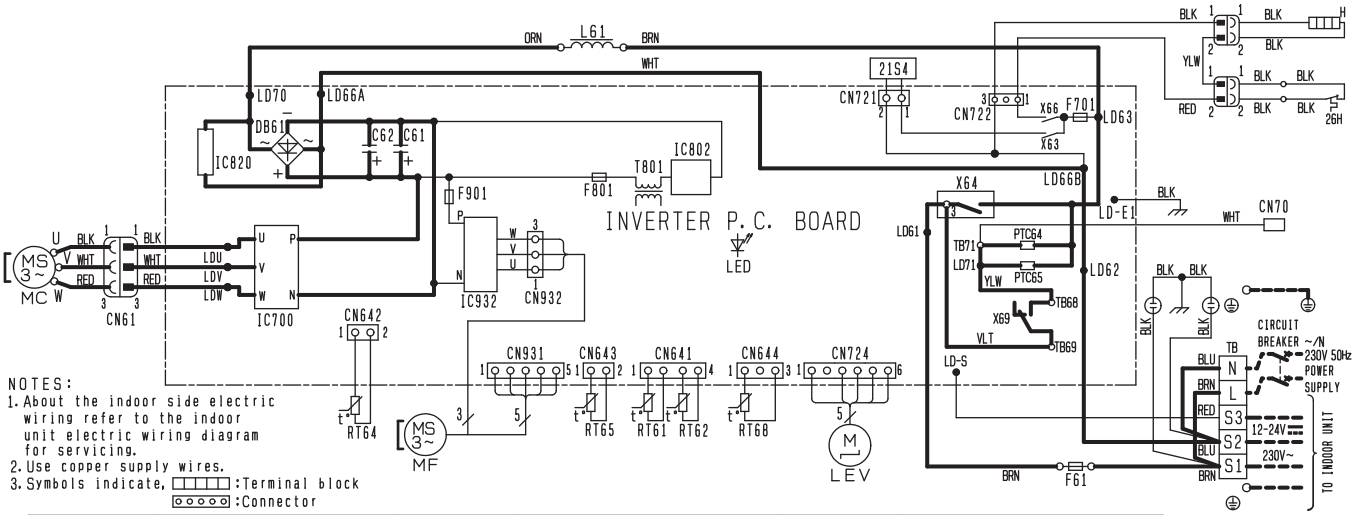


SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	L	REACTOR	RT62	DISCHARGE TEMP. THERMISTOR	X602	RELAY
CN70	CONNECTOR	LED	LED	RT64	FIN TEMP. THERMISTOR	X64	RELAY
F601	FUSE(T3.15AL250V)	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR	X65	RELAY
F880	FUSE(T3.15AL250V)	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR	X69	RELAY
F901	FUSE(T3.15AL250V)	MF	FAN MOTOR			21S4	REVERSING VALVE COIL
IC700	IGBT Module	PTC64	CIRCUIT PROTECTION	TB1, TB2	TERMINAL BLOCK		
IC820	DIODE Module	PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER		
IC932	IGBT Module	RT61	DEFROST THERMISTOR	X601	RELAY		

NOTES 1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires. 3. Symbols indicate, :Terminal block :Connector

MUFZ-KJ25VEHZ MUFZ-KJ35VEHZ

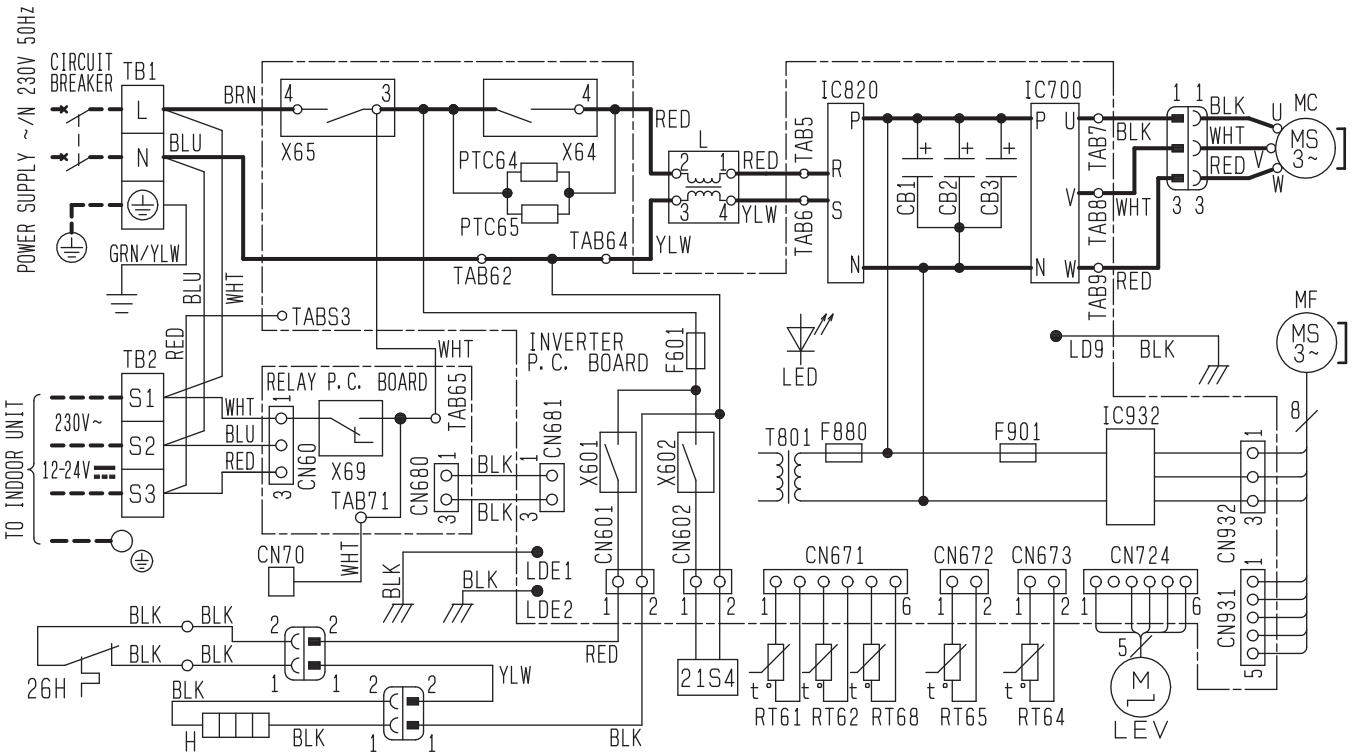
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CN70	CONNECTOR	LED	LED	RT65	AMBIENT TEMP. THERMISTOR
C61, C62	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61	DIODE MODULE	L61	REACTOR		
F61	FUSE (T20AL250V)	MC	COMPRESSOR	TB	TERMINAL BLOCK
F701, F801, F901	FUSE (T3.15AL250V)	MF	FAN MOTOR	T801	TRANSFORMER
H	DEFROST HEATER	PTC64, PTC65	CIRCUIT PROTECTION	X63, X64	RELAY
IC700, IC820 IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X66, X69	
		RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR

MUFZ-KJ50VEHZ

OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC932	IGBT Module	RT61	DEFROST THERMISTOR	X601	RELAY
CN70	CONNECTOR	L	REACTOR	RT62	DISCHARGE TEMP. THERMISTOR	X602	RELAY
F601	FUSE(T3.15AL250V)	LED	LED	RT64	FIN TEMP. THERMISTOR	X64	RELAY
F880	FUSE(T3.15AL250V)	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR	X65	RELAY
F901	FUSE(T3.15AL250V)	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR	X69	RELAY
H	DEFROST HEATER	MF	FAN MOTOR			21S4	REVERSING VALVE COIL
IC700	IGBT Module	PTC64	CIRCUIT PROTECTION	TB1, TB2	TERMINAL BLOCK	26H	HEATER PROTECTOR
IC820	DIODE Module	PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER		

NOTES 1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires. 3. Symbols indicate, ⊏⊐⊐⊐: Terminal block ⊙⊙⊙: Connector

C.2.4 REFRIGERANT SYSTEM DIAGRAM

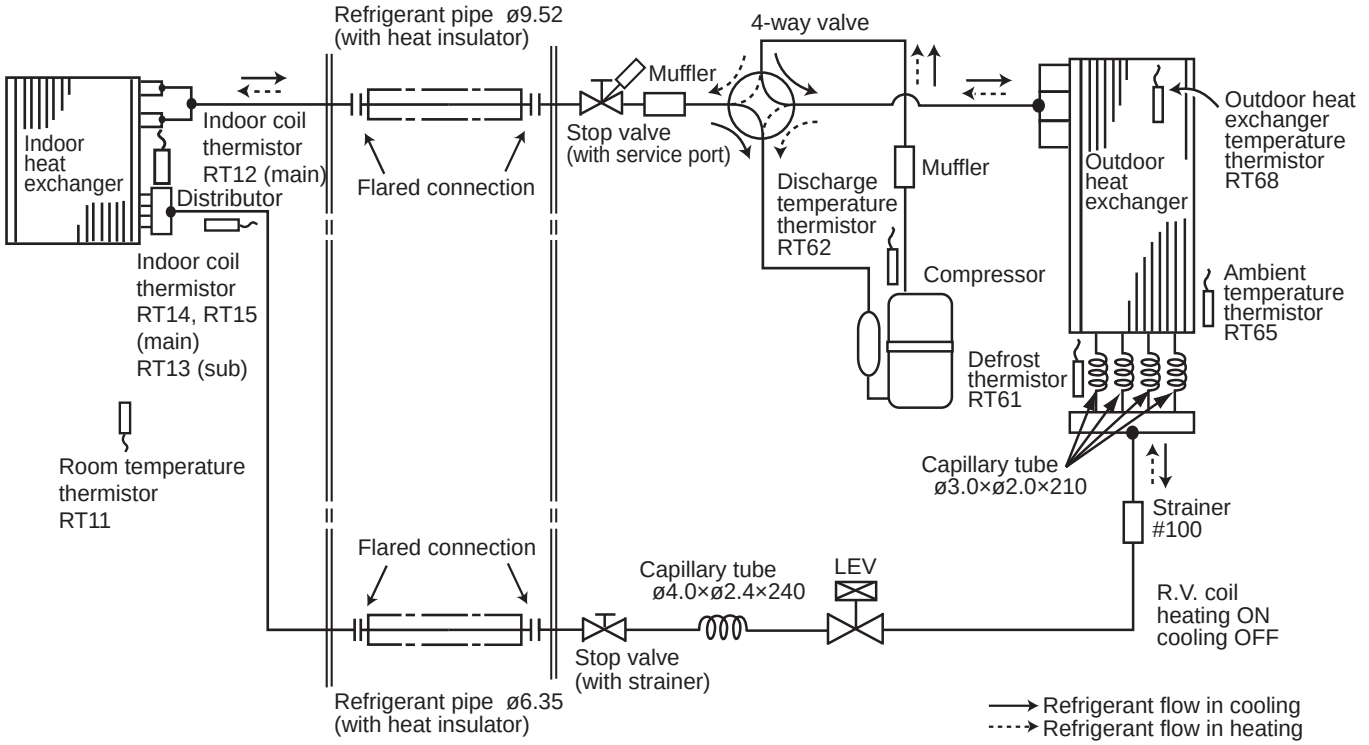
C.2.4.1 Inverter Heat Pump

Unit: mm

MFZ-KJ25VE2
MFZ-KJ35VE2

MUFZ-KJ25VE
MUFZ-KJ25VEHZ
MUFZ-KJ35VE
MUFZ-KJ35VEHZ

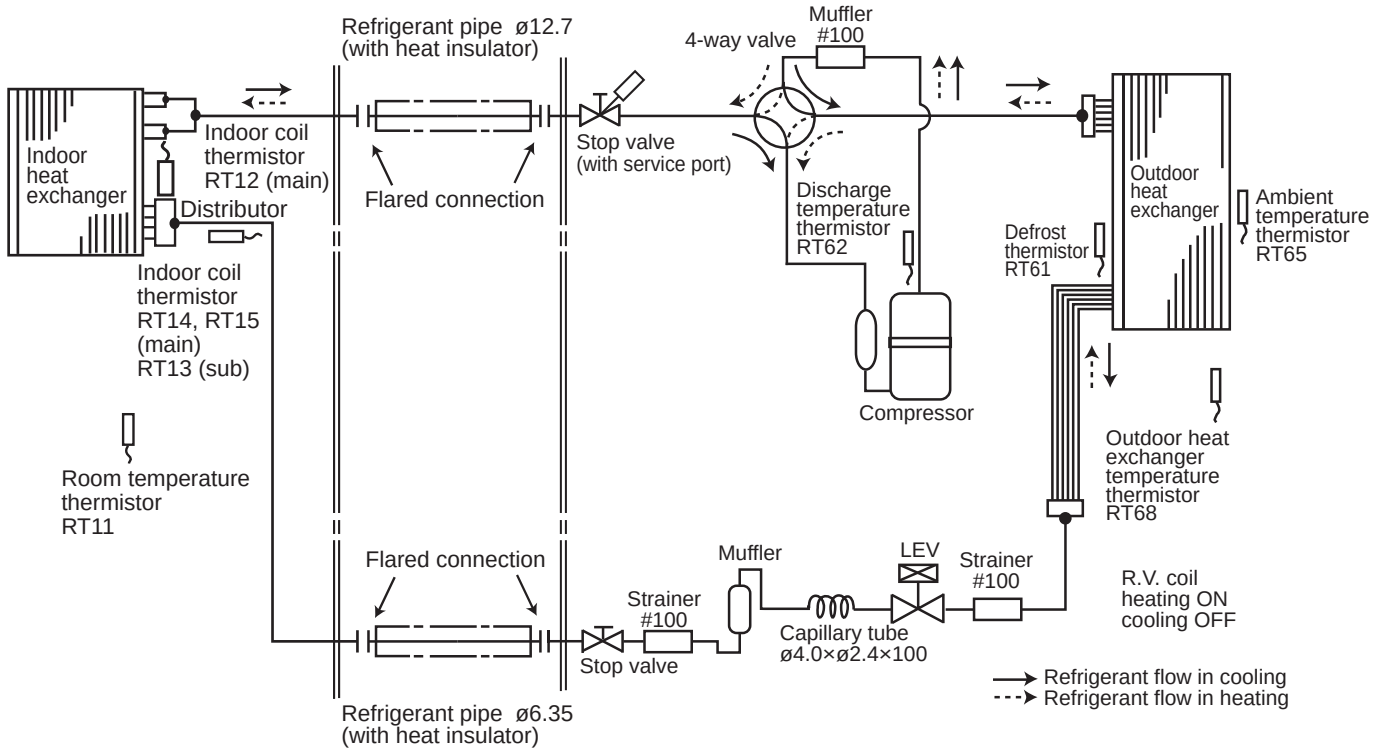
INDOOR UNIT | **OUTDOOR UNIT**



MFZ-KJ50VE2

MUFZ-KJ50VE
MUFZ-KJ50VEHZ

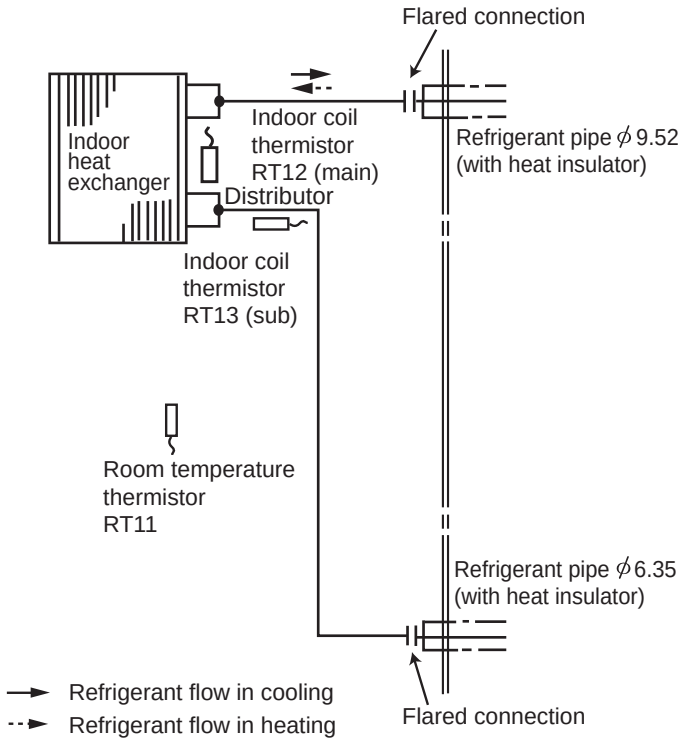
INDOOR UNIT | **OUTDOOR UNIT**



Unit: mm

MFZ-KT25VG
MFZ-KT35VG

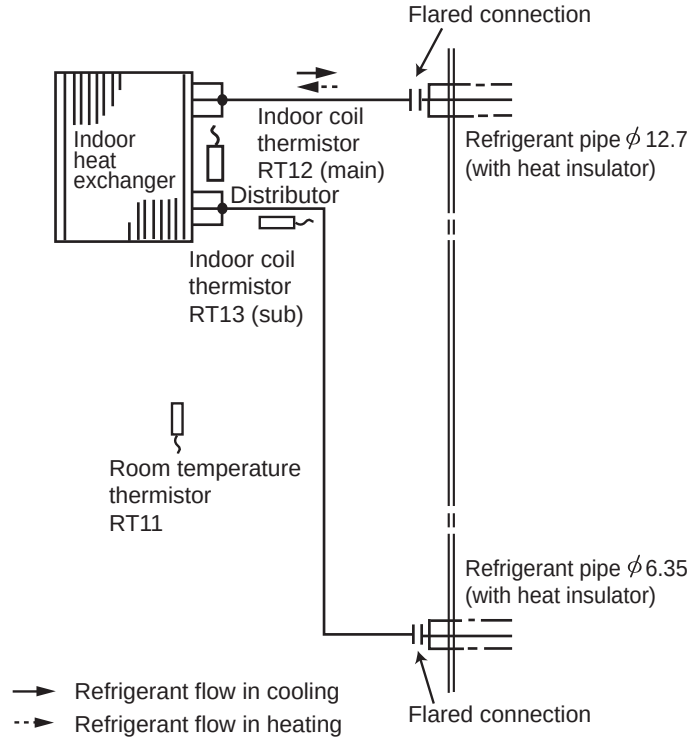
INDOOR UNIT **OUTDOOR UNIT**



For SUZ-M25/35VA connection

MFZ-KT50VG

INDOOR UNIT **OUTDOOR UNIT**

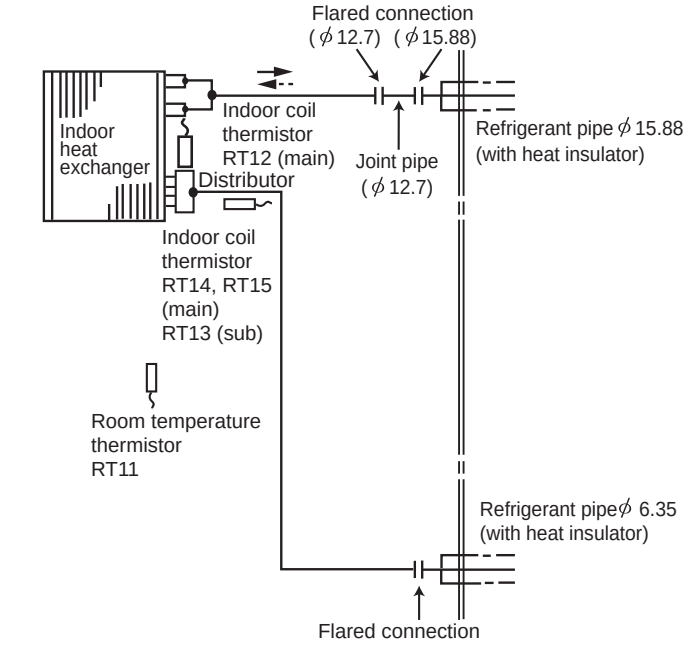


For SUZ-M50VA connection

Unit: mm

MFZ-KT60VG

INDOOR UNIT **OUTDOOR UNIT**



For SUZ-M60VA connection

→ Refrigerant flow in cooling
⇢ Refrigerant flow in heating

C.2.5 PERFORMANCE CURVES

C.2.5.1 Inverter Heat Pump

MUFZ-KJ25VE MUFZ-KJ35VE MUFZ-KJ50VE
MUFZ-KJ25VEHZ MUFZ-KJ35VEHZ MUFZ-KJ50VEHZ

The standard specifications apply only to the operation of the air conditioner under normal conditions, since operating conditions vary according to the areas where these units are installed. The following information has been provided to clarify the operating characteristics of the air conditioner under the conditions indicated by the performance curve.

(1) GUARANTEED VOLTAGE

198~264 V, (50 Hz)

(2) AIR FLOW

Air flow should be set at MAX.

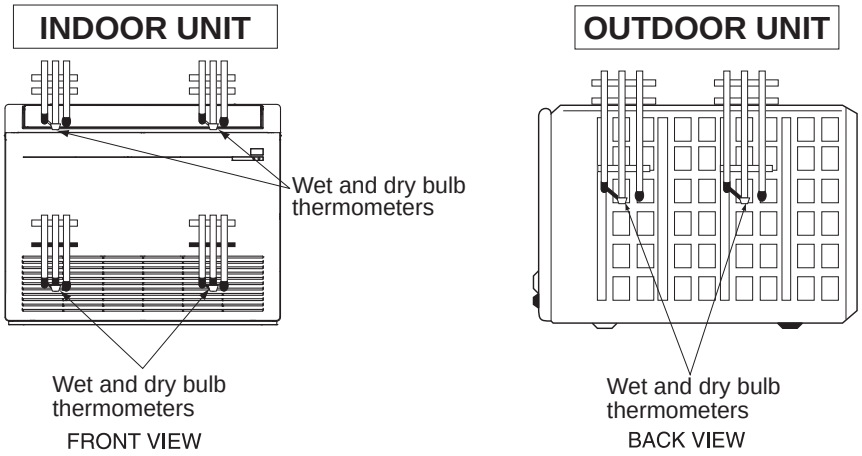
(3) MAIN READINGS

(1) Indoor intake air wet-bulb temperature :	°CWB	Cooling
(2) Indoor outlet air wet-bulb temperature :	°CWB	
(3) Outdoor intake air dry-bulb temperature :	°CDB	
(4) Total input:	W	
(5) Indoor intake air dry-bulb temperature :	°CDB	Heating
(6) Outdoor intake air wet-bulb temperature :	°CWB	
(7) Total input :	W	

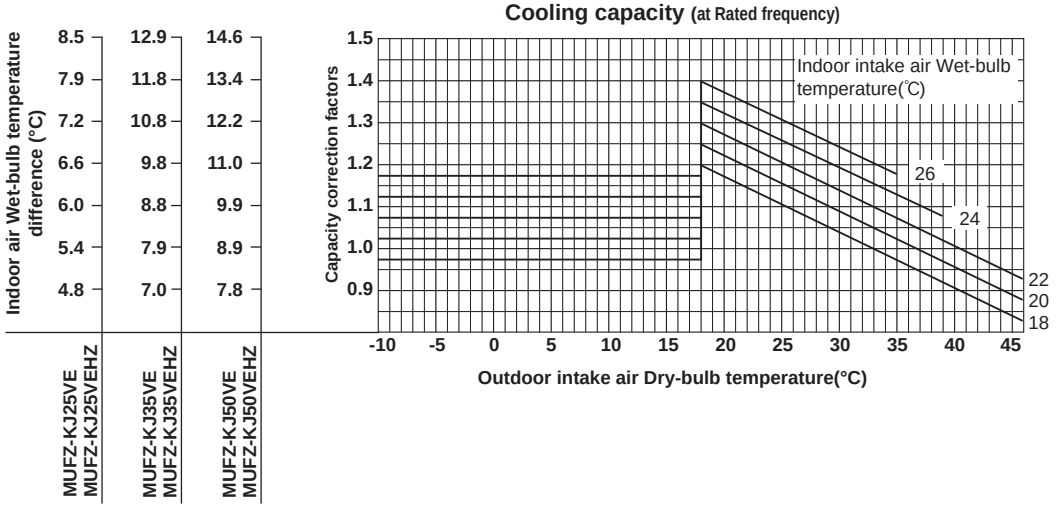
Indoor air wet and dry bulb temperature difference on the left side of the following chart shows the difference between the indoor intake air wet and dry bulb temperature and the indoor outlet air wet and dry bulb temperature for your reference at service.

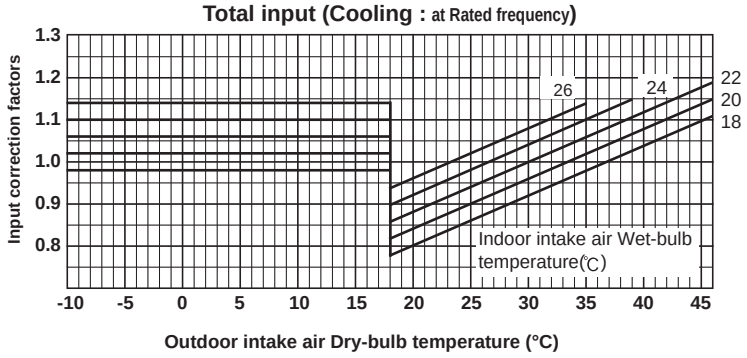
How to measure the indoor air wet/dry bulb temperature difference

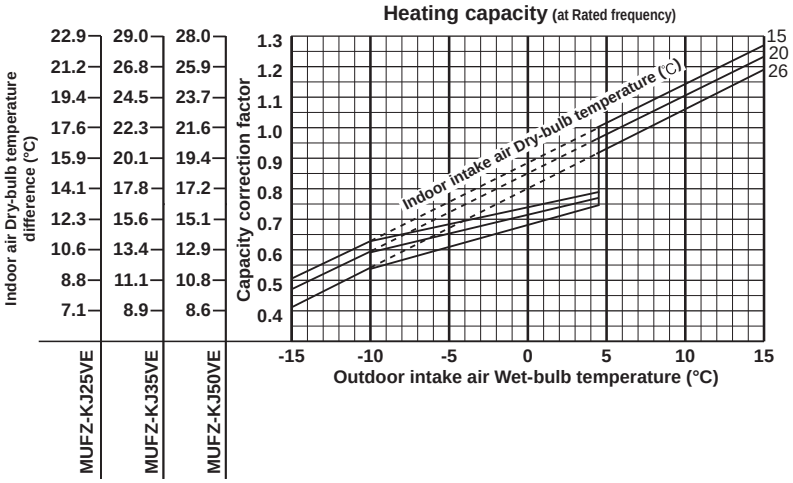
1. Attach at least 2 sets of wet and dry bulb thermometers to the indoor air intake as shown in the figure, and at least 2 sets of wet and dry bulb thermometers to the indoor air outlet. The thermometers must be attached to the position where air speed is high.
2. Attach at least 2 sets of wet and dry bulb thermometers to the outdoor air intake. Cover the thermometers to prevent direct rays of the sun.
3. Check that the air filter is cleaned.
4. Open windows and doors of room.
5. Press the EMERGENCY OPERATION switch once (twice) to start the EMERGENCY COOL (HEAT) MODE.
6. When system stabilizes after more than 15 minutes, measure temperature and take an average temperature.
7. 10 minutes later, measure temperature again and check that the temperature does not change.

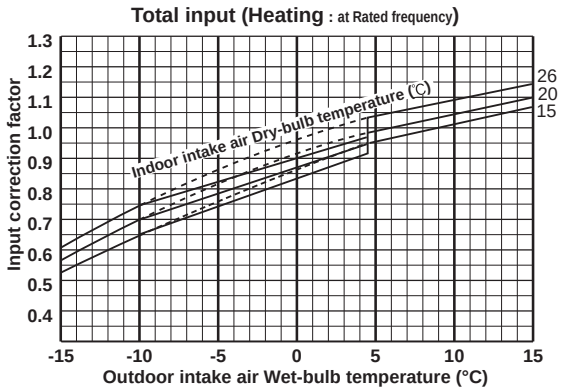


CAPACITY AND INPUT CURVES



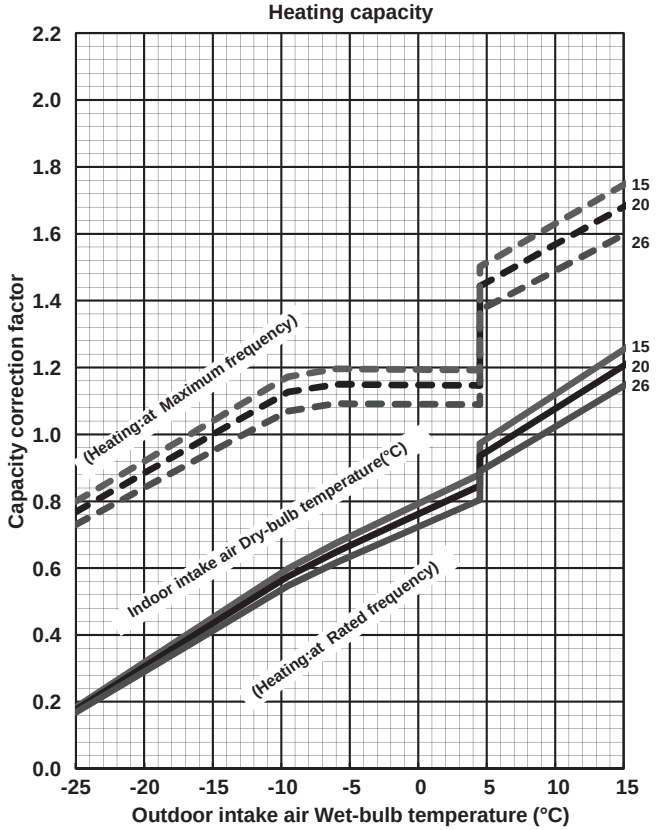




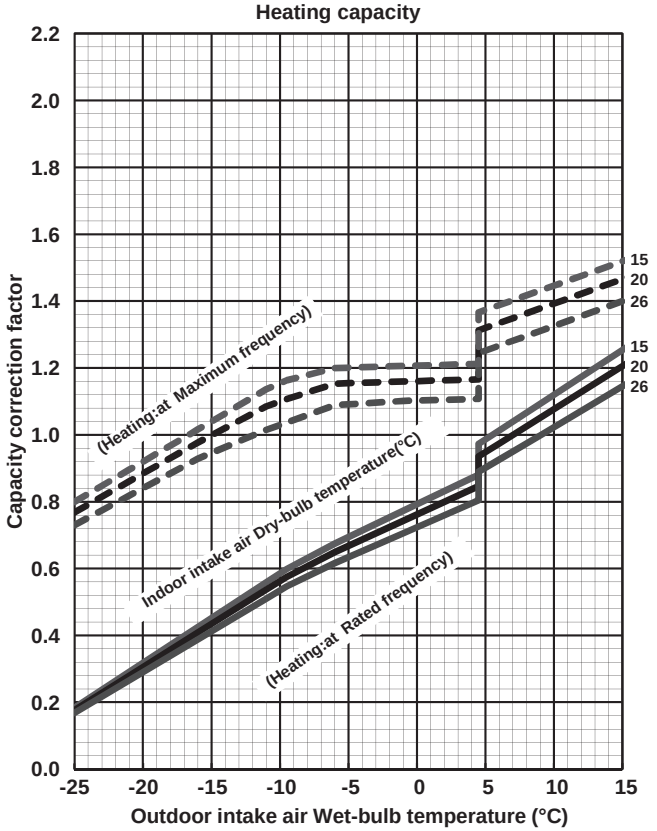


NOTE: The above broken lines are for the heating operation without any frost and defrost operation.

MUFZ-KJ25VEHZ

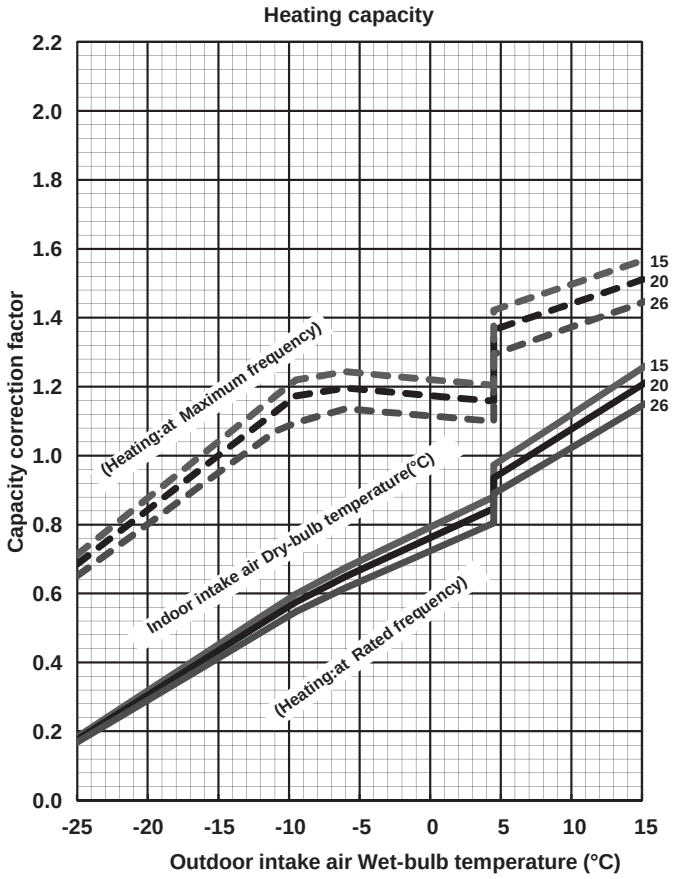


MUFZ-KJ35VEHZ

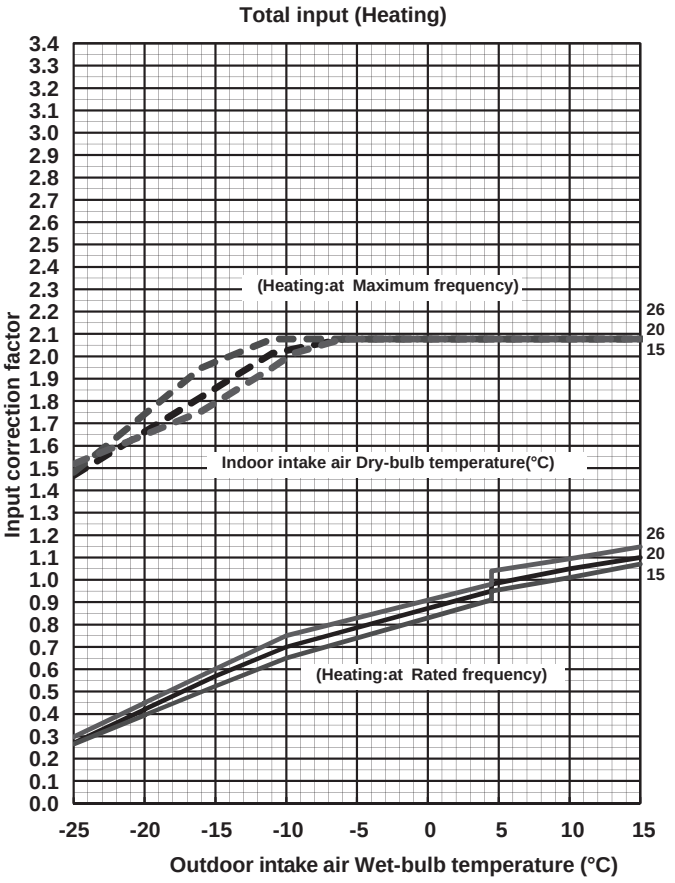


NOTE: The above broken lines are for the heating operation without any frost and defrost operation.

MUFZ-KJ50VEHZ



MUFZ-KJ25VEHZ



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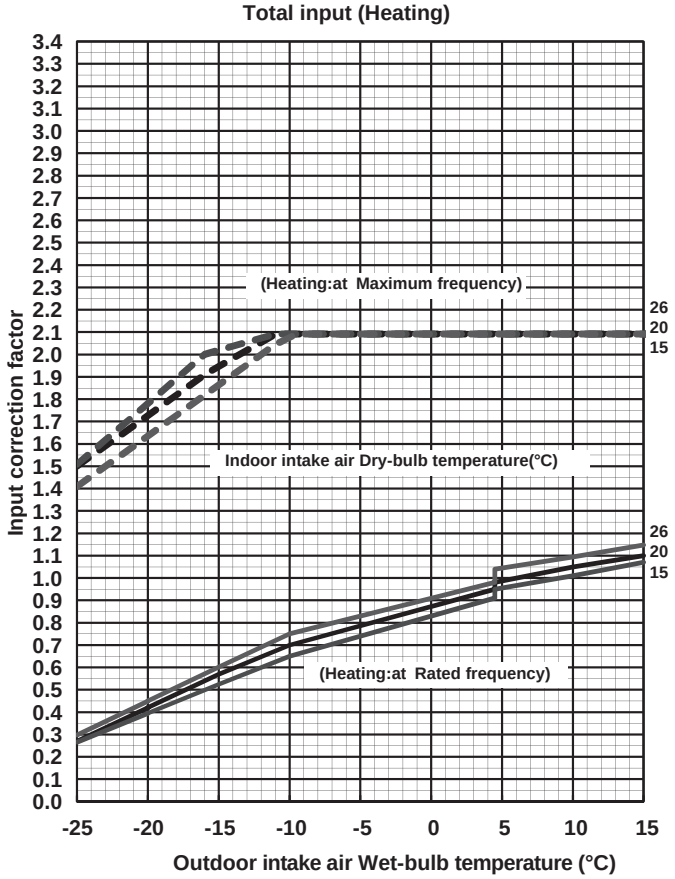
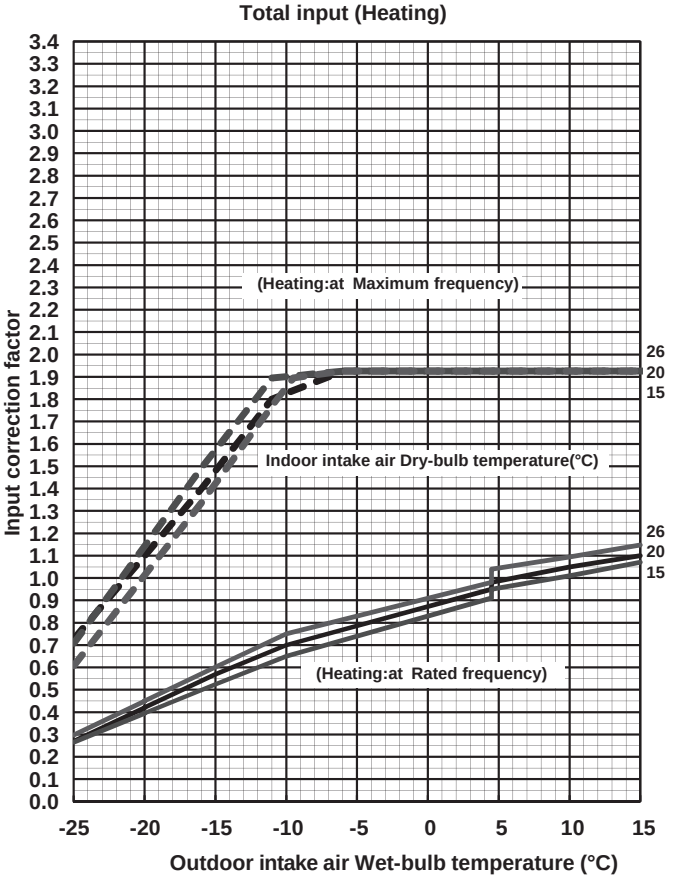


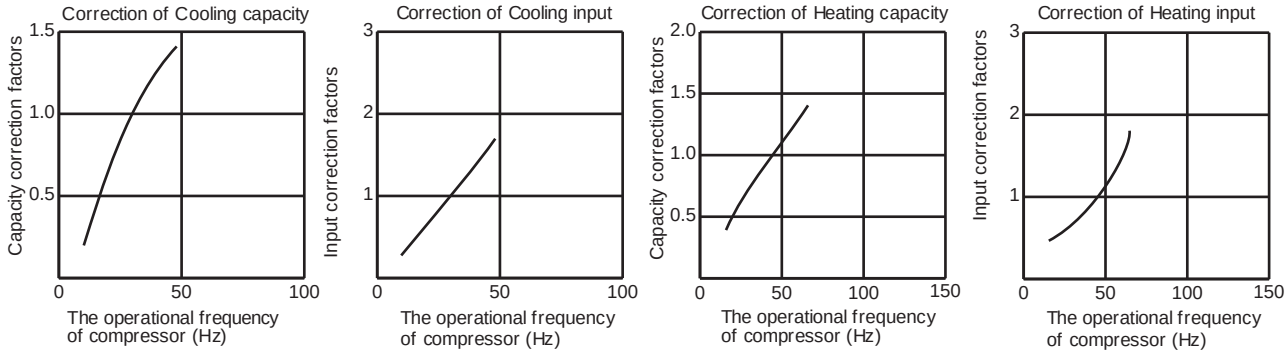
MUFZ-KJ50VEHZ



NOTE: The above broken lines are for the heating operation without any frost and defrost operation.

CAPACITY AND INPUT CORRECTION BY OPERATIONAL FREQUENCY OF COMPRESSOR

MUFZ-KJ25VE



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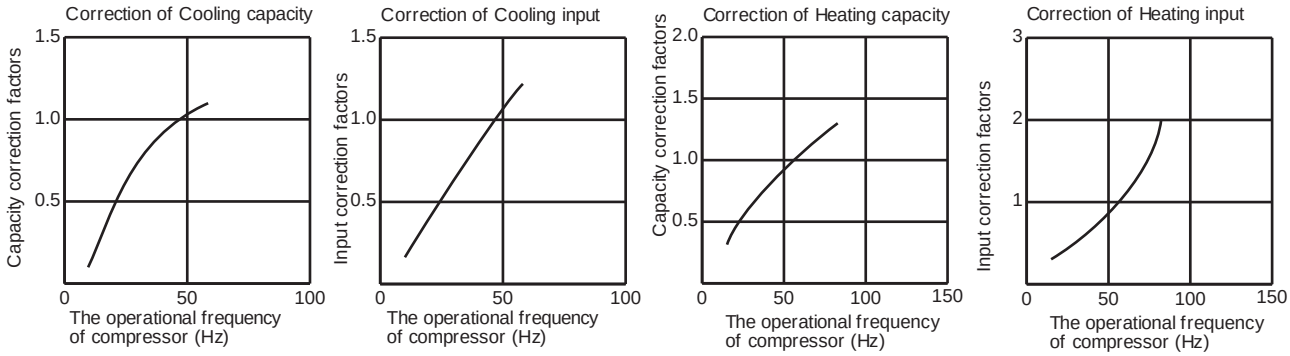

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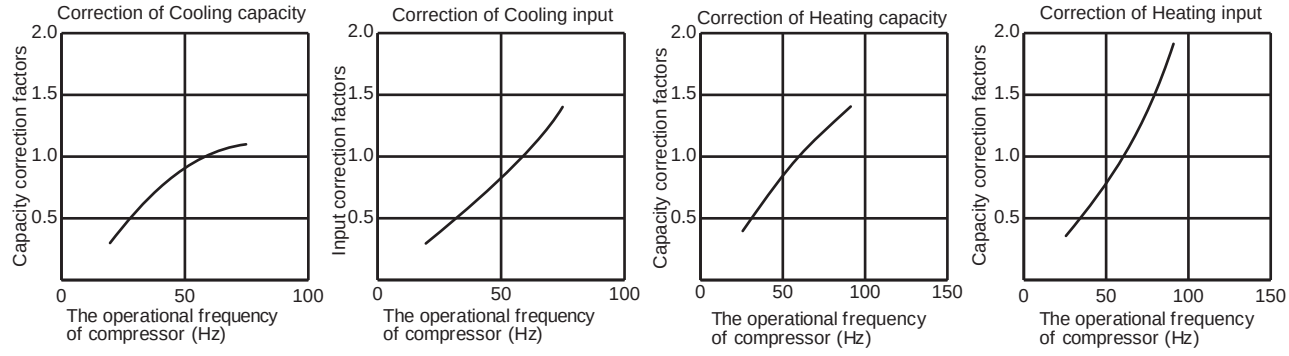

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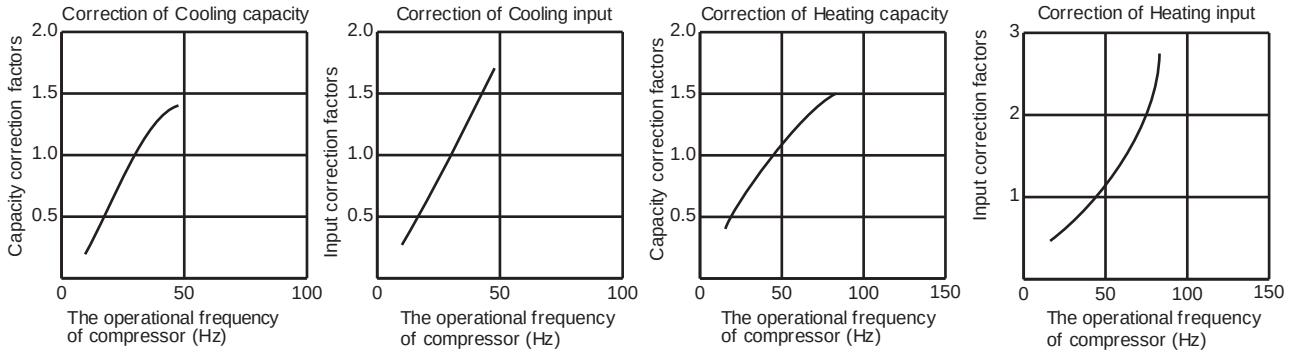

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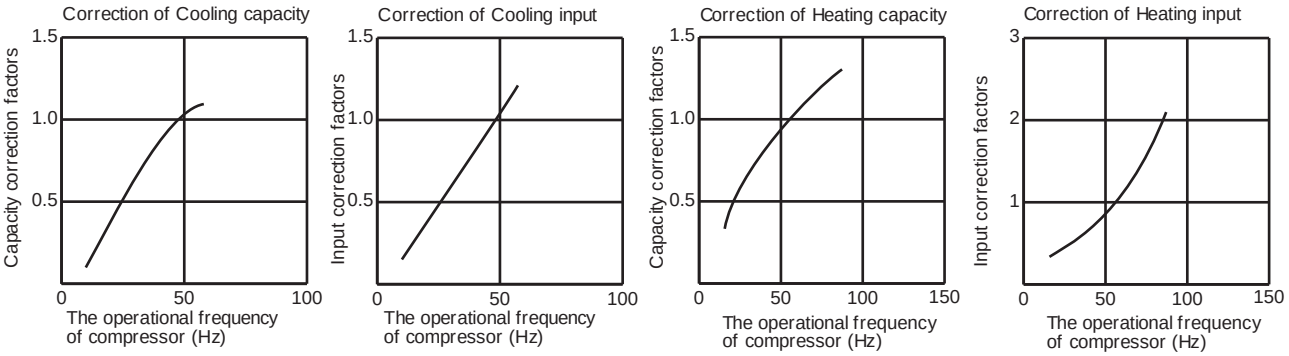

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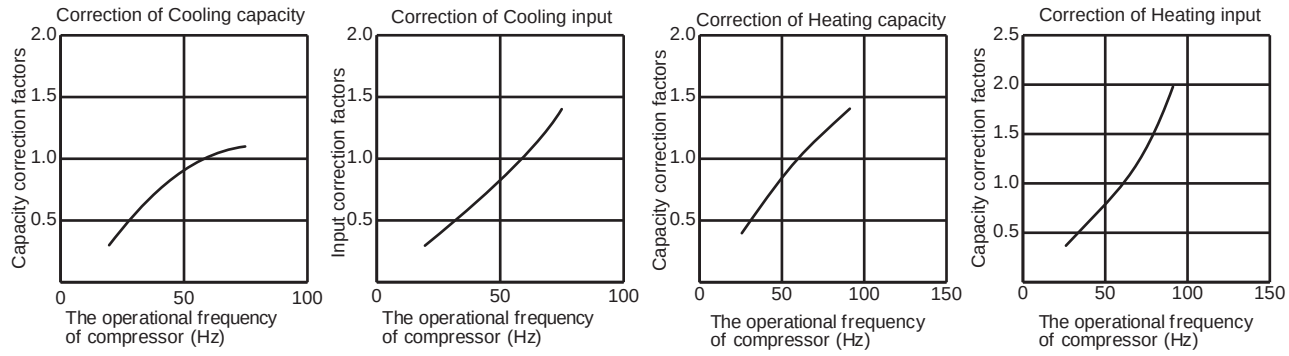


HOW TO OPERATE FIXED-FREQUENCY OPERATION

<Test run operation>

1. Press EMERGENCY OPERATION switch to start COOL or HEAT mode (COOL: Press once, HEAT: Press twice).
2. Test run operation starts and continues to operate for 30 minutes.
3. Compressor operates at rated frequency in COOL mode or 58 Hz in HEAT mode.
4. Indoor fan operates at High speed.
5. After 30 minutes, test run operation finishes and EMERGENCY OPERATION starts (operation frequency of compressor varies).
6. To cancel test run operation (EMERGENCY OPERATION), press EMERGENCY OPERATION switch or any button on remote controller.

OUTDOOR LOW PRESSURE AND OUTDOOR UNIT CURRENT

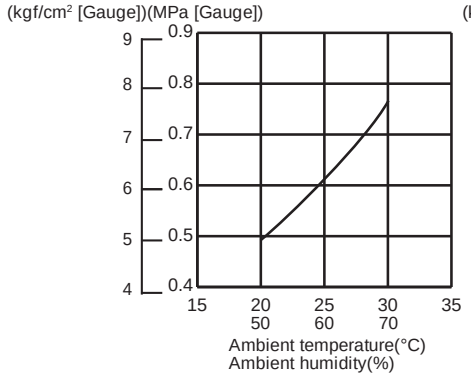
COOL operation

① Both indoor and outdoor unit are under the same temperature/ humidity condition.
② Operation: TEST RUN OPERATION (Refer to 8-3.)

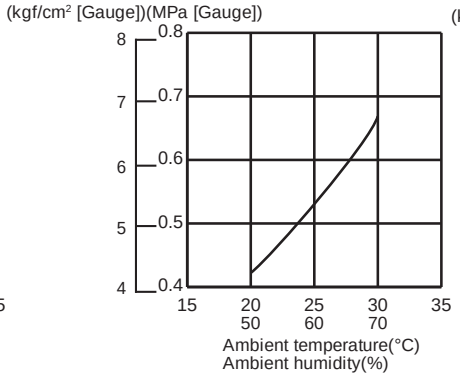
Dry-bulb temperature (°C)	Relative humidity (%)
20	50
25	60
30	70

Outdoor low pressure

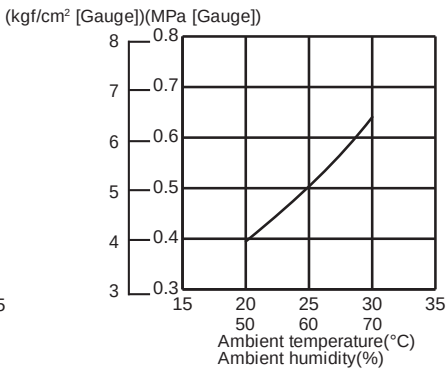
MUFZ-KJ25VE
MUFZ-KJ25VEHZ



MUFZ-KJ35VE
MUFZ-KJ35VEHZ



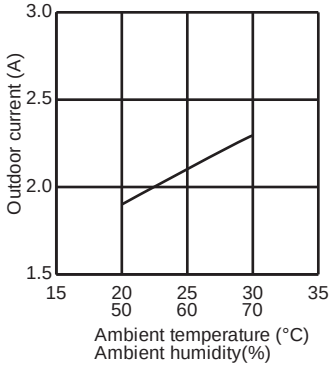
MUFZ-KJ50VE
MUFZ-KJ50VEHZ



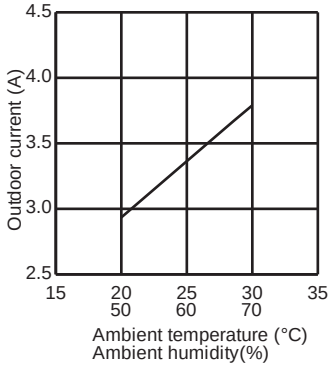
NOTE:
The unit of pressure has been changed to MPa on the international system of units (SI unit system)
The conversion factor is: **1 (MPa [Gauge]) = 10.2 (kgf/cm² [Gauge])**

Outdoor unit current

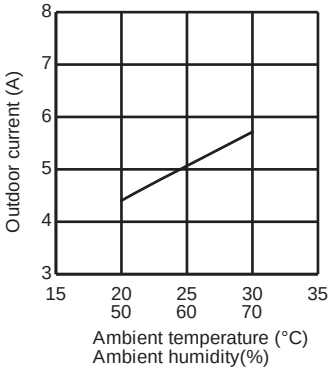
MUFZ-KJ25VE
MUFZ-KJ25VEHZ



MUFZ-KJ35VE
MUFZ-KJ35VEHZ



MUFZ-KJ50VE
MUFZ-KJ50VEHZ



HEAT operation

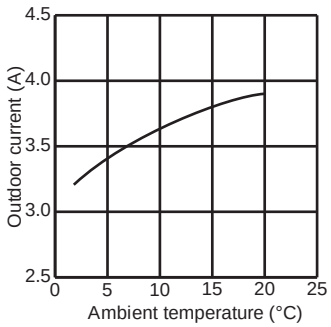
① Condition:

	Indoor	Outdoor			
Dry bulb temperature (°C)	20.0	2	7	15	20.0
Wet bulb temperature (°C)	14.5	1	6	12	14.5

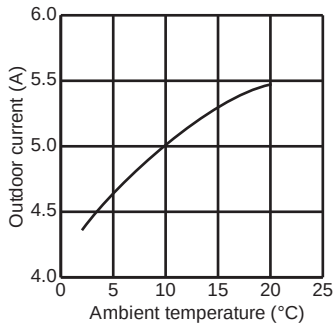
② Operation: Test run operation (Refer to 8-3.)

Outdoor unit current

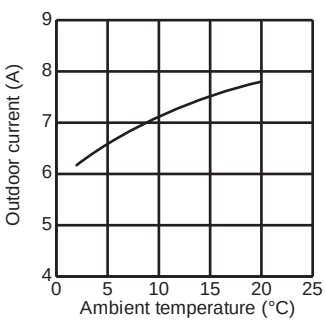
MUFZ-KJ25VE
MUFZ-KJ25VEHZ



MUFZ-KJ35VE
MUFZ-KJ35VEHZ



MUFZ-KJ50VE
MUFZ-KJ50VEHZ



C.2.6 PERFORMANCE DATA

C.2.6.1 Inverter Heat Pump

PERFORMANCE DATA COOL operation at Rated frequency

MFZ-KJ25VE2: MUFZ-KJ25VE MUFZ-KJ25VEHZ

CAPACITY: 2.5 kW SHF: 0.85 INPUT: 540 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.94	1.97	0.67	432	2.81	1.88	0.67	454	2.70	1.81	0.67	475	2.60	1.74	0.67	497
21	20	3.06	1.68	0.55	454	2.94	1.62	0.55	481	2.85	1.57	0.55	491	2.75	1.51	0.55	513
22	18	2.94	2.09	0.71	432	2.81	2.00	0.71	454	2.70	1.92	0.71	475	2.60	1.85	0.71	497
22	20	3.06	1.81	0.59	454	2.94	1.73	0.59	481	2.85	1.68	0.59	491	2.75	1.62	0.59	513
22	22	3.19	1.50	0.47	470	3.08	1.45	0.47	500	3.00	1.41	0.47	513	2.88	1.35	0.47	535
23	18	2.94	2.20	0.75	432	2.81	2.11	0.75	454	2.70	2.03	0.75	475	2.60	1.95	0.75	497
23	20	3.06	1.93	0.63	454	2.94	1.85	0.63	481	2.85	1.80	0.63	491	2.75	1.73	0.63	513
23	22	3.19	1.63	0.51	470	3.08	1.57	0.51	500	3.00	1.53	0.51	513	2.88	1.47	0.51	535
24	18	2.94	2.32	0.79	432	2.81	2.22	0.79	454	2.70	2.13	0.79	475	2.60	2.05	0.79	497
24	20	3.06	2.05	0.67	454	2.94	1.97	0.67	481	2.85	1.91	0.67	491	2.75	1.84	0.67	513
24	22	3.19	1.75	0.55	470	3.08	1.69	0.55	500	3.00	1.65	0.55	513	2.88	1.58	0.55	535
24	24	3.35	1.44	0.43	491	3.23	1.39	0.43	518	3.15	1.35	0.43	535	3.05	1.31	0.43	562
25	18	2.94	2.44	0.83	432	2.81	2.33	0.83	454	2.70	2.24	0.83	475	2.60	2.16	0.83	497
25	20	3.06	2.17	0.71	454	2.94	2.09	0.71	481	2.85	2.02	0.71	491	2.75	1.95	0.71	513
25	22	3.19	1.88	0.59	470	3.08	1.81	0.59	500	3.00	1.77	0.59	513	2.88	1.70	0.59	535
25	24	3.35	1.57	0.47	491	3.23	1.52	0.47	518	3.15	1.48	0.47	535	3.05	1.43	0.47	562
26	18	2.94	2.56	0.87	432	2.81	2.45	0.87	454	2.70	2.35	0.87	475	2.60	2.26	0.87	497
26	20	3.06	2.30	0.75	454	2.94	2.20	0.75	481	2.85	2.14	0.75	491	2.75	2.06	0.75	513
26	22	3.19	2.01	0.63	470	3.08	1.94	0.63	500	3.00	1.89	0.63	513	2.88	1.81	0.63	535
26	24	3.35	1.71	0.51	491	3.23	1.64	0.51	518	3.15	1.61	0.51	535	3.05	1.56	0.51	562
26	26	3.45	1.35	0.39	518	3.35	1.31	0.39	545	3.30	1.29	0.39	562	3.20	1.25	0.39	578
27	18	2.94	2.67	0.91	432	2.81	2.56	0.91	454	2.70	2.46	0.91	475	2.60	2.37	0.91	497
27	20	3.06	2.42	0.79	454	2.94	2.32	0.79	481	2.85	2.25	0.79	491	2.75	2.17	0.79	513
27	22	3.19	2.14	0.67	470	3.08	2.06	0.67	500	3.00	2.01	0.67	513	2.88	1.93	0.67	535
27	24	3.35	1.84	0.55	491	3.23	1.77	0.55	518	3.15	1.73	0.55	535	3.05	1.68	0.55	562
27	26	3.45	1.48	0.43	518	3.35	1.44	0.43	545	3.30	1.42	0.43	562	3.20	1.38	0.43	578
28	18	2.94	2.79	0.95	432	2.81	2.67	0.95	454	2.70	2.57	0.95	475	2.60	2.47	0.95	497
28	20	3.06	2.54	0.83	454	2.94	2.44	0.83	481	2.85	2.37	0.83	491	2.75	2.28	0.83	513
28	22	3.19	2.26	0.71	470	3.08	2.18	0.71	500	3.00	2.13	0.71	513	2.88	2.04	0.71	535
28	24	3.35	1.98	0.59	491	3.23	1.90	0.59	518	3.15	1.86	0.59	535	3.05	1.80	0.59	562
28	26	3.45	1.62	0.47	518	3.35	1.57	0.47	545	3.30	1.55	0.47	562	3.20	1.50	0.47	578
29	18	2.94	2.91	0.99	432	2.81	2.78	0.99	454	2.70	2.67	0.99	475	2.60	2.57	0.99	497
29	20	3.06	2.66	0.87	454	2.94	2.56	0.87	481	2.85	2.48	0.87	491	2.75	2.39	0.87	513
29	22	3.19	2.39	0.75	470	3.08	2.31	0.75	500	3.00	2.25	0.75	513	2.88	2.16	0.75	535
29	24	3.35	2.11	0.63	491	3.23	2.03	0.63	518	3.15	1.98	0.63	535	3.05	1.92	0.63	562
29	26	3.45	1.76	0.51	518	3.35	1.71	0.51	545	3.30	1.68	0.51	562	3.20	1.63	0.51	578
30	18	2.94	2.94	1.00	432	2.81	2.81	1.00	454	2.70	2.70	1.00	475	2.60	2.60	1.00	497
30	20	3.06	2.79	0.91	454	2.94	2.67	0.91	481	2.85	2.59	0.91	491	2.75	2.50	0.91	513
30	22	3.19	2.52	0.79	470	3.08	2.43	0.79	500	3.00	2.37	0.79	513	2.88	2.27	0.79	535
30	24	3.35	2.24	0.67	491	3.23	2.16	0.67	518	3.15	2.11	0.67	535	3.05	2.04	0.67	562
30	26	3.45	1.90	0.55	518	3.35	1.84	0.55	545	3.30	1.82	0.55	562	3.20	1.76	0.55	578
31	18	2.94	2.94	1.00	432	2.81	2.81	1.00	454	2.70	2.70	1.00	475	2.60	2.60	1.00	497
31	20	3.06	2.91	0.95	454	2.94	2.79	0.95	481	2.85	2.71	0.95	491	2.75	2.61	0.95	513
31	22	3.19	2.65	0.83	470	3.08	2.55	0.83	500	3.00	2.49	0.83	513	2.88	2.39	0.83	535
31	24	3.35	2.38	0.71	491	3.23	2.29	0.71	518	3.15	2.24	0.71	535	3.05	2.17	0.71	562
31	26	3.45	2.04	0.59	518	3.35	1.98	0.59	545	3.30	1.95	0.59	562	3.20	1.89	0.59	578
32	18	2.94	2.94	1.00	432	2.81	2.81	1.00	454	2.70	2.70	1.00	475	2.60	2.60	1.00	497
32	20	3.06	3.03	0.99	454	2.94	2.91	0.99	481	2.85	2.82	0.99	491	2.75	2.72	0.99	513
32	22	3.19	2.77	0.87	470	3.08	2.68	0.87	500	3.00	2.61	0.87	513	2.88	2.50	0.87	535
32	24	3.35	2.51	0.75	491	3.23	2.42	0.75	518	3.15	2.36	0.75	535	3.05	2.29	0.75	562
32	26	3.45	2.17	0.63	518	3.35	2.11	0.63	545	3.30	2.08	0.63	562	3.20	2.02	0.63	578

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MFZ-KJ25VE2: MUFZ-KJ25VE MUFZ-KJ25VEHZ

CAPACITY: 2.5 kW SHF: 0.85 INPUT: 540 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.45	1.64	0.67	529	2.25	1.51	0.67	562	2.08	1.39	0.67	583
21	20	2.58	1.42	0.55	551	2.40	1.32	0.55	578	2.23	1.22	0.55	610
22	18	2.45	1.74	0.71	529	2.25	1.60	0.71	562	2.08	1.47	0.71	583
22	20	2.58	1.52	0.59	551	2.40	1.42	0.59	578	2.23	1.31	0.59	610
22	22	2.73	1.28	0.47	572	2.55	1.20	0.47	605	2.38	1.12	0.47	626
23	18	2.45	1.84	0.75	529	2.25	1.69	0.75	562	2.08	1.56	0.75	583
23	20	2.58	1.62	0.63	551	2.40	1.51	0.63	578	2.23	1.40	0.63	610
23	22	2.73	1.39	0.51	572	2.55	1.30	0.51	605	2.38	1.21	0.51	626
24	18	2.45	1.94	0.79	529	2.25	1.78	0.79	562	2.08	1.64	0.79	583
24	20	2.58	1.73	0.67	551	2.40	1.61	0.67	578	2.23	1.49	0.67	610
24	22	2.73	1.50	0.55	572	2.55	1.40	0.55	605	2.38	1.31	0.55	626
24	24	2.88	1.24	0.43	594	2.70	1.16	0.43	621	2.55	1.10	0.43	648
25	18	2.45	2.03	0.83	529	2.25	1.87	0.83	562	2.08	1.72	0.83	583
25	20	2.58	1.83	0.71	551	2.40	1.70	0.71	578	2.23	1.58	0.71	610
25	22	2.73	1.61	0.59	572	2.55	1.50	0.59	605	2.38	1.40	0.59	626
25	24	2.88	1.35	0.47	594	2.70	1.27	0.47	621	2.55	1.20	0.47	648
26	18	2.45	2.13	0.87	529	2.25	1.96	0.87	562	2.08	1.81	0.87	583
26	20	2.58	1.93	0.75	551	2.40	1.80	0.75	578	2.23	1.67	0.75	610
26	22	2.73	1.72	0.63	572	2.55	1.61	0.63	605	2.38	1.50	0.63	626
26	24	2.88	1.47	0.51	594	2.70	1.38	0.51	621	2.55	1.30	0.51	648
26	26	3.03	1.18	0.39	616	2.85	1.11	0.39	643	2.68	1.04	0.39	670
27	18	2.45	2.23	0.91	529	2.25	2.05	0.91	562	2.08	1.89	0.91	583
27	20	2.58	2.03	0.79	551	2.40	1.90	0.79	578	2.23	1.76	0.79	610
27	22	2.73	1.83	0.67	572	2.55	1.71	0.67	605	2.38	1.59	0.67	626
27	24	2.88	1.58	0.55	594	2.70	1.49	0.55	621	2.55	1.40	0.55	648
27	26	3.03	1.30	0.43	616	2.85	1.23	0.43	643	2.68	1.15	0.43	670
28	18	2.45	2.33	0.95	529	2.25	2.14	0.95	562	2.08	1.97	0.95	583
28	20	2.58	2.14	0.83	551	2.40	1.99	0.83	578	2.23	1.85	0.83	610
28	22	2.73	1.93	0.71	572	2.55	1.81	0.71	605	2.38	1.69	0.71	626
28	24	2.88	1.70	0.59	594	2.70	1.59	0.59	621	2.55	1.50	0.59	648
28	26	3.03	1.42	0.47	616	2.85	1.34	0.47	643	2.68	1.26	0.47	670
29	18	2.45	2.43	0.99	529	2.25	2.23	0.99	562	2.08	2.05	0.99	583
29	20	2.58	2.24	0.87	551	2.40	2.09	0.87	578	2.23	1.94	0.87	610
29	22	2.73	2.04	0.75	572	2.55	1.91	0.75	605	2.38	1.78	0.75	626
29	24	2.88	1.81	0.63	594	2.70	1.70	0.63	621	2.55	1.61	0.63	648
29	26	3.03	1.54	0.51	616	2.85	1.45	0.51	643	2.68	1.36	0.51	670
30	18	2.45	2.45	1.00	529	2.25	2.25	1.00	562	2.08	2.08	1.00	583
30	20	2.58	2.34	0.91	551	2.40	2.18	0.91	578	2.23	2.02	0.91	610
30	22	2.73	2.15	0.79	572	2.55	2.01	0.79	605	2.38	1.88	0.79	626
30	24	2.88	1.93	0.67	594	2.70	1.81	0.67	621	2.55	1.71	0.67	648
30	26	3.03	1.66	0.55	616	2.85	1.57	0.55	643	2.68	1.47	0.55	670
31	18	2.45	2.45	1.00	529	2.25	2.25	1.00	562	2.08	2.08	1.00	583
31	20	2.58	2.45	0.95	551	2.40	2.28	0.95	578	2.23	2.11	0.95	610
31	22	2.73	2.26	0.83	572	2.55	2.12	0.83	605	2.38	1.97	0.83	626
31	24	2.88	2.04	0.71	594	2.70	1.92	0.71	621	2.55	1.81	0.71	648
31	26	3.03	1.78	0.59	616	2.85	1.68	0.59	643	2.68	1.58	0.59	670
32	18	2.45	2.45	1.00	529	2.25	2.25	1.00	562	2.08	2.08	1.00	583
32	20	2.58	2.55	0.99	551	2.40	2.38	0.99	578	2.23	2.20	0.99	610
32	22	2.73	2.37	0.87	572	2.55	2.22	0.87	605	2.38	2.07	0.87	626
32	24	2.88	2.16	0.75	594	2.70	2.03	0.75	621	2.55	1.91	0.75	648
32	26	3.03	1.91	0.63	616	2.85	1.80	0.63	643	2.68	1.69	0.63	670

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MFZ-KJ35VE2: MUFZ-KJ35VE MUFZ-KJ35VEHZ

CAPACITY: 3.5 kW SHF: 0.73 INPUT: 940 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.11	2.26	0.55	752	3.94	2.17	0.55	790	3.78	2.08	0.55	827	3.64	2.00	0.55	865
21	20	4.29	1.84	0.43	790	4.11	1.77	0.43	837	3.99	1.72	0.43	855	3.85	1.66	0.43	893
22	18	4.11	2.43	0.59	752	3.94	2.32	0.59	790	3.78	2.23	0.59	827	3.64	2.15	0.59	865
22	20	4.29	2.02	0.47	790	4.11	1.93	0.47	837	3.99	1.88	0.47	855	3.85	1.81	0.47	893
22	22	4.46	1.56	0.35	818	4.31	1.51	0.35	870	4.20	1.47	0.35	893	4.03	1.41	0.35	931
23	18	4.11	2.59	0.63	752	3.94	2.48	0.63	790	3.78	2.38	0.63	827	3.64	2.29	0.63	865
23	20	4.29	2.19	0.51	790	4.11	2.10	0.51	837	3.99	2.03	0.51	855	3.85	1.96	0.51	893
23	22	4.46	1.74	0.39	818	4.31	1.68	0.39	870	4.20	1.64	0.39	893	4.03	1.57	0.39	931
24	18	4.11	2.76	0.67	752	3.94	2.64	0.67	790	3.78	2.53	0.67	827	3.64	2.44	0.67	865
24	20	4.29	2.36	0.55	790	4.11	2.26	0.55	837	3.99	2.19	0.55	855	3.85	2.12	0.55	893
24	22	4.46	1.92	0.43	818	4.31	1.85	0.43	870	4.20	1.81	0.43	893	4.03	1.73	0.43	931
24	24	4.69	1.45	0.31	855	4.52	1.40	0.31	902	4.41	1.37	0.31	931	4.27	1.32	0.31	978
25	18	4.11	2.92	0.71	752	3.94	2.80	0.71	790	3.78	2.68	0.71	827	3.64	2.58	0.71	865
25	20	4.29	2.53	0.59	790	4.11	2.43	0.59	837	3.99	2.35	0.59	855	3.85	2.27	0.59	893
25	22	4.46	2.10	0.47	818	4.31	2.02	0.47	870	4.20	1.97	0.47	893	4.03	1.89	0.47	931
25	24	4.69	1.64	0.35	855	4.52	1.58	0.35	902	4.41	1.54	0.35	931	4.27	1.49	0.35	978
26	18	4.11	3.08	0.75	752	3.94	2.95	0.75	790	3.78	2.84	0.75	827	3.64	2.73	0.75	865
26	20	4.29	2.70	0.63	790	4.11	2.59	0.63	837	3.99	2.51	0.63	855	3.85	2.43	0.63	893
26	22	4.46	2.28	0.51	818	4.31	2.20	0.51	870	4.20	2.14	0.51	893	4.03	2.05	0.51	931
26	24	4.69	1.83	0.39	855	4.52	1.76	0.39	902	4.41	1.72	0.39	931	4.27	1.67	0.39	978
26	26	4.83	1.30	0.27	902	4.69	1.27	0.27	949	4.62	1.25	0.27	978	4.48	1.21	0.27	1006
27	18	4.11	3.25	0.79	752	3.94	3.11	0.79	790	3.78	2.99	0.79	827	3.64	2.88	0.79	865
27	20	4.29	2.87	0.67	790	4.11	2.76	0.67	837	3.99	2.67	0.67	855	3.85	2.58	0.67	893
27	22	4.46	2.45	0.55	818	4.31	2.37	0.55	870	4.20	2.31	0.55	893	4.03	2.21	0.55	931
27	24	4.69	2.02	0.43	855	4.52	1.94	0.43	902	4.41	1.90	0.43	931	4.27	1.84	0.43	978
27	26	4.83	1.50	0.31	902	4.69	1.45	0.31	949	4.62	1.43	0.31	978	4.48	1.39	0.31	1006
28	18	4.11	3.41	0.83	752	3.94	3.27	0.83	790	3.78	3.14	0.83	827	3.64	3.02	0.83	865
28	20	4.29	3.04	0.71	790	4.11	2.92	0.71	837	3.99	2.83	0.71	855	3.85	2.73	0.71	893
28	22	4.46	2.63	0.59	818	4.31	2.54	0.59	870	4.20	2.48	0.59	893	4.03	2.37	0.59	931
28	24	4.69	2.20	0.47	855	4.52	2.12	0.47	902	4.41	2.07	0.47	931	4.27	2.01	0.47	978
28	26	4.83	1.69	0.35	902	4.69	1.64	0.35	949	4.62	1.62	0.35	978	4.48	1.57	0.35	1006
29	18	4.11	3.58	0.87	752	3.94	3.43	0.87	790	3.78	3.29	0.87	827	3.64	3.17	0.87	865
29	20	4.29	3.22	0.75	790	4.11	3.08	0.75	837	3.99	2.99	0.75	855	3.85	2.89	0.75	893
29	22	4.46	2.81	0.63	818	4.31	2.71	0.63	870	4.20	2.65	0.63	893	4.03	2.54	0.63	931
29	24	4.69	2.39	0.51	855	4.52	2.30	0.51	902	4.41	2.25	0.51	931	4.27	2.18	0.51	978
29	26	4.83	1.88	0.39	902	4.69	1.83	0.39	949	4.62	1.80	0.39	978	4.48	1.75	0.39	1006
30	18	4.11	3.74	0.91	752	3.94	3.58	0.91	790	3.78	3.44	0.91	827	3.64	3.31	0.91	865
30	20	4.29	3.39	0.79	790	4.11	3.25	0.79	837	3.99	3.15	0.79	855	3.85	3.04	0.79	893
30	22	4.46	2.99	0.67	818	4.31	2.88	0.67	870	4.20	2.81	0.67	893	4.03	2.70	0.67	931
30	24	4.69	2.58	0.55	855	4.52	2.48	0.55	902	4.41	2.43	0.55	931	4.27	2.35	0.55	978
30	26	4.83	2.08	0.43	902	4.69	2.02	0.43	949	4.62	1.99	0.43	978	4.48	1.93	0.43	1006
31	18	4.11	3.91	0.95	752	3.94	3.74	0.95	790	3.78	3.59	0.95	827	3.64	3.46	0.95	865
31	20	4.29	3.56	0.83	790	4.11	3.41	0.83	837	3.99	3.31	0.83	855	3.85	3.20	0.83	893
31	22	4.46	3.17	0.71	818	4.31	3.06	0.71	870	4.20	2.98	0.71	893	4.03	2.86	0.71	931
31	24	4.69	2.77	0.59	855	4.52	2.66	0.59	902	4.41	2.60	0.59	931	4.27	2.52	0.59	978
31	26	4.83	2.27	0.47	902	4.69	2.20	0.47	949	4.62	2.17	0.47	978	4.48	2.11	0.47	1006
32	18	4.11	4.07	0.99	752	3.94	3.90	0.99	790	3.78	3.74	0.99	827	3.64	3.60	0.99	865
32	20	4.29	3.73	0.87	790	4.11	3.58	0.87	837	3.99	3.47	0.87	855	3.85	3.35	0.87	893
32	22	4.46	3.35	0.75	818	4.31	3.23	0.75	870	4.20	3.15	0.75	893	4.03	3.02	0.75	931
32	24	4.69	2.95	0.63	855	4.52	2.84	0.63	902	4.41	2.78	0.63	931	4.27	2.69	0.63	978
32	26	4.83	2.46	0.51	902	4.69	2.39	0.51	949	4.62	2.36	0.51	978	4.48	2.28	0.51	1006

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MFZ-KJ35VE2: MUFZ-KJ35VE MUFZ-KJ35VEHZ

CAPACITY: 3.5 kW SHF: 0.73 INPUT: 940 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.43	1.89	0.55	921	3.15	1.73	0.55	978	2.91	1.60	0.55	1015
21	20	3.61	1.55	0.43	959	3.36	1.44	0.43	1006	3.12	1.34	0.43	1062
22	18	3.43	2.02	0.59	921	3.15	1.86	0.59	978	2.91	1.71	0.59	1015
22	20	3.61	1.69	0.47	959	3.36	1.58	0.47	1006	3.12	1.46	0.47	1062
22	22	3.82	1.34	0.35	996	3.57	1.25	0.35	1053	3.33	1.16	0.35	1090
23	18	3.43	2.16	0.63	921	3.15	1.98	0.63	978	2.91	1.83	0.63	1015
23	20	3.61	1.84	0.51	959	3.36	1.71	0.51	1006	3.12	1.59	0.51	1062
23	22	3.82	1.49	0.39	996	3.57	1.39	0.39	1053	3.33	1.30	0.39	1090
24	18	3.43	2.30	0.67	921	3.15	2.11	0.67	978	2.91	1.95	0.67	1015
24	20	3.61	1.98	0.55	959	3.36	1.85	0.55	1006	3.12	1.71	0.55	1062
24	22	3.82	1.64	0.43	996	3.57	1.54	0.43	1053	3.33	1.43	0.43	1090
24	24	4.03	1.25	0.31	1034	3.78	1.17	0.31	1081	3.57	1.11	0.31	1128
25	18	3.43	2.44	0.71	921	3.15	2.24	0.71	978	2.91	2.06	0.71	1015
25	20	3.61	2.13	0.59	959	3.36	1.98	0.59	1006	3.12	1.84	0.59	1062
25	22	3.82	1.79	0.47	996	3.57	1.68	0.47	1053	3.33	1.56	0.47	1090
25	24	4.03	1.41	0.35	1034	3.78	1.32	0.35	1081	3.57	1.25	0.35	1128
26	18	3.43	2.57	0.75	921	3.15	2.36	0.75	978	2.91	2.18	0.75	1015
26	20	3.61	2.27	0.63	959	3.36	2.12	0.63	1006	3.12	1.96	0.63	1062
26	22	3.82	1.95	0.51	996	3.57	1.82	0.51	1053	3.33	1.70	0.51	1090
26	24	4.03	1.57	0.39	1034	3.78	1.47	0.39	1081	3.57	1.39	0.39	1128
26	26	4.24	1.14	0.27	1072	3.99	1.08	0.27	1119	3.75	1.01	0.27	1166
27	18	3.43	2.71	0.79	921	3.15	2.49	0.79	978	2.91	2.29	0.79	1015
27	20	3.61	2.42	0.67	959	3.36	2.25	0.67	1006	3.12	2.09	0.67	1062
27	22	3.82	2.10	0.55	996	3.57	1.96	0.55	1053	3.33	1.83	0.55	1090
27	24	4.03	1.73	0.43	1034	3.78	1.63	0.43	1081	3.57	1.54	0.43	1128
27	26	4.24	1.31	0.31	1072	3.99	1.24	0.31	1119	3.75	1.16	0.31	1166
28	18	3.43	2.85	0.83	921	3.15	2.61	0.83	978	2.91	2.41	0.83	1015
28	20	3.61	2.56	0.71	959	3.36	2.39	0.71	1006	3.12	2.21	0.71	1062
28	22	3.82	2.25	0.59	996	3.57	2.11	0.59	1053	3.33	1.96	0.59	1090
28	24	4.03	1.89	0.47	1034	3.78	1.78	0.47	1081	3.57	1.68	0.47	1128
28	26	4.24	1.48	0.35	1072	3.99	1.40	0.35	1119	3.75	1.31	0.35	1166
29	18	3.43	2.98	0.87	921	3.15	2.74	0.87	978	2.91	2.53	0.87	1015
29	20	3.61	2.70	0.75	959	3.36	2.52	0.75	1006	3.12	2.34	0.75	1062
29	22	3.82	2.40	0.63	996	3.57	2.25	0.63	1053	3.33	2.09	0.63	1090
29	24	4.03	2.05	0.51	1034	3.78	1.93	0.51	1081	3.57	1.82	0.51	1128
29	26	4.24	1.65	0.39	1072	3.99	1.56	0.39	1119	3.75	1.46	0.39	1166
30	18	3.43	3.12	0.91	921	3.15	2.87	0.91	978	2.91	2.64	0.91	1015
30	20	3.61	2.85	0.79	959	3.36	2.65	0.79	1006	3.12	2.46	0.79	1062
30	22	3.82	2.56	0.67	996	3.57	2.39	0.67	1053	3.33	2.23	0.67	1090
30	24	4.03	2.21	0.55	1034	3.78	2.08	0.55	1081	3.57	1.96	0.55	1128
30	26	4.24	1.82	0.43	1072	3.99	1.72	0.43	1119	3.75	1.61	0.43	1166
31	18	3.43	3.26	0.95	921	3.15	2.99	0.95	978	2.91	2.76	0.95	1015
31	20	3.61	2.99	0.83	959	3.36	2.79	0.83	1006	3.12	2.59	0.83	1062
31	22	3.82	2.71	0.71	996	3.57	2.53	0.71	1053	3.33	2.36	0.71	1090
31	24	4.03	2.37	0.59	1034	3.78	2.23	0.59	1081	3.57	2.11	0.59	1128
31	26	4.24	1.99	0.47	1072	3.99	1.88	0.47	1119	3.75	1.76	0.47	1166
32	18	3.43	3.40	0.99	921	3.15	3.12	0.99	978	2.91	2.88	0.99	1015
32	20	3.61	3.14	0.87	959	3.36	2.92	0.87	1006	3.12	2.71	0.87	1062
32	22	3.82	2.86	0.75	996	3.57	2.68	0.75	1053	3.33	2.49	0.75	1090
32	24	4.03	2.54	0.63	1034	3.78	2.38	0.63	1081	3.57	2.25	0.63	1128
32	26	4.24	2.16	0.51	1072	3.99	2.03	0.51	1119	3.75	1.91	0.51	1166

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MFZ-KJ50VE2: MUFZ-KJ50VE MUFZ-KJ50VEHZ

CAPACITY: 5.0 kW SHF: 0.71 INPUT: 1410 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.88	3.11	0.53	1128	5.63	2.98	0.53	1184	5.40	2.86	0.53	1241	5.20	2.76	0.53	1297
21	20	6.13	2.51	0.41	1184	5.88	2.41	0.41	1255	5.70	2.34	0.41	1283	5.50	2.26	0.41	1340
22	18	5.88	3.35	0.57	1128	5.63	3.21	0.57	1184	5.40	3.08	0.57	1241	5.20	2.96	0.57	1297
22	20	6.13	2.76	0.45	1184	5.88	2.64	0.45	1255	5.70	2.57	0.45	1283	5.50	2.48	0.45	1340
22	22	6.38	2.10	0.33	1227	6.15	2.03	0.33	1304	6.00	1.98	0.33	1340	5.75	1.90	0.33	1396
23	18	5.88	3.58	0.61	1128	5.63	3.43	0.61	1184	5.40	3.29	0.61	1241	5.20	3.17	0.61	1297
23	20	6.13	3.00	0.49	1184	5.88	2.88	0.49	1255	5.70	2.79	0.49	1283	5.50	2.70	0.49	1340
23	22	6.38	2.36	0.37	1227	6.15	2.28	0.37	1304	6.00	2.22	0.37	1340	5.75	2.13	0.37	1396
24	18	5.88	3.82	0.65	1128	5.63	3.66	0.65	1184	5.40	3.51	0.65	1241	5.20	3.38	0.65	1297
24	20	6.13	3.25	0.53	1184	5.88	3.11	0.53	1255	5.70	3.02	0.53	1283	5.50	2.92	0.53	1340
24	22	6.38	2.61	0.41	1227	6.15	2.52	0.41	1304	6.00	2.46	0.41	1340	5.75	2.36	0.41	1396
24	24	6.70	1.94	0.29	1283	6.45	1.87	0.29	1354	6.30	1.83	0.29	1396	6.10	1.77	0.29	1466
25	18	5.88	4.05	0.69	1128	5.63	3.88	0.69	1184	5.40	3.73	0.69	1241	5.20	3.59	0.69	1297
25	20	6.13	3.49	0.57	1184	5.88	3.35	0.57	1255	5.70	3.25	0.57	1283	5.50	3.14	0.57	1340
25	22	6.38	2.87	0.45	1227	6.15	2.77	0.45	1304	6.00	2.70	0.45	1340	5.75	2.59	0.45	1396
25	24	6.70	2.21	0.33	1283	6.45	2.13	0.33	1354	6.30	2.08	0.33	1396	6.10	2.01	0.33	1466
26	18	5.88	4.29	0.73	1128	5.63	4.11	0.73	1184	5.40	3.94	0.73	1241	5.20	3.80	0.73	1297
26	20	6.13	3.74	0.61	1184	5.88	3.58	0.61	1255	5.70	3.48	0.61	1283	5.50	3.36	0.61	1340
26	22	6.38	3.12	0.49	1227	6.15	3.01	0.49	1304	6.00	2.94	0.49	1340	5.75	2.82	0.49	1396
26	24	6.70	2.48	0.37	1283	6.45	2.39	0.37	1354	6.30	2.33	0.37	1396	6.10	2.26	0.37	1466
26	26	6.90	1.73	0.25	1354	6.70	1.68	0.25	1424	6.60	1.65	0.25	1466	6.40	1.60	0.25	1509
27	18	5.88	4.52	0.77	1128	5.63	4.33	0.77	1184	5.40	4.16	0.77	1241	5.20	4.00	0.77	1297
27	20	6.13	3.98	0.65	1184	5.88	3.82	0.65	1255	5.70	3.71	0.65	1283	5.50	3.58	0.65	1340
27	22	6.38	3.38	0.53	1227	6.15	3.26	0.53	1304	6.00	3.18	0.53	1340	5.75	3.05	0.53	1396
27	24	6.70	2.75	0.41	1283	6.45	2.64	0.41	1354	6.30	2.58	0.41	1396	6.10	2.50	0.41	1466
27	26	6.90	2.00	0.29	1354	6.70	1.94	0.29	1424	6.60	1.91	0.29	1466	6.40	1.86	0.29	1509
28	18	5.88	4.76	0.81	1128	5.63	4.56	0.81	1184	5.40	4.37	0.81	1241	5.20	4.21	0.81	1297
28	20	6.13	4.23	0.69	1184	5.88	4.05	0.69	1255	5.70	3.93	0.69	1283	5.50	3.80	0.69	1340
28	22	6.38	3.63	0.57	1227	6.15	3.51	0.57	1304	6.00	3.42	0.57	1340	5.75	3.28	0.57	1396
28	24	6.70	3.02	0.45	1283	6.45	2.90	0.45	1354	6.30	2.84	0.45	1396	6.10	2.75	0.45	1466
28	26	6.90	2.28	0.33	1354	6.70	2.21	0.33	1424	6.60	2.18	0.33	1466	6.40	2.11	0.33	1509
29	18	5.88	4.99	0.85	1128	5.63	4.78	0.85	1184	5.40	4.59	0.85	1241	5.20	4.42	0.85	1297
29	20	6.13	4.47	0.73	1184	5.88	4.29	0.73	1255	5.70	4.16	0.73	1283	5.50	4.02	0.73	1340
29	22	6.38	3.89	0.61	1227	6.15	3.75	0.61	1304	6.00	3.66	0.61	1340	5.75	3.51	0.61	1396
29	24	6.70	3.28	0.49	1283	6.45	3.16	0.49	1354	6.30	3.09	0.49	1396	6.10	2.99	0.49	1466
29	26	6.90	2.55	0.37	1354	6.70	2.48	0.37	1424	6.60	2.44	0.37	1466	6.40	2.37	0.37	1509
30	18	5.88	5.23	0.89	1128	5.63	5.01	0.89	1184	5.40	4.81	0.89	1241	5.20	4.63	0.89	1297
30	20	6.13	4.72	0.77	1184	5.88	4.52	0.77	1255	5.70	4.39	0.77	1283	5.50	4.24	0.77	1340
30	22	6.38	4.14	0.65	1227	6.15	4.00	0.65	1304	6.00	3.90	0.65	1340	5.75	3.74	0.65	1396
30	24	6.70	3.55	0.53	1283	6.45	3.42	0.53	1354	6.30	3.34	0.53	1396	6.10	3.23	0.53	1466
30	26	6.90	2.83	0.41	1354	6.70	2.75	0.41	1424	6.60	2.71	0.41	1466	6.40	2.62	0.41	1509
31	18	5.88	5.46	0.93	1128	5.63	5.23	0.93	1184	5.40	5.02	0.93	1241	5.20	4.84	0.93	1297
31	20	6.13	4.96	0.81	1184	5.88	4.76	0.81	1255	5.70	4.62	0.81	1283	5.50	4.46	0.81	1340
31	22	6.38	4.40	0.69	1227	6.15	4.24	0.69	1304	6.00	4.14	0.69	1340	5.75	3.97	0.69	1396
31	24	6.70	3.82	0.57	1283	6.45	3.68	0.57	1354	6.30	3.59	0.57	1396	6.10	3.48	0.57	1466
31	26	6.90	3.11	0.45	1354	6.70	3.02	0.45	1424	6.60	2.97	0.45	1466	6.40	2.88	0.45	1509
32	18	5.88	5.70	0.97	1128	5.63	5.46	0.97	1184	5.40	5.24	0.97	1241	5.20	5.04	0.97	1297
32	20	6.13	5.21	0.85	1184	5.88	4.99	0.85	1255	5.70	4.84	0.85	1283	5.50	4.68	0.85	1340
32	22	6.38	4.65	0.73	1227	6.15	4.49	0.73	1304	6.00	4.38	0.73	1340	5.75	4.20	0.73	1396
32	24	6.70	4.09	0.61	1283	6.45	3.93	0.61	1354	6.30	3.84	0.61	1396	6.10	3.72	0.61	1466
32	26	6.90	3.38	0.49	1354	6.70	3.28	0.49	1424	6.60	3.23	0.49	1466	6.40	3.14	0.49	1509

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MFZ-KJ50VE2: MUFZ-KJ50VE MUFZ-KJ50VEHZ

CAPACITY: 5.0 kW SHF: 0.71 INPUT: 1410 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.90	2.60	0.53	1382	4.50	2.39	0.53	1466	4.15	2.20	0.53	1523
21	20	5.15	2.11	0.41	1438	4.80	1.97	0.41	1509	4.45	1.82	0.41	1593
22	18	4.90	2.79	0.57	1382	4.50	2.57	0.57	1466	4.15	2.37	0.57	1523
22	20	5.15	2.32	0.45	1438	4.80	2.16	0.45	1509	4.45	2.00	0.45	1593
22	22	5.45	1.80	0.33	1495	5.10	1.68	0.33	1579	4.75	1.57	0.33	1636
23	18	4.90	2.99	0.61	1382	4.50	2.75	0.61	1466	4.15	2.53	0.61	1523
23	20	5.15	2.52	0.49	1438	4.80	2.35	0.49	1509	4.45	2.18	0.49	1593
23	22	5.45	2.02	0.37	1495	5.10	1.89	0.37	1579	4.75	1.76	0.37	1636
24	18	4.90	3.19	0.65	1382	4.50	2.93	0.65	1466	4.15	2.70	0.65	1523
24	20	5.15	2.73	0.53	1438	4.80	2.54	0.53	1509	4.45	2.36	0.53	1593
24	22	5.45	2.23	0.41	1495	5.10	2.09	0.41	1579	4.75	1.95	0.41	1636
24	24	5.75	1.67	0.29	1551	5.40	1.57	0.29	1621	5.10	1.48	0.29	1692
25	18	4.90	3.38	0.69	1382	4.50	3.11	0.69	1466	4.15	2.86	0.69	1523
25	20	5.15	2.94	0.57	1438	4.80	2.74	0.57	1509	4.45	2.54	0.57	1593
25	22	5.45	2.45	0.45	1495	5.10	2.30	0.45	1579	4.75	2.14	0.45	1636
25	24	5.75	1.90	0.33	1551	5.40	1.78	0.33	1621	5.10	1.68	0.33	1692
26	18	4.90	3.58	0.73	1382	4.50	3.29	0.73	1466	4.15	3.03	0.73	1523
26	20	5.15	3.14	0.61	1438	4.80	2.93	0.61	1509	4.45	2.71	0.61	1593
26	22	5.45	2.67	0.49	1495	5.10	2.50	0.49	1579	4.75	2.33	0.49	1636
26	24	5.75	2.13	0.37	1551	5.40	2.00	0.37	1621	5.10	1.89	0.37	1692
26	26	6.05	1.51	0.25	1607	5.70	1.43	0.25	1678	5.35	1.34	0.25	1748
27	18	4.90	3.77	0.77	1382	4.50	3.47	0.77	1466	4.15	3.20	0.77	1523
27	20	5.15	3.35	0.65	1438	4.80	3.12	0.65	1509	4.45	2.89	0.65	1593
27	22	5.45	2.89	0.53	1495	5.10	2.70	0.53	1579	4.75	2.52	0.53	1636
27	24	5.75	2.36	0.41	1551	5.40	2.21	0.41	1621	5.10	2.09	0.41	1692
27	26	6.05	1.75	0.29	1607	5.70	1.65	0.29	1678	5.35	1.55	0.29	1748
28	18	4.90	3.97	0.81	1382	4.50	3.65	0.81	1466	4.15	3.36	0.81	1523
28	20	5.15	3.55	0.69	1438	4.80	3.31	0.69	1509	4.45	3.07	0.69	1593
28	22	5.45	3.11	0.57	1495	5.10	2.91	0.57	1579	4.75	2.71	0.57	1636
28	24	5.75	2.59	0.45	1551	5.40	2.43	0.45	1621	5.10	2.30	0.45	1692
28	26	6.05	2.00	0.33	1607	5.70	1.88	0.33	1678	5.35	1.77	0.33	1748
29	18	4.90	4.17	0.85	1382	4.50	3.83	0.85	1466	4.15	3.53	0.85	1523
29	20	5.15	3.76	0.73	1438	4.80	3.50	0.73	1509	4.45	3.25	0.73	1593
29	22	5.45	3.32	0.61	1495	5.10	3.11	0.61	1579	4.75	2.90	0.61	1636
29	24	5.75	2.82	0.49	1551	5.40	2.65	0.49	1621	5.10	2.50	0.49	1692
29	26	6.05	2.24	0.37	1607	5.70	2.11	0.37	1678	5.35	1.98	0.37	1748
30	18	4.90	4.36	0.89	1382	4.50	4.01	0.89	1466	4.15	3.69	0.89	1523
30	20	5.15	3.97	0.77	1438	4.80	3.70	0.77	1509	4.45	3.43	0.77	1593
30	22	5.45	3.54	0.65	1495	5.10	3.32	0.65	1579	4.75	3.09	0.65	1636
30	24	5.75	3.05	0.53	1551	5.40	2.86	0.53	1621	5.10	2.70	0.53	1692
30	26	6.05	2.48	0.41	1607	5.70	2.34	0.41	1678	5.35	2.19	0.41	1748
31	18	4.90	4.56	0.93	1382	4.50	4.19	0.93	1466	4.15	3.86	0.93	1523
31	20	5.15	4.17	0.81	1438	4.80	3.89	0.81	1509	4.45	3.60	0.81	1593
31	22	5.45	3.76	0.69	1495	5.10	3.52	0.69	1579	4.75	3.28	0.69	1636
31	24	5.75	3.28	0.57	1551	5.40	3.08	0.57	1621	5.10	2.91	0.57	1692
31	26	6.05	2.72	0.45	1607	5.70	2.57	0.45	1678	5.35	2.41	0.45	1748
32	18	4.90	4.75	0.97	1382	4.50	4.37	0.97	1466	4.15	4.03	0.97	1523
32	20	5.15	4.38	0.85	1438	4.80	4.08	0.85	1509	4.45	3.78	0.85	1593
32	22	5.45	3.98	0.73	1495	5.10	3.72	0.73	1579	4.75	3.47	0.73	1636
32	24	5.75	3.51	0.61	1551	5.40	3.29	0.61	1621	5.10	3.11	0.61	1692
32	26	6.05	2.96	0.49	1607	5.70	2.79	0.49	1678	5.35	2.62	0.49	1748

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MFZ-KT25VG: SUZ-M25VA

CAPACITY: 2.5 kW SHF: 0.79 INPUT: 620 W

Indoor intake air DB (°C)	Indoor intake air WB (°C)	Outdoor intake air DB (°C)															
		21				25				27				30			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
21	18	2938	1792	0.61	0.50	2813	1716	0.61	0.52	2700	1647	0.61	0.55	2600	1586	0.61	0.57
21	20	3063	1501	0.49	0.52	2938	1439	0.49	0.55	2850	1397	0.49	0.56	2750	1348	0.49	0.59
22	18	2938	1909	0.65	0.50	2813	1828	0.65	0.52	2700	1755	0.65	0.55	2600	1690	0.65	0.57
22	20	3063	1623	0.53	0.52	2938	1557	0.53	0.55	2850	1511	0.53	0.56	2750	1458	0.53	0.59
22	22	3188	1307	0.41	0.54	3075	1261	0.41	0.57	3000	1230	0.41	0.59	2875	1179	0.41	0.61
23	18	2938	2027	0.69	0.50	2813	1941	0.69	0.52	2700	1863	0.69	0.55	2600	1794	0.69	0.57
23	20	3063	1746	0.57	0.52	2938	1674	0.57	0.55	2850	1625	0.57	0.56	2750	1568	0.57	0.59
23	22	3188	1434	0.45	0.54	3075	1384	0.45	0.57	3000	1350	0.45	0.59	2875	1294	0.45	0.61
24	18	2938	2144	0.73	0.50	2813	2053	0.73	0.52	2700	1971	0.73	0.55	2600	1898	0.73	0.57
24	20	3063	1868	0.61	0.52	2938	1792	0.61	0.55	2850	1739	0.61	0.56	2750	1678	0.61	0.59
24	22	3188	1562	0.49	0.54	3075	1507	0.49	0.57	3000	1470	0.49	0.59	2875	1409	0.49	0.61
24	24	3350	1240	0.37	0.56	3225	1193	0.37	0.60	3150	1166	0.37	0.61	3050	1129	0.37	0.64
25	20	3063	1991	0.65	0.52	2938	1909	0.65	0.55	2850	1853	0.65	0.56	2750	1788	0.65	0.59
25	22	3188	1689	0.53	0.54	3075	1630	0.53	0.57	3000	1590	0.53	0.59	2875	1524	0.53	0.61
25	24	3350	1374	0.41	0.56	3225	1322	0.41	0.60	3150	1292	0.41	0.61	3050	1251	0.41	0.64
26	18	2938	2379	0.81	0.50	2813	2278	0.81	0.52	2700	2187	0.81	0.55	2600	2106	0.81	0.57
26	20	3063	2113	0.69	0.52	2938	2027	0.69	0.55	2850	1967	0.69	0.56	2750	1898	0.69	0.59
26	22	3188	1817	0.57	0.54	3075	1753	0.57	0.57	3000	1710	0.57	0.59	2875	1639	0.57	0.61
26	24	3350	1508	0.45	0.56	3225	1451	0.45	0.60	3150	1418	0.45	0.61	3050	1373	0.45	0.64
26	26	3450	1139	0.33	0.60	3350	1106	0.33	0.63	3300	1089	0.33	0.64	3200	1056	0.33	0.66
27	18	2938	2497	0.85	0.50	2813	2391	0.85	0.52	2700	2295	0.85	0.55	2600	2210	0.85	0.57
27	20	3063	2236	0.73	0.52	2938	2144	0.73	0.55	2850	2081	0.73	0.56	2750	2008	0.73	0.59
27	22	3188	1944	0.61	0.54	3075	1876	0.61	0.57	3000	1830	0.61	0.59	2875	1754	0.61	0.61
27	24	3350	1642	0.49	0.56	3225	1580	0.49	0.60	3150	1544	0.49	0.61	3050	1495	0.49	0.64
27	26	3450	1277	0.37	0.60	3350	1240	0.37	0.63	3300	1221	0.37	0.64	3200	1184	0.37	0.66
28	18	2938	2614	0.89	0.50	2813	2503	0.89	0.52	2700	2403	0.89	0.55	2600	2314	0.89	0.57
28	20	3063	2358	0.77	0.52	2938	2262	0.77	0.55	2850	2195	0.77	0.56	2750	2118	0.77	0.59
28	22	3188	2072	0.65	0.54	3075	1999	0.65	0.57	3000	1950	0.65	0.59	2875	1869	0.65	0.61
28	24	3350	1776	0.53	0.56	3225	1709	0.53	0.60	3150	1670	0.53	0.61	3050	1617	0.53	0.64
28	26	3450	1415	0.41	0.60	3350	1374	0.41	0.63	3300	1353	0.41	0.64	3200	1312	0.41	0.66
29	18	2938	2732	0.93	0.50	2813	2616	0.93	0.52	2700	2511	0.93	0.55	2600	2418	0.93	0.57
29	20	3063	2481	0.81	0.52	2938	2379	0.81	0.55	2850	2309	0.81	0.56	2750	2228	0.81	0.59
29	22	3188	2199	0.69	0.54	3075	2122	0.69	0.57	3000	2070	0.69	0.59	2875	1984	0.69	0.61
29	24	3350	1910	0.57	0.56	3225	1838	0.57	0.60	3150	1796	0.57	0.61	3050	1739	0.57	0.64
29	26	3450	1553	0.45	0.60	3350	1508	0.45	0.63	3300	1485	0.45	0.64	3200	1440	0.45	0.66
30	18	2938	2849	0.97	0.50	2813	2728	0.97	0.52	2700	2619	0.97	0.55	2600	2522	0.97	0.57
30	20	3063	2603	0.85	0.52	2938	2497	0.85	0.55	2850	2423	0.85	0.56	2750	2338	0.85	0.59
30	22	3188	2327	0.73	0.54	3075	2245	0.73	0.57	3000	2190	0.73	0.59	2875	2099	0.73	0.61
30	24	3350	2044	0.61	0.56	3225	1967	0.61	0.60	3150	1922	0.61	0.61	3050	1861	0.61	0.64
30	26	3450	1691	0.49	0.60	3350	1642	0.49	0.63	3300	1617	0.49	0.64	3200	1568	0.49	0.66
31	18	2938	2938	1.00	0.50	2813	2813	1.00	0.52	2700	2700	1.00	0.55	2600	2600	1.00	0.57
31	20	3063	2726	0.89	0.52	2938	2614	0.89	0.55	2850	2537	0.89	0.56	2750	2448	0.89	0.59
31	22	3188	2454	0.77	0.54	3075	2368	0.77	0.57	3000	2310	0.77	0.59	2875	2214	0.77	0.61
31	24	3350	2178	0.65	0.56	3225	2096	0.65	0.60	3150	2048	0.65	0.61	3050	1983	0.65	0.64
31	26	3450	1829	0.53	0.60	3350	1776	0.53	0.63	3300	1749	0.53	0.64	3200	1696	0.53	0.66
32	18	2938	2938	1.00	0.50	2813	2813	1.00	0.52	2700	2700	1.00	0.55	2600	2600	1.00	0.57
32	20	3063	2848	0.93	0.52	2938	2732	0.93	0.55	2850	2651	0.93	0.56	2750	2558	0.93	0.59
32	22	3188	2582	0.81	0.54	3075	2491	0.81	0.57	3000	2430	0.81	0.59	2875	2329	0.81	0.61
32	24	3350	2312	0.69	0.56	3225	2225	0.69	0.60	3150	2174	0.69	0.61	3050	2105	0.69	0.64
32	26	3450	1967	0.57	0.60	3350	1910	0.57	0.63	3300	1881	0.57	0.64	3200	1824	0.57	0.66

NOTE C A :Capacity (W) SHC :Sensible heat capacity (W) DB : Dry-bulb temperature
P.C. :Power consumption (kW) SHF :Sensible heat factor WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MFZ-KT25VG: SUZ-M25VA

CAPACITY: 2.5 kW SHF: 0.79 INPUT: 620 W

Indoor intake air DB (°C)	Indoor intake air WB (°C)	Outdoor intake air DB (°C)											
		35				40				46			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
21	18	2450	1495	0.61	0.61	2250	1373	0.61	0.64	2075	1266	0.61	0.67
21	20	2575	1262	0.49	0.63	2400	1176	0.49	0.66	2225	1090	0.49	0.70
22	18	2450	1593	0.65	0.61	2250	1463	0.65	0.64	2075	1349	0.65	0.67
22	20	2575	1365	0.53	0.63	2400	1272	0.53	0.66	2225	1179	0.53	0.70
22	22	2725	1117	0.41	0.66	2550	1046	0.41	0.69	2375	974	0.41	0.72
23	18	2450	1691	0.69	0.61	2250	1553	0.69	0.64	2075	1432	0.69	0.67
23	20	2575	1468	0.57	0.63	2400	1368	0.57	0.66	2225	1268	0.57	0.70
23	22	2725	1226	0.45	0.66	2550	1148	0.45	0.69	2375	1069	0.45	0.72
24	18	2450	1789	0.73	0.61	2250	1643	0.73	0.64	2075	1515	0.73	0.67
24	20	2575	1571	0.61	0.63	2400	1464	0.61	0.66	2225	1357	0.61	0.70
24	22	2725	1335	0.49	0.66	2550	1250	0.49	0.69	2375	1164	0.49	0.72
24	24	2875	1064	0.37	0.68	2700	999	0.37	0.71	2550	944	0.37	0.74
25	20	2575	1674	0.65	0.63	2400	1560	0.65	0.66	2225	1446	0.65	0.70
25	22	2725	1444	0.53	0.66	2550	1352	0.53	0.69	2375	1259	0.53	0.72
25	24	2875	1179	0.41	0.68	2700	1107	0.41	0.71	2550	1046	0.41	0.74
26	18	2450	1985	0.81	0.61	2250	1823	0.81	0.64	2075	1681	0.81	0.67
26	20	2575	1777	0.69	0.63	2400	1656	0.69	0.66	2225	1535	0.69	0.70
26	22	2725	1553	0.57	0.66	2550	1454	0.57	0.69	2375	1354	0.57	0.72
26	24	2875	1294	0.45	0.68	2700	1215	0.45	0.71	2550	1148	0.45	0.74
26	26	3025	998	0.33	0.71	2850	941	0.33	0.74	2675	883	0.33	0.77
27	18	2450	2083	0.85	0.61	2250	1913	0.85	0.64	2075	1764	0.85	0.67
27	20	2575	1880	0.73	0.63	2400	1752	0.73	0.66	2225	1624	0.73	0.70
27	22	2725	1662	0.61	0.66	2550	1556	0.61	0.69	2375	1449	0.61	0.72
27	24	2875	1409	0.49	0.68	2700	1323	0.49	0.71	2550	1250	0.49	0.74
27	26	3025	1119	0.37	0.71	2850	1055	0.37	0.74	2675	990	0.37	0.77
28	18	2450	2181	0.89	0.61	2250	2003	0.89	0.64	2075	1847	0.89	0.67
28	20	2575	1983	0.77	0.63	2400	1848	0.77	0.66	2225	1713	0.77	0.70
28	22	2725	1771	0.65	0.66	2550	1658	0.65	0.69	2375	1544	0.65	0.72
28	24	2875	1524	0.53	0.68	2700	1431	0.53	0.71	2550	1352	0.53	0.74
28	26	3025	1240	0.41	0.71	2850	1169	0.41	0.74	2675	1097	0.41	0.77
29	18	2450	2279	0.93	0.61	2250	2093	0.93	0.64	2075	1930	0.93	0.67
29	20	2575	2086	0.81	0.63	2400	1944	0.81	0.66	2225	1802	0.81	0.70
29	22	2725	1880	0.69	0.66	2550	1760	0.69	0.69	2375	1639	0.69	0.72
29	24	2875	1639	0.57	0.68	2700	1539	0.57	0.71	2550	1454	0.57	0.74
29	26	3025	1361	0.45	0.71	2850	1283	0.45	0.74	2675	1204	0.45	0.77
30	18	2450	2377	0.97	0.61	2250	2183	0.97	0.64	2075	2013	0.97	0.67
30	20	2575	2189	0.85	0.63	2400	2040	0.85	0.66	2225	1891	0.85	0.70
30	22	2725	1989	0.73	0.66	2550	1862	0.73	0.69	2375	1734	0.73	0.72
30	24	2875	1754	0.61	0.68	2700	1647	0.61	0.71	2550	1556	0.61	0.74
30	26	3025	1482	0.49	0.71	2850	1397	0.49	0.74	2675	1311	0.49	0.77
31	18	2450	2450	1.00	0.61	2250	2250	1.00	0.64	2075	2075	1.00	0.67
31	20	2575	2292	0.89	0.63	2400	2136	0.89	0.66	2225	1980	0.89	0.70
31	22	2725	2098	0.77	0.66	2550	1964	0.77	0.69	2375	1829	0.77	0.72
31	24	2875	1869	0.65	0.68	2700	1755	0.65	0.71	2550	1658	0.65	0.74
31	26	3025	1603	0.53	0.71	2850	1511	0.53	0.74	2675	1418	0.53	0.77
32	18	2450	2450	1.00	0.61	2250	2250	1.00	0.64	2075	2075	1.00	0.67
32	20	2575	2395	0.93	0.63	2400	2232	0.93	0.66	2225	2069	0.93	0.70
32	22	2725	2207	0.81	0.66	2550	2066	0.81	0.69	2375	1924	0.81	0.72
32	24	2875	1984	0.69	0.68	2700	1863	0.69	0.71	2550	1760	0.69	0.74
32	26	3025	1724	0.57	0.71	2850	1625	0.57	0.74	2675	1525	0.57	0.77

NOTE C A :Capacity (W) SHC :Sensible heat capacity (W) DB : Dry-bulb temperature
P.C. :Power consumption (kW) SHF :Sensible heat factor WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MFZ-KT35VG: SUZ-M35VA

CAPACITY: 3.5 kW SHF: 0.70 INPUT: 1060 W

Indoor intake air DB (°C)	Indoor intake air WB (°C)	Outdoor intake air DB (°C)															
		21				25				27				30			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
21	18	4113	2139	0.52	0.85	3938	2048	0.52	0.89	3780	1966	0.52	0.93	3640	1893	0.52	0.98
21	20	4288	1715	0.40	0.89	4113	1645	0.40	0.94	3990	1596	0.40	0.96	3850	1540	0.40	1.01
22	18	4113	2303	0.56	0.85	3938	2205	0.56	0.89	3780	2117	0.56	0.93	3640	2038	0.56	0.98
22	20	4288	1887	0.44	0.89	4113	1810	0.44	0.94	3990	1756	0.44	0.96	3850	1694	0.44	1.01
22	22	4463	1428	0.32	0.92	4305	1378	0.32	0.98	4200	1344	0.32	1.01	4025	1288	0.32	1.05
23	18	4113	2468	0.60	0.85	3938	2363	0.60	0.89	3780	2268	0.60	0.93	3640	2184	0.60	0.98
23	20	4288	2058	0.48	0.89	4113	1974	0.48	0.94	3990	1915	0.48	0.96	3850	1848	0.48	1.01
23	22	4463	1607	0.36	0.92	4305	1550	0.36	0.98	4200	1512	0.36	1.01	4025	1449	0.36	1.05
24	18	4113	2632	0.64	0.85	3938	2520	0.64	0.89	3780	2419	0.64	0.93	3640	2330	0.64	0.98
24	20	4288	2230	0.52	0.89	4113	2139	0.52	0.94	3990	2075	0.52	0.96	3850	2002	0.52	1.01
24	22	4463	1785	0.40	0.92	4305	1722	0.40	0.98	4200	1680	0.40	1.01	4025	1610	0.40	1.05
24	24	4690	1313	0.28	0.96	4515	1264	0.28	1.02	4410	1235	0.28	1.05	4270	1196	0.28	1.10
25	20	4288	2401	0.56	0.89	4113	2303	0.56	0.94	3990	2234	0.56	0.96	3850	2156	0.56	1.01
25	22	4463	1964	0.44	0.92	4305	1894	0.44	0.98	4200	1848	0.44	1.01	4025	1771	0.44	1.05
25	24	4690	1501	0.32	0.96	4515	1445	0.32	1.02	4410	1411	0.32	1.05	4270	1366	0.32	1.10
26	18	4113	2961	0.72	0.85	3938	2835	0.72	0.89	3780	2722	0.72	0.93	3640	2621	0.72	0.98
26	20	4288	2573	0.60	0.89	4113	2468	0.60	0.94	3990	2394	0.60	0.96	3850	2310	0.60	1.01
26	22	4463	2142	0.48	0.92	4305	2066	0.48	0.98	4200	2016	0.48	1.01	4025	1932	0.48	1.05
26	24	4690	1688	0.36	0.96	4515	1625	0.36	1.02	4410	1588	0.36	1.05	4270	1537	0.36	1.10
26	26	4830	1159	0.24	1.02	4690	1126	0.24	1.07	4620	1109	0.24	1.10	4480	1075	0.24	1.13
27	18	4113	3126	0.76	0.85	3938	2993	0.76	0.89	3780	2873	0.76	0.93	3640	2766	0.76	0.98
27	20	4288	2744	0.64	0.89	4113	2632	0.64	0.94	3990	2554	0.64	0.96	3850	2464	0.64	1.01
27	22	4463	2321	0.52	0.92	4305	2239	0.52	0.98	4200	2184	0.52	1.01	4025	2093	0.52	1.05
27	24	4690	1876	0.40	0.96	4515	1806	0.40	1.02	4410	1764	0.40	1.05	4270	1708	0.40	1.10
27	26	4830	1352	0.28	1.02	4690	1313	0.28	1.07	4620	1294	0.28	1.10	4480	1254	0.28	1.13
28	18	4113	3290	0.80	0.85	3938	3150	0.80	0.89	3780	3024	0.80	0.93	3640	2912	0.80	0.98
28	20	4288	2916	0.68	0.89	4113	2797	0.68	0.94	3990	2713	0.68	0.96	3850	2618	0.68	1.01
28	22	4463	2499	0.56	0.92	4305	2411	0.56	0.98	4200	2352	0.56	1.01	4025	2254	0.56	1.05
28	24	4690	2064	0.44	0.96	4515	1987	0.44	1.02	4410	1940	0.44	1.05	4270	1879	0.44	1.10
28	26	4830	1546	0.32	1.02	4690	1501	0.32	1.07	4620	1478	0.32	1.10	4480	1434	0.32	1.13
29	18	4113	3455	0.84	0.85	3938	3308	0.84	0.89	3780	3175	0.84	0.93	3640	3058	0.84	0.98
29	20	4288	3087	0.72	0.89	4113	2961	0.72	0.94	3990	2873	0.72	0.96	3850	2772	0.72	1.01
29	22	4463	2678	0.60	0.92	4305	2583	0.60	0.98	4200	2520	0.60	1.01	4025	2415	0.60	1.05
29	24	4690	2251	0.48	0.96	4515	2167	0.48	1.02	4410	2117	0.48	1.05	4270	2050	0.48	1.10
29	26	4830	1739	0.36	1.02	4690	1688	0.36	1.07	4620	1663	0.36	1.10	4480	1613	0.36	1.13
30	18	4113	3619	0.88	0.85	3938	3465	0.88	0.89	3780	3326	0.88	0.93	3640	3203	0.88	0.98
30	20	4288	3259	0.76	0.89	4113	3126	0.76	0.94	3990	3032	0.76	0.96	3850	2926	0.76	1.01
30	22	4463	2856	0.64	0.92	4305	2755	0.64	0.98	4200	2688	0.64	1.01	4025	2576	0.64	1.05
30	24	4690	2439	0.52	0.96	4515	2348	0.52	1.02	4410	2293	0.52	1.05	4270	2220	0.52	1.10
30	26	4830	1932	0.40	1.02	4690	1876	0.40	1.07	4620	1848	0.40	1.10	4480	1792	0.40	1.13
31	18	4113	3784	0.92	0.85	3938	3623	0.92	0.89	3780	3478	0.92	0.93	3640	3349	0.92	0.98
31	20	4288	3430	0.80	0.89	4113	3290	0.80	0.94	3990	3192	0.80	0.96	3850	3080	0.80	1.01
31	22	4463	3035	0.68	0.92	4305	2927	0.68	0.98	4200	2856	0.68	1.01	4025	2737	0.68	1.05
31	24	4690	2626	0.56	0.96	4515	2528	0.56	1.02	4410	2470	0.56	1.05	4270	2391	0.56	1.10
31	26	4830	2125	0.44	1.02	4690	2064	0.44	1.07	4620	2033	0.44	1.10	4480	1971	0.44	1.13
32	18	4113	3948	0.96	0.85	3938	3780	0.96	0.89	3780	3629	0.96	0.93	3640	3494	0.96	0.98
32	20	4288	3602	0.84	0.89	4113	3455	0.84	0.94	3990	3352	0.84	0.96	3850	3234	0.84	1.01
32	22	4463	3213	0.72	0.92	4305	3100	0.72	0.98	4200	3024	0.72	1.01	4025	2898	0.72	1.05
32	24	4690	2814	0.60	0.96	4515	2709	0.60	1.02	4410	2646	0.60	1.05	4270	2562	0.60	1.10
32	26	4830	2318	0.48	1.02	4690	2251	0.48	1.07	4620	2218	0.48	1.10	4480	2150	0.48	1.13

NOTE C A :Capacity (W) SHC :Sensible heat capacity (W) DB : Dry-bulb temperature
P.C. :Power consumption (kW) SHF :Sensible heat factor WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MFZ-KT35VG: SUZ-M35VA

CAPACITY: 3.5 kW SHF: 0.70 INPUT: 1060 W

Indoor intake air DB (°C)	Indoor intake air WB (°C)	Outdoor intake air DB (°C)											
		35				40				46			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
21	18	3430	1784	0.52	1.04	3150	1638	0.52	1.10	2905	1511	0.52	1.14
21	20	3605	1442	0.40	1.08	3360	1344	0.40	1.13	3115	1246	0.40	1.20
22	18	3430	1921	0.56	1.04	3150	1764	0.56	1.10	2905	1627	0.56	1.14
22	20	3605	1586	0.44	1.08	3360	1478	0.44	1.13	3115	1371	0.44	1.20
22	22	3815	1221	0.32	1.12	3570	1142	0.32	1.19	3325	1064	0.32	1.23
23	18	3430	2058	0.60	1.04	3150	1890	0.60	1.10	2905	1743	0.60	1.14
23	20	3605	1730	0.48	1.08	3360	1613	0.48	1.13	3115	1495	0.48	1.20
23	22	3815	1373	0.36	1.12	3570	1285	0.36	1.19	3325	1197	0.36	1.23
24	18	3430	2195	0.64	1.04	3150	2016	0.64	1.10	2905	1859	0.64	1.14
24	20	3605	1875	0.52	1.08	3360	1747	0.52	1.13	3115	1620	0.52	1.20
24	22	3815	1526	0.40	1.12	3570	1428	0.40	1.19	3325	1330	0.40	1.23
24	24	4025	1127	0.28	1.17	3780	1058	0.28	1.22	3570	1000	0.28	1.27
25	20	3605	2019	0.56	1.08	3360	1882	0.56	1.13	3115	1744	0.56	1.20
25	22	3815	1679	0.44	1.12	3570	1571	0.44	1.19	3325	1463	0.44	1.23
25	24	4025	1288	0.32	1.17	3780	1210	0.32	1.22	3570	1142	0.32	1.27
26	18	3430	2470	0.72	1.04	3150	2268	0.72	1.10	2905	2092	0.72	1.14
26	20	3605	2163	0.60	1.08	3360	2016	0.60	1.13	3115	1869	0.60	1.20
26	22	3815	1831	0.48	1.12	3570	1714	0.48	1.19	3325	1596	0.48	1.23
26	24	4025	1449	0.36	1.17	3780	1361	0.36	1.22	3570	1285	0.36	1.27
26	26	4235	1016	0.24	1.21	3990	958	0.24	1.26	3745	899	0.24	1.31
27	18	3430	2607	0.76	1.04	3150	2394	0.76	1.10	2905	2208	0.76	1.14
27	20	3605	2307	0.64	1.08	3360	2150	0.64	1.13	3115	1994	0.64	1.20
27	22	3815	1984	0.52	1.12	3570	1856	0.52	1.19	3325	1729	0.52	1.23
27	24	4025	1610	0.40	1.17	3780	1512	0.40	1.22	3570	1428	0.40	1.27
27	26	4235	1186	0.28	1.21	3990	1117	0.28	1.26	3745	1049	0.28	1.31
28	18	3430	2744	0.80	1.04	3150	2520	0.80	1.10	2905	2324	0.80	1.14
28	20	3605	2451	0.68	1.08	3360	2285	0.68	1.13	3115	2118	0.68	1.20
28	22	3815	2136	0.56	1.12	3570	1999	0.56	1.19	3325	1862	0.56	1.23
28	24	4025	1771	0.44	1.17	3780	1663	0.44	1.22	3570	1571	0.44	1.27
28	26	4235	1355	0.32	1.21	3990	1277	0.32	1.26	3745	1198	0.32	1.31
29	18	3430	2881	0.84	1.04	3150	2646	0.84	1.10	2905	2440	0.84	1.14
29	20	3605	2596	0.72	1.08	3360	2419	0.72	1.13	3115	2243	0.72	1.20
29	22	3815	2289	0.60	1.12	3570	2142	0.60	1.19	3325	1995	0.60	1.23
29	24	4025	1932	0.48	1.17	3780	1814	0.48	1.22	3570	1714	0.48	1.27
29	26	4235	1525	0.36	1.21	3990	1436	0.36	1.26	3745	1348	0.36	1.31
30	18	3430	3018	0.88	1.04	3150	2772	0.88	1.10	2905	2556	0.88	1.14
30	20	3605	2740	0.76	1.08	3360	2554	0.76	1.13	3115	2367	0.76	1.20
30	22	3815	2442	0.64	1.12	3570	2285	0.64	1.19	3325	2128	0.64	1.23
30	24	4025	2093	0.52	1.17	3780	1966	0.52	1.22	3570	1856	0.52	1.27
30	26	4235	1694	0.40	1.21	3990	1596	0.40	1.26	3745	1498	0.40	1.31
31	18	3430	3156	0.92	1.04	3150	2898	0.92	1.10	2905	2673	0.92	1.14
31	20	3605	2884	0.80	1.08	3360	2688	0.80	1.13	3115	2492	0.80	1.20
31	22	3815	2594	0.68	1.12	3570	2428	0.68	1.19	3325	2261	0.68	1.23
31	24	4025	2254	0.56	1.17	3780	2117	0.56	1.22	3570	1999	0.56	1.27
31	26	4235	1863	0.44	1.21	3990	1756	0.44	1.26	3745	1648	0.44	1.31
32	18	3430	3293	0.96	1.04	3150	3024	0.96	1.10	2905	2789	0.96	1.14
32	20	3605	3028	0.84	1.08	3360	2822	0.84	1.13	3115	2617	0.84	1.20
32	22	3815	2747	0.72	1.12	3570	2570	0.72	1.19	3325	2394	0.72	1.23
32	24	4025	2415	0.60	1.17	3780	2268	0.60	1.22	3570	2142	0.60	1.27
32	26	4235	2033	0.48	1.21	3990	1915	0.48	1.26	3745	1798	0.48	1.31

NOTE C A :Capacity (W) SHC :Sensible heat capacity (W) DB : Dry-bulb temperature
P.C. :Power consumption (kW) SHF :Sensible heat factor WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MFZ-KT50VG: SUZ-M50VA

CAPACITY: 5.0 kW SHF: 0.72 INPUT: 155 W

Indoor intake air DB (°C)	Indoor intake air WB (°C)	Outdoor intake air DB (°C)															
		21				25				27				30			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
21	18	5875	3173	0.54	1.24	5625	3038	0.54	1.30	5400	2916	0.54	1.36	5200	2808	0.54	1.43
21	20	6125	2573	0.42	1.30	5875	2468	0.42	1.38	5700	2394	0.42	1.41	5500	2310	0.42	1.47
22	18	5875	3408	0.58	1.24	5625	3263	0.58	1.30	5400	3132	0.58	1.36	5200	3016	0.58	1.43
22	20	6125	2818	0.46	1.30	5875	2703	0.46	1.38	5700	2622	0.46	1.41	5500	2530	0.46	1.47
22	22	6375	2168	0.34	1.35	6150	2091	0.34	1.43	6000	2040	0.34	1.47	5750	1955	0.34	1.53
23	18	5875	3643	0.62	1.24	5625	3488	0.62	1.30	5400	3348	0.62	1.36	5200	3224	0.62	1.43
23	20	6125	3063	0.50	1.30	5875	2938	0.50	1.38	5700	2850	0.50	1.41	5500	2750	0.50	1.47
23	22	6375	2423	0.38	1.35	6150	2337	0.38	1.43	6000	2280	0.38	1.47	5750	2185	0.38	1.53
24	18	5875	3878	0.66	1.24	5625	3713	0.66	1.30	5400	3564	0.66	1.36	5200	3432	0.66	1.43
24	20	6125	3308	0.54	1.30	5875	3173	0.54	1.38	5700	3078	0.54	1.41	5500	2970	0.54	1.47
24	22	6375	2678	0.42	1.35	6150	2583	0.42	1.43	6000	2520	0.42	1.47	5750	2415	0.42	1.53
24	24	6700	2010	0.30	1.41	6450	1935	0.30	1.49	6300	1890	0.30	1.53	6100	1830	0.30	1.61
25	20	6125	3553	0.58	1.30	5875	3408	0.58	1.38	5700	3306	0.58	1.41	5500	3190	0.58	1.47
25	22	6375	2933	0.46	1.35	6150	2829	0.46	1.43	6000	2760	0.46	1.47	5750	2645	0.46	1.53
25	24	6700	2278	0.34	1.41	6450	2193	0.34	1.49	6300	2142	0.34	1.53	6100	2074	0.34	1.61
26	18	5875	4348	0.74	1.24	5625	4163	0.74	1.30	5400	3996	0.74	1.36	5200	3848	0.74	1.43
26	20	6125	3798	0.62	1.30	5875	3643	0.62	1.38	5700	3534	0.62	1.41	5500	3410	0.62	1.47
26	22	6375	3188	0.50	1.35	6150	3075	0.50	1.43	6000	3000	0.50	1.47	5750	2875	0.50	1.53
26	24	6700	2546	0.38	1.41	6450	2451	0.38	1.49	6300	2394	0.38	1.53	6100	2318	0.38	1.61
26	26	6900	1794	0.26	1.49	6700	1742	0.26	1.57	6600	1716	0.26	1.61	6400	1664	0.26	1.66
27	18	5875	4583	0.78	1.24	5625	4388	0.78	1.30	5400	4212	0.78	1.36	5200	4056	0.78	1.43
27	20	6125	4043	0.66	1.30	5875	3878	0.66	1.38	5700	3762	0.66	1.41	5500	3630	0.66	1.47
27	22	6375	3443	0.54	1.35	6150	3321	0.54	1.43	6000	3240	0.54	1.47	5750	3105	0.54	1.53
27	24	6700	2814	0.42	1.41	6450	2709	0.42	1.49	6300	2646	0.42	1.53	6100	2562	0.42	1.61
27	26	6900	2070	0.30	1.49	6700	2010	0.30	1.57	6600	1980	0.30	1.61	6400	1920	0.30	1.66
28	18	5875	4818	0.82	1.24	5625	4613	0.82	1.30	5400	4428	0.82	1.36	5200	4264	0.82	1.43
28	20	6125	4288	0.70	1.30	5875	4113	0.70	1.38	5700	3990	0.70	1.41	5500	3850	0.70	1.47
28	22	6375	3698	0.58	1.35	6150	3567	0.58	1.43	6000	3480	0.58	1.47	5750	3335	0.58	1.53
28	24	6700	3082	0.46	1.41	6450	2967	0.46	1.49	6300	2898	0.46	1.53	6100	2806	0.46	1.61
28	26	6900	2346	0.34	1.49	6700	2278	0.34	1.57	6600	2244	0.34	1.61	6400	2176	0.34	1.66
29	18	5875	5053	0.86	1.24	5625	4838	0.86	1.30	5400	4644	0.86	1.36	5200	4472	0.86	1.43
29	20	6125	4533	0.74	1.30	5875	4348	0.74	1.38	5700	4218	0.74	1.41	5500	4070	0.74	1.47
29	22	6375	3953	0.62	1.35	6150	3813	0.62	1.43	6000	3720	0.62	1.47	5750	3565	0.62	1.53
29	24	6700	3350	0.50	1.41	6450	3225	0.50	1.49	6300	3150	0.50	1.53	6100	3050	0.50	1.61
29	26	6900	2622	0.38	1.49	6700	2546	0.38	1.57	6600	2508	0.38	1.61	6400	2432	0.38	1.66
30	18	5875	5288	0.90	1.24	5625	5063	0.90	1.30	5400	4860	0.90	1.36	5200	4680	0.90	1.43
30	20	6125	4778	0.78	1.30	5875	4583	0.78	1.38	5700	4446	0.78	1.41	5500	4290	0.78	1.47
30	22	6375	4208	0.66	1.35	6150	4059	0.66	1.43	6000	3960	0.66	1.47	5750	3795	0.66	1.53
30	24	6700	3618	0.54	1.41	6450	3483	0.54	1.49	6300	3402	0.54	1.53	6100	3294	0.54	1.61
30	26	6900	2898	0.42	1.49	6700	2814	0.42	1.57	6600	2772	0.42	1.61	6400	2688	0.42	1.66
31	18	5875	5523	0.94	1.24	5625	5288	0.94	1.30	5400	5076	0.94	1.36	5200	4888	0.94	1.43
31	20	6125	5023	0.82	1.30	5875	4818	0.82	1.38	5700	4674	0.82	1.41	5500	4510	0.82	1.47
31	22	6375	4463	0.70	1.35	6150	4305	0.70	1.43	6000	4200	0.70	1.47	5750	4025	0.70	1.53
31	24	6700	3886	0.58	1.41	6450	3741	0.58	1.49	6300	3654	0.58	1.53	6100	3538	0.58	1.61
31	26	6900	3174	0.46	1.49	6700	3082	0.46	1.57	6600	3036	0.46	1.61	6400	2944	0.46	1.66
32	18	5875	5758	0.98	1.24	5625	5513	0.98	1.30	5400	5292	0.98	1.36	5200	5096	0.98	1.43
32	20	6125	5268	0.86	1.30	5875	5053	0.86	1.38	5700	4902	0.86	1.41	5500	4730	0.86	1.47
32	22	6375	4718	0.74	1.35	6150	4551	0.74	1.43	6000	4440	0.74	1.47	5750	4255	0.74	1.53
32	24	6700	4154	0.62	1.41	6450	3999	0.62	1.49	6300	3906	0.62	1.53	6100	3782	0.62	1.61
32	26	6900	3450	0.50	1.49	6700	3350	0.50	1.57	6600	3300	0.50	1.61	6400	3200	0.50	1.66

NOTE C A :Capacity (W) SHC :Sensible heat capacity (W) DB : Dry-bulb temperature
P.C. :Power consumption (kW) SHF :Sensible heat factor WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MFZ-KT50VG: SUZ-M50VA

CAPACITY: 5.0 kW SHF: 0.72 INPUT: 155 W

Indoor intake air DB (°C)	Indoor intake air WB (°C)	Outdoor intake air DB (°C)											
		35				40				46			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
21	18	4900	2646	0.54	1.52	4500	2430	0.54	1.61	4150	2241	0.54	1.67
21	20	5150	2163	0.42	1.58	4800	2016	0.42	1.66	4450	1869	0.42	1.75
22	18	4900	2842	0.58	1.52	4500	2610	0.58	1.61	4150	2407	0.58	1.67
22	20	5150	2369	0.46	1.58	4800	2208	0.46	1.66	4450	2047	0.46	1.75
22	22	5450	1853	0.34	1.64	5100	1734	0.34	1.74	4750	1615	0.34	1.80
23	18	4900	3038	0.62	1.52	4500	2790	0.62	1.61	4150	2573	0.62	1.67
23	20	5150	2575	0.50	1.58	4800	2400	0.50	1.66	4450	2225	0.50	1.75
23	22	5450	2071	0.38	1.64	5100	1938	0.38	1.74	4750	1805	0.38	1.80
24	18	4900	3234	0.66	1.52	4500	2970	0.66	1.61	4150	2739	0.66	1.67
24	20	5150	2781	0.54	1.58	4800	2592	0.54	1.66	4450	2403	0.54	1.75
24	22	5450	2289	0.42	1.64	5100	2142	0.42	1.74	4750	1995	0.42	1.80
24	24	5750	1725	0.30	1.71	5400	1620	0.30	1.78	5100	1530	0.30	1.86
25	20	5150	2987	0.58	1.58	4800	2784	0.58	1.66	4450	2581	0.58	1.75
25	22	5450	2507	0.46	1.64	5100	2346	0.46	1.74	4750	2185	0.46	1.80
25	24	5750	1955	0.34	1.71	5400	1836	0.34	1.78	5100	1734	0.34	1.86
26	18	4900	3626	0.74	1.52	4500	3330	0.74	1.61	4150	3071	0.74	1.67
26	20	5150	3193	0.62	1.58	4800	2976	0.62	1.66	4450	2759	0.62	1.75
26	22	5450	2725	0.50	1.64	5100	2550	0.50	1.74	4750	2375	0.50	1.80
26	24	5750	2185	0.38	1.71	5400	2052	0.38	1.78	5100	1938	0.38	1.86
26	26	6050	1573	0.26	1.77	5700	1482	0.26	1.84	5350	1391	0.26	1.92
27	18	4900	3822	0.78	1.52	4500	3510	0.78	1.61	4150	3237	0.78	1.67
27	20	5150	3399	0.66	1.58	4800	3168	0.66	1.66	4450	2937	0.66	1.75
27	22	5450	2943	0.54	1.64	5100	2754	0.54	1.74	4750	2565	0.54	1.80
27	24	5750	2415	0.42	1.71	5400	2268	0.42	1.78	5100	2142	0.42	1.86
27	26	6050	1815	0.30	1.77	5700	1710	0.30	1.84	5350	1605	0.30	1.92
28	18	4900	4018	0.82	1.52	4500	3690	0.82	1.61	4150	3403	0.82	1.67
28	20	5150	3605	0.70	1.58	4800	3360	0.70	1.66	4450	3115	0.70	1.75
28	22	5450	3161	0.58	1.64	5100	2958	0.58	1.74	4750	2755	0.58	1.80
28	24	5750	2645	0.46	1.71	5400	2484	0.46	1.78	5100	2346	0.46	1.86
28	26	6050	2057	0.34	1.77	5700	1938	0.34	1.84	5350	1819	0.34	1.92
29	18	4900	4214	0.86	1.52	4500	3870	0.86	1.61	4150	3569	0.86	1.67
29	20	5150	3811	0.74	1.58	4800	3552	0.74	1.66	4450	3293	0.74	1.75
29	22	5450	3379	0.62	1.64	5100	3162	0.62	1.74	4750	2945	0.62	1.80
29	24	5750	2875	0.50	1.71	5400	2700	0.50	1.78	5100	2550	0.50	1.86
29	26	6050	2299	0.38	1.77	5700	2166	0.38	1.84	5350	2033	0.38	1.92
30	18	4900	4410	0.90	1.52	4500	4050	0.90	1.61	4150	3735	0.90	1.67
30	20	5150	4017	0.78	1.58	4800	3744	0.78	1.66	4450	3471	0.78	1.75
30	22	5450	3597	0.66	1.64	5100	3366	0.66	1.74	4750	3135	0.66	1.80
30	24	5750	3105	0.54	1.71	5400	2916	0.54	1.78	5100	2754	0.54	1.86
30	26	6050	2541	0.42	1.77	5700	2394	0.42	1.84	5350	2247	0.42	1.92
31	18	4900	4606	0.94	1.52	4500	4230	0.94	1.61	4150	3901	0.94	1.67
31	20	5150	4223	0.82	1.58	4800	3936	0.82	1.66	4450	3649	0.82	1.75
31	22	5450	3815	0.70	1.64	5100	3570	0.70	1.74	4750	3325	0.70	1.80
31	24	5750	3335	0.58	1.71	5400	3132	0.58	1.78	5100	2958	0.58	1.86
31	26	6050	2783	0.46	1.77	5700	2622	0.46	1.84	5350	2461	0.46	1.92
32	18	4900	4802	0.98	1.52	4500	4410	0.98	1.61	4150	4067	0.98	1.67
32	20	5150	4429	0.86	1.58	4800	4128	0.86	1.66	4450	3827	0.86	1.75
32	22	5450	4033	0.74	1.64	5100	3774	0.74	1.74	4750	3515	0.74	1.80
32	24	5750	3565	0.62	1.71	5400	3348	0.62	1.78	5100	3162	0.62	1.86
32	26	6050	3025	0.50	1.77	5700	2850	0.50	1.84	5350	2675	0.50	1.92

NOTE C A :Capacity (W) SHC :Sensible heat capacity (W) DB : Dry-bulb temperature
P.C. :Power consumption (kW) SHF :Sensible heat factor WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MFZ-KT60VG: SUZ-M60VA

CAPACITY: 6.1 kW SHF: 0.70 INPUT: 184 W

Indoor intake air DB (°C)	Indoor intake air WB (°C)	Outdoor intake air DB (°C)															
		21				25				27				30			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
21	18	7168	3727	0.52	1.47	6863	3569	0.52	1.55	6588	3426	0.52	1.62	6344	3299	0.52	1.69
21	20	7473	2989	0.40	1.55	7168	2867	0.40	1.64	6954	2782	0.40	1.67	6710	2684	0.40	1.75
22	18	7168	4014	0.56	1.47	6863	3843	0.56	1.55	6588	3689	0.56	1.62	6344	3553	0.56	1.69
22	20	7473	3288	0.44	1.55	7168	3154	0.44	1.64	6954	3060	0.44	1.67	6710	2952	0.44	1.75
22	22	7778	2489	0.32	1.60	7503	2401	0.32	1.70	7320	2342	0.32	1.75	7015	2245	0.32	1.82
23	18	7168	4301	0.60	1.47	6863	4118	0.60	1.55	6588	3953	0.60	1.62	6344	3806	0.60	1.69
23	20	7473	3587	0.48	1.55	7168	3440	0.48	1.64	6954	3338	0.48	1.67	6710	3221	0.48	1.75
23	22	7778	2800	0.36	1.60	7503	2701	0.36	1.70	7320	2635	0.36	1.75	7015	2525	0.36	1.82
24	18	7168	4587	0.64	1.47	6863	4392	0.64	1.55	6588	4216	0.64	1.62	6344	4060	0.64	1.69
24	20	7473	3886	0.52	1.55	7168	3727	0.52	1.64	6954	3616	0.52	1.67	6710	3489	0.52	1.75
24	22	7778	3111	0.40	1.60	7503	3001	0.40	1.70	7320	2928	0.40	1.75	7015	2806	0.40	1.82
24	24	8174	2289	0.28	1.67	7869	2203	0.28	1.77	7686	2152	0.28	1.82	7442	2084	0.28	1.91
25	20	7473	4185	0.56	1.55	7168	4014	0.56	1.64	6954	3894	0.56	1.67	6710	3758	0.56	1.75
25	22	7778	3422	0.44	1.60	7503	3301	0.44	1.70	7320	3221	0.44	1.75	7015	3087	0.44	1.82
25	24	8174	2616	0.32	1.67	7869	2518	0.32	1.77	7686	2460	0.32	1.82	7442	2381	0.32	1.91
26	18	7168	5161	0.72	1.47	6863	4941	0.72	1.55	6588	4743	0.72	1.62	6344	4568	0.72	1.69
26	20	7473	4484	0.60	1.55	7168	4301	0.60	1.64	6954	4172	0.60	1.67	6710	4026	0.60	1.75
26	22	7778	3733	0.48	1.60	7503	3601	0.48	1.70	7320	3514	0.48	1.75	7015	3367	0.48	1.82
26	24	8174	2943	0.36	1.67	7869	2833	0.36	1.77	7686	2767	0.36	1.82	7442	2679	0.36	1.91
26	26	8418	2020	0.24	1.77	8174	1962	0.24	1.86	8052	1932	0.24	1.91	7808	1874	0.24	1.97
27	18	7168	5447	0.76	1.47	6863	5216	0.76	1.55	6588	5007	0.76	1.62	6344	4821	0.76	1.69
27	20	7473	4782	0.64	1.55	7168	4587	0.64	1.64	6954	4451	0.64	1.67	6710	4294	0.64	1.75
27	22	7778	4044	0.52	1.60	7503	3902	0.52	1.70	7320	3806	0.52	1.75	7015	3648	0.52	1.82
27	24	8174	3270	0.40	1.67	7869	3148	0.40	1.77	7686	3074	0.40	1.82	7442	2977	0.40	1.91
27	26	8418	2357	0.28	1.77	8174	2289	0.28	1.86	8052	2255	0.28	1.91	7808	2186	0.28	1.97
28	18	7168	5734	0.80	1.47	6863	5490	0.80	1.55	6588	5270	0.80	1.62	6344	5075	0.80	1.69
28	20	7473	5081	0.68	1.55	7168	4874	0.68	1.64	6954	4729	0.68	1.67	6710	4563	0.68	1.75
28	22	7778	4355	0.56	1.60	7503	4202	0.56	1.70	7320	4099	0.56	1.75	7015	3928	0.56	1.82
28	24	8174	3597	0.44	1.67	7869	3462	0.44	1.77	7686	3382	0.44	1.82	7442	3274	0.44	1.91
28	26	8418	2694	0.32	1.77	8174	2616	0.32	1.86	8052	2577	0.32	1.91	7808	2499	0.32	1.97
29	18	7168	6021	0.84	1.47	6863	5765	0.84	1.55	6588	5534	0.84	1.62	6344	5329	0.84	1.69
29	20	7473	5380	0.72	1.55	7168	5161	0.72	1.64	6954	5007	0.72	1.67	6710	4831	0.72	1.75
29	22	7778	4667	0.60	1.60	7503	4502	0.60	1.70	7320	4392	0.60	1.75	7015	4209	0.60	1.82
29	24	8174	3924	0.48	1.67	7869	3777	0.48	1.77	7686	3689	0.48	1.82	7442	3572	0.48	1.91
29	26	8418	3030	0.36	1.77	8174	2943	0.36	1.86	8052	2899	0.36	1.91	7808	2811	0.36	1.97
30	18	7168	6307	0.88	1.47	6863	6039	0.88	1.55	6588	5797	0.88	1.62	6344	5583	0.88	1.69
30	20	7473	5679	0.76	1.55	7168	5447	0.76	1.64	6954	5285	0.76	1.67	6710	5100	0.76	1.75
30	22	7778	4978	0.64	1.60	7503	4802	0.64	1.70	7320	4685	0.64	1.75	7015	4490	0.64	1.82
30	24	8174	4250	0.52	1.67	7869	4092	0.52	1.77	7686	3997	0.52	1.82	7442	3870	0.52	1.91
30	26	8418	3367	0.40	1.77	8174	3270	0.40	1.86	8052	3221	0.40	1.91	7808	3123	0.40	1.97
31	18	7168	6594	0.92	1.47	6863	6314	0.92	1.55	6588	6061	0.92	1.62	6344	5836	0.92	1.69
31	20	7473	5978	0.80	1.55	7168	5734	0.80	1.64	6954	5563	0.80	1.67	6710	5368	0.80	1.75
31	22	7778	5289	0.68	1.60	7503	5102	0.68	1.70	7320	4978	0.68	1.75	7015	4770	0.68	1.82
31	24	8174	4577	0.56	1.67	7869	4407	0.56	1.77	7686	4304	0.56	1.82	7442	4168	0.56	1.91
31	26	8418	3704	0.44	1.77	8174	3597	0.44	1.86	8052	3543	0.44	1.91	7808	3436	0.44	1.97
32	18	7168	6881	0.96	1.47	6863	6588	0.96	1.55	6588	6324	0.96	1.62	6344	6090	0.96	1.69
32	20	7473	6277	0.84	1.55	7168	6021	0.84	1.64	6954	5841	0.84	1.67	6710	5636	0.84	1.75
32	22	7778	5600	0.72	1.60	7503	5402	0.72	1.70	7320	5270	0.72	1.75	7015	5051	0.72	1.82
32	24	8174	4904	0.60	1.67	7869	4721	0.60	1.77	7686	4612	0.60	1.82	7442	4465	0.60	1.91
32	26	8418	4041	0.48	1.77	8174	3924	0.48	1.86	8052	3865	0.48	1.91	7808	3748	0.48	1.97

NOTE C A :Capacity (W) SHC :Sensible heat capacity (W) DB : Dry-bulb temperature
P.C. :Power consumption (kW) SHF :Sensible heat factor WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MFZ-KT60VG: SUZ-M60VA

CAPACITY: 6.1 kW SHF: 0.70 INPUT: 184 W

Indoor intake air DB (°C)	Indoor intake air WB (°C)	Outdoor intake air DB (°C)											
		35				40				46			
		CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.	CA	SHC (W)	SHF	P.C.
21	18	5978	3109	0.52	1.80	5490	2855	0.52	1.91	5063	2633	0.52	1.99
21	20	6283	2513	0.40	1.88	5856	2342	0.40	1.97	5429	2172	0.40	2.08
22	18	5978	3348	0.56	1.80	5490	3074	0.56	1.91	5063	2835	0.56	1.99
22	20	6283	2765	0.44	1.88	5856	2577	0.44	1.97	5429	2389	0.44	2.08
22	22	6649	2128	0.32	1.95	6222	1991	0.32	2.06	5795	1854	0.32	2.13
23	18	5978	3587	0.60	1.80	5490	3294	0.60	1.91	5063	3038	0.60	1.99
23	20	6283	3016	0.48	1.88	5856	2811	0.48	1.97	5429	2606	0.48	2.08
23	22	6649	2394	0.36	1.95	6222	2240	0.36	2.06	5795	2086	0.36	2.13
24	18	5978	3826	0.64	1.80	5490	3514	0.64	1.91	5063	3240	0.64	1.99
24	20	6283	3267	0.52	1.88	5856	3045	0.52	1.97	5429	2823	0.52	2.08
24	22	6649	2660	0.40	1.95	6222	2489	0.40	2.06	5795	2318	0.40	2.13
24	24	7015	1964	0.28	2.02	6588	1845	0.28	2.12	6222	1742	0.28	2.21
25	20	6283	3518	0.56	1.88	5856	3279	0.56	1.97	5429	3040	0.56	2.08
25	22	6649	2926	0.44	1.95	6222	2738	0.44	2.06	5795	2550	0.44	2.13
25	24	7015	2245	0.32	2.02	6588	2108	0.32	2.12	6222	1991	0.32	2.21
26	18	5978	4304	0.72	1.80	5490	3953	0.72	1.91	5063	3645	0.72	1.99
26	20	6283	3770	0.60	1.88	5856	3514	0.60	1.97	5429	3257	0.60	2.08
26	22	6649	3192	0.48	1.95	6222	2987	0.48	2.06	5795	2782	0.48	2.13
26	24	7015	2525	0.36	2.02	6588	2372	0.36	2.12	6222	2240	0.36	2.21
26	26	7381	1771	0.24	2.10	6954	1669	0.24	2.19	6527	1566	0.24	2.28
27	18	5978	4543	0.76	1.80	5490	4172	0.76	1.91	5063	3848	0.76	1.99
27	20	6283	4021	0.64	1.88	5856	3748	0.64	1.97	5429	3475	0.64	2.08
27	22	6649	3457	0.52	1.95	6222	3235	0.52	2.06	5795	3013	0.52	2.13
27	24	7015	2806	0.40	2.02	6588	2635	0.40	2.12	6222	2489	0.40	2.21
27	26	7381	2067	0.28	2.10	6954	1947	0.28	2.19	6527	1828	0.28	2.28
28	18	5978	4782	0.80	1.80	5490	4392	0.80	1.91	5063	4050	0.80	1.99
28	20	6283	4272	0.68	1.88	5856	3982	0.68	1.97	5429	3692	0.68	2.08
28	22	6649	3723	0.56	1.95	6222	3484	0.56	2.06	5795	3245	0.56	2.13
28	24	7015	3087	0.44	2.02	6588	2899	0.44	2.12	6222	2738	0.44	2.21
28	26	7381	2362	0.32	2.10	6954	2225	0.32	2.19	6527	2089	0.32	2.28
29	18	5978	5022	0.84	1.80	5490	4612	0.84	1.91	5063	4253	0.84	1.99
29	20	6283	4524	0.72	1.88	5856	4216	0.72	1.97	5429	3909	0.72	2.08
29	22	6649	3989	0.60	1.95	6222	3733	0.60	2.06	5795	3477	0.60	2.13
29	24	7015	3367	0.48	2.02	6588	3162	0.48	2.12	6222	2987	0.48	2.21
29	26	7381	2657	0.36	2.10	6954	2503	0.36	2.19	6527	2350	0.36	2.28
30	18	5978	5261	0.88	1.80	5490	4831	0.88	1.91	5063	4455	0.88	1.99
30	20	6283	4775	0.76	1.88	5856	4451	0.76	1.97	5429	4126	0.76	2.08
30	22	6649	4255	0.64	1.95	6222	3982	0.64	2.06	5795	3709	0.64	2.13
30	24	7015	3648	0.52	2.02	6588	3426	0.52	2.12	6222	3235	0.52	2.21
30	26	7381	2952	0.40	2.10	6954	2782	0.40	2.19	6527	2611	0.40	2.28
31	18	5978	5500	0.92	1.80	5490	5051	0.92	1.91	5063	4658	0.92	1.99
31	20	6283	5026	0.80	1.88	5856	4685	0.80	1.97	5429	4343	0.80	2.08
31	22	6649	4521	0.68	1.95	6222	4231	0.68	2.06	5795	3941	0.68	2.13
31	24	7015	3928	0.56	2.02	6588	3689	0.56	2.12	6222	3484	0.56	2.21
31	26	7381	3248	0.44	2.10	6954	3060	0.44	2.19	6527	2872	0.44	2.28
32	18	5978	5739	0.96	1.80	5490	5270	0.96	1.91	5063	4860	0.96	1.99
32	20	6283	5278	0.84	1.88	5856	4919	0.84	1.97	5429	4560	0.84	2.08
32	22	6649	4787	0.72	1.95	6222	4480	0.72	2.06	5795	4172	0.72	2.13
32	24	7015	4209	0.60	2.02	6588	3953	0.60	2.12	6222	3733	0.60	2.21
32	26	7381	3543	0.48	2.10	6954	3338	0.48	2.19	6527	3133	0.48	2.28

NOTE C A :Capacity (W) SHC :Sensible heat capacity (W) DB : Dry-bulb temperature
P.C. :Power consumption (kW) SHF :Sensible heat factor WB : Wet-bulb temperature

PERFORMANCE DATA HEAT operation at Rated frequency

MFZ-KJ25VE2: MUFZ-KJ25VE MUFZ-KJ25VEHZ

CAPACITY: 3.4 kW INPUT: 770 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	2.14	501	2.58	601	3.03	678	3.47	732	3.91	778	4.32	801	4.76	816
21	2.04	539	2.45	639	2.89	708	3.30	762	3.74	801	4.15	824	4.57	855
26	1.84	578	2.28	678	2.69	747	3.13	801	3.57	839	3.98	862	4.42	886

MFZ-KJ35VE2: MUFZ-KJ35VE MUFZ-KJ35VEHZ

CAPACITY: 4.3 kW INPUT: 1100 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	2.71	715	3.27	858	3.83	968	4.39	1045	4.95	1111	5.46	1144	6.02	1166
21	2.58	770	3.10	913	3.66	1012	4.17	1089	4.73	1144	5.25	1177	5.78	1221
26	2.32	825	2.88	968	3.40	1067	3.96	1144	4.52	1199	5.03	1232	5.59	1265

MFZ-KJ50VE2: MUFZ-KJ50VE MUFZ-KJ50VEHZ

CAPACITY: 6.0 kW INPUT: 1610 W

INDOOR DB (°C)	OUTDOOR WB (°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	3.78	1047	4.56	1256	5.34	1417	6.12	1530	6.90	1626	7.62	1674	8.40	1707
21	3.60	1127	4.32	1336	5.10	1481	5.82	1594	6.60	1674	7.32	1723	8.07	1787
26	3.24	1208	4.02	1417	4.74	1562	5.52	1674	6.30	1755	7.02	1803	7.80	1852

NOTE: Q: Total capacity (kW) INPUT : Total power input (W) DB: Dry-bulb temperature WB: Wet-bulb temperature

PERFORMANCE DATA HEAT operation at Rated frequency

MFZ-KT25VG: SUZ-M25VA

CAPACITY: 3.4 kW INPUT: 91 W

Indoor intake air DB (°C)	Outdoor intake air WB (°C)													
	-10		-5		0		5		10		15		20	
	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
15	2142	0.59	2584	0.71	3026	0.80	3468	0.86	3910	0.92	4318	0.95	4760	0.96
21	2040	0.64	2448	0.76	2890	0.84	3298	0.90	3740	0.95	4148	0.97	4573	1.01
26	1836	0.68	2278	0.80	2686	0.88	3128	0.95	3570	0.99	3978	1.02	4420	1.05

MFZ-KT35VG: SUZ-M35VA

CAPACITY: 4.3 kW INPUT: 126 W

Indoor intake air DB (°C)	Outdoor intake air WB (°C)													
	-10		-5		0		5		10		15		20	
	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
15	2709	0.82	3268	0.98	3827	1.11	4386	1.20	4945	1.27	5461	1.31	6020	1.34
21	2580	0.88	3096	1.05	3655	1.16	4171	1.25	4730	1.31	5246	1.35	5784	1.40
26	2322	0.95	2881	1.11	3397	1.22	3956	1.31	4515	1.37	5031	1.41	5590	1.45

MFZ-KT50VG: SUZ-M50VA

CAPACITY: 6.0 kW INPUT: 186 W

Indoor intake air DB (°C)	Outdoor intake air WB (°C)													
	-10		-5		0		5		10		15		20	
	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
15	3780	1.21	4560	1.45	5340	1.64	6120	1.77	6900	1.88	7620	1.93	8400	1.97
21	3600	1.30	4320	1.54	5100	1.71	5820	1.84	6600	1.93	7320	1.99	8070	2.06
26	3240	1.40	4020	1.64	4740	1.80	5520	1.93	6300	2.03	7020	2.08	7800	2.14

MFZ-KT60VG: SUZ-M60VA

CAPACITY: 7.0 kW INPUT: 218 W

Indoor intake air DB (°C)	Outdoor intake air WB (°C)													
	-10		-5		0		5		10		15		20	
	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
15	4410	1.42	5320	1.70	6230	1.92	7140	2.07	8050	2.20	8890	2.27	9800	2.31
21	4200	1.53	5040	1.81	5950	2.01	6790	2.16	7700	2.27	8540	2.33	9415	2.42
26	3780	1.64	4690	1.92	5530	2.11	6440	2.27	7350	2.38	8190	2.44	9100	2.51

NOTE: CA :Capacity (W) P.C. :Power consumption (kW) DB: Dry-bulb temperature WB: Wet-bulb temperature

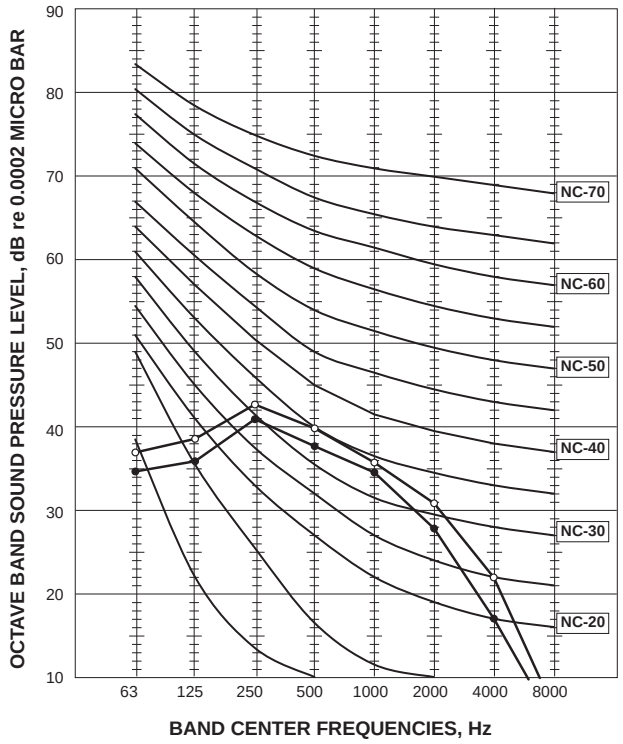
C.2.7 NOISE CRITERIA CURVES

C.2.7.1 Inverter Heat Pump

MFZ-KJ25VE2

INDOOR UNIT

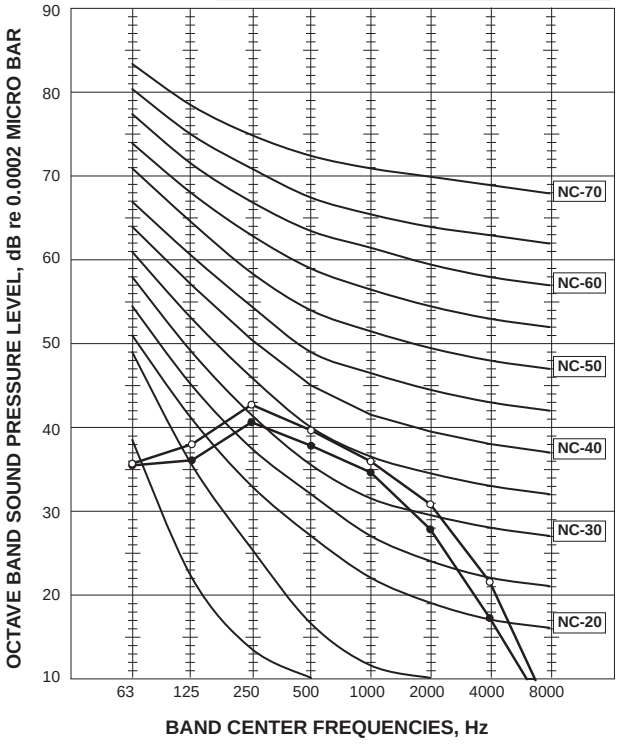
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	39	●—●
	HEATING	41	○—○



MFZ-KJ35VE2

INDOOR UNIT

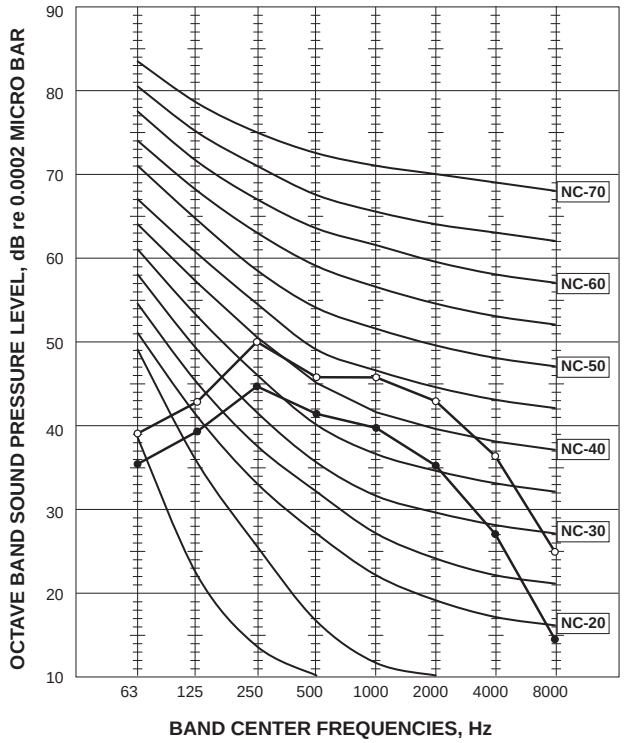
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	39	●—●
	HEATING	41	○—○



MFZ-KJ50VE2

INDOOR UNIT

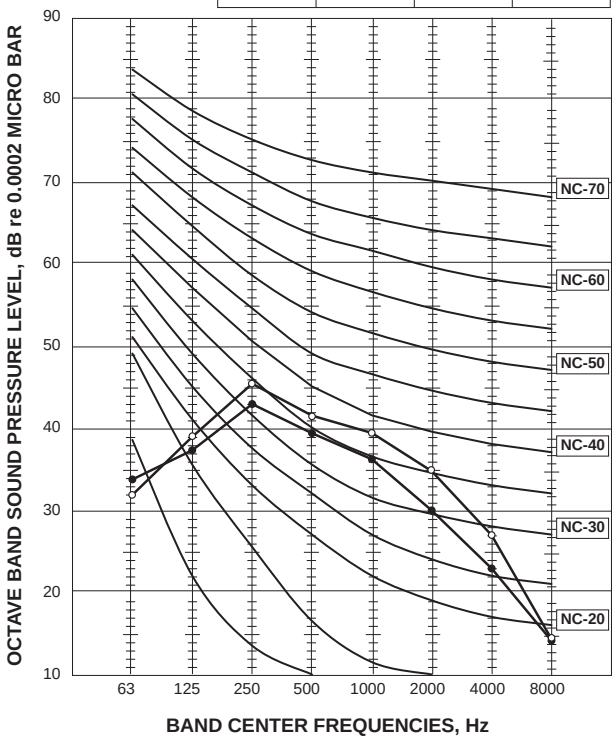
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	44	●—●
	HEATING	50	○—○



MFZ-KT25VG

INDOOR UNIT

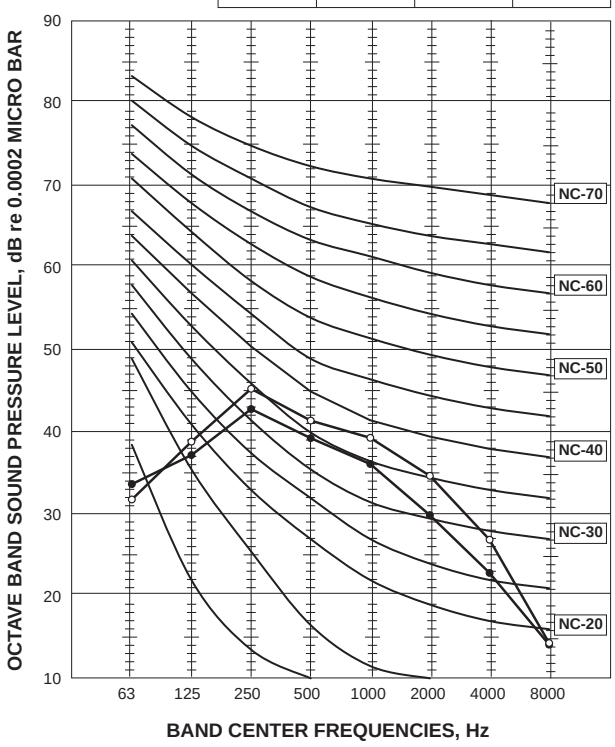
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	41	●—●
	HEATING	44	○—○



MFZ-KT35VG

INDOOR UNIT

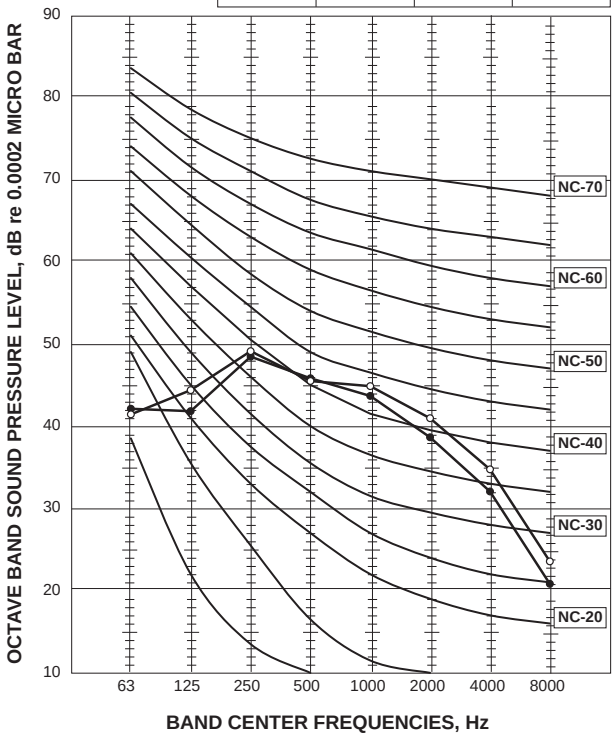
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	41	●—●
	HEATING	44	○—○



MFZ-KT50VG

INDOOR UNIT

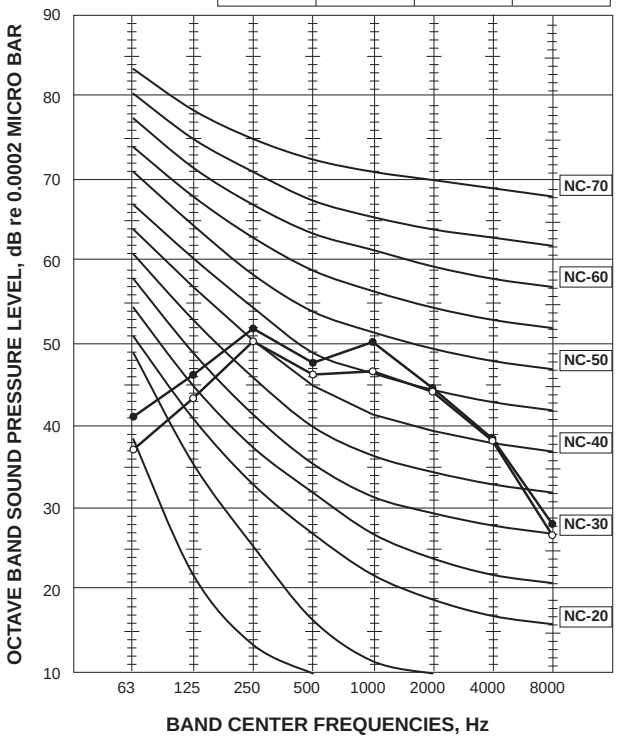
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	48	●—●
	HEATING	49	○—○



MFZ-KT60VG

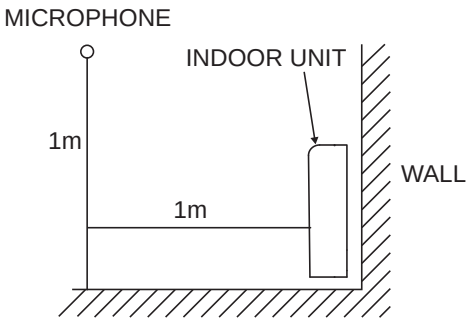
INDOOR UNIT

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
Super High	COOLING	53	●—●
	HEATING	51	○—○



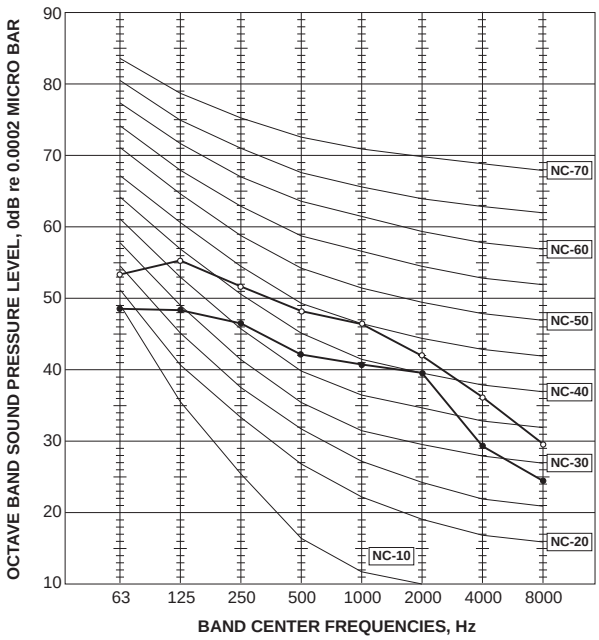
Test conditions

Cooling : Dry-bulb temperature 27 °C Wet-bulb temperature 19 °C
Heating : Dry-bulb temperature 20 °C



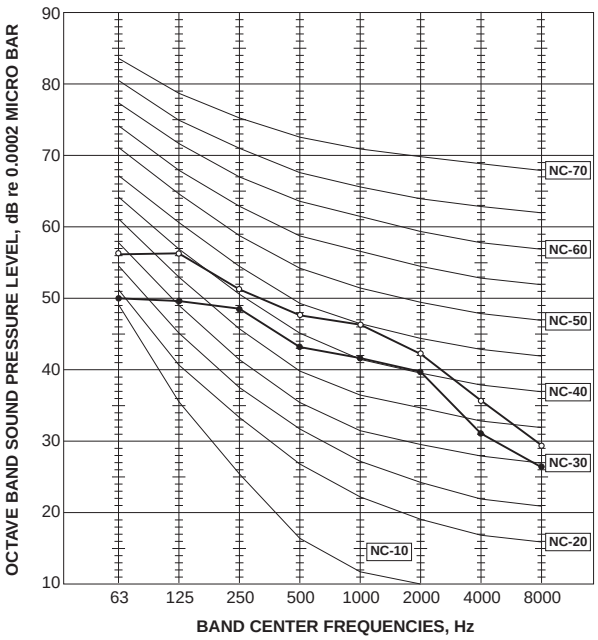
MUFZ-KJ25VE MUFZ-KJ25VEHZ
OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	46	●—●
HEATING	51	○—○



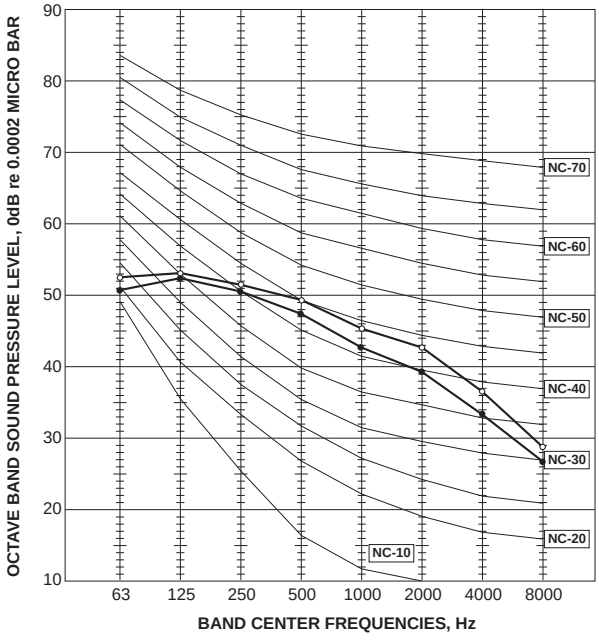
MUFZ-KJ35VE MUFZ-KJ35VEHZ
OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	47	●—●
HEATING	51	○—○

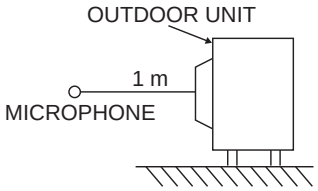


MUFZ-KJ50VE MUFZ-KJ50VEHZ
OUTDOOR UNIT

FUNCTION	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



Test conditions
Cooling: Dry-bulb temperature 35°C
Heating: Dry-bulb temperature 7°C Wet-bulb temperature 6°C



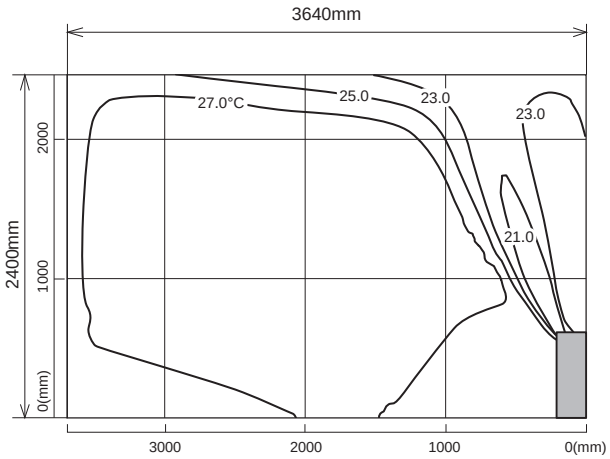
C.2.8 TEMPERATURE AND AIR FLOW DISTRIBUTIONS

MFZ-KJ25VE2

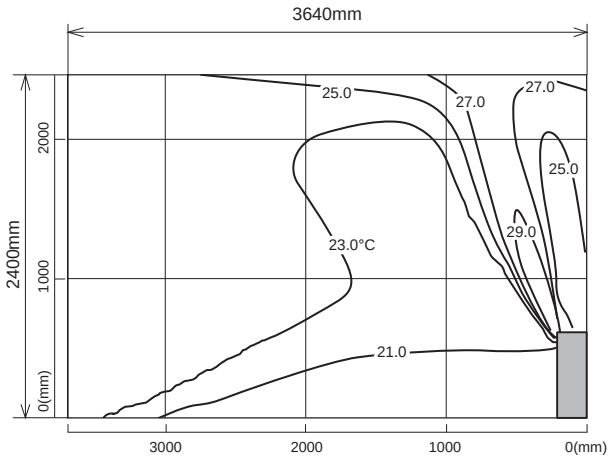
Standard installation (One-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto

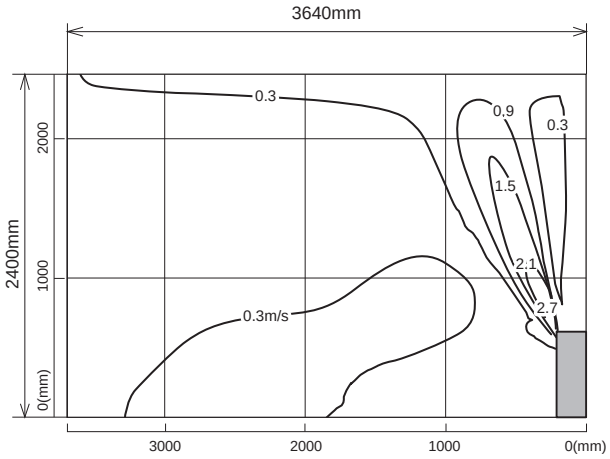


<Heating mode>
Air volume: super high
Air direction: auto

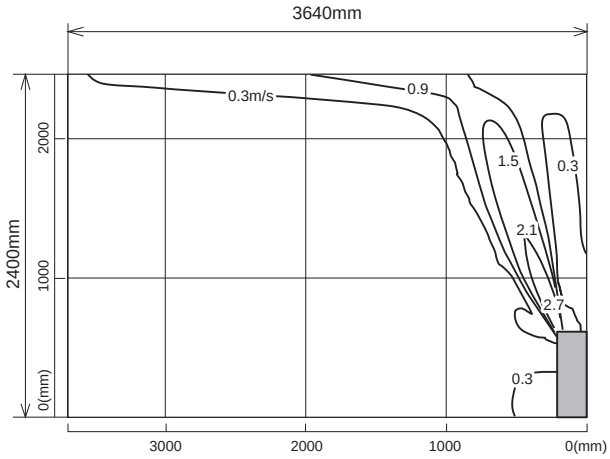


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto



<Heating mode>
Air volume: super high
Air direction: auto



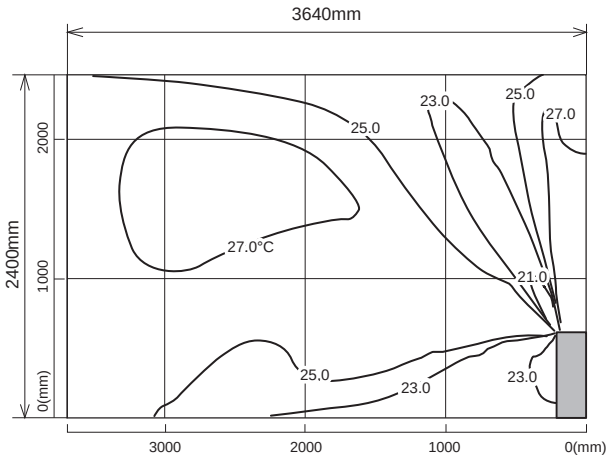
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MFZ-KJ25VE2

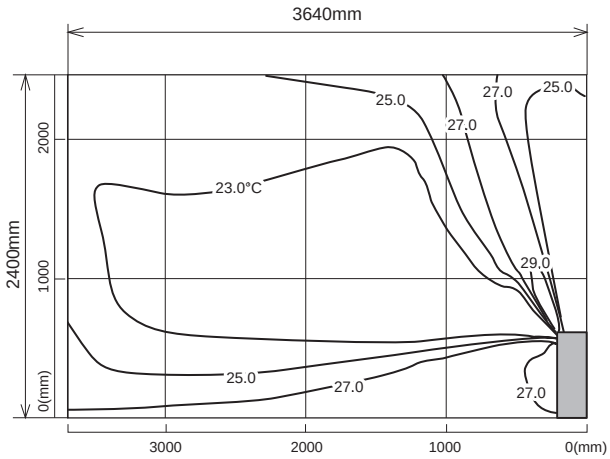
Standard installation (Two-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto

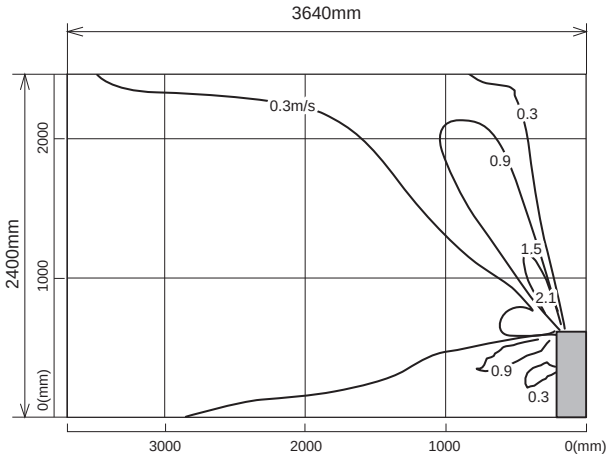


<Heating mode>
Air volume: super high
Air direction: auto

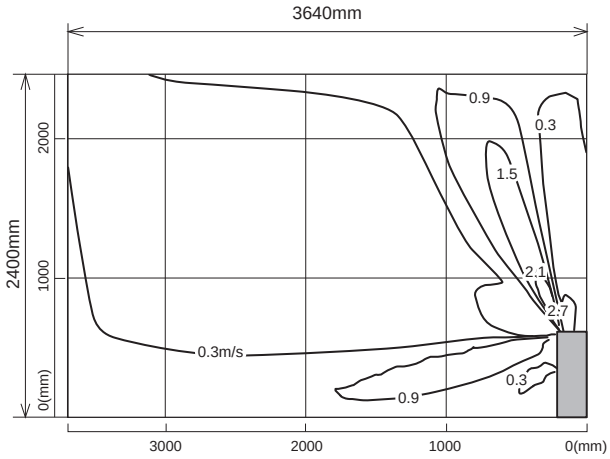


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto



<Heating mode>
Air volume: super high
Air direction: auto



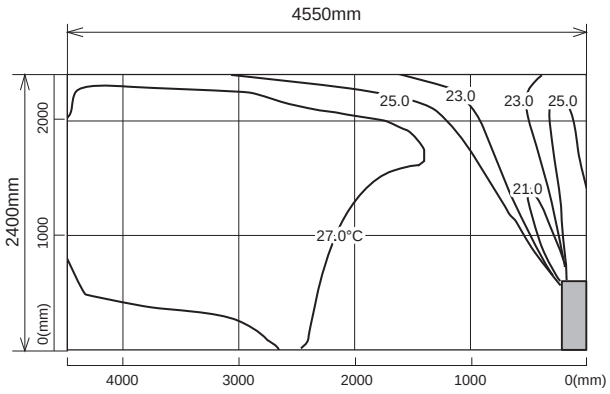
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MFZ-KJ35VE2

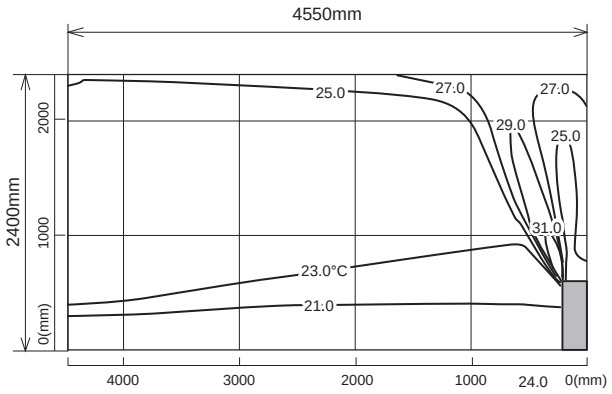
Standard installation (One-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto

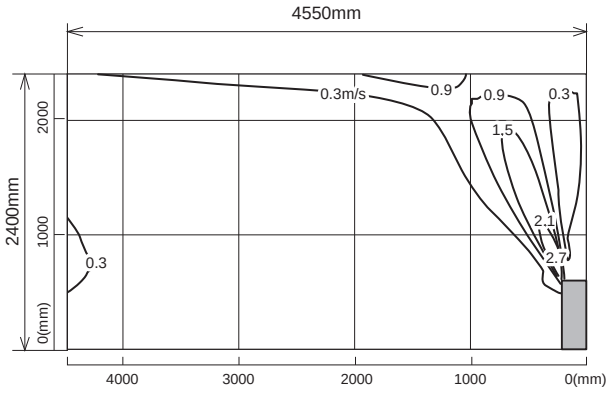


<Heating mode>
Air volume: super high
Air direction: auto

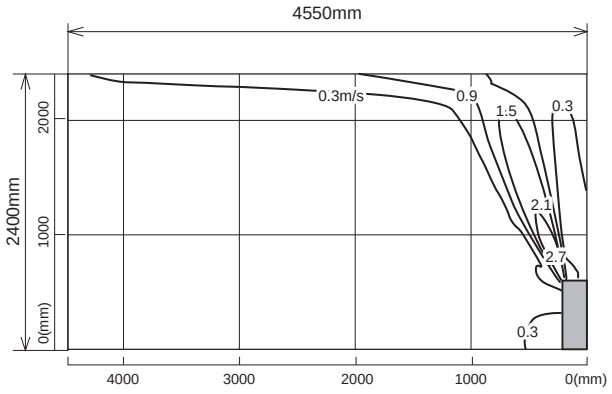


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto



<Heating mode>
Air volume: super high
Air direction: auto



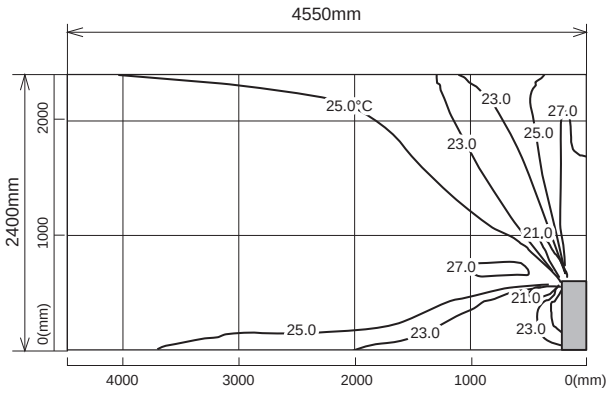
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MFZ-KJ35VE2

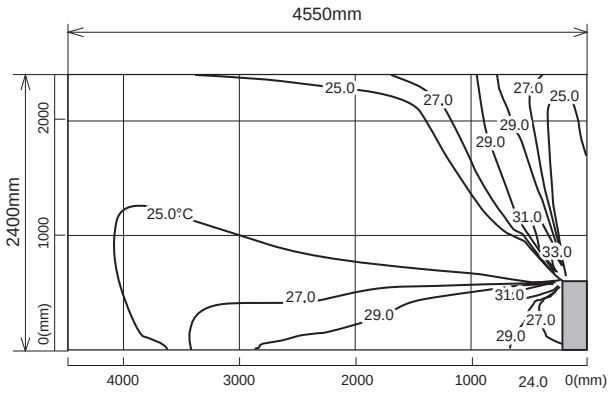
Standard installation (Two-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto

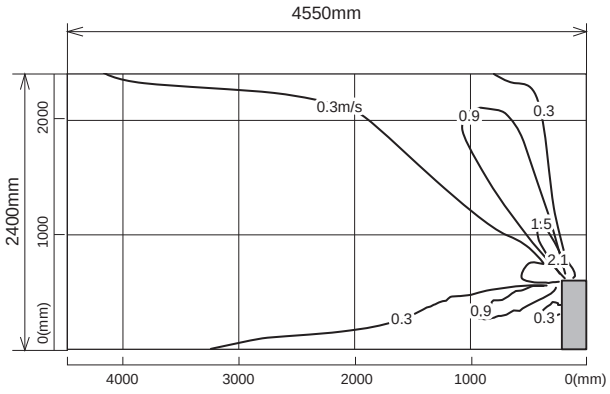


<Heating mode>
Air volume: super high
Air direction: auto

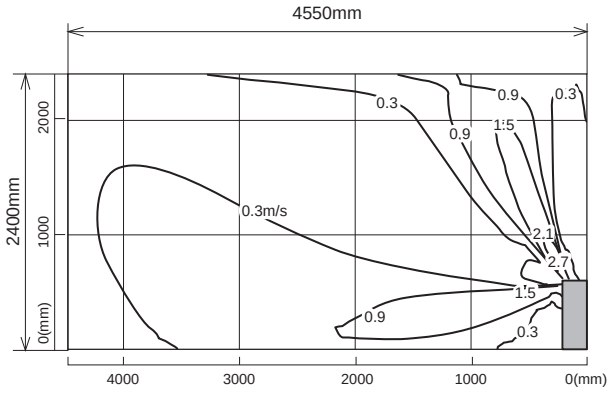


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto



<Heating mode>
Air volume: super high
Air direction: auto



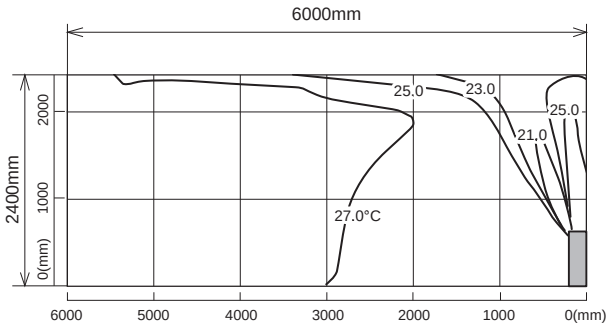
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MFZ-KJ50VE2

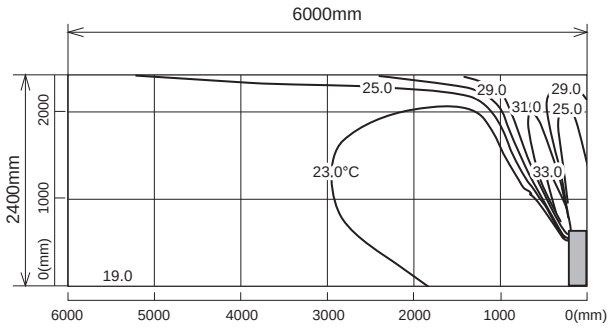
Standard installation (One-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto

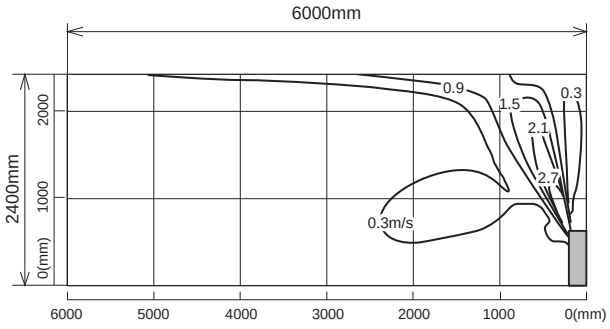


<Heating mode>
Air volume: super high
Air direction: auto

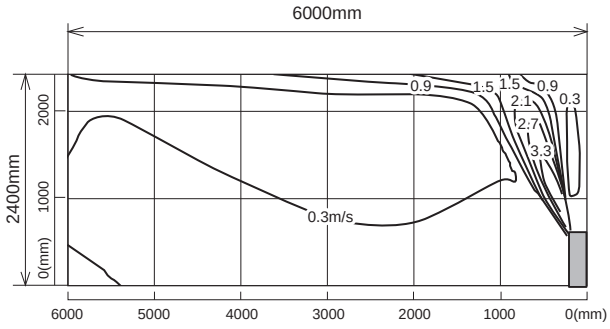


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto



<Heating mode>
Air volume: super high
Air direction: auto



Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

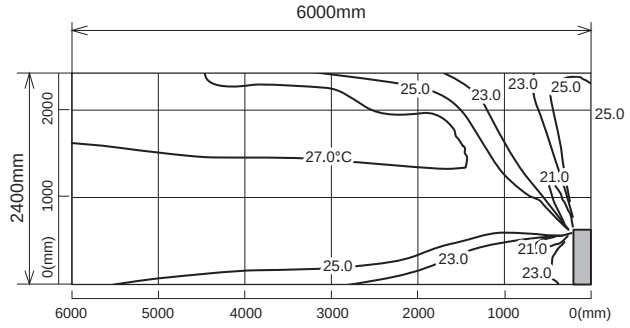
MFZ-KJ50VE2

Standard installation (Two-direction air flow)

Temperature distribution

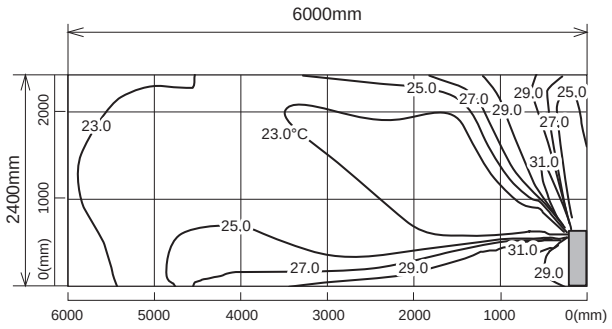
<Cooling mode>

Air volume: super high
Air direction: auto



<Heating mode>

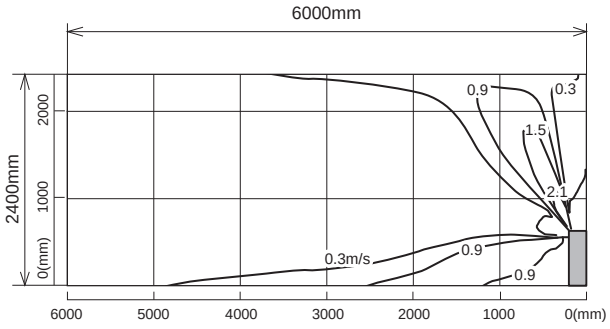
Air volume: super high
Air direction: auto



Airflow distribution

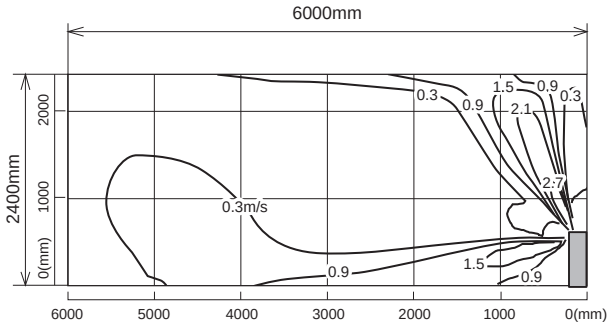
<Cooling mode>

Air volume: super high
Air direction: auto



<Heating mode>

Air volume: super high
Air direction: auto



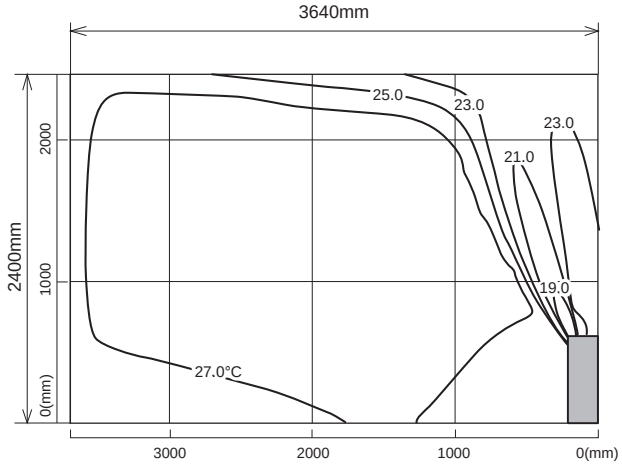
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MFZ- KT25VG

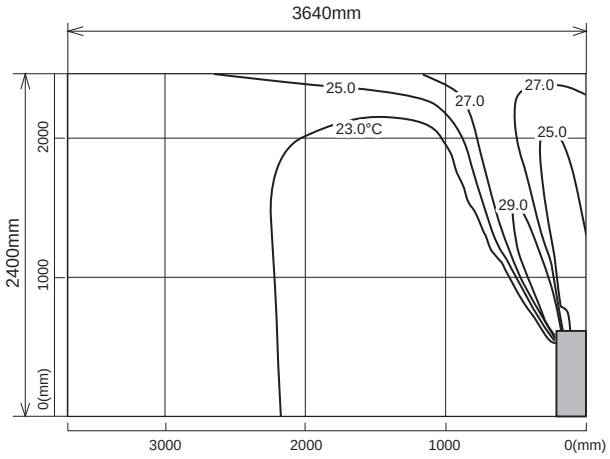
Standard installation (One-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto

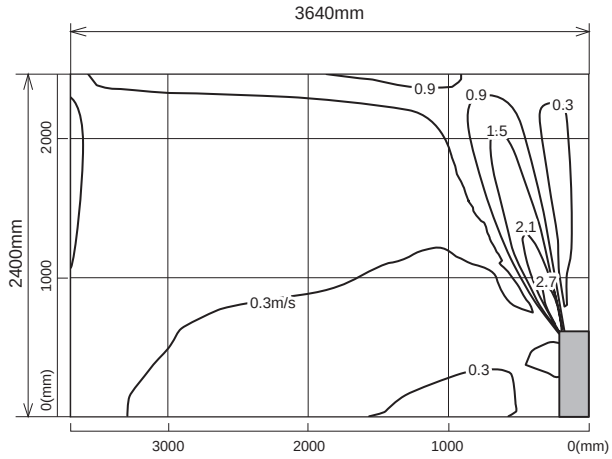


<Heating mode>
Air volume: super high
Air direction: auto

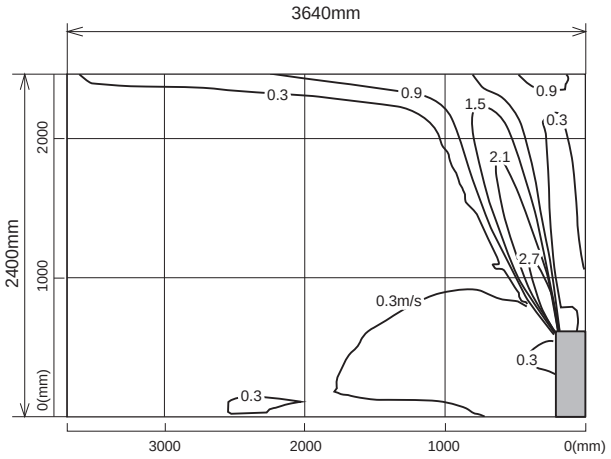


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto



<Heating mode>
Air volume: super high
Air direction: auto



Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

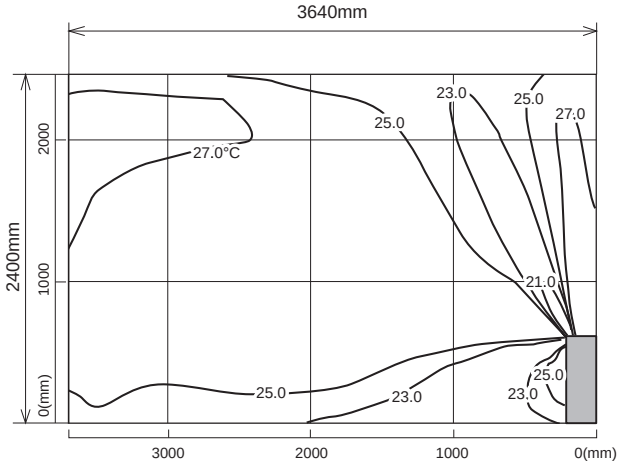
MFZ- KT25VG

Standard installation (Two-direction air flow)

Temperature distribution

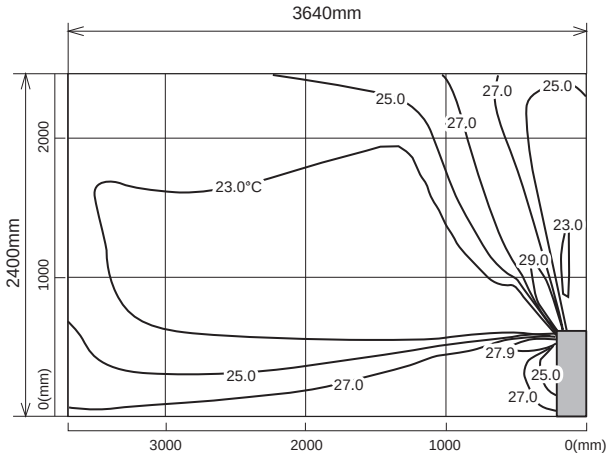
<Cooling mode>

Air volume: super high
Air direction: auto



<Heating mode>

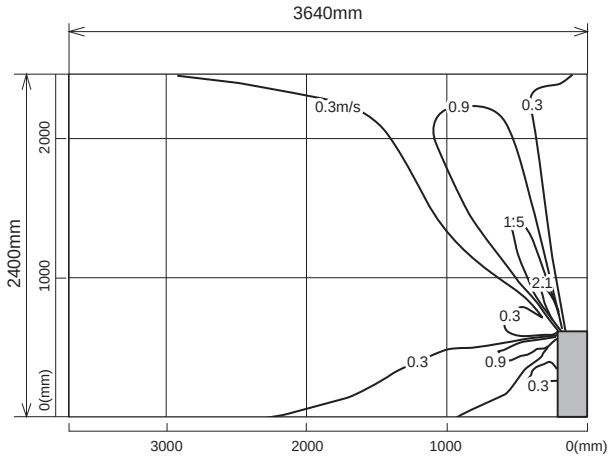
Air volume: super high
Air direction: auto



Airflow distribution

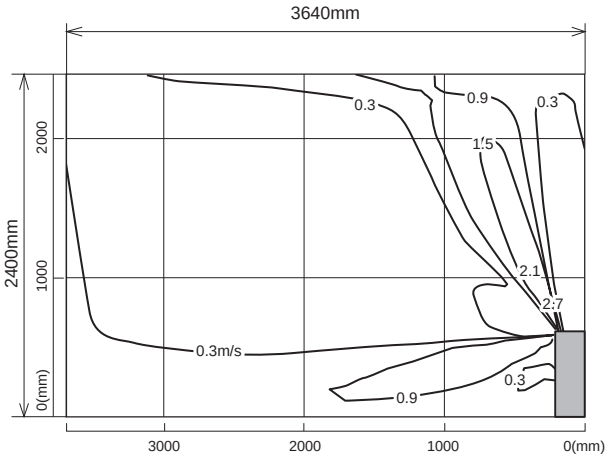
<Cooling mode>

Air volume: super high
Air direction: auto



<Heating mode>

Air volume: super high
Air direction: auto



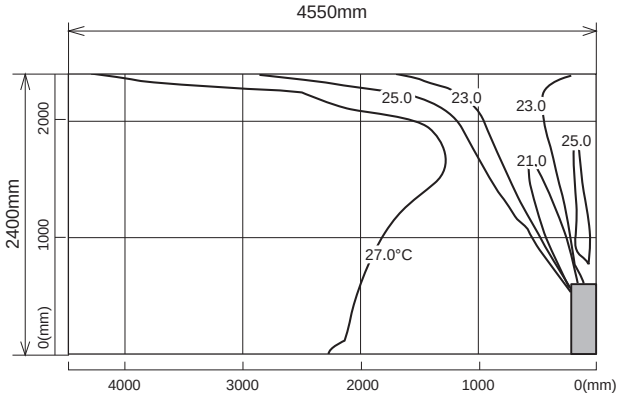
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MFZ- KT35VG

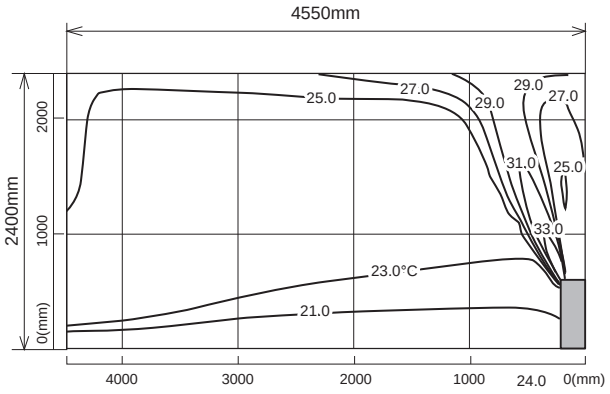
Standard installation (One-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto

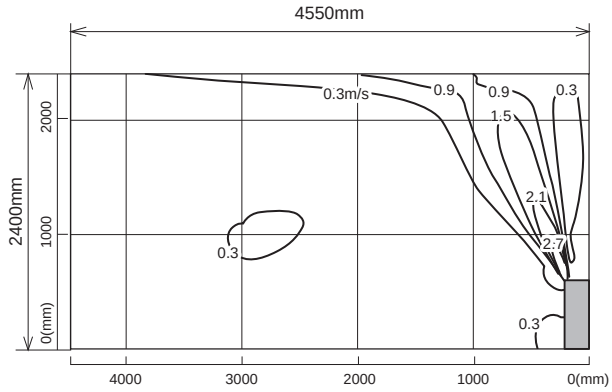


<Heating mode>
Air volume: super high
Air direction: auto

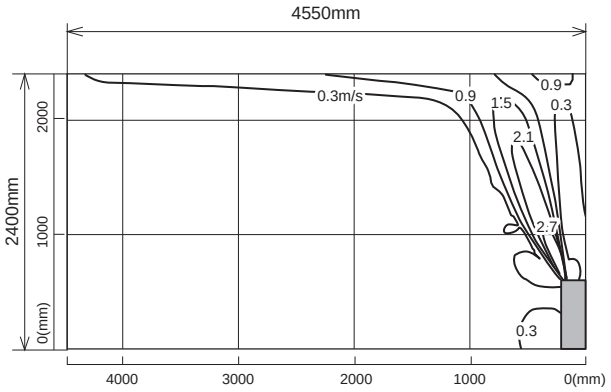


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto



<Heating mode>
Air volume: super high
Air direction: auto



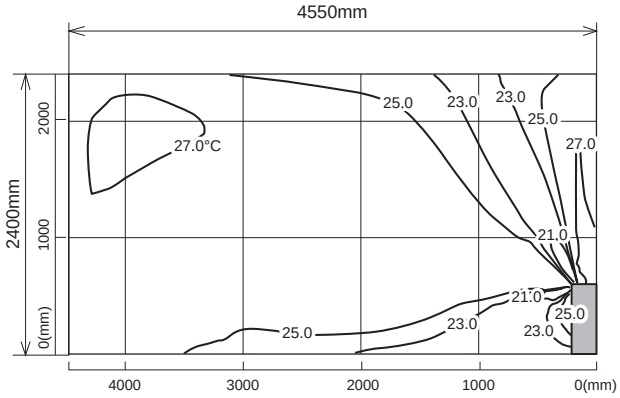
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MFZ- KT35VG

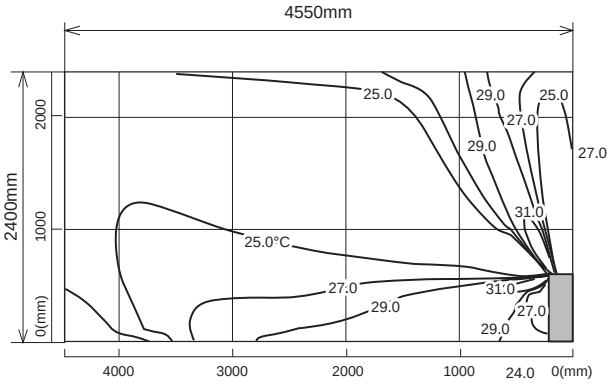
Standard installation (Two-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto

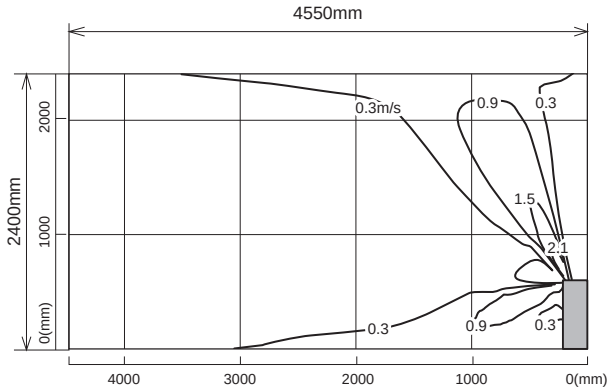


<Heating mode>
Air volume: super high
Air direction: auto

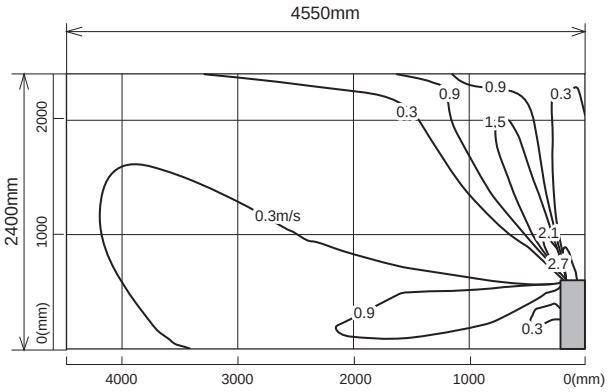


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto



<Heating mode>
Air volume: super high
Air direction: auto



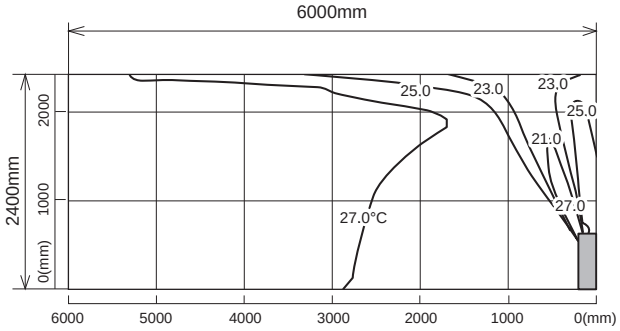
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MFZ- KT50VG

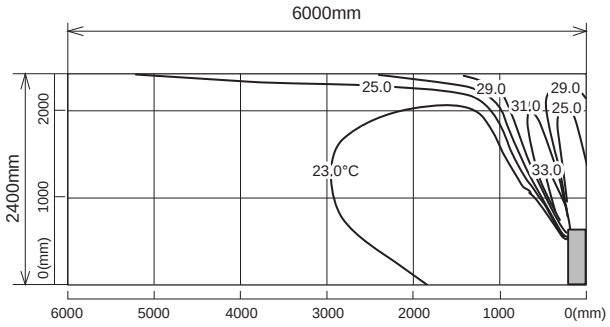
Standard installation (One-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto

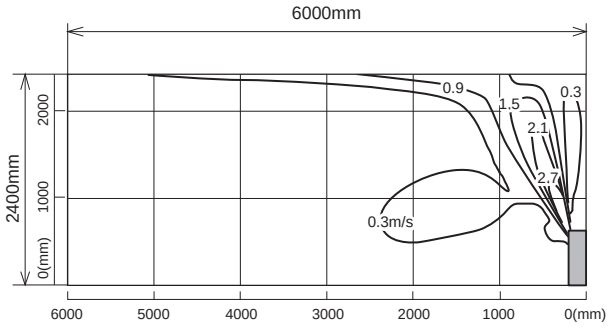


<Heating mode>
Air volume: super high
Air direction: auto

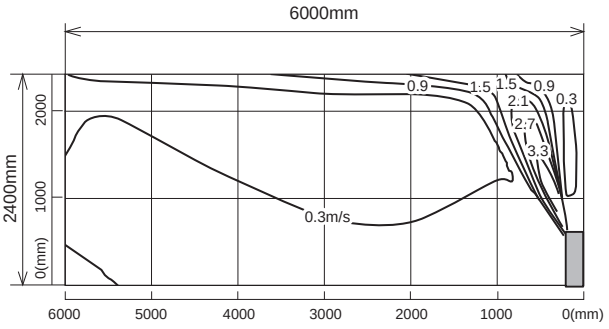


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto



<Heating mode>
Air volume: super high
Air direction: auto



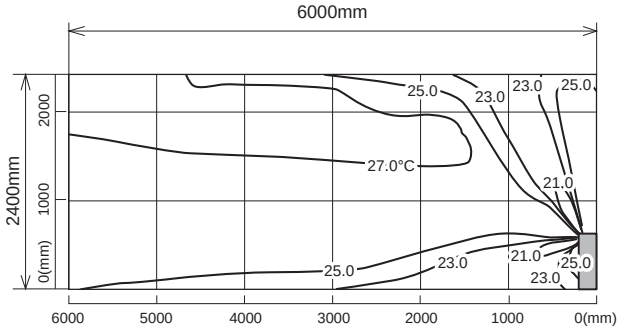
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MFZ- KT50VG

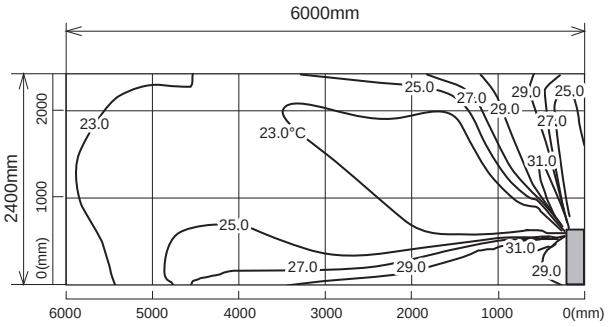
Standard installation (Two-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto

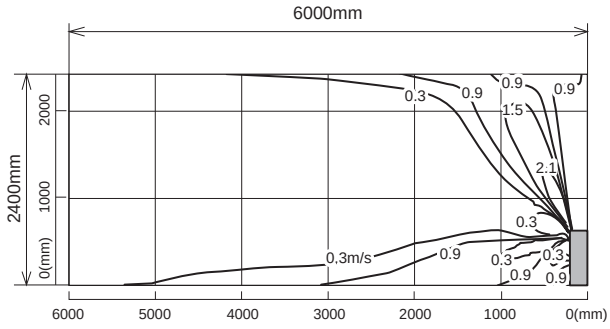


<Heating mode>
Air volume: super high
Air direction: auto

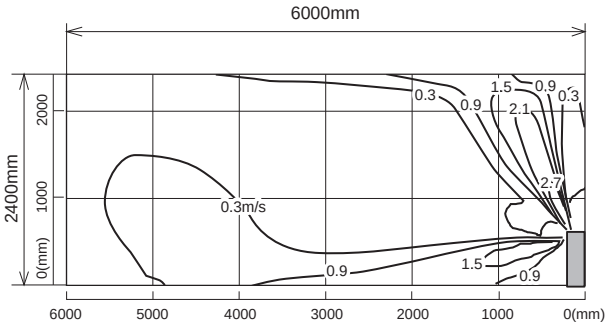


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto



<Heating mode>
Air volume: super high
Air direction: auto



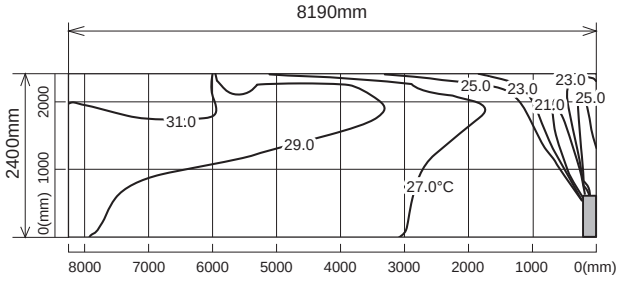
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MFZ- KT60VG

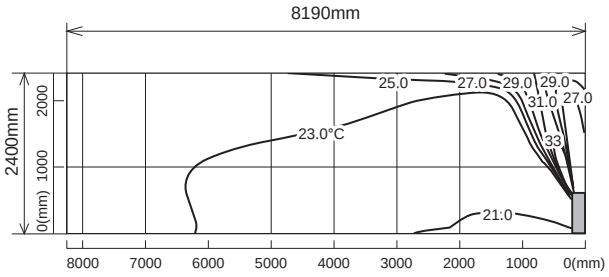
Standard installation (One-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto

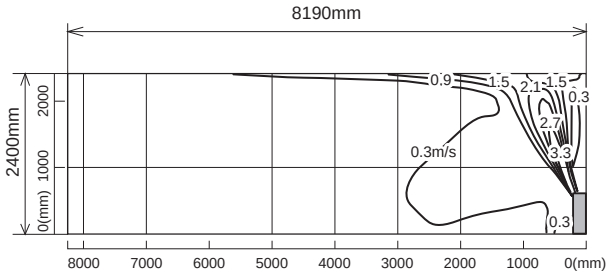


<Heating mode>
Air volume: super high
Air direction: auto

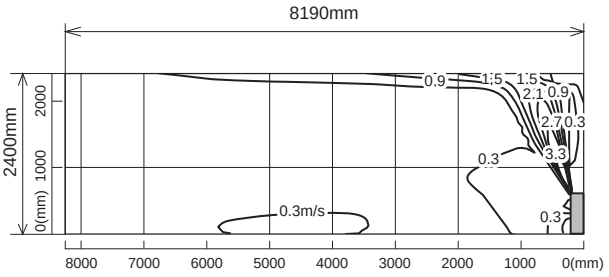


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto



<Heating mode>
Air volume: super high
Air direction: auto



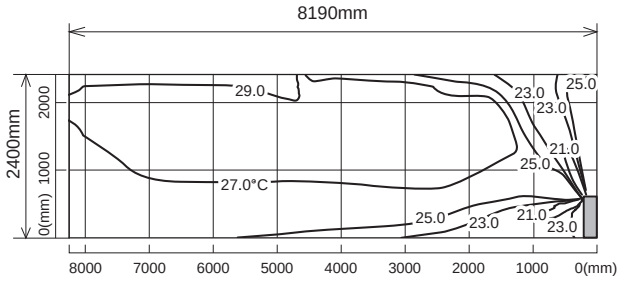
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

MFZ- KT60VG

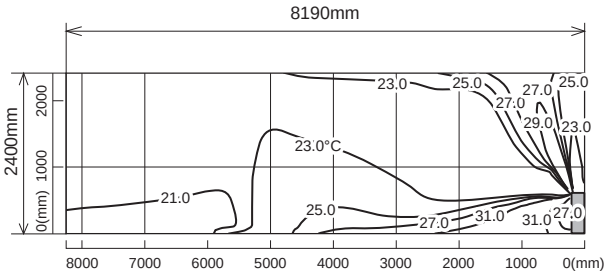
Standard installation (Two-direction air flow)

Temperature distribution

<Cooling mode>
Air volume: super high
Air direction: auto

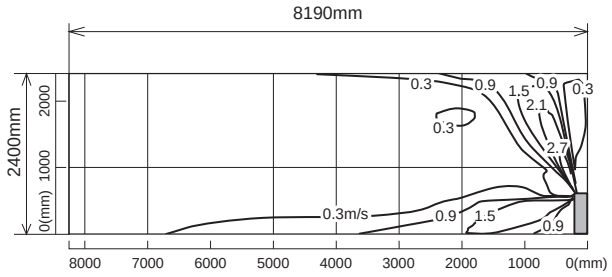


<Heating mode>
Air volume: super high
Air direction: auto

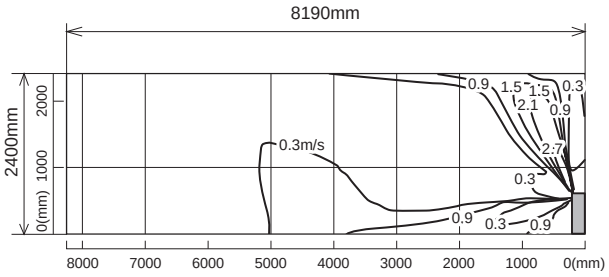


Airflow distribution

<Cooling mode>
Air volume: super high
Air direction: auto



<Heating mode>
Air volume: super high
Air direction: auto



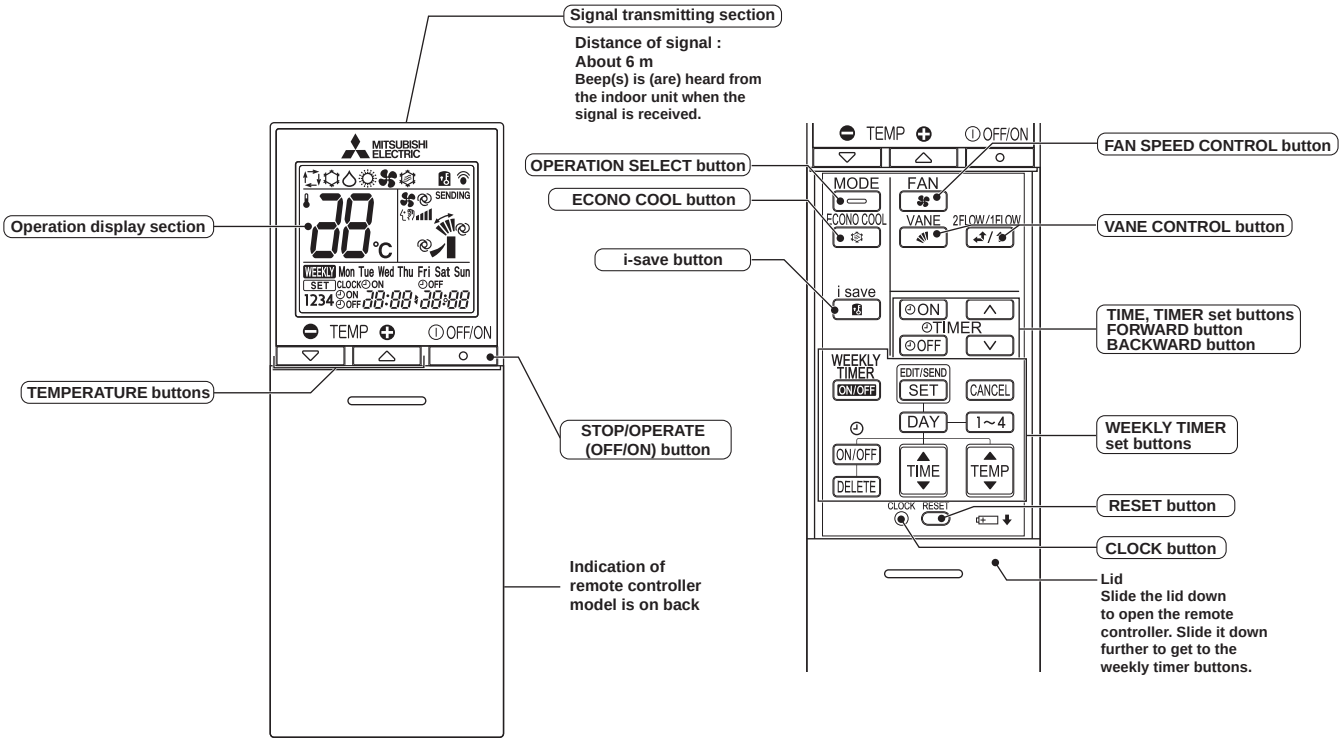
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

C.2.9 OPERATION AND ACTUATOR CONTROL

C.2.9.1 MFZ-KJ•VE2 Series

MFZ-KJ25VE2 MFZ-KJ35VE2 MFZ-KJ50VE2

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 2°C or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 1 to 2°C from set temperature
☀ ☼	Standby mode (only during multi system operation)	—

☀ Lighted
☼ Blinking
○ Not lighted

a. COOL (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 16 - 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation

When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

3. Indoor fan speed control

When the thermostat turns OFF, the indoor fan operates at the setting fan speed.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention
Coil frost prevention works the same way as that in COOL mode. (a.1.)

2. Low outside temperature operation
Low outside temperature operation works the same way as that in COOL mode. (a.2.)

3. Indoor fan speed control
Indoor fan speed control works the same way as that in COOL mode. (a.3.)
However in AUTO setting, the fan speed changes.

c. FAN (🌀) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select FAN mode with OPERATION SELECT button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates.
Outdoor unit does not operate.
NOTE: Temperature cannot be set during FAN mode.

d. HEAT (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 16 - 31°C.

1. Cold air prevention control
When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection
The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting
Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor re-starts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

e. AUTO CHANGE OVER ··· AUTO MODE OPERATION

Once desired temperature is set, unit operation is switched automatically between COOL and HEAT operation.

1. Mode selection

(1) Initial mode
At first indoor unit operates only indoor fan with outdoor unit OFF for 3 minutes to detect present room temperature.
Following the conditions below, operation mode is selected.
① If the room temperature thermistor RT11 reads more than set temperature, COOL mode is selected.
② If the room temperature thermistor RT11 reads set temperature or less, HEAT mode is selected.
(2) Mode change
In case of the following conditions the operation mode is changed.
① COOL mode changes to HEAT mode when 15 minuets have passed with the room temperature 2 degrees below the set temperature.
② HEAT mode changes to COOL mode when 15 minuets have passed with the room temperature 2 degrees below the set temperature.

In the other cases than the above conditions, the present operation mode is continued.

NOTE 1: Mode selection is performed when multi standby (refer to **NOTE 2**) is released and the unit starts operation with ON-timer.
NOTE 2: If 2 or more indoor units are operating in multi system, there might be a case that the indoor unit, which is operating in AUTO (⇄), cannot change over the other operating mode (COOL ↔ HEAT) and becomes a state of standby.
NOTE 3: At the beginning of AUTO mode, the air flow direction and the fan speed are set to AUTO and the air outlet selection is set to 2 FLOW.

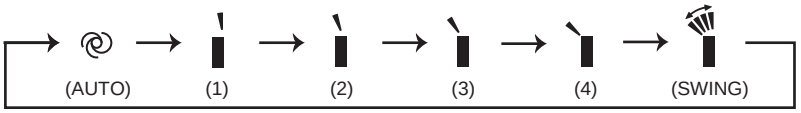
f. AUTO VANE OPERATION

1. Horizontal vane (Horizontal vane/Multi-flow vane)

(1) Vane motor drive

These models are equipped with a stepping motors for the horizontal vanes. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL (VANE) button.



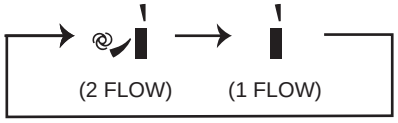
(3) Positioning

The vane presses the vane stopper once to confirm the standard position and then moves to the set angle.
Confirming of standard position is performed in case of follows.

(a) The power supply turns on.
(b) The operation starts or finishes (including timer operation).
(c) The test run starts.
(d) The multi-standby starts or finishes.
(e) Every time the vane has swung more than the specified numbers of times.
(f) The horizontal vane automatically moves in certain intervals to determine its position, and then it returns to set position.
(g) The vane operates for the dew prevention.

(4) Air outlet selection

The air outlet(s) can be selected by pressing to VANE CONTROL (2FLOW/1FLOW) button.
When 2 FLOW is selected, air blows from the top and the front of the unit. When 1 FLOW is selected, air blows only from the top of the unit.



The multi-flow vane is automatically set to the appropriate position.
In HEAT, the multi-flow vane automatically changes its position according to the indoor fan speed.
Even if 2 FLOW is selected, air will blow only from the top of the unit in the following conditions:

- During COOL/DRY: The room temperature is close to set temperature.
  The air conditioner has operated for 0.5 to 1 hour.
- During HEAT: The air flow temperature is low. (During defrosting operation, start of operation, etc.)

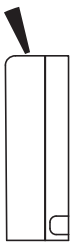
NOTE:
Movement at the start of the 2 FLOW operation

- COOL/DRY, HEAT: It takes 0.5 to 1 minute to start the 2 FLOW operation.
- HEAT: When cold air blows out from the air outlet, the multi-flow vane may stop moving for up to 10 minutes to make and blow out warm air.

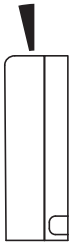
(5) VANE AUTO (@) mode

In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

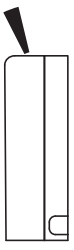
In COOL, DRY and FAN operation
2 FLOW: Vane angle is fixed to position 2.



1 FLOW: Vane angle is fixed to position 1.



In HEAT operation
2 FLOW: Vane angle is fixed to position 2.



1 FLOW: Vane angle is fixed to position 3.

(6) STOP (operation OFF) and ON TIMER standby
In the following cases, the horizontal vane returns to the closed position.
(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(7) Dew prevention
During COOL or DRY operation with the vane angle at Angle 3 or 4 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 1 for dew prevention.

(8) SWING ( ) mode
By selecting SWING mode with VANE CONTROL button, the horizontal vanes swing vertically.
The remote controller displays " ". SWING mode is cancelled when VANE CONTROL button is pressed once again.

(9) Cold air prevention in HEAT operation
The horizontal vane position is set to Upward.

(10) ECONO COOL ( ) operation (ECONOmical operation)
When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 2°C higher by the microprocessor. However, the temperature on the LCD screen on the remote controller is not changed. Also the horizontal vane swings in various cycle.
SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.
To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, VANE CONTROL button.

g. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.

NOTE: Timer operation will not work without setting the current time. Initially “0:00” blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK button.

How to set the current time

(a) Press the CLOCK button.
(b) Press the TIME SET buttons (and) to set the current time.
- Each time FORWARD button ( ) is pressed, the set time increases by 1 minute, and each time BACKWARD button ( ) is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK set button.

(2) Press STOP/OPERATE (OFF/ON) button to start the air conditioner.

(3) Set the time of timer.

ON timer setting

(a) Press ON TIMER button( ) during operation.
(b) Set the time of the timer using TIME SET buttons (and). ※

OFF timer setting

(a) Press OFF TIMER button ( ) during operation.
(b) Set the time of the timer using TIME SET buttons (and). ※

※ Each time FORWARD button ( ) is pressed, the set time increases by 10 minutes: each time BACKWARD button ( ) is pressed, the set time decreases by 10 minutes.

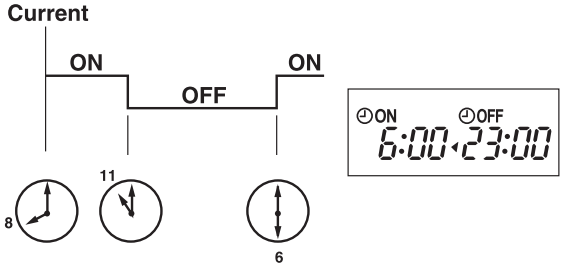
2. To release the timer

To release ON timer, press ON TIMER button ( ).
To release OFF timer, press OFF TIMER button( ).
TIMER is cancelled and the display of set time disappears.

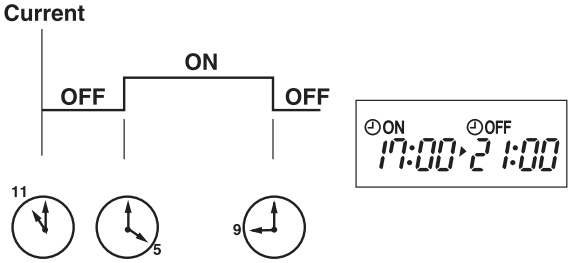
PROGRAM TIMER

- OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
- “◀” and “▶” display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns off at 11:00 PM, and on at 6:00 AM.



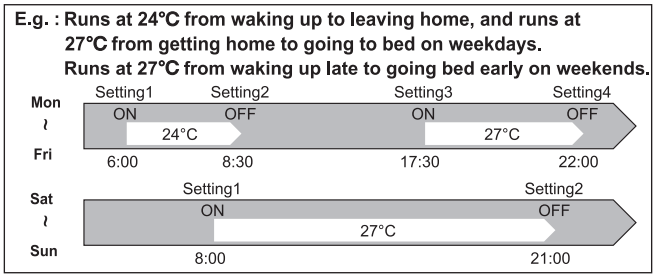
(Example 2) The current time is 11:00 AM.
The unit turns on at 5:00 PM, and off at 9:00 PM.



NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

h. WEEKLY TIMER OPERATION

- A maximum of 4 ON or OFF timers can be set for individual days of the week.
- A maximum of 28 ON or OFF timers can be set for a week.



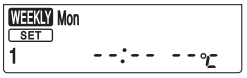
NOTE:

- The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.
- When the weekly timer is set, temperature cannot be set to 10°C.
- The weekly timer operation and i-save operation cannot be used together.

1. How to set the weekly timer

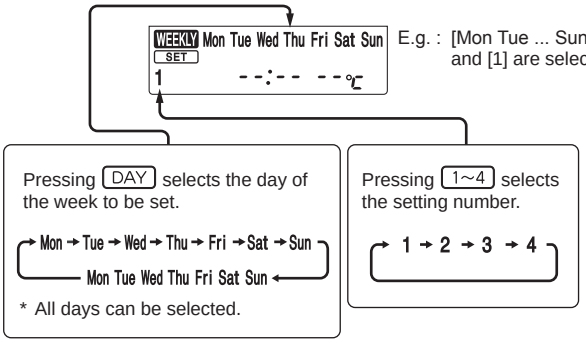
* Make sure that the current time and day are set correctly.

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

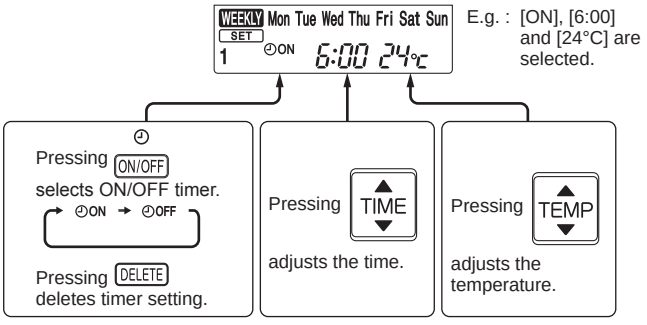


* SET blinks.

(2) Press DAY and 1~4 buttons to select setting day and number.



(3) Press ON/OFF , TIME , and TEMP buttons to set ON/OFF, time, and temperature.



* Hold down the button to change the time quickly.

* The temperature can be set between 16 °C and 31 °C at weekly timer.

Press DAY and 1~4 buttons to continue setting the timer for other days and/or numbers.

(4) Press EDIT/SEND SET button to complete and transmit the weekly timer setting.

* SET which was blinking goes out, and the current time will be displayed.

NOTE:

•Press EDIT/SEND SET button to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.

•When setting the timer for more than one day of the week or one number, EDIT/SEND SET button does not have to be pressed per each setting. Press EDIT/SEND SET button once after all the settings are complete. All the weekly timer settings will be saved.

•Press EDIT/SEND SET button to enter the weekly timer setting mode, and press and hold DELETE button for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

(5) Press WEEKLY TIMER ON/OFF button to turn the weekly timer ON. (WEEKLY lights.)

•When the weekly timer is ON, the day of the week whose timer setting is complete, will light.

Press WEEKLY TIMER ON/OFF button again to turn the weekly timer OFF. (WEEKLY goes out.)

NOTE:

The saved settings will not be cleared when the weekly timer is turned OFF.

2. Checking weekly timer setting

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

*SET blinks.

(2) Press DAY or 1~4 buttons to view the setting of the particular day or number.

(3) Press CANCEL button to exit the weekly timer setting.

i. i-save ( ) OPERATION

1. How to set i-save operation

(1) Press STOP/OPERATE (OFF/ON) button.
(2) Select COOL or HEAT mode.
(3) Press i-save button.
(4) Set the temperature, fan speed, airflow direction, and 2 FLOW/1 FLOW for i-save operation.

NOTE:

• i-save operation cannot be selected during DRY, FAN or AUTO mode operation.
• The setting range of HEAT mode i-save operation is 10°C and 16 - 31°C.
• 2 groups of setting can be saved. (One for COOL, one for HEAT)
• i-save operation and the weekly timer operation cannot be used together.

2. How to cancel operation

• Press i-save button again.
• i-save operation can also be cancelled by pressing OPERATION SELECT button to change the operation mode.

The same setting is selected from the next time by simply pressing i-save button.

j. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up. The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work. In COOL MODE, the air outlet selection is set to 2 FLOW during the test run operation.

After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C. The fan speed shifts to Medium.

The coil frost prevention works even in the test run or the emergency operation.

In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.

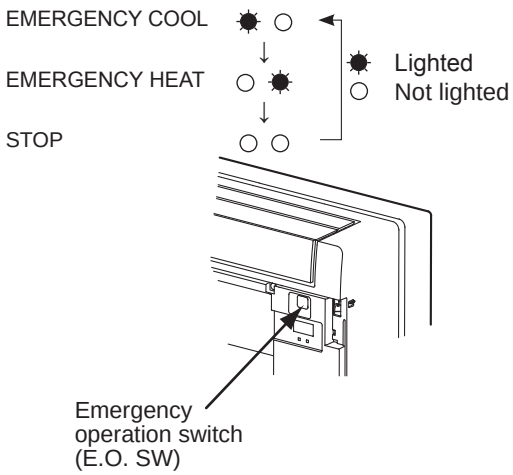
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

NOTE: Do not press EMERGENCY OPERATION switch during normal operation.

Operation mode	COOL/HEAT
Set temperature	24°C
Fan speed	Medium
Horizontal vane	Auto
Air outlet	2 FLOW

The operation mode is indicated by the Operation Indicator lamp as following

Operation Indicator lamp



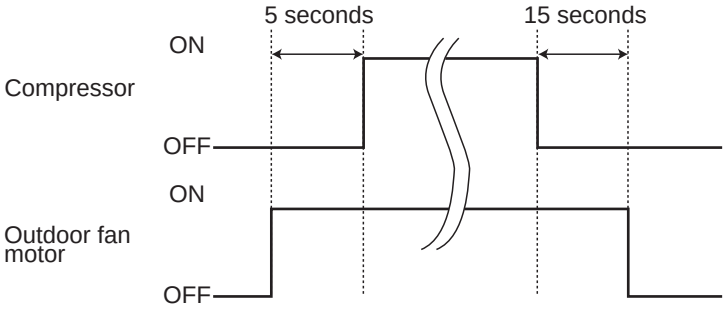
k. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

I. ACTUATOR CONTROL

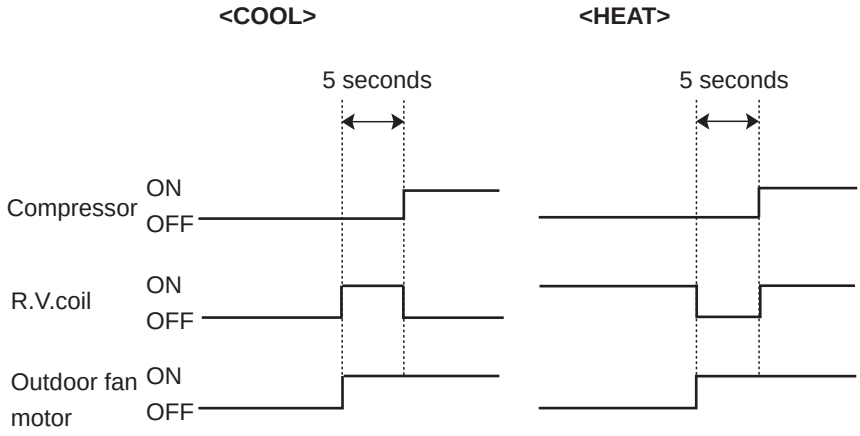
I-1. Outdoor fan motor control

The fan motor turns ON/OFF, interlocking with the compressor.
[ON] The fan motor turns ON 5 seconds before the compressor starts up.
[OFF] The fan motor turns OFF 15 seconds after the compressor has stopped running.



I-2. R.V. Coil control

Heating · · · · · · · · · · · · · · · · · · ON
Cooling · · · · · · · · · · · · · · · · · · OFF
Dry · OFF
NOTE: The 4-way valve reverses for 5 seconds right before start-up of the compressor.

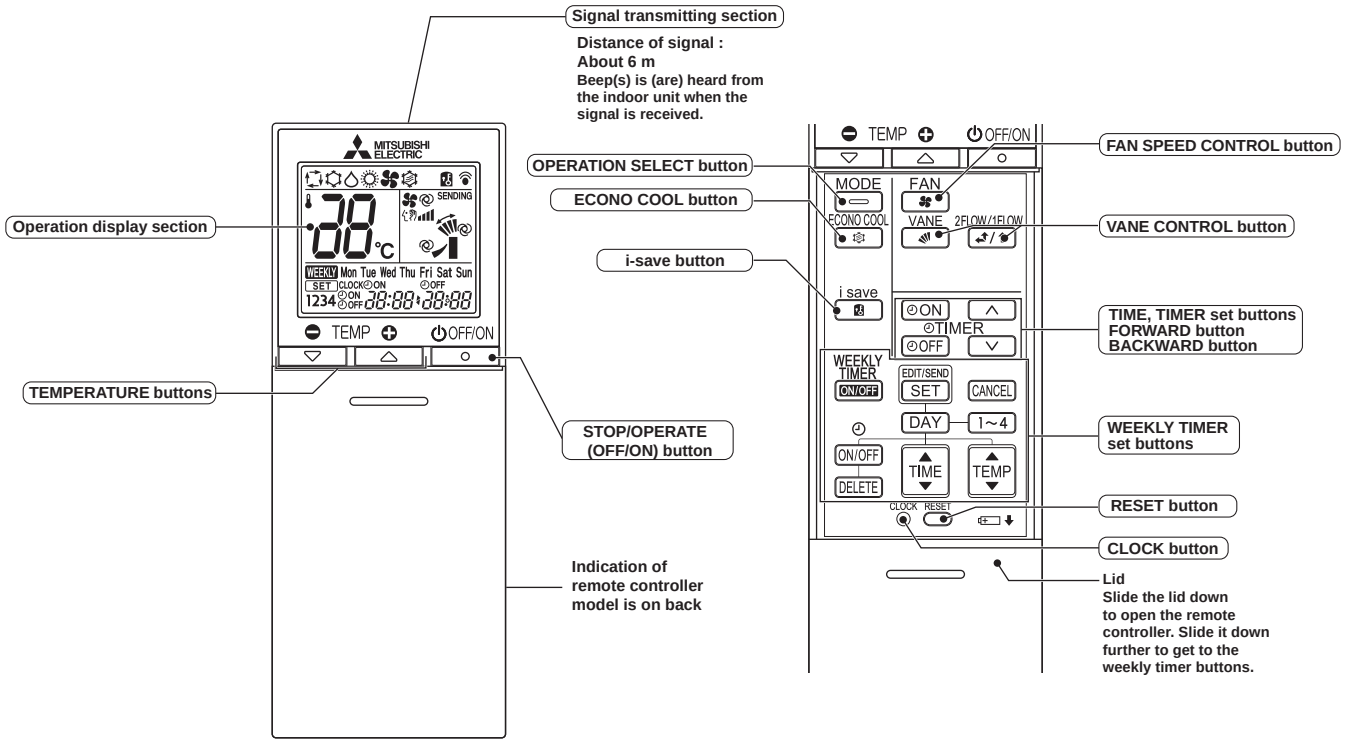


I-3. Relation between main sensor and actuator

Sensor	Purpose	Actuator					
		Compressor	LEV	Outdoor fan motor	R.V.coil	Indoor fan motor	Defrost heater
Discharge temperature thermistor	Protection	○	○				
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○					
	Heating: High pressure protection	○	○				
Defrost thermistor	Heating: Defrosting	○	○	○	○	○	
Fin temperature thermistor	Protection	○		○			
Ambient temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Heating: Defrosting (Heater)						○
Outdoor heat exchanger temperature thermistor	Cooling: Low ambient temperature operation	○	○	○			
	Cooling: High pressure protection	○	○	○			

C.2.9.2 MFZ-KT • VG Series
MFZ-KT25VG MFZ-KT35VG MFZ-KT50VG MFZ-KT60VG

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 2°C or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 1 to 2°C from set temperature
☀ ☼	Standby mode (only during multi system operation)	—

☀ Lit
☼ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the set temperature. The setting range is 16 - 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation

When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

3. Indoor fan speed control

When the thermostat turns OFF, the indoor fan operates at the setting fan speed.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention
Coil frost prevention works the same way as that in COOL mode. (a.1.)

2. Low outside temperature operation
Low outside temperature operation works the same way as that in COOL mode. (a.2.)

3. Indoor fan speed control
Indoor fan speed control works the same way as that in COOL mode. (a.3.)
However in AUTO setting, the fan speed changes.

c. FAN (❀) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select FAN mode with OPERATION SELECT button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates.
Outdoor unit does not operate.
NOTE: Temperature cannot be set during FAN mode.

d. HEAT (☼) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the set temperature. The setting range is 16 - 31°C.

1. Cold air prevention control
When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection
The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.
When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.
This mode continues until the temperature of indoor heat exchanger falls.

3. Defrosting
Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor re-starts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

e. AUTO CHANGE OVER ··· AUTO MODE OPERATION

Once set temperature is set, unit operation is switched automatically between COOL and HEAT operation.

1. Mode selection

(1) Initial mode
At first indoor unit operates only indoor fan with outdoor unit OFF for 3 minutes to detect present room temperature.
Following the conditions below, operation mode is selected.
① If the room temperature thermistor RT11 reads more than set temperature, COOL mode is selected.
② If the room temperature thermistor RT11 reads set temperature or less, HEAT mode is selected.

(2) Mode change
In case of the following conditions the operation mode is changed.
① COOL mode changes to HEAT mode when 15 minuets have passed with the room temperature 2 degrees below the set temperature.
② HEAT mode changes to COOL mode when 15 minuets have passed with the room temperature 2 degrees below the set temperature.

In the other cases than the above conditions, the present operation mode is continued.

NOTE 1: Mode selection is performed when multi standby (refer to **NOTE 2**) is released and the unit starts operation with ON-timer.
NOTE 2: If 2 or more indoor units are operating in multi system, there might be a case that the indoor unit, which is operating in AUTO (⌂), cannot change over the other operating mode (COOL ↔ HEAT) and becomes a state of standby.
NOTE 3: At the beginning of AUTO mode, the airflow direction and the fan speed are set to AUTO and the air outlet selection is set to 2 FLOW.

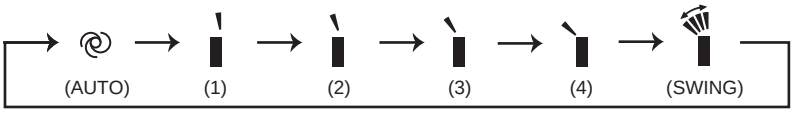
f. AUTO VANE OPERATION

1. Horizontal vane (Horizontal vane/Multi-flow vane)

(1) Vane motor drive

These models are equipped with a stepping motors for the horizontal vanes. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL (VANE) button.



(3) Positioning

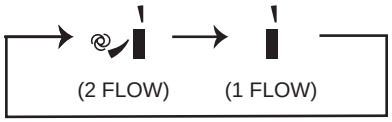
The vane presses the vane stopper once to confirm the standard position and then moves to the set angle.
Confirming of standard position is performed in case of the followings.

(a) The power supply turns on.
(b) The operation starts or finishes (including timer operation).
(c) The test run starts.
(d) The multi-standby starts or finishes.
(e) Every time the vane has swung more than the specified numbers of times.
(f) The horizontal vane automatically moves in certain intervals to determine its position, and then it returns to set position.
(g) The vane operates for the dew prevention.

(4) Air outlet selection

The air outlet(s) can be selected by pressing to VANE CONTROL (2FLOW/1FLOW) button.

When 2 FLOW is selected, air blows from the top and the front of the unit. When 1 FLOW is selected, air blows only from the top of the unit.



The multi-flow vane is automatically set to the appropriate position.
In HEAT, the multi-flow vane automatically changes its position according to the indoor fan speed.
Even if 2 FLOW is selected, air will blow only from the top of the unit in the following conditions:

- During COOL/DRY: The room temperature is close to set temperature.
  The air conditioner has operated for 0.5 to 1 hour.
- During HEAT: The airflow temperature is low. (During defrosting operation, start of operation, etc.)

NOTE:
Movement at the start of the 2 FLOW operation

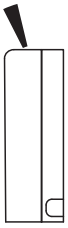
- COOL/DRY, HEAT: It takes 0.5 to 1 minute to start the 2 FLOW operation.
- HEAT: When cold air blows out from the air outlet, the multi-flow vane may stop moving for up to 10 minutes to make and blow out warm air.

(5) VANE AUTO (@) mode

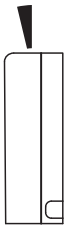
In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL, DRY and FAN operation

2 FLOW: Vane angle is fixed to position 2.



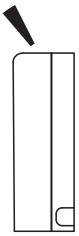
1 FLOW: Vane angle is fixed to position 1.



In HEAT operation

2 FLOW: Vane angle is fixed to position 2.

1 FLOW: Vane angle is fixed to position 3.



(6) STOP (operation OFF) and ON TIMER standby

In the following cases, the horizontal vane returns to the closed position.

(a) When STOP/OPERATE (OFF/ON) button is pressed (POWER OFF).

(b) When the operation is stopped by the emergency operation.

(c) When ON TIMER is ON standby.

(7) Dew prevention

During COOL or DRY operation with the vane angle at Angle 3 or 4 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 1 for dew prevention.

(8) SWING () mode

By selecting SWING mode with VANE CONTROL button, the horizontal vanes swing vertically.

The remote controller displays "  ". SWING mode is cancelled when VANE CONTROL button is pressed once again.

(9) Cold air prevention in HEAT operation

The horizontal vane position is set to Upward.

(10) ECONO COOL () operation (ECONOmical operation)

When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 2°C higher by the microprocessor. However, the temperature on the LCD screen on the remote controller is not changed. Also the horizontal vane swings in various cycle.

SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.

To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, VANE CONTROL button.

g. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.

NOTE: Timer operation will not work without setting the current time. Initially “0:00” blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK button.

How to set the current time

(a) Press the CLOCK button.

(b) Press the TIME SET buttons (∧ and ∨) to set the current time.

- Each time FORWARD button (∧) is pressed, the set time increases by 1 minute, and each time BACKWARD button (∨) is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK set button.

(2) Press STOP/OPERATE (OFF/ON) button to start the air conditioner.

(3) Set the time of timer.

ON timer setting

(a) Press ON TIMER button(ON) during operation.

(b) Set the time of the timer using TIME SET buttons (∧ and ∨). ※

OFF timer setting

(a) Press OFF TIMER button (OFF) during operation.

(b) Set the time of the timer using TIME SET buttons (∧ and ∨). ※

※ Each time FORWARD button (∧) is pressed, the set time increases by 10 minutes: each time BACKWARD button (∨) is pressed, the set time decreases by 10 minutes.

2. To release the timer

To release ON timer, press ON TIMER button (ON).

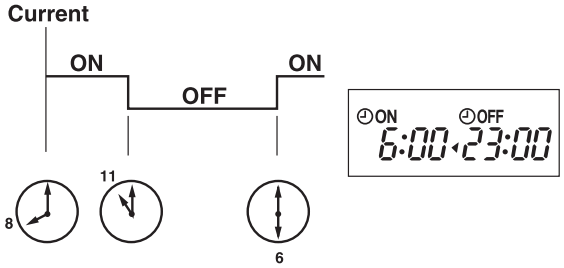
To release OFF timer, press OFF TIMER button(OFF).

TIMER is cancelled and the display of set time disappears.

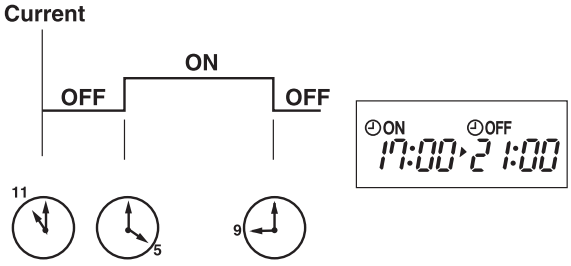
PROGRAM TIMER

- OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
- “◀” and “▶” display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns off at 11:00 PM, and on at 6:00 AM.



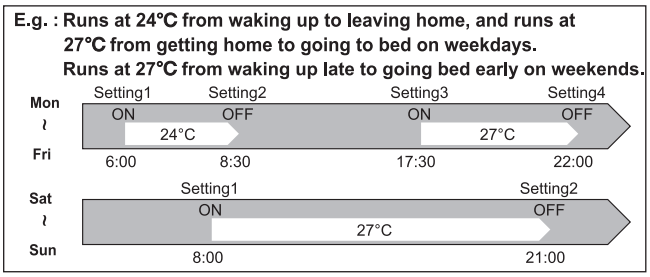
(Example 2) The current time is 11:00 AM.
The unit turns on at 5:00 PM, and off at 9:00 PM.



NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

h. WEEKLY TIMER OPERATION

• A maximum of 4 ON or OFF timers can be set for individual days of the week.
• A maximum of 28 ON or OFF timers can be set for a week.



NOTE:

• The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.
• When the weekly timer is set, temperature cannot be set to 10°C.
• The weekly timer operation and i-save operation cannot be used together.

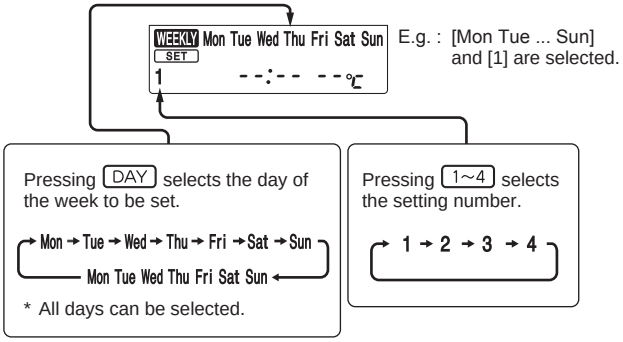
1. How to set the weekly timer

* Make sure that the current time and day are set correctly.

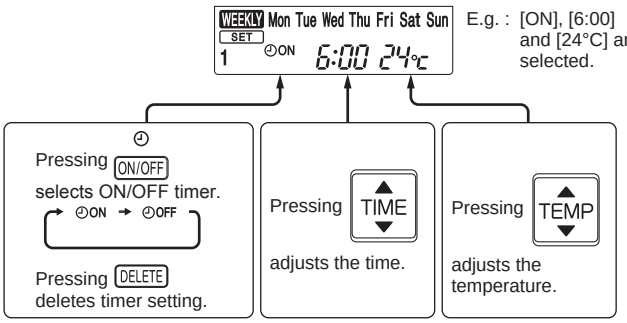
(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

* SET blinks.

(2) Press DAY and 1~4 buttons to select setting day and number.



(3) Press ON/OFF , TIME , and TEMP buttons to set ON/OFF, time, and temperature.



* Hold down the button to change the time quickly.
* The temperature can be set between 16 °C and 31 °C at weekly timer.

Press DAY and 1~4 buttons to continue setting the timer for other days and/or numbers.

(4) Press EDIT/SEND SET button to complete and transmit the weekly timer setting.

* SET which was blinking goes out, and the current time will be displayed.

NOTE:

- Press EDIT/SEND SET button to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
- When setting the timer for more than one day of the week or one number, EDIT/SEND SET button does not have to be pressed per each setting. Press EDIT/SEND SET button once after all the settings are complete. All the weekly timer settings will be saved.
- Press EDIT/SEND SET button to enter the weekly timer setting mode, and press and hold DELETE button for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

(5) Press WEEKLY TIMER ON/OFF button to turn the weekly timer ON. (WEEKLY lights.)

•When the weekly timer is ON, the day of the week whose timer setting is complete, will light.

Press WEEKLY TIMER ON/OFF button again to turn the weekly timer OFF. (WEEKLY goes out.)

NOTE:
The saved settings will not be cleared when the weekly timer is turned OFF.

2. Checking weekly timer setting

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.
*SET blinks.

(2) Press DAY or 1~4 buttons to view the setting of the particular day or number.

(3) Press CANCEL button to exit the weekly timer setting.

i. i-save (i-save) OPERATION

1. How to set i-save operation

(1) Press STOP/OPERATE (OFF/ON) button.
(2) Select COOL or HEAT mode.
(3) Press i-save button.
(4) Set the temperature, fan speed, airflow direction, and 2 FLOW/1 FLOW for i-save operation.

NOTE:

- i-save operation cannot be selected during DRY, FAN or AUTO mode operation.
- The setting range of HEAT mode i-save operation is 10°C and 16 - 31°C.
- 2 groups of setting can be saved. (One for COOL, one for HEAT)
- i-save operation and the weekly timer operation cannot be used together.

2. How to cancel operation

- Press i-save button again.
- i-save operation can also be cancelled by pressing OPERATION SELECT button to change the operation mode.

The same setting is selected from the next time by simply pressing i-save button.

j. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or when the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.

The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work. In COOL MODE, the air outlet selection is set to 2 FLOW during the test run operation.

After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C. The fan speed shifts to Medium.

The coil frost prevention works even in the test run or the emergency operation.

In the test run or emergency operation, the horizontal vane operates in VANE AUTO (㉾) mode.

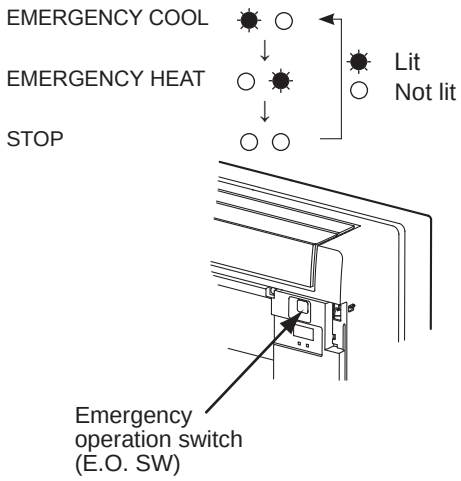
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case, normal operation will start.

NOTE: Do not press EMERGENCY OPERATION switch during normal operation.

Operation mode	COOL/HEAT
Set temperature	24°C
Fan speed	Medium
Horizontal vane	Auto
Air outlet	2 FLOW

The operation mode is indicated by the Operation Indicator lamp as following

Operation Indicator lamp

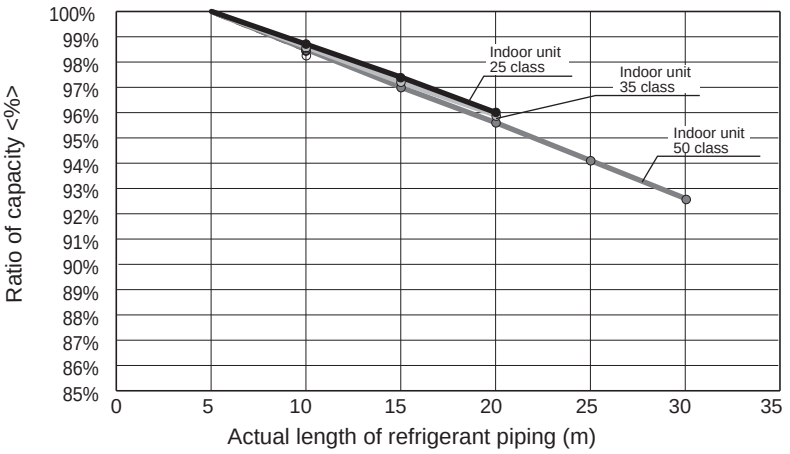


k. 3-MINUTE TIME DELAY OPERATION

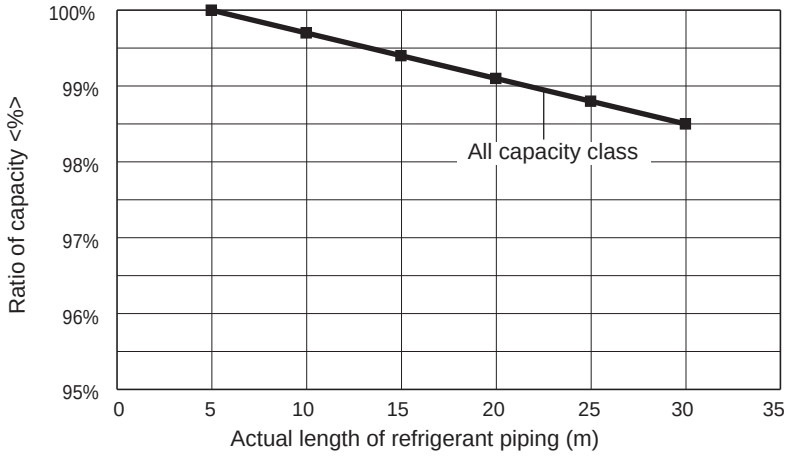
When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

C.2.10 CAPACITY CORRECTION RATIO CURVE FOR PIPING LENGTH

Correction ratio of capacity according to the length of piping (cooling)



Correction ratio of capacity according to the length of piping (heating)



The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

Length of refrigerant piping (m) + (Number of bends × 0.3 m) = Actual length of refrigerant piping (m)

C.3 CEILING CASSETTE

C.3.1 SPECIFICATIONS

C.3.1.1 Inverter Heat Pump

Indoor Unit				MLZ-KP25VF	MLZ-KP35VF	MLZ-KP50VF
Outdoor Unit				SUZ-M25VA	SUZ-M35VA	SUZ-M50VA
Refrigerant				R32(*1)	R32(*1)	R32(*1)
Power Supply	Source			Outdoor Power supply	Outdoor Power supply	Outdoor Power supply
	Outdoor (V/Phase/Hz)			230V/SinglePhase/50Hz	230V/SinglePhase/50Hz	230V/SinglePhase/50Hz
Cooling	Design load		kW	2.5	3.5	5.0
	Annual electricity consumption(*2)		kWh/a	141	175	260
	SEER			6.2	7.0	6.7
		Energy efficiency class		A++	A++	A++
	Capacity	Rated	kW	2.5	3.5	5.0
		Min-Max.	kW	1.4-3.2	0.8-3.9	1.7-5.6
	SHF			0.87	0.74	0.72
	Total Input	Rated	kW	0.59	0.94	1.38
	EER			4.20	3.70	3.60
Heating (Average Season)	Design load		kW	2.2	2.6	4.3
	Declared Capacity	at reference design temperature	kW	2.0(-10°C)	2.3(-10°C)	3.8(-10°C)
		at bivalent temperature	kW	2.0(-7°C)	2.3(-7°C)	3.8(-7°C)
		at operation limit temperature	kW	2.0(-10°C)	2.3(-10°C)	3.8(-10°C)
	Back up heating capacity		kW	0.2	0.3	0.5
	Annual electricity consumption(*2)		kWh/a	697	791	1397
	SCOP			4.4	4.6	4.3
		Energy efficiency class		A+	A++	A+
	Capacity	Rated	kW	3.2	4.1	6.0
		Min-Max.	kW	1.4-4.2	1.1-4.9	1.7-7.2
	Total Input	Rated	kW	0.80	1.10	1.86
	COP			4.00	3.71	3.21
Operating Current (Max.)			A	7.2	8.9	13.9
Indoor Unit	Input	Rated	kW	0.04	0.04	0.04
	Operating Current (Max.)		A	0.40	0.40	0.40
	Dimensions	H x W x D	mm	185 x 1102 x 360	185 x 1102 x 360	185 x 1102 x 360
	Weight		kg	15.5	15.5	15.5
	Air Volume	Cooling	m^3/min.	6.0 - 7.2 - 8.0 - 8.8	6.0 - 7.3 - 8.4 - 9.4	6.0 - 8.3 - 9.8 - 11.4
	(SLo-Lo-Mid-Hi-SHi(*3) (Dry))	Heating	m^3/min.	6.0 - 7.0 - 8.2 - 9.2	6.0 - 7.7 - 8.8 - 9.9	6.0 - 8.8 - 10.3 - 11.8
	Sound Level (SPL)	Cooling	dB(A)	27 - 31 - 34 - 38	27 - 32 - 36 - 40	29 - 36 - 41 - 47
	(SLo-Lo-Mid-Hi-SHi(*3))	Heating	dB(A)	26 - 27 - 34 - 37	26 - 32 - 36 - 40	26 - 37 - 42 - 48
	Sound Level (PWL)	Cooling	dB(A)	52	53	59
Panel	Dimensions	H x W x D	mm	24 x 1200 x 424	24 x 1200 x 424	24 x 1200 x 424
	Weight		kg	3.5	3.5	3.5
Outdoor Unit	Dimensions	H x W x D	mm	550 x 800 x 285	550 x 800 x 285	714 x 800 x 285
	Weight		kg	30	35	41
	Air Volume	Cooling	m^3/min.	36.3	34.3	45.8
		Heating	m^3/min.	34.6	32.7	43.7
	Sound Level (SPL)	Cooling	dB(A)	45	48	48
		Heating	dB(A)	46	48	49
	Sound Level (PWL)	Cooling	dB(A)	59	59	64
	Operating Current (Max.)		A	6.8	8.5	13.5
	Breaker Size		A	10	10	20
Ext.Piping	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/12.7
	Max.Length	Out-In	m	20	20	30
	Max.Height	Out-In	m	12	12	30
Guaranteed Operating Range (Outdoor)		Cooling	ºC	-10～+46	-10～+46	-15～+46
		Heating	ºC	-10～+24	-10～+24	-10～+24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SHi: Super High.

C.3.2 OUTLINES AND DIMENSIONS

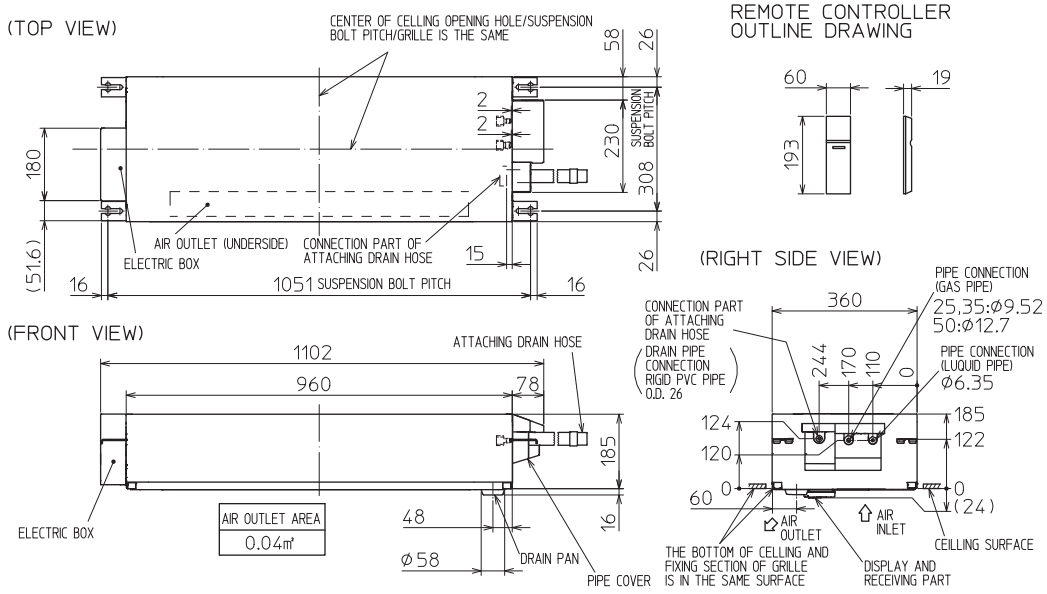
C.3.2.1 Indoor Unit

MLZ-KP25VF MLZ-KP35VF MLZ-KP50VF

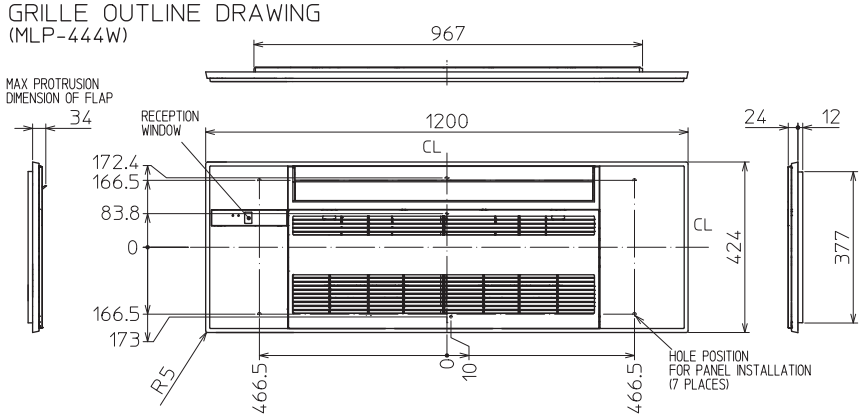
Unit: mm

INDOOR UNIT

INDOOR UNIT OUTLINE DRAWING



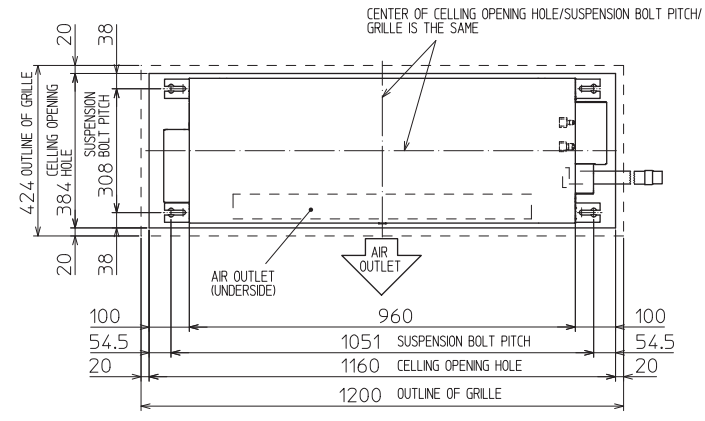
GRILLE OUTLINE DRAWING
(MLP-444W)

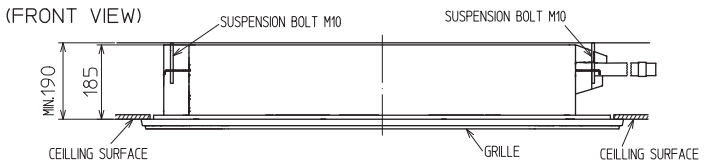


		KP25/35VF	KP50VF
EXTENSION PIPE	LIQUID PIPE O.D.	ø6.35	
	GAS PIPE O.D.	ø9.52	ø12.7
CONNECTIONG OF PIPE	LIQUID PIPE	FLARED CONNECTION ø6.35	
	GAS PIPE	FLARED CONNECTION ø9.52	FLARED CONNECTION ø12.7
DRAIN HOSE		HEAT INSULATER O.D. ø32 / CONNECTION I.D. ø25 / EFFECTIVE LENGTH 480	
DRAIN PIPE CONNECTION		RIGID PVC PIPE O.D. 26	

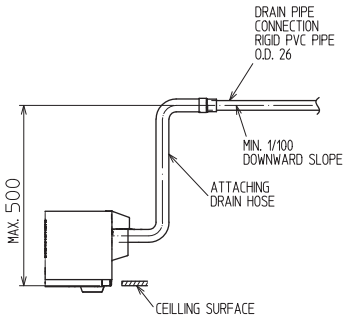
NOTE1. CUT THE DRAIN HOSE (ACCESSORY) FOR USE, IF NECESSARY.

INDOOR UNIT DETAIL VIEW
(TOP VIEW)





THE METHOD FOR STANDING DRAIN FROM INDOOR UNIT
※ CUT THE DRAIN HOSE (ACCESSORY) FOR USE, IF NECESSARY.



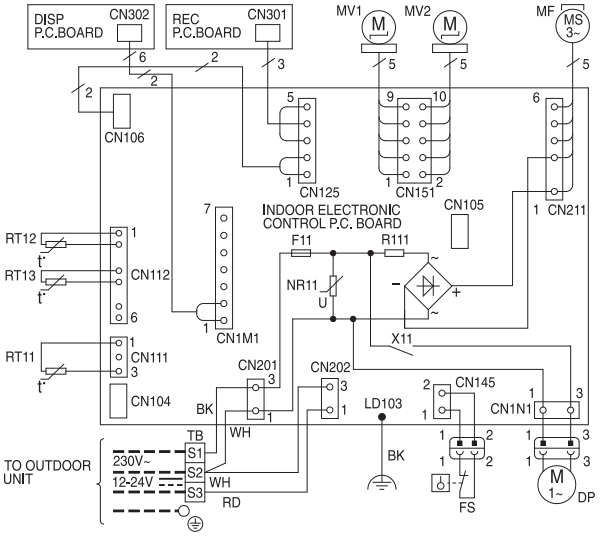
C.3.3 WIRING DIAGRAM

C.3.3.1 Indoor Unit

MLZ-KP25VF

MLZ-KP35VF

INDOOR UNIT

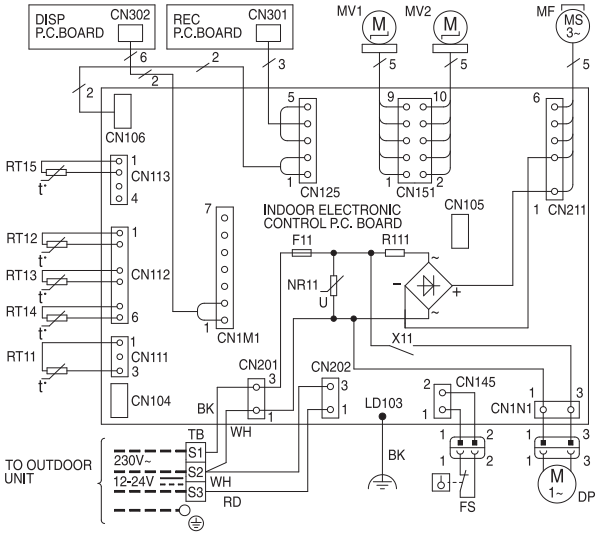


SYMBOL	NAME	SYMBOL	NAME
MF	FAN MOTOR	RT11	ROOM TEMP. THERMISTOR
MV1	HORIZONTAL VANE MOTOR	RT12	COIL TEMP. THERMISTOR(MAIN)
MV2	VERTICAL VANE MOTOR	RT13	COIL TEMP. THERMISTOR(SUB)
DP	DRAIN PUMP	NR11	VARISTOR
FS	FLOAT SENSOR	R111	RESISTOR
F11	FUSE (T3.15AL250V)		
X11	RELAY		
TB	TERMINAL BLOCK		

NOTES :
1. About the outdoor side electric wiring refer to the outdoor unit electric wiring diagram for servicing.
2. Use copper conductors only.
   (For field wiring)
3. Symbols below indicate.
   : Terminal block
   : Connector

MLZ-KP50VF

INDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME
MF	FAN MOTOR	RT11	ROOM TEMP. THERMISTOR
MV1	HORIZONTAL VANE MOTOR	RT12	COIL TEMP. THERMISTOR(MAIN1)
MV2	VERTICAL VANE MOTOR	RT13	COIL TEMP. THERMISTOR(SUB)
DP	DRAIN PUMP	RT14	COIL TEMP. THERMISTOR(MAIN2)
FS	FLOAT SENSOR	RT15	COIL TEMP. THERMISTOR(MAIN3)
F11	FUSE (T3.15AL250V)	NR11	VARISTOR
X11	RELAY	R111	RESISTOR
TB	TERMINAL BLOCK		

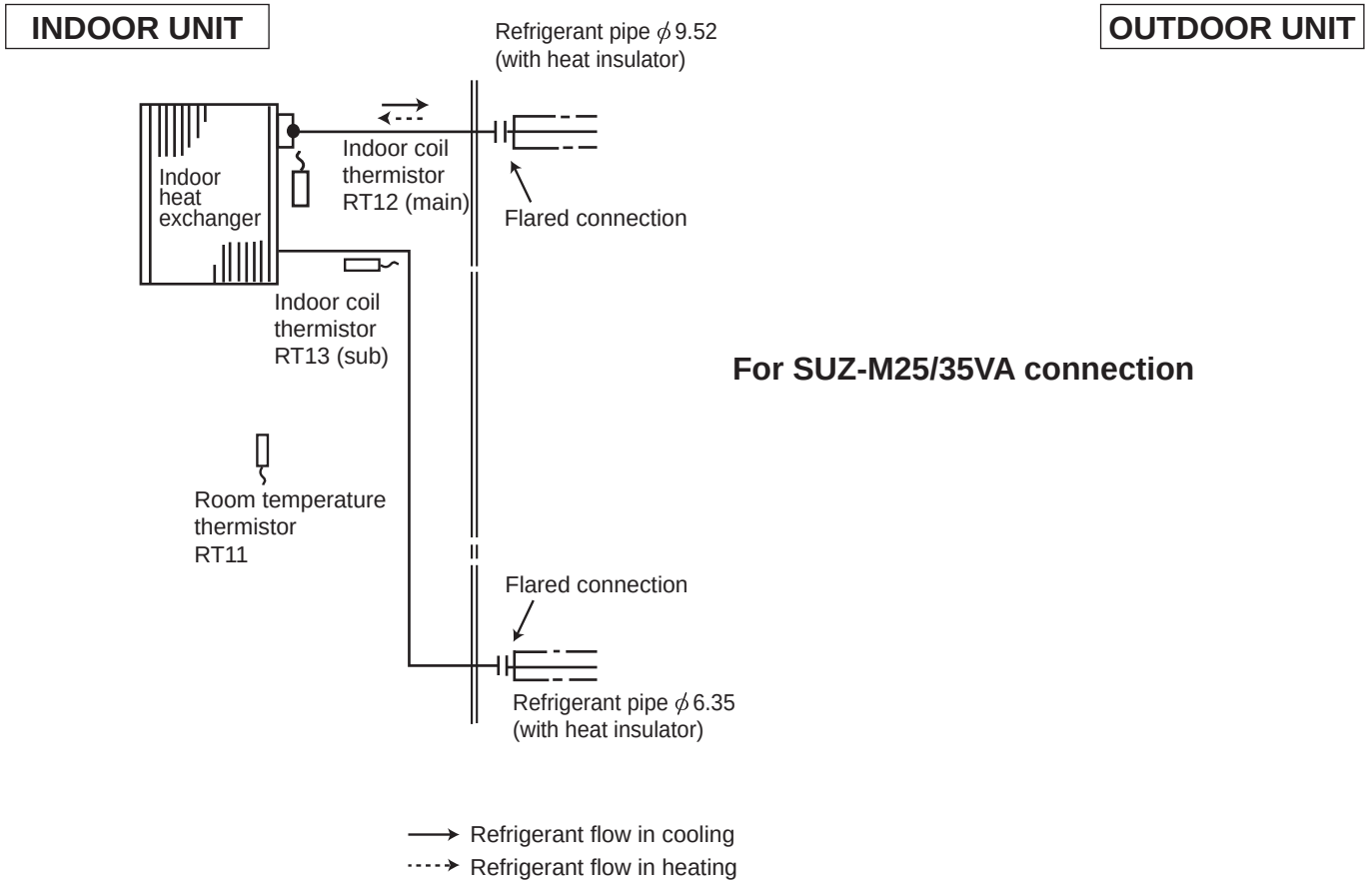
NOTES :
1. About the outdoor side electric wiring refer to the outdoor unit electric wiring diagram for servicing.
2. Use copper conductors only.
   (For field wiring)
3. Symbols below indicate.
   : Terminal block
   : Connector

C.3.4 REFRIGERANT SYSTEM DIAGRAM

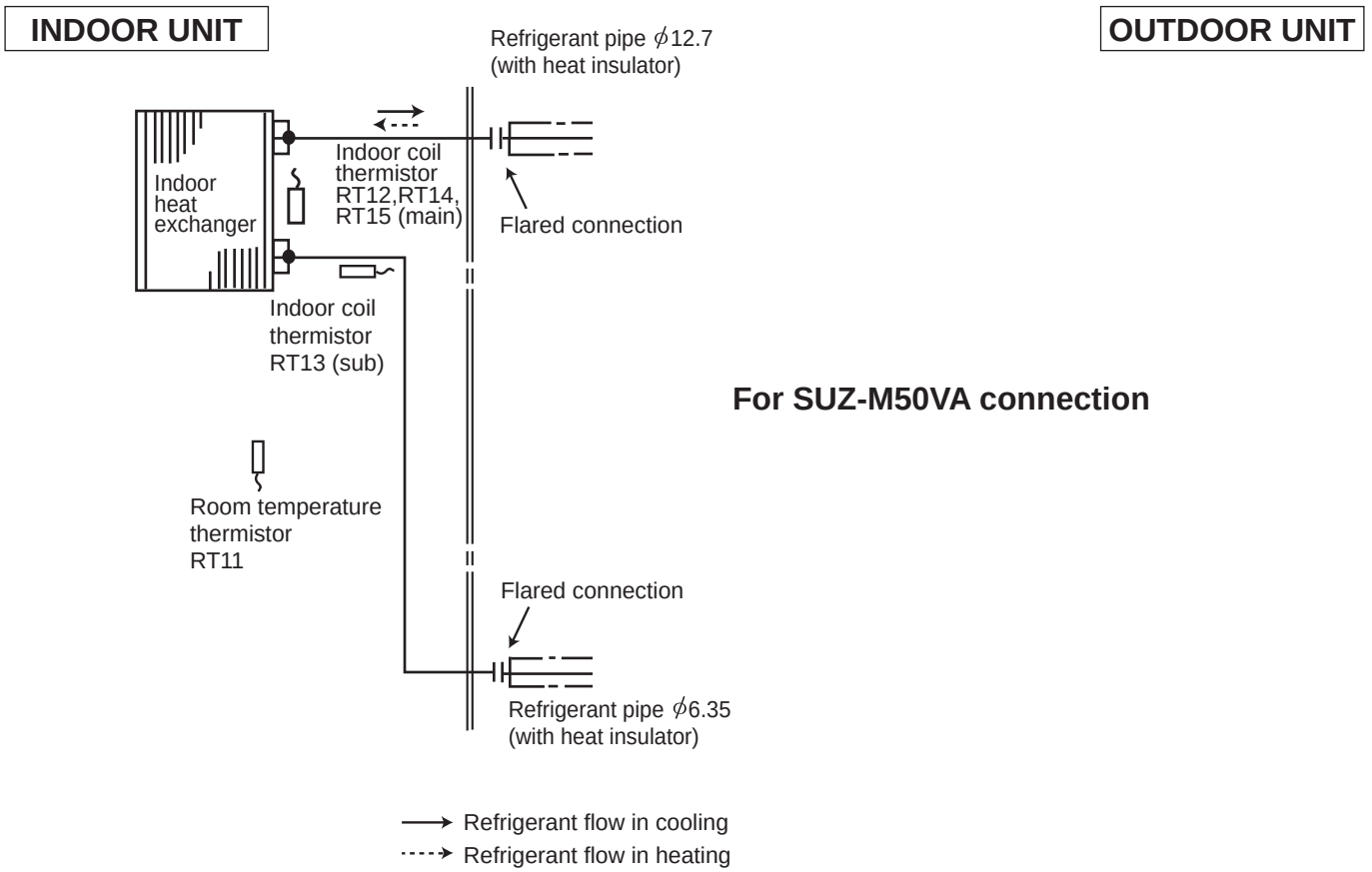
C.3.4.1 Inverter Heat Pump

Unit: mm

MLZ-KP25VF
MLZ-KP35VF



MLZ-KP50VF



C.3.5 PERFORMANCE DATA

C.3.5.1 Inverter Heat Pump

PERFORMANCE DATA COOL operation at Rated frequency

MLZ-KP25VF: SUZ-M25VA

CAPACITY: 2.5 kW SHF: 0.87 INPUT: 590 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.94	2.03	0.69	472	2.81	1.94	0.69	496	2.70	1.86	0.69	519	2.60	1.79	0.69	543
21	20	3.06	1.75	0.57	496	2.94	1.67	0.57	525	2.85	1.62	0.57	537	2.75	1.57	0.57	561
22	18	2.94	2.14	0.73	472	2.81	2.05	0.73	496	2.70	1.97	0.73	519	2.60	1.90	0.73	543
22	20	3.06	1.87	0.61	496	2.94	1.79	0.61	525	2.85	1.74	0.61	537	2.75	1.68	0.61	561
22	22	3.19	1.56	0.49	513	3.08	1.51	0.49	546	3.00	1.47	0.49	561	2.88	1.41	0.49	584
23	18	2.94	2.26	0.77	472	2.81	2.17	0.77	496	2.70	2.08	0.77	519	2.60	2.00	0.77	543
23	20	3.06	1.99	0.65	496	2.94	1.91	0.65	525	2.85	1.85	0.65	537	2.75	1.79	0.65	561
23	22	3.19	1.69	0.53	513	3.08	1.63	0.53	546	3.00	1.59	0.53	561	2.88	1.52	0.53	584
24	18	2.94	2.38	0.81	472	2.81	2.28	0.81	496	2.70	2.19	0.81	519	2.60	2.11	0.81	543
24	20	3.06	2.11	0.69	496	2.94	2.03	0.69	525	2.85	1.97	0.69	537	2.75	1.90	0.69	561
24	22	3.19	1.82	0.57	513	3.08	1.75	0.57	546	3.00	1.71	0.57	561	2.88	1.64	0.57	584
24	24	3.35	1.51	0.45	537	3.23	1.45	0.45	566	3.15	1.42	0.45	584	3.05	1.37	0.45	614
25	20	3.06	2.24	0.73	496	2.94	2.14	0.73	525	2.85	2.08	0.73	537	2.75	2.01	0.73	561
25	22	3.19	1.94	0.61	513	3.08	1.88	0.61	546	3.00	1.83	0.61	561	2.88	1.75	0.61	584
25	24	3.35	1.64	0.49	537	3.23	1.58	0.49	566	3.15	1.54	0.49	584	3.05	1.49	0.49	614
26	18	2.94	2.61	0.89	472	2.81	2.50	0.89	496	2.70	2.40	0.89	519	2.60	2.31	0.89	543
26	20	3.06	2.36	0.77	496	2.94	2.26	0.77	525	2.85	2.19	0.77	537	2.75	2.12	0.77	561
26	22	3.19	2.07	0.65	513	3.08	2.00	0.65	546	3.00	1.95	0.65	561	2.88	1.87	0.65	584
26	24	3.35	1.78	0.53	537	3.23	1.71	0.53	566	3.15	1.67	0.53	584	3.05	1.62	0.53	614
26	26	3.45	1.41	0.41	566	3.35	1.37	0.41	596	3.30	1.35	0.41	614	3.20	1.31	0.41	631
27	18	2.94	2.73	0.93	472	2.81	2.62	0.93	496	2.70	2.51	0.93	519	2.60	2.42	0.93	543
27	20	3.06	2.48	0.81	496	2.94	2.38	0.81	525	2.85	2.31	0.81	537	2.75	2.23	0.81	561
27	22	3.19	2.20	0.69	513	3.08	2.12	0.69	546	3.00	2.07	0.69	561	2.88	1.98	0.69	584
27	24	3.35	1.91	0.57	537	3.23	1.84	0.57	566	3.15	1.80	0.57	584	3.05	1.74	0.57	614
27	26	3.45	1.55	0.45	566	3.35	1.51	0.45	596	3.30	1.49	0.45	614	3.20	1.44	0.45	631
28	18	2.94	2.85	0.97	472	2.81	2.73	0.97	496	2.70	2.62	0.97	519	2.60	2.52	0.97	543
28	20	3.06	2.60	0.85	496	2.94	2.50	0.85	525	2.85	2.42	0.85	537	2.75	2.34	0.85	561
28	22	3.19	2.33	0.73	513	3.08	2.24	0.73	546	3.00	2.19	0.73	561	2.88	2.10	0.73	584
28	24	3.35	2.04	0.61	537	3.23	1.97	0.61	566	3.15	1.92	0.61	584	3.05	1.86	0.61	614
28	26	3.45	1.69	0.49	566	3.35	1.64	0.49	596	3.30	1.62	0.49	614	3.20	1.57	0.49	631
29	18	2.94	2.94	1.00	472	2.81	2.81	1.00	496	2.70	2.70	1.00	519	2.60	2.60	1.00	543
29	20	3.06	2.73	0.89	496	2.94	2.61	0.89	525	2.85	2.54	0.89	537	2.75	2.45	0.89	561
29	22	3.19	2.45	0.77	513	3.08	2.37	0.77	546	3.00	2.31	0.77	561	2.88	2.21	0.77	584
29	24	3.35	2.18	0.65	537	3.23	2.10	0.65	566	3.15	2.05	0.65	584	3.05	1.98	0.65	614
29	26	3.45	1.83	0.53	566	3.35	1.78	0.53	596	3.30	1.75	0.53	614	3.20	1.70	0.53	631
30	18	2.94	2.94	1.00	472	2.81	2.81	1.00	496	2.70	2.70	1.00	519	2.60	2.60	1.00	543
30	20	3.06	2.85	0.93	496	2.94	2.73	0.93	525	2.85	2.65	0.93	537	2.75	2.56	0.93	561
30	22	3.19	2.58	0.81	513	3.08	2.49	0.81	546	3.00	2.43	0.81	561	2.88	2.33	0.81	584
30	24	3.35	2.31	0.69	537	3.23	2.23	0.69	566	3.15	2.17	0.69	584	3.05	2.10	0.69	614
30	26	3.45	1.97	0.57	566	3.35	1.91	0.57	596	3.30	1.88	0.57	614	3.20	1.82	0.57	631
31	18	2.94	2.94	1.00	472	2.81	2.81	1.00	496	2.70	2.70	1.00	519	2.60	2.60	1.00	543
31	20	3.06	2.97	0.97	496	2.94	2.85	0.97	525	2.85	2.76	0.97	537	2.75	2.67	0.97	561
31	22	3.19	2.71	0.85	513	3.08	2.61	0.85	546	3.00	2.55	0.85	561	2.88	2.44	0.85	584
31	24	3.35	2.45	0.73	537	3.23	2.35	0.73	566	3.15	2.30	0.73	584	3.05	2.23	0.73	614
31	26	3.45	2.10	0.61	566	3.35	2.04	0.61	596	3.30	2.01	0.61	614	3.20	1.95	0.61	631
32	18	2.94	2.94	1.00	472	2.81	2.81	1.00	496	2.70	2.70	1.00	519	2.60	2.60	1.00	543
32	20	3.06	3.06	1.00	496	2.94	2.94	1.00	525	2.85	2.85	1.00	537	2.75	2.75	1.00	561
32	22	3.19	2.84	0.89	513	3.08	2.74	0.89	546	3.00	2.67	0.89	561	2.88	2.56	0.89	584
32	24	3.35	2.58	0.77	537	3.23	2.48	0.77	566	3.15	2.43	0.77	584	3.05	2.35	0.77	614
32	26	3.45	2.24	0.65	566	3.35	2.18	0.65	596	3.30	2.15	0.65	614	3.20	2.08	0.65	631

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MLZ-KP25VF: SUZ-M25VA

CAPACITY: 2.5 kW SHF: 0.87 INPUT: 590 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	2.45	1.69	0.69	578	2.25	1.55	0.69	614	2.08	1.43	0.69	637
21	20	2.58	1.47	0.57	602	2.40	1.37	0.57	631	2.23	1.27	0.57	667
22	18	2.45	1.79	0.73	578	2.25	1.64	0.73	614	2.08	1.51	0.73	637
22	20	2.58	1.57	0.61	602	2.40	1.46	0.61	631	2.23	1.36	0.61	667
22	22	2.73	1.34	0.49	625	2.55	1.25	0.49	661	2.38	1.16	0.49	684
23	18	2.45	1.89	0.77	578	2.25	1.73	0.77	614	2.08	1.60	0.77	637
23	20	2.58	1.67	0.65	602	2.40	1.56	0.65	631	2.23	1.45	0.65	667
23	22	2.73	1.44	0.53	625	2.55	1.35	0.53	661	2.38	1.26	0.53	684
24	18	2.45	1.98	0.81	578	2.25	1.82	0.81	614	2.08	1.68	0.81	637
24	20	2.58	1.78	0.69	602	2.40	1.66	0.69	631	2.23	1.54	0.69	667
24	22	2.73	1.55	0.57	625	2.55	1.45	0.57	661	2.38	1.35	0.57	684
24	24	2.88	1.29	0.45	649	2.70	1.22	0.45	679	2.55	1.15	0.45	708
25	20	2.58	1.88	0.73	602	2.40	1.75	0.73	631	2.23	1.62	0.73	667
25	22	2.73	1.66	0.61	625	2.55	1.56	0.61	661	2.38	1.45	0.61	684
25	24	2.88	1.41	0.49	649	2.70	1.32	0.49	679	2.55	1.25	0.49	708
26	18	2.45	2.18	0.89	578	2.25	2.00	0.89	614	2.08	1.85	0.89	637
26	20	2.58	1.98	0.77	602	2.40	1.85	0.77	631	2.23	1.71	0.77	667
26	22	2.73	1.77	0.65	625	2.55	1.66	0.65	661	2.38	1.54	0.65	684
26	24	2.88	1.52	0.53	649	2.70	1.43	0.53	679	2.55	1.35	0.53	708
26	26	3.03	1.24	0.41	673	2.85	1.17	0.41	702	2.68	1.10	0.41	732
27	18	2.45	2.28	0.93	578	2.25	2.09	0.93	614	2.08	1.93	0.93	637
27	20	2.58	2.09	0.81	602	2.40	1.94	0.81	631	2.23	1.80	0.81	667
27	22	2.73	1.88	0.69	625	2.55	1.76	0.69	661	2.38	1.64	0.69	684
27	24	2.88	1.64	0.57	649	2.70	1.54	0.57	679	2.55	1.45	0.57	708
27	26	3.03	1.36	0.45	673	2.85	1.28	0.45	702	2.68	1.20	0.45	732
28	18	2.45	2.38	0.97	578	2.25	2.18	0.97	614	2.08	2.01	0.97	637
28	20	2.58	2.19	0.85	602	2.40	2.04	0.85	631	2.23	1.89	0.85	667
28	22	2.73	1.99	0.73	625	2.55	1.86	0.73	661	2.38	1.73	0.73	684
28	24	2.88	1.75	0.61	649	2.70	1.65	0.61	679	2.55	1.56	0.61	708
28	26	3.03	1.48	0.49	673	2.85	1.40	0.49	702	2.68	1.31	0.49	732
29	18	2.45	2.45	1.00	578	2.25	2.25	1.00	614	2.08	2.08	1.00	637
29	20	2.58	2.29	0.89	602	2.40	2.14	0.89	631	2.23	1.98	0.89	667
29	22	2.73	2.10	0.77	625	2.55	1.96	0.77	661	2.38	1.83	0.77	684
29	24	2.88	1.87	0.65	649	2.70	1.76	0.65	679	2.55	1.66	0.65	708
29	26	3.03	1.60	0.53	673	2.85	1.51	0.53	702	2.68	1.42	0.53	732
30	18	2.45	2.45	1.00	578	2.25	2.25	1.00	614	2.08	2.08	1.00	637
30	20	2.58	2.39	0.93	602	2.40	2.23	0.93	631	2.23	2.07	0.93	667
30	22	2.73	2.21	0.81	625	2.55	2.07	0.81	661	2.38	1.92	0.81	684
30	24	2.88	1.98	0.69	649	2.70	1.86	0.69	679	2.55	1.76	0.69	708
30	26	3.03	1.72	0.57	673	2.85	1.62	0.57	702	2.68	1.52	0.57	732
31	18	2.45	2.45	1.00	578	2.25	2.25	1.00	614	2.08	2.08	1.00	637
31	20	2.58	2.50	0.97	602	2.40	2.33	0.97	631	2.23	2.16	0.97	667
31	22	2.73	2.32	0.85	625	2.55	2.17	0.85	661	2.38	2.02	0.85	684
31	24	2.88	2.10	0.73	649	2.70	1.97	0.73	679	2.55	1.86	0.73	708
31	26	3.03	1.85	0.61	673	2.85	1.74	0.61	702	2.68	1.63	0.61	732
32	18	2.45	2.45	1.00	578	2.25	2.25	1.00	614	2.08	2.08	1.00	637
32	20	2.58	2.58	1.00	602	2.40	2.40	1.00	631	2.23	2.23	1.00	667
32	22	2.73	2.43	0.89	625	2.55	2.27	0.89	661	2.38	2.11	0.89	684
32	24	2.88	2.21	0.77	649	2.70	2.08	0.77	679	2.55	1.96	0.77	708
32	26	3.03	1.97	0.65	673	2.85	1.85	0.65	702	2.68	1.74	0.65	732

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MLZ-KP35VF: SUZ-M35VA

CAPACITY: 3.5 kW SHF: 0.74 INPUT: 940 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.11	2.30	0.56	752	3.94	2.21	0.56	790	3.78	2.12	0.56	827	3.64	2.04	0.56	865
21	20	4.29	1.89	0.44	790	4.11	1.81	0.44	837	3.99	1.76	0.44	855	3.85	1.69	0.44	893
22	18	4.11	2.47	0.60	752	3.94	2.36	0.60	790	3.78	2.27	0.60	827	3.64	2.18	0.60	865
22	20	4.29	2.06	0.48	790	4.11	1.97	0.48	837	3.99	1.92	0.48	855	3.85	1.85	0.48	893
22	22	4.46	1.61	0.36	818	4.31	1.55	0.36	870	4.20	1.51	0.36	893	4.03	1.45	0.36	931
23	18	4.11	2.63	0.64	752	3.94	2.52	0.64	790	3.78	2.42	0.64	827	3.64	2.33	0.64	865
23	20	4.29	2.23	0.52	790	4.11	2.14	0.52	837	3.99	2.07	0.52	855	3.85	2.00	0.52	893
23	22	4.46	1.79	0.40	818	4.31	1.72	0.40	870	4.20	1.68	0.40	893	4.03	1.61	0.40	931
24	18	4.11	2.80	0.68	752	3.94	2.68	0.68	790	3.78	2.57	0.68	827	3.64	2.48	0.68	865
24	20	4.29	2.40	0.56	790	4.11	2.30	0.56	837	3.99	2.23	0.56	855	3.85	2.16	0.56	893
24	22	4.46	1.96	0.44	818	4.31	1.89	0.44	870	4.20	1.85	0.44	893	4.03	1.77	0.44	931
24	24	4.69	1.50	0.32	855	4.52	1.44	0.32	902	4.41	1.41	0.32	931	4.27	1.37	0.32	978
25	20	4.29	2.57	0.60	790	4.11	2.47	0.60	837	3.99	2.39	0.60	855	3.85	2.31	0.60	893
25	22	4.46	2.14	0.48	818	4.31	2.07	0.48	870	4.20	2.02	0.48	893	4.03	1.93	0.48	931
25	24	4.69	1.69	0.36	855	4.52	1.63	0.36	902	4.41	1.59	0.36	931	4.27	1.54	0.36	978
26	18	4.11	3.13	0.76	752	3.94	2.99	0.76	790	3.78	2.87	0.76	827	3.64	2.77	0.76	865
26	20	4.29	2.74	0.64	790	4.11	2.63	0.64	837	3.99	2.55	0.64	855	3.85	2.46	0.64	893
26	22	4.46	2.32	0.52	818	4.31	2.24	0.52	870	4.20	2.18	0.52	893	4.03	2.09	0.52	931
26	24	4.69	1.88	0.40	855	4.52	1.81	0.40	902	4.41	1.76	0.40	931	4.27	1.71	0.40	978
26	26	4.83	1.35	0.28	902	4.69	1.31	0.28	949	4.62	1.29	0.28	978	4.48	1.25	0.28	1,006
27	18	4.11	3.29	0.80	752	3.94	3.15	0.80	790	3.78	3.02	0.80	827	3.64	2.91	0.80	865
27	20	4.29	2.92	0.68	790	4.11	2.80	0.68	837	3.99	2.71	0.68	855	3.85	2.62	0.68	893
27	22	4.46	2.50	0.56	818	4.31	2.41	0.56	870	4.20	2.35	0.56	893	4.03	2.25	0.56	931
27	24	4.69	2.06	0.44	855	4.52	1.99	0.44	902	4.41	1.94	0.44	931	4.27	1.88	0.44	978
27	26	4.83	1.55	0.32	902	4.69	1.50	0.32	949	4.62	1.48	0.32	978	4.48	1.43	0.32	1,006
28	18	4.11	3.45	0.84	752	3.94	3.31	0.84	790	3.78	3.18	0.84	827	3.64	3.06	0.84	865
28	20	4.29	3.09	0.72	790	4.11	2.96	0.72	837	3.99	2.87	0.72	855	3.85	2.77	0.72	893
28	22	4.46	2.68	0.60	818	4.31	2.58	0.60	870	4.20	2.52	0.60	893	4.03	2.42	0.60	931
28	24	4.69	2.25	0.48	855	4.52	2.17	0.48	902	4.41	2.12	0.48	931	4.27	2.05	0.48	978
28	26	4.83	1.74	0.36	902	4.69	1.69	0.36	949	4.62	1.66	0.36	978	4.48	1.61	0.36	1,006
29	18	4.11	3.62	0.88	752	3.94	3.47	0.88	790	3.78	3.33	0.88	827	3.64	3.20	0.88	865
29	20	4.29	3.26	0.76	790	4.11	3.13	0.76	837	3.99	3.03	0.76	855	3.85	2.93	0.76	893
29	22	4.46	2.86	0.64	818	4.31	2.76	0.64	870	4.20	2.69	0.64	893	4.03	2.58	0.64	931
29	24	4.69	2.44	0.52	855	4.52	2.35	0.52	902	4.41	2.29	0.52	931	4.27	2.22	0.52	978
29	26	4.83	1.93	0.40	902	4.69	1.88	0.40	949	4.62	1.85	0.40	978	4.48	1.79	0.40	1,006
30	18	4.11	3.78	0.92	752	3.94	3.62	0.92	790	3.78	3.48	0.92	827	3.64	3.35	0.92	865
30	20	4.29	3.43	0.80	790	4.11	3.29	0.80	837	3.99	3.19	0.80	855	3.85	3.08	0.80	893
30	22	4.46	3.03	0.68	818	4.31	2.93	0.68	870	4.20	2.86	0.68	893	4.03	2.74	0.68	931
30	24	4.69	2.63	0.56	855	4.52	2.53	0.56	902	4.41	2.47	0.56	931	4.27	2.39	0.56	978
30	26	4.83	2.13	0.44	902	4.69	2.06	0.44	949	4.62	2.03	0.44	978	4.48	1.97	0.44	1,006
31	18	4.11	3.95	0.96	752	3.94	3.78	0.96	790	3.78	3.63	0.96	827	3.64	3.49	0.96	865
31	20	4.29	3.60	0.84	790	4.11	3.45	0.84	837	3.99	3.35	0.84	855	3.85	3.23	0.84	893
31	22	4.46	3.21	0.72	818	4.31	3.10	0.72	870	4.20	3.02	0.72	893	4.03	2.90	0.72	931
31	24	4.69	2.81	0.60	855	4.52	2.71	0.60	902	4.41	2.65	0.60	931	4.27	2.56	0.60	978
31	26	4.83	2.32	0.48	902	4.69	2.25	0.48	949	4.62	2.22	0.48	978	4.48	2.15	0.48	1,006
32	18	4.11	4.11	1.00	752	3.94	3.94	1.00	790	3.78	3.78	1.00	827	3.64	3.64	1.00	865
32	20	4.29	3.77	0.88	790	4.11	3.62	0.88	837	3.99	3.51	0.88	855	3.85	3.39	0.88	893
32	22	4.46	3.39	0.76	818	4.31	3.27	0.76	870	4.20	3.19	0.76	893	4.03	3.06	0.76	931
32	24	4.69	3.00	0.64	855	4.52	2.89	0.64	902	4.41	2.82	0.64	931	4.27	2.73	0.64	978
32	26	4.83	2.51	0.52	902	4.69	2.44	0.52	949	4.62	2.40	0.52	978	4.48	2.33	0.52	1,006

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MLZ-KP35VF: SUZ-M35VA

CAPACITY: 3.5 kW SHF: 0.74 INPUT: 940 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.43	1.92	0.56	921	3.15	1.76	0.56	978	2.91	1.63	0.56	1,015
21	20	3.61	1.59	0.44	959	3.36	1.48	0.44	1,006	3.12	1.37	0.44	1,062
22	18	3.43	2.06	0.60	921	3.15	1.89	0.60	978	2.91	1.74	0.60	1,015
22	20	3.61	1.73	0.48	959	3.36	1.61	0.48	1,006	3.12	1.50	0.48	1,062
22	22	3.82	1.37	0.36	996	3.57	1.29	0.36	1,053	3.33	1.20	0.36	1,090
23	18	3.43	2.20	0.64	921	3.15	2.02	0.64	978	2.91	1.86	0.64	1,015
23	20	3.61	1.87	0.52	959	3.36	1.75	0.52	1,006	3.12	1.62	0.52	1,062
23	22	3.82	1.53	0.40	996	3.57	1.43	0.40	1,053	3.33	1.33	0.40	1,090
24	18	3.43	2.33	0.68	921	3.15	2.14	0.68	978	2.91	1.98	0.68	1,015
24	20	3.61	2.02	0.56	959	3.36	1.88	0.56	1,006	3.12	1.74	0.56	1,062
24	22	3.82	1.68	0.44	996	3.57	1.57	0.44	1,053	3.33	1.46	0.44	1,090
24	24	4.03	1.29	0.32	1,034	3.78	1.21	0.32	1,081	3.57	1.14	0.32	1,128
25	20	3.61	2.16	0.60	959	3.36	2.02	0.60	1,006	3.12	1.87	0.60	1,062
25	22	3.82	1.83	0.48	996	3.57	1.71	0.48	1,053	3.33	1.60	0.48	1,090
25	24	4.03	1.45	0.36	1,034	3.78	1.36	0.36	1,081	3.57	1.29	0.36	1,128
26	18	3.43	2.61	0.76	921	3.15	2.39	0.76	978	2.91	2.21	0.76	1,015
26	20	3.61	2.31	0.64	959	3.36	2.15	0.64	1,006	3.12	1.99	0.64	1,062
26	22	3.82	1.98	0.52	996	3.57	1.86	0.52	1,053	3.33	1.73	0.52	1,090
26	24	4.03	1.61	0.40	1,034	3.78	1.51	0.40	1,081	3.57	1.43	0.40	1,128
26	26	4.24	1.19	0.28	1,072	3.99	1.12	0.28	1,119	3.75	1.05	0.28	1,166
27	18	3.43	2.74	0.80	921	3.15	2.52	0.80	978	2.91	2.32	0.80	1,015
27	20	3.61	2.45	0.68	959	3.36	2.28	0.68	1,006	3.12	2.12	0.68	1,062
27	22	3.82	2.14	0.56	996	3.57	2.00	0.56	1,053	3.33	1.86	0.56	1,090
27	24	4.03	1.77	0.44	1,034	3.78	1.66	0.44	1,081	3.57	1.57	0.44	1,128
27	26	4.24	1.36	0.32	1,072	3.99	1.28	0.32	1,119	3.75	1.20	0.32	1,166
28	18	3.43	2.88	0.84	921	3.15	2.65	0.84	978	2.91	2.44	0.84	1,015
28	20	3.61	2.60	0.72	959	3.36	2.42	0.72	1,006	3.12	2.24	0.72	1,062
28	22	3.82	2.29	0.60	996	3.57	2.14	0.60	1,053	3.33	2.00	0.60	1,090
28	24	4.03	1.93	0.48	1,034	3.78	1.81	0.48	1,081	3.57	1.71	0.48	1,128
28	26	4.24	1.52	0.36	1,072	3.99	1.44	0.36	1,119	3.75	1.35	0.36	1,166
29	18	3.43	3.02	0.88	921	3.15	2.77	0.88	978	2.91	2.56	0.88	1,015
29	20	3.61	2.74	0.76	959	3.36	2.55	0.76	1,006	3.12	2.37	0.76	1,062
29	22	3.82	2.44	0.64	996	3.57	2.28	0.64	1,053	3.33	2.13	0.64	1,090
29	24	4.03	2.09	0.52	1,034	3.78	1.97	0.52	1,081	3.57	1.86	0.52	1,128
29	26	4.24	1.69	0.40	1,072	3.99	1.60	0.40	1,119	3.75	1.50	0.40	1,166
30	18	3.43	3.16	0.92	921	3.15	2.90	0.92	978	2.91	2.67	0.92	1,015
30	20	3.61	2.88	0.80	959	3.36	2.69	0.80	1,006	3.12	2.49	0.80	1,062
30	22	3.82	2.59	0.68	996	3.57	2.43	0.68	1,053	3.33	2.26	0.68	1,090
30	24	4.03	2.25	0.56	1,034	3.78	2.12	0.56	1,081	3.57	2.00	0.56	1,128
30	26	4.24	1.86	0.44	1,072	3.99	1.76	0.44	1,119	3.75	1.65	0.44	1,166
31	18	3.43	3.29	0.96	921	3.15	3.02	0.96	978	2.91	2.79	0.96	1,015
31	20	3.61	3.03	0.84	959	3.36	2.82	0.84	1,006	3.12	2.62	0.84	1,062
31	22	3.82	2.75	0.72	996	3.57	2.57	0.72	1,053	3.33	2.39	0.72	1,090
31	24	4.03	2.42	0.60	1,034	3.78	2.27	0.60	1,081	3.57	2.14	0.60	1,128
31	26	4.24	2.03	0.48	1,072	3.99	1.92	0.48	1,119	3.75	1.80	0.48	1,166
32	18	3.43	3.43	1.00	921	3.15	3.15	1.00	978	2.91	2.91	1.00	1,015
32	20	3.61	3.17	0.88	959	3.36	2.96	0.88	1,006	3.12	2.74	0.88	1,062
32	22	3.82	2.90	0.76	996	3.57	2.71	0.76	1,053	3.33	2.53	0.76	1,090
32	24	4.03	2.58	0.64	1,034	3.78	2.42	0.64	1,081	3.57	2.28	0.64	1,128
32	26	4.24	2.20	0.52	1,072	3.99	2.07	0.52	1,119	3.75	1.95	0.52	1,166

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MLZ-KP50VF: SUZ-M50VA

CAPACITY: 5.0 kW SHF: 0.72 INPUT: 1,380 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)															
		21				25				27				30			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	5.88	3.17	0.54	1,104	5.63	3.04	0.54	1,159	5.40	2.92	0.54	1,214	5.20	2.81	0.54	1,270
21	20	6.13	2.57	0.42	1,159	5.88	2.47	0.42	1,228	5.70	2.39	0.42	1,256	5.50	2.31	0.42	1,311
22	18	5.88	3.41	0.58	1,104	5.63	3.26	0.58	1,159	5.40	3.13	0.58	1,214	5.20	3.02	0.58	1,270
22	20	6.13	2.82	0.46	1,159	5.88	2.70	0.46	1,228	5.70	2.62	0.46	1,256	5.50	2.53	0.46	1,311
22	22	6.38	2.17	0.34	1,201	6.15	2.09	0.34	1,277	6.00	2.04	0.34	1,311	5.75	1.96	0.34	1,366
23	18	5.88	3.64	0.62	1,104	5.63	3.49	0.62	1,159	5.40	3.35	0.62	1,214	5.20	3.22	0.62	1,270
23	20	6.13	3.06	0.50	1,159	5.88	2.94	0.50	1,228	5.70	2.85	0.50	1,256	5.50	2.75	0.50	1,311
23	22	6.38	2.42	0.38	1,201	6.15	2.34	0.38	1,277	6.00	2.28	0.38	1,311	5.75	2.19	0.38	1,366
24	18	5.88	3.88	0.66	1,104	5.63	3.71	0.66	1,159	5.40	3.56	0.66	1,214	5.20	3.43	0.66	1,270
24	20	6.13	3.31	0.54	1,159	5.88	3.17	0.54	1,228	5.70	3.08	0.54	1,256	5.50	2.97	0.54	1,311
24	22	6.38	2.68	0.42	1,201	6.15	2.58	0.42	1,277	6.00	2.52	0.42	1,311	5.75	2.42	0.42	1,366
24	24	6.70	2.01	0.30	1,256	6.45	1.94	0.30	1,325	6.30	1.89	0.30	1,366	6.10	1.83	0.30	1,435
25	20	6.13	3.55	0.58	1,159	5.88	3.41	0.58	1,228	5.70	3.31	0.58	1,256	5.50	3.19	0.58	1,311
25	22	6.38	2.93	0.46	1,201	6.15	2.83	0.46	1,277	6.00	2.76	0.46	1,311	5.75	2.65	0.46	1,366
25	24	6.70	2.28	0.34	1,256	6.45	2.19	0.34	1,325	6.30	2.14	0.34	1,366	6.10	2.07	0.34	1,435
26	18	5.88	4.35	0.74	1,104	5.63	4.16	0.74	1,159	5.40	4.00	0.74	1,214	5.20	3.85	0.74	1,270
26	20	6.13	3.80	0.62	1,159	5.88	3.64	0.62	1,228	5.70	3.53	0.62	1,256	5.50	3.41	0.62	1,311
26	22	6.38	3.19	0.50	1,201	6.15	3.08	0.50	1,277	6.00	3.00	0.50	1,311	5.75	2.88	0.50	1,366
26	24	6.70	2.55	0.38	1,256	6.45	2.45	0.38	1,325	6.30	2.39	0.38	1,366	6.10	2.32	0.38	1,435
26	26	6.90	1.79	0.26	1,325	6.70	1.74	0.26	1,394	6.60	1.72	0.26	1,435	6.40	1.66	0.26	1,477
27	18	5.88	4.58	0.78	1,104	5.63	4.39	0.78	1,159	5.40	4.21	0.78	1,214	5.20	4.06	0.78	1,270
27	20	6.13	4.04	0.66	1,159	5.88	3.88	0.66	1,228	5.70	3.76	0.66	1,256	5.50	3.63	0.66	1,311
27	22	6.38	3.44	0.54	1,201	6.15	3.32	0.54	1,277	6.00	3.24	0.54	1,311	5.75	3.11	0.54	1,366
27	24	6.70	2.81	0.42	1,256	6.45	2.71	0.42	1,325	6.30	2.65	0.42	1,366	6.10	2.56	0.42	1,435
27	26	6.90	2.07	0.30	1,325	6.70	2.01	0.30	1,394	6.60	1.98	0.30	1,435	6.40	1.92	0.30	1,477
28	18	5.88	4.82	0.82	1,104	5.63	4.61	0.82	1,159	5.40	4.43	0.82	1,214	5.20	4.26	0.82	1,270
28	20	6.13	4.29	0.70	1,159	5.88	4.11	0.70	1,228	5.70	3.99	0.70	1,256	5.50	3.85	0.70	1,311
28	22	6.38	3.70	0.58	1,201	6.15	3.57	0.58	1,277	6.00	3.48	0.58	1,311	5.75	3.34	0.58	1,366
28	24	6.70	3.08	0.46	1,256	6.45	2.97	0.46	1,325	6.30	2.90	0.46	1,366	6.10	2.81	0.46	1,435
28	26	6.90	2.35	0.34	1,325	6.70	2.28	0.34	1,394	6.60	2.24	0.34	1,435	6.40	2.18	0.34	1,477
29	18	5.88	5.05	0.86	1,104	5.63	4.84	0.86	1,159	5.40	4.64	0.86	1,214	5.20	4.47	0.86	1,270
29	20	6.13	4.53	0.74	1,159	5.88	4.35	0.74	1,228	5.70	4.22	0.74	1,256	5.50	4.07	0.74	1,311
29	22	6.38	3.95	0.62	1,201	6.15	3.81	0.62	1,277	6.00	3.72	0.62	1,311	5.75	3.57	0.62	1,366
29	24	6.70	3.35	0.50	1,256	6.45	3.23	0.50	1,325	6.30	3.15	0.50	1,366	6.10	3.05	0.50	1,435
29	26	6.90	2.62	0.38	1,325	6.70	2.55	0.38	1,394	6.60	2.51	0.38	1,435	6.40	2.43	0.38	1,477
30	18	5.88	5.29	0.90	1,104	5.63	5.06	0.90	1,159	5.40	4.86	0.90	1,214	5.20	4.68	0.90	1,270
30	20	6.13	4.78	0.78	1,159	5.88	4.58	0.78	1,228	5.70	4.45	0.78	1,256	5.50	4.29	0.78	1,311
30	22	6.38	4.21	0.66	1,201	6.15	4.06	0.66	1,277	6.00	3.96	0.66	1,311	5.75	3.80	0.66	1,366
30	24	6.70	3.62	0.54	1,256	6.45	3.48	0.54	1,325	6.30	3.40	0.54	1,366	6.10	3.29	0.54	1,435
30	26	6.90	2.90	0.42	1,325	6.70	2.81	0.42	1,394	6.60	2.77	0.42	1,435	6.40	2.69	0.42	1,477
31	18	5.88	5.52	0.94	1,104	5.63	5.29	0.94	1,159	5.40	5.08	0.94	1,214	5.20	4.89	0.94	1,270
31	20	6.13	5.02	0.82	1,159	5.88	4.82	0.82	1,228	5.70	4.67	0.82	1,256	5.50	4.51	0.82	1,311
31	22	6.38	4.46	0.70	1,201	6.15	4.31	0.70	1,277	6.00	4.20	0.70	1,311	5.75	4.03	0.70	1,366
31	24	6.70	3.89	0.58	1,256	6.45	3.74	0.58	1,325	6.30	3.65	0.58	1,366	6.10	3.54	0.58	1,435
31	26	6.90	3.17	0.46	1,325	6.70	3.08	0.46	1,394	6.60	3.04	0.46	1,435	6.40	2.94	0.46	1,477
32	18	5.88	5.76	0.98	1,104	5.63	5.51	0.98	1,159	5.40	5.29	0.98	1,214	5.20	5.10	0.98	1,270
32	20	6.13	5.27	0.86	1,159	5.88	5.05	0.86	1,228	5.70	4.90	0.86	1,256	5.50	4.73	0.86	1,311
32	22	6.38	4.72	0.74	1,201	6.15	4.55	0.74	1,277	6.00	4.44	0.74	1,311	5.75	4.26	0.74	1,366
32	24	6.70	4.15	0.62	1,256	6.45	4.00	0.62	1,325	6.30	3.91	0.62	1,366	6.10	3.78	0.62	1,435
32	26	6.90	3.45	0.50	1,325	6.70	3.35	0.50	1,394	6.60	3.30	0.50	1,435	6.40	3.20	0.50	1,477

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA COOL operation at Rated frequency

MLZ-KP50VF: SUZ-M50VA

CAPACITY: 5.0 kW SHF: 0.72 INPUT: 1,380 W

INDOOR DB (°C)	INDOOR WB (°C)	OUTDOOR DB (°C)											
		35				40				46			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	4.90	2.65	0.54	1,352	4.50	2.43	0.54	1,435	4.15	2.24	0.54	1,490
21	20	5.15	2.16	0.42	1,408	4.80	2.02	0.42	1,477	4.45	1.87	0.42	1,559
22	18	4.90	2.84	0.58	1,352	4.50	2.61	0.58	1,435	4.15	2.41	0.58	1,490
22	20	5.15	2.37	0.46	1,408	4.80	2.21	0.46	1,477	4.45	2.05	0.46	1,559
22	22	5.45	1.85	0.34	1,463	5.10	1.73	0.34	1,546	4.75	1.62	0.34	1,601
23	18	4.90	3.04	0.62	1,352	4.50	2.79	0.62	1,435	4.15	2.57	0.62	1,490
23	20	5.15	2.58	0.50	1,408	4.80	2.40	0.50	1,477	4.45	2.23	0.50	1,559
23	22	5.45	2.07	0.38	1,463	5.10	1.94	0.38	1,546	4.75	1.81	0.38	1,601
24	18	4.90	3.23	0.66	1,352	4.50	2.97	0.66	1,435	4.15	2.74	0.66	1,490
24	20	5.15	2.78	0.54	1,408	4.80	2.59	0.54	1,477	4.45	2.40	0.54	1,559
24	22	5.45	2.29	0.42	1,463	5.10	2.14	0.42	1,546	4.75	2.00	0.42	1,601
24	24	5.75	1.73	0.30	1,518	5.40	1.62	0.30	1,587	5.10	1.53	0.30	1,656
25	20	5.15	2.99	0.58	1,408	4.80	2.78	0.58	1,477	4.45	2.58	0.58	1,559
25	22	5.45	2.51	0.46	1,463	5.10	2.35	0.46	1,546	4.75	2.19	0.46	1,601
25	24	5.75	1.96	0.34	1,518	5.40	1.84	0.34	1,587	5.10	1.73	0.34	1,656
26	18	4.90	3.63	0.74	1,352	4.50	3.33	0.74	1,435	4.15	3.07	0.74	1,490
26	20	5.15	3.19	0.62	1,408	4.80	2.98	0.62	1,477	4.45	2.76	0.62	1,559
26	22	5.45	2.73	0.50	1,463	5.10	2.55	0.50	1,546	4.75	2.38	0.50	1,601
26	24	5.75	2.19	0.38	1,518	5.40	2.05	0.38	1,587	5.10	1.94	0.38	1,656
26	26	6.05	1.57	0.26	1,573	5.70	1.48	0.26	1,642	5.35	1.39	0.26	1,711
27	18	4.90	3.82	0.78	1,352	4.50	3.51	0.78	1,435	4.15	3.24	0.78	1,490
27	20	5.15	3.40	0.66	1,408	4.80	3.17	0.66	1,477	4.45	2.94	0.66	1,559
27	22	5.45	2.94	0.54	1,463	5.10	2.75	0.54	1,546	4.75	2.57	0.54	1,601
27	24	5.75	2.42	0.42	1,518	5.40	2.27	0.42	1,587	5.10	2.14	0.42	1,656
27	26	6.05	1.82	0.30	1,573	5.70	1.71	0.30	1,642	5.35	1.61	0.30	1,711
28	18	4.90	4.02	0.82	1,352	4.50	3.69	0.82	1,435	4.15	3.40	0.82	1,490
28	20	5.15	3.61	0.70	1,408	4.80	3.36	0.70	1,477	4.45	3.12	0.70	1,559
28	22	5.45	3.16	0.58	1,463	5.10	2.96	0.58	1,546	4.75	2.76	0.58	1,601
28	24	5.75	2.65	0.46	1,518	5.40	2.48	0.46	1,587	5.10	2.35	0.46	1,656
28	26	6.05	2.06	0.34	1,573	5.70	1.94	0.34	1,642	5.35	1.82	0.34	1,711
29	18	4.90	4.21	0.86	1,352	4.50	3.87	0.86	1,435	4.15	3.57	0.86	1,490
29	20	5.15	3.81	0.74	1,408	4.80	3.55	0.74	1,477	4.45	3.29	0.74	1,559
29	22	5.45	3.38	0.62	1,463	5.10	3.16	0.62	1,546	4.75	2.95	0.62	1,601
29	24	5.75	2.88	0.50	1,518	5.40	2.70	0.50	1,587	5.10	2.55	0.50	1,656
29	26	6.05	2.30	0.38	1,573	5.70	2.17	0.38	1,642	5.35	2.03	0.38	1,711
30	18	4.90	4.41	0.90	1,352	4.50	4.05	0.90	1,435	4.15	3.74	0.90	1,490
30	20	5.15	4.02	0.78	1,408	4.80	3.74	0.78	1,477	4.45	3.47	0.78	1,559
30	22	5.45	3.60	0.66	1,463	5.10	3.37	0.66	1,546	4.75	3.14	0.66	1,601
30	24	5.75	3.11	0.54	1,518	5.40	2.92	0.54	1,587	5.10	2.75	0.54	1,656
30	26	6.05	2.54	0.42	1,573	5.70	2.39	0.42	1,642	5.35	2.25	0.42	1,711
31	18	4.90	4.61	0.94	1,352	4.50	4.23	0.94	1,435	4.15	3.90	0.94	1,490
31	20	5.15	4.22	0.82	1,408	4.80	3.94	0.82	1,477	4.45	3.65	0.82	1,559
31	22	5.45	3.82	0.70	1,463	5.10	3.57	0.70	1,546	4.75	3.33	0.70	1,601
31	24	5.75	3.34	0.58	1,518	5.40	3.13	0.58	1,587	5.10	2.96	0.58	1,656
31	26	6.05	2.78	0.46	1,573	5.70	2.62	0.46	1,642	5.35	2.46	0.46	1,711
32	18	4.90	4.80	0.98	1,352	4.50	4.41	0.98	1,435	4.15	4.07	0.98	1,490
32	20	5.15	4.43	0.86	1,408	4.80	4.13	0.86	1,477	4.45	3.83	0.86	1,559
32	22	5.45	4.03	0.74	1,463	5.10	3.77	0.74	1,546	4.75	3.52	0.74	1,601
32	24	5.75	3.57	0.62	1,518	5.40	3.35	0.62	1,587	5.10	3.16	0.62	1,656
32	26	6.05	3.03	0.50	1,573	5.70	2.85	0.50	1,642	5.35	2.68	0.50	1,711

NOTE Q : Total capacity (kW) SHF : Sensible heat factor DB : Dry-bulb temperature
SHC : Sensible heat capacity (kW) INPUT : Total power input (W) WB : Wet-bulb temperature

PERFORMANCE DATA HEAT operation at Rated frequency

MLZ-KP25VF: SUZ-M25VA

CAPACITY: 3.2 kW INPUT: 800 W

INDOOR DB (°C)	OUTDOOR WB (°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	1.60	416	2.02	520	2.43	624	2.85	704	3.26	760	3.68	808	4.06	832	4.48	848
21	1.50	443	1.92	560	2.30	664	2.72	736	3.10	792	3.52	832	3.90	856	4.30	888
26	1.31	480	1.73	600	2.14	704	2.53	776	2.94	832	3.36	872	3.74	896	4.16	920

MLZ-KP35VF: SUZ-M35VA

CAPACITY: 4.1 kW INPUT: 1100 W

INDOOR DB (°C)	OUTDOOR WB (°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	2.05	572	2.58	715	3.12	858	3.65	968	4.18	1045	4.72	1111	5.21	1144	5.74	1166
21	1.93	609	2.46	770	2.95	913	3.49	1012	3.98	1089	4.51	1144	5.00	1177	5.51	1221
26	1.68	660	2.21	825	2.75	968	3.24	1067	3.77	1144	4.31	1199	4.80	1232	5.33	1265

MLZ-KP50VF: SUZ-M50VA

CAPACITY: 6.0 kW INPUT: 1860 W

INDOOR DB (°C)	OUTDOOR WB (°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
15	3.00	967	3.78	1209	4.56	1451	5.34	1637	6.12	1767	6.90	1879	7.62	1934	8.40	1972
21	2.82	1030	3.60	1302	4.32	1544	5.10	1711	5.82	1841	6.60	1934	7.32	1990	8.07	2065
26	2.46	1116	3.24	1395	4.02	1637	4.74	1804	5.52	1934	6.30	2027	7.02	2083	7.80	2139

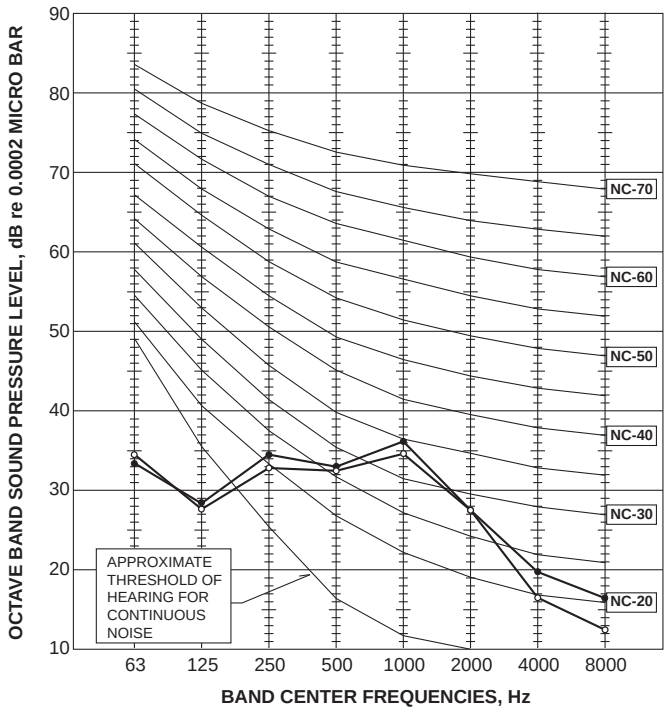
NOTE: Q: Total capacity (kW) INPUT : Total power input (W) DB: Dry-bulb temperature WB: Wet-bulb temperature

C.3.6 NOISE CRITERIA CURVES

C.3.6.1 Inverter Heat Pump

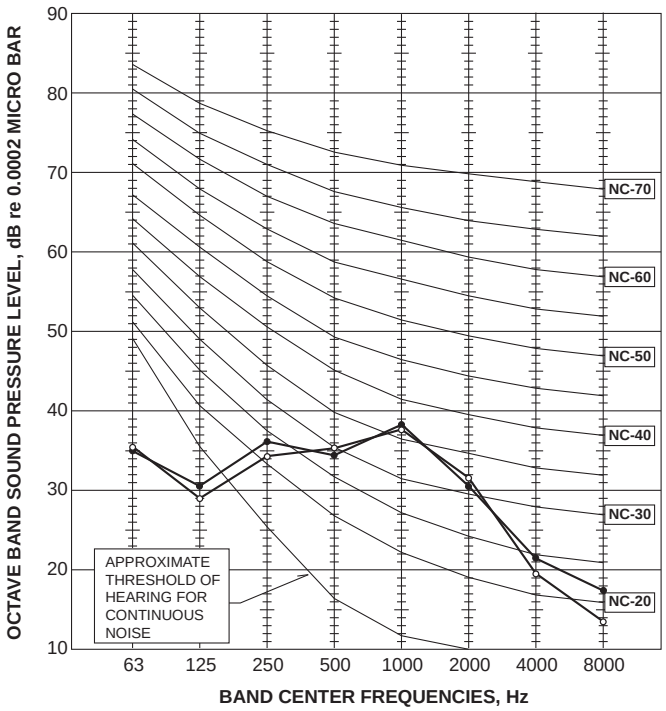
MLZ-KP25VF

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	38	●—●
	HEATING	37	○—○



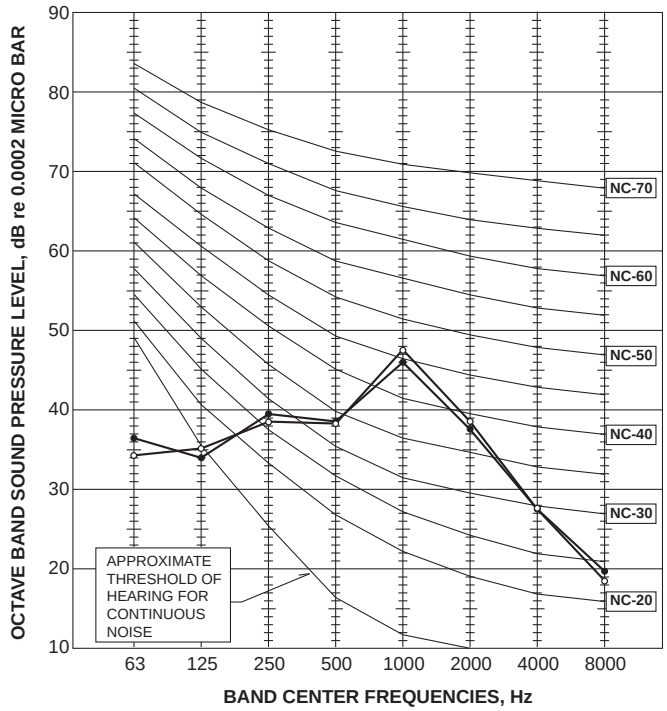
MLZ-KP35VF

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	40	●—●
	HEATING	40	○—○



MLZ-KP50VF

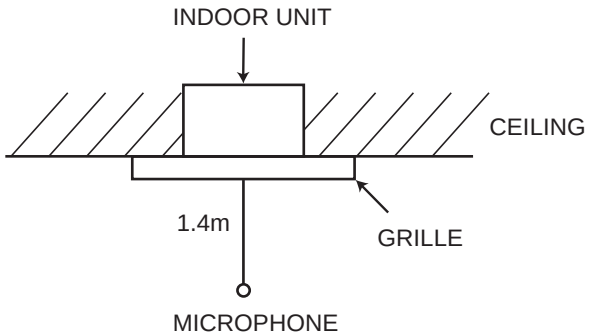
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	COOLING	47	●—●
	HEATING	48	○—○



Test conditions

Cooling : Dry-bulb temperature 27 °C Wet-bulb temperature 19 °C

Heating : Dry-bulb temperature 20 °C

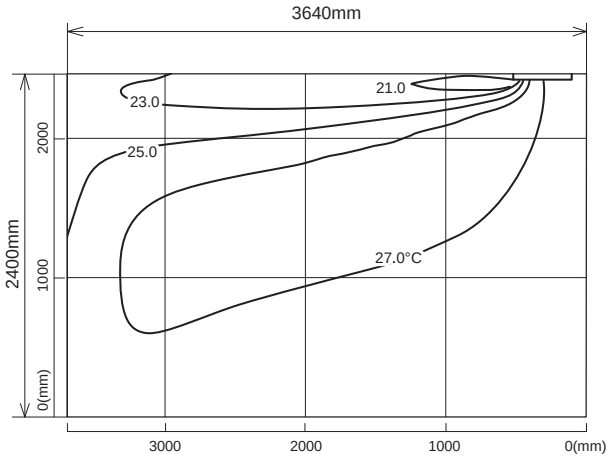


C.3.7 TEMPERATURE AND AIR FLOW DISTRIBUTIONS

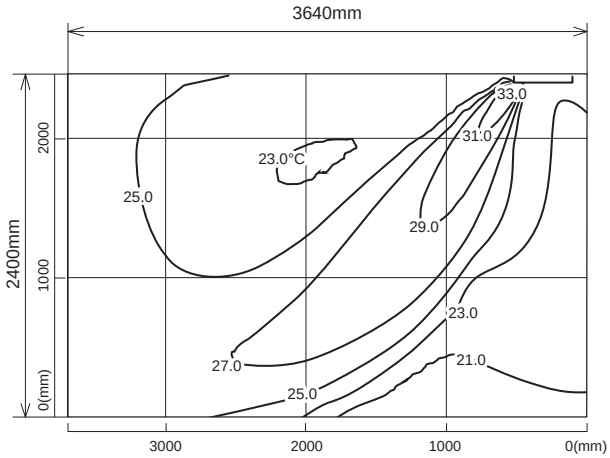
MLZ-KP25VF

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

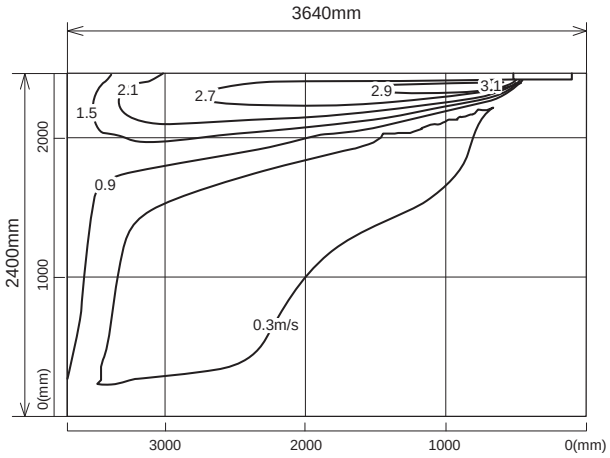


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

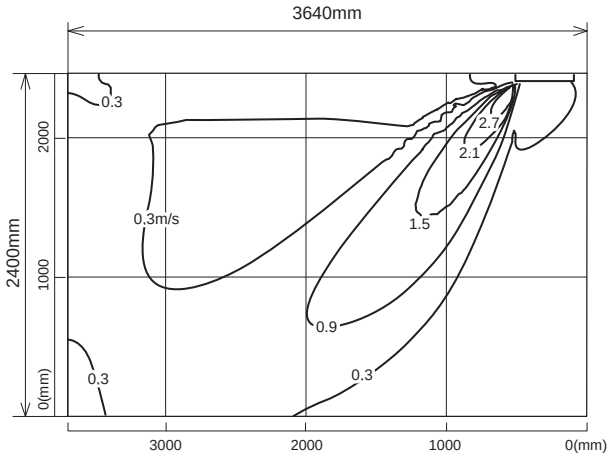


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

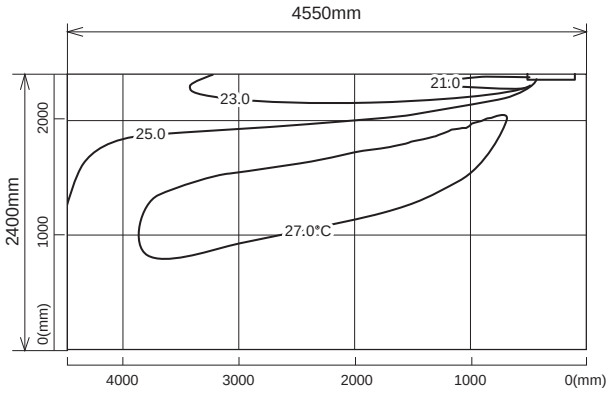


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

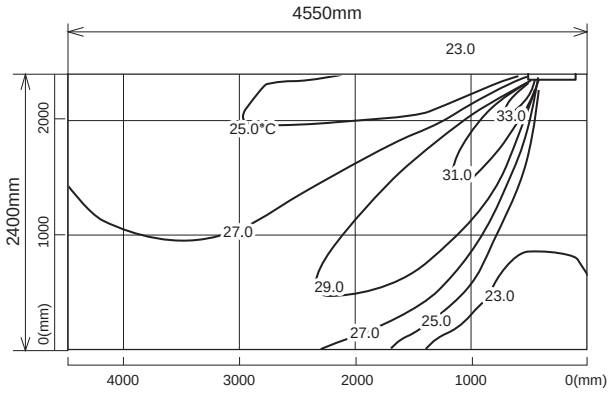
MLZ-KP35VF

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

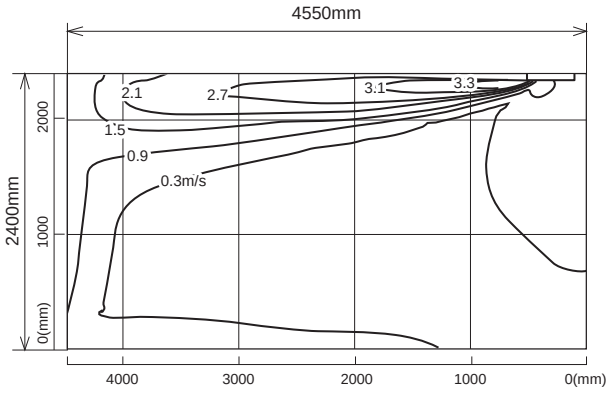


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

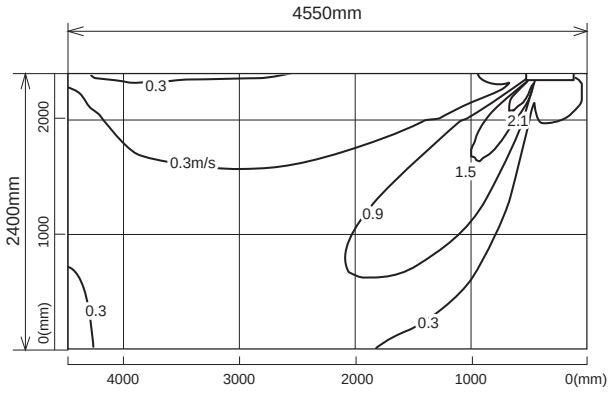


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

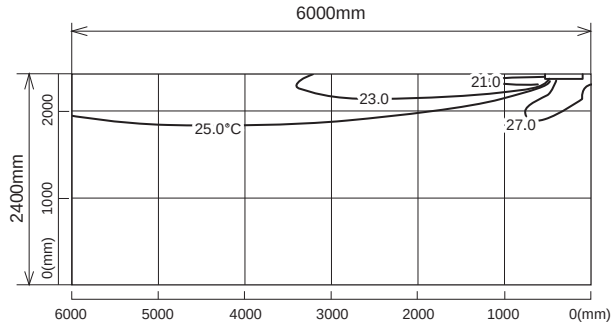


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

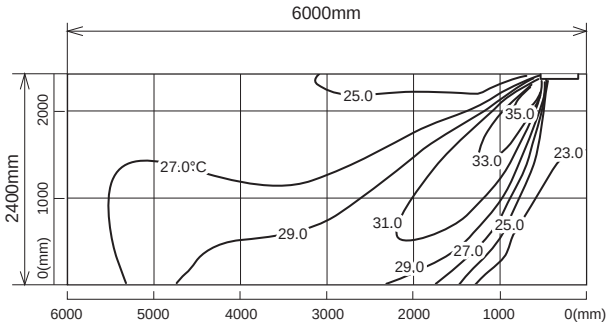
MLZ-KP50VF

Temperature distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)

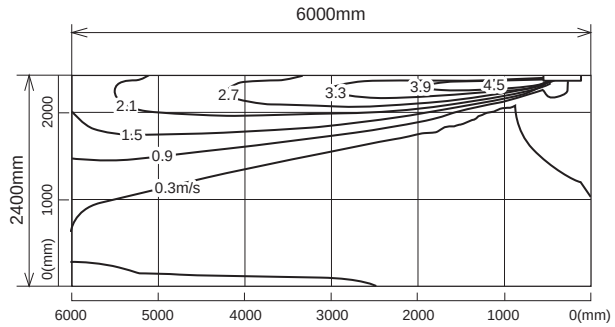


<Heating mode>
Air volume: high
Air direction: auto (downward air flow)

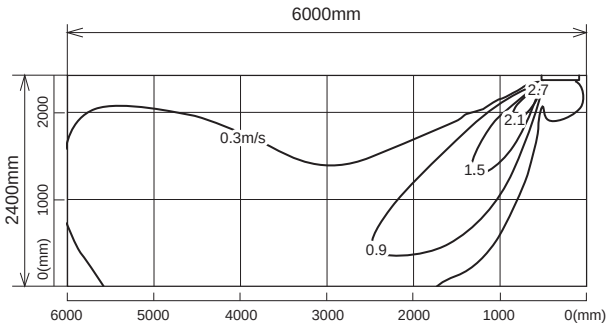


Airflow distribution

<Cooling mode>
Air volume: high
Air direction: auto (upward air flow)



<Heating mode>
Air volume: high
Air direction: auto (downward air flow)



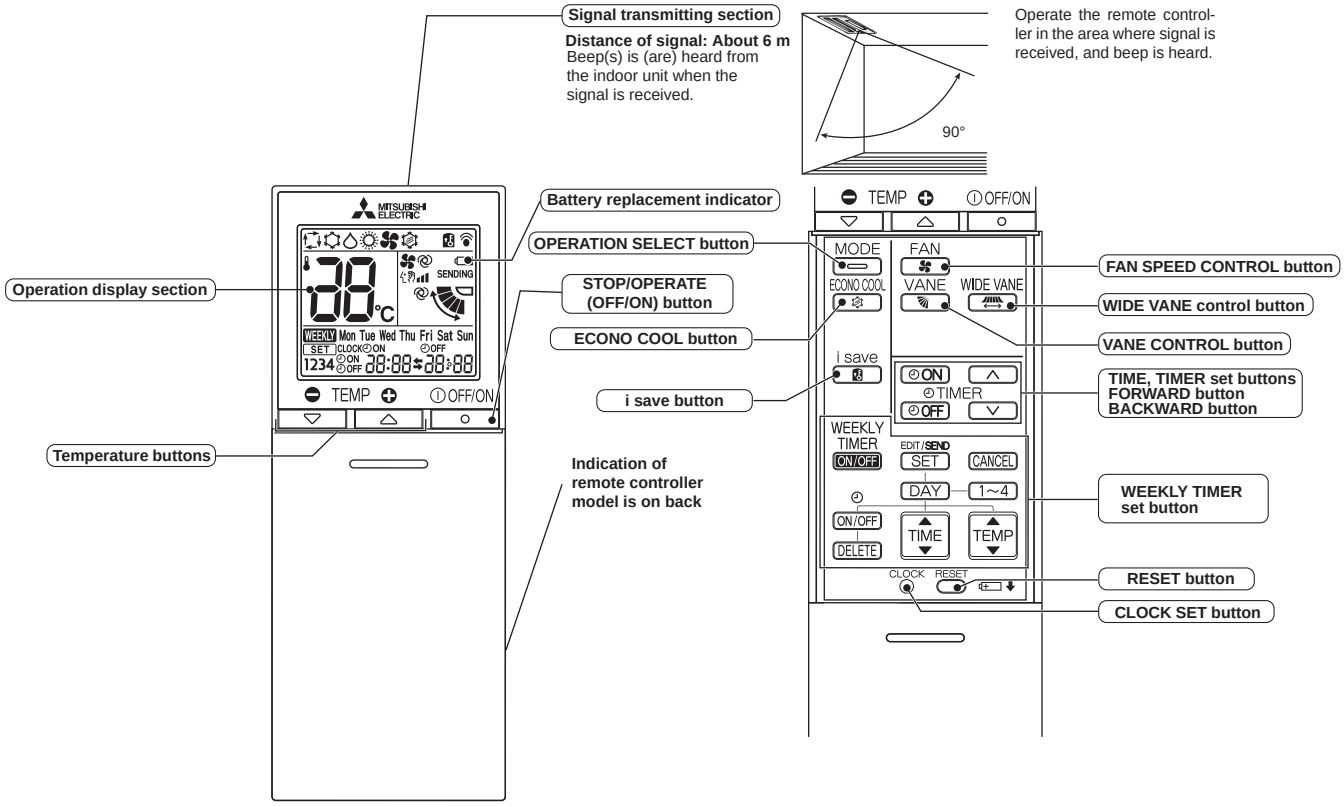
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load,obstacles,etc.

C.3.8 OPERATION

C.3.8.1 MLZ-KP・VF Series

MLZ-KP25VF
MLZ-KP35VF
MLZ-KP50VF

WIRELESS REMOTE CONTROLLER



NOTE: Last setting will be stored after the unit is turned OFF with the remote controller. Indoor unit receives the signal of the remote controller with beeps.

INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature
☀ ☀	The unit is operating to reach the set temperature	About 2°C or more away from set temperature
☀ ○	The room temperature is approaching the set temperature	About 1 to 2°C from set temperature
☀ ☼	Standby mode (Refer to multi system operation)	—

☀ Lit
☼ Blinking
○ Not lit

a. COOL (☼) OPERATION

(1) Press STOP/OPERATE(OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select COOL mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 16 - 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.
When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.
The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

b. DRY (△) OPERATION

(1) Press STOP/OPERATE(OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select DRY mode with OPERATION SELECT button.
(3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention

Coil frost prevention works the same way as that in COOL mode. (a.1.)

c. FAN (❀) OPERATION

(1) OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select FAN mode with OPERATION SELECT button.
(3) Select the desired fan speed. When AUTO, it becomes Low.
Only indoor fan operates.
Outdoor unit does not operate.

d. HEAT (☼) OPERATION

(1) Press STOP/OPERATE(OFF/ON) button.
OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
(2) Select HEAT mode with OPERATION SELECT button.
(3) Press TEMPERATURE buttons TEMP ⊖ or ⊕ button to select the desired temperature. The setting range is 10°C and 16 - 31°C.

1. Cold air prevention control

When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. Defrosting

Defrosting starts when the temperature of outdoor heat exchanger becomes too low.
The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor re-starts.
This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

e. AUTO CHANGE OVER ··· AUTO MODE OPERATION

Once desired temperature is set, unit operation is switched automatically between COOL and HEAT operation.

Mode selection

(1) Initial mode
When unit starts the operation with AUTO operation from OFF:
- If the room temperature is higher than the set temperature, operation starts in COOL mode.
- If the room temperature is equal to or lower than the set temperature, operation starts in HEAT mode.

(2) Mode change
COOL mode changes to HEAT mode when about 15 minutes have passed with the room temperature 2°C below the set temperature.
HEAT mode changes to COOL mode when about 15 minutes have passed with the room temperature 2°C above the set temperature.

NOTE 1

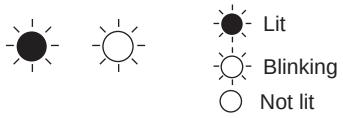
If 2 or more indoor units are operating in multi system, there might be a case that the indoor unit, which is operating in ▭ (AUTO), cannot change over to the other operating mode (COOL ↔ HEAT) and becomes a state of standby.
Refer to **NOTE 2 "FOR MULTI SYSTEM AIR CONDITIONER"**.

NOTE 2
FOR MULTI SYSTEM AIR CONDITIONER
OUTDOOR UNIT: MXZ series

Multi system air conditioner can connect 2 or more indoor units with one outdoor unit.

- When you try to operate 2 or more indoor units with one outdoor unit simultaneously, one for the cooling and the others for heating, the operation mode of the indoor unit that operates first is selected. Other indoor units cannot operate, and operation indicator lamp flashes as shown in the figure below. In this case, please set all the indoor units to the same operation mode.

OPERATION INDICATOR



- When indoor unit starts the operation while the defrosting of outdoor unit is being done, it takes a few minutes (max. 10 minutes) to blow out the warm air.
- In the heating operation, though indoor unit that does not operate may get warm or the sound of refrigerant flowing may be heard, they are not malfunction. The reason is that the refrigerant continuously flows into it.

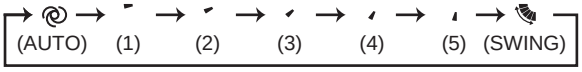
f. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive

These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL button.



NOTE:
The setting when the lower airflow is preferred in the Airflow direction (1)
The angle of airflow direction (1) can be slightly lowered by changing SWV1 to normal when the lower airflow is preferred or the airflow causes the dirt on the ceiling.
Factory setting is up.

(3) Positioning

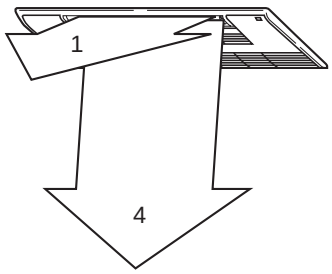
To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.
Confirming of standard position is performed in the following cases:
(a) When the power supply turns on.
(b) When the operation starts or finishes (including timer operation).
(c) When the test run starts.
(d) When multi-standby starts or finishes.
(e) When the swing operation finishes.

(4) VANE AUTO (㉮) mode

In VANE AUTO mode, the microprocessor automatically determines the vane angle and operation to make the optimum room-temperature distribution.

(1) In COOL and DRY operation — Vane angle is fixed to Angle 1.

(2) In HEAT operation — Vane angle is fixed to Angle 4.



(5) STOP (operation OFF) and ON TIMER standby

In the following cases, the horizontal vane returns to the closed position.
(a) When STOP/OPERATE(OFF/ON) button is pressed (POWER OFF).
(b) When the operation is stopped by the emergency operation.
(c) When ON TIMER is ON standby.

(6) SWING ( ) mode

By selecting SWING mode with VANE CONTROL button, the horizontal vanes swing vertically.
When COOL, DRY or FAN mode is selected, only the upper vane swings.

(7) Cold air prevention in HEAT operation

The horizontal vane position is set to upward.

(8) ECONO COOL ( ) operation (ECONOmical operation)

When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 2°C higher by microprocessor. However, the temperature on the LCD screen on the remote controller is not changed.
Also the horizontal vane swings in various cycle.
SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.
To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, WIDE VANE CONTROL or VANE CONTROL button.

2. Vertical vane

(1) Press WIDE VANE button to change horizontal airflow direction.
•The vertical vane moves for about 30 seconds.
(After 30 seconds, the vertical vane moves to its original position. In this case, press WIDE VANE button again.)

(2) Press WIDE VANE button again to set horizontal airflow direction.
•The vertical vane stops and the airflow direction is set.

(3) Positioning

To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane set to the desired angle.
Confirming of standard position is performed in the following cases:
(a) When STOP/OPERATE(OFF/ON) button is pressed (POWER ON).
(b) When SWING is started.

g. DRAIN PUMP/ FLOAT SENSOR CONTROL

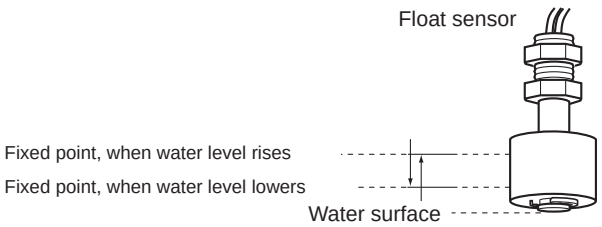
1. Drain pump

Operating condition:
1. During COOL, DRY, or emergency COOL operation
2. When float sensor detects water level above fixed point during:
   (a) HEAT operation.
   (b) emergency HEAT operation.
   (c) standby when during multi system operation.
   (d) standby when ON timer is set.
   (e) operation STOP.

Drain pump operates in conditions 1 or 2.

2. Float sensor

Float moves with the up and down of water surface inside the drain pan, and judges water level.
(Fixed point differs at raised and lowered water levels.)



h. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.

NOTE: Timer operation will not work without setting the current time. Initially "0:00" blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK SET button.

How to set the current time

(a) Press the CLOCK set button.

(b) Press the TIME SET buttons (∧ and ∨) to set the current time.

- Each time FORWARD button (∧) is pressed, the set time increases by 1 minute, and each time BACKWARD button (∨) is pressed, the set time decreases by 1 minute.
- Pressing those buttons longer, the set time increases/decreases by 10 minutes.

(c) Press the CLOCK set button.

(2) Press STOP/OPERATE(OFF/ON) button to start the air conditioner.

(3) Set the time of timer.

ON timer setting

(a) Press ON TIMER button(ON) during operation.

(b) Set the time of the timer using TIME SET buttons (∧ and ∨). ※

OFF timer setting

(a) Press OFF TIMER button (OFF) during operation.

(b) Set the time of the timer using TIME SET buttons (∧ and ∨). ※

※ Each time FORWARD button (∧) is pressed, the set time increases by 10 minutes: each time BACKWARD button (∨) is pressed, the set time decreases by 10 minutes.

2. To release the timer

To release ON timer, press ON TIMER button (ON).

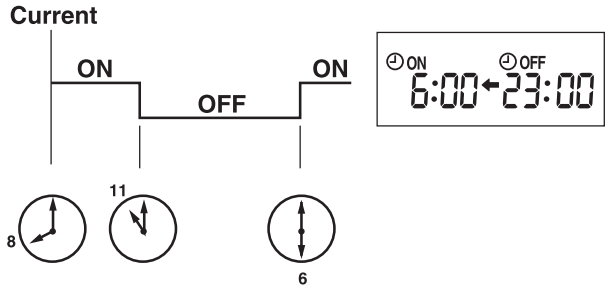
To release OFF timer, press OFF TIMER button(OFF).

TIMER is cancelled and the display of set time disappears.

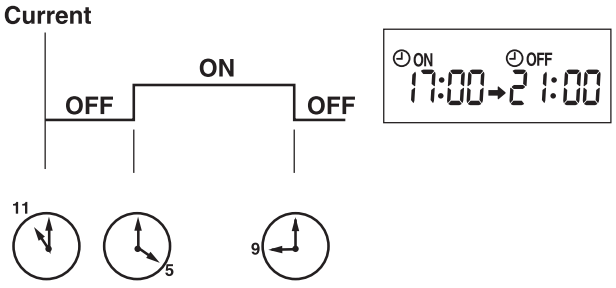
PROGRAM TIMER

- OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
- " ⬅ " and " ➡ " display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.
The unit turns off at 11:00 PM, and on at 6:00 AM.



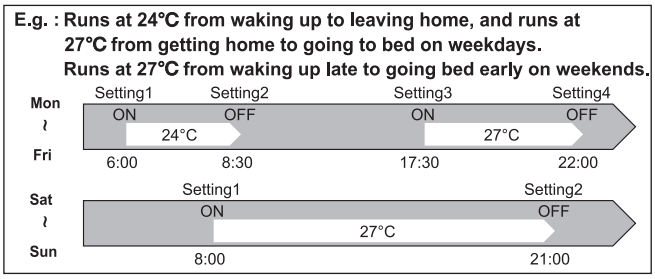
(Example 2) The current time is 11:00 AM.
The unit turns on at 5:00 PM, and off at 9:00 PM.



NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

i. WEEKLY TIMER OPERATION

• A maximum of 4 ON or OFF timers can be set for individual days of the week.
• A maximum of 28 ON or OFF timers can be set for a week.

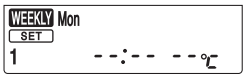


NOTE:
• The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.
• When the weekly timer is set, temperature cannot be set to 10°C.
• The weekly timer operation and i-save operation cannot be used together.

1. How to set the weekly timer

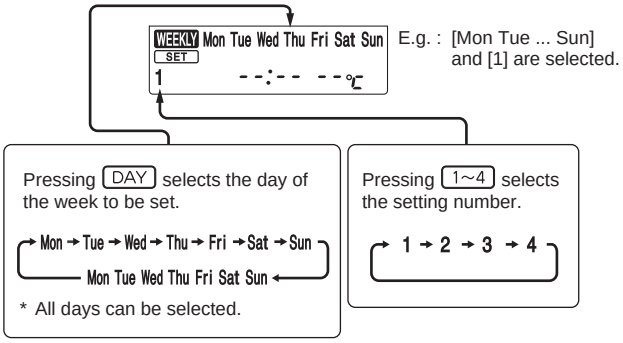
* Make sure that the current time and day are set correctly.

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.

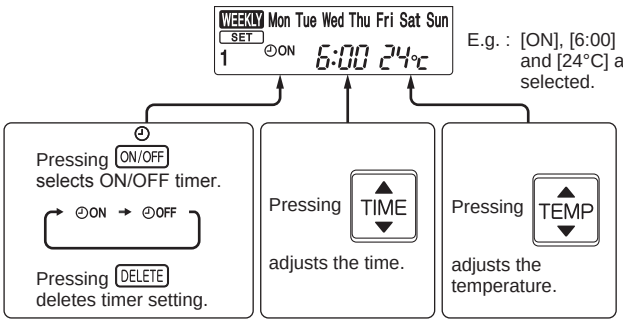


* SET blinks.

(2) Press DAY and 1~4 buttons to select setting days and/or numbers.



(3) Press ON/OFF , TIME , and TEMP buttons to set ON/OFF, time, and temperature.



* Hold down the button to change the time quickly.
* The temperature can be set between 16°C and 31°C at weekly timer.

Press DAY and 1~4 buttons to continue setting the timer for other days and/or numbers.

(4) Press EDIT/SEND SET button to complete and transmit the weekly timer setting.

* SET which was blinking goes out, and the current time will be displayed.

NOTE:

- Press EDIT/SEND SET button to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
- When setting the timer for more than one day of the week or one number, EDIT/SEND SET button does not have to be pressed per each setting. Press EDIT/SEND SET button once after all the settings are complete. All the weekly timer settings will be saved.
- Press EDIT/SEND SET button to enter the weekly timer setting mode, and press and hold DELETE button for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.

(5) Press WEEKLY TIMER ON/OFF button to turn the weekly timer ON. (WEEKLY lights.)

•When the weekly timer is ON, the day of the week whose timer setting is complete, will light.

Press WEEKLY TIMER ON/OFF button again to turn the weekly timer OFF. (WEEKLY goes out.)

NOTE:
The saved settings will not be cleared when the weekly timer is turned OFF.

2. Checking weekly timer setting

(1) Press EDIT/SEND SET button to enter the weekly timer setting mode.
*SET blinks.

(2) Press DAY or 1~4 buttons to view the setting of the particular day or number.

(3) Press CANCEL button to exit the weekly timer setting.

j. i-save (i-save) OPERATION

1. How to set i-save operation

(1) Press STOP/OPERATE(OFF/ON) button.
(2) Select COOL or HEAT mode.
(3) Press i-save button.
(4) Set the temperature, fan speed, and airflow direction for i-save operation.

NOTE:

- i-save operation cannot be selected during DRY, FAN or AUTO mode operation.
- The setting range of HEAT mode i-save operation is 10°C and 16 - 31°C.
- 2 groups of setting can be saved. (One for COOL, one for HEAT)
- i-save operation and the weekly timer operation cannot be used together.

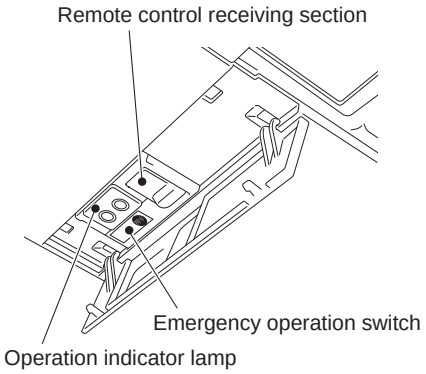
2. How to cancel operation

- Press i-save button again.
- i-save operation can also be cancelled by pressing OPERATION SELECT button to change the operation mode. The same setting is selected from the next time by simply pressing i-save button.

k. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up.
The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C. The fan speed shifts to Medium.
The coil frost prevention works even in the test run or the emergency operation.
In the test run or emergency operation, the horizontal vane operates in VANE AUTO (@) mode.
Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case normal operation will start.

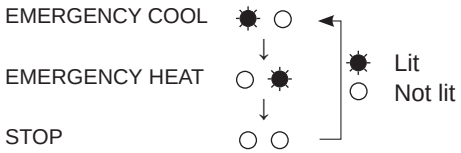
NOTE: Do not press EMERGENCY OPERATION switch during normal operation.



Operation mode	COOL/HEAT
Set temperature	24°C
Fan speed	Medium
Horizontal vane	Auto

The operation mode is indicated by the Operation Indicator lamp as following

Operation Indicator lamp



l. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

C.4 MULTI SYSTEM

C.4.1 SPECIFICATIONS

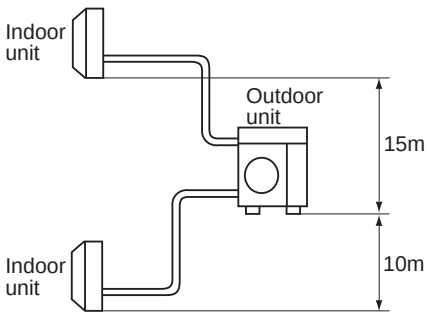
C.4.1.1 Inverter Heat Pump

Indoor Unit				Please refer to (*4)			
Outdoor Unit				MXZ-2F33VF3	MXZ-2F42VF3	MXZ-2F53VF3	MXZ-2F53VFH3
Refrigerant				R32 (*1)			
Power Supply	Source			Outdoor power supply			
	Outdoor(V/Phase/Hz)			220-230-240V/Single/50Hz			
Cooling	Capacity	Rated	kW	3.3	4.2	5.3	5.3
	Input	Rated	kW	0.85	0.98	1.40	1.40
	Design load		kW	3.3	4.2	5.3	5.3
	Annual electricity consumption(*2)		kWh/a	189	169	216	216
	SEER (*4)			6.1	8.7	8.6	8.6
		Energy efficiency class(*4)		A++	A+++	A+++	A+++
Heating	Capacity	Rated	kW	4.0	4.5	6.4	6.4
	Input	Rated	kW	0.91	0.88	1.56	1.56
	Design load		kW	2.7	3.5	3.5	3.5
	Declared Capacity	at reference design temperature	kW	2.2	2.7	2.7	2.7
		at bivalent temperature	kW	2.4	2.9	2.9	2.9
		at operation limit temperature	kW	1.6	2.3	2.3	2.1
	Back up heating capacity		kW	0.5	0.8	0.8	0.8
	Annual electricity consumption (*2)		kWh/a	944	1065	1065	1089
	SCOP (*4)			4.0	4.6	4.6	4.5
		Energy efficiency class(*4)		A+	A++	A++	A+
Max. Operating Current (Indoor+Outdoor)			A	10.0	12.2	12.2	12.2
Outdoor Unit	Dimensions	H x W x D	mm	550-800 (+69)-285 (+59.5)			
	Weight		kg	33	37	37	38
	Air Volume	Cooling	m^3/min	31.5	28.4	32.7	32.7
		Heating	m^3/min	32.3	33.5	34.7	34.7
	Sound Level (SPL)	Cooling	dB(A)	49	44	46	46
		Heating	dB(A)	50	50	51	51
	Sound Level (PWL)	Cooling	dB(A)	60	59	61	61
	Breaker Size		A	15	15	15	15
Ext.Piping	Port diameter	Liquid	mm	6.35x2	6.35x2	6.35x2	6.35x2
		Gas	mm	9.52x2	9.52x2	9.52x2	9.52x2
	Total piping length (Max.)		m	20	30	30	30
	Each indoor unit piping length (Max.)		m	15	20	20	20
	Max.Height		m	10	15(10)(*3)	15(10)(*3)	15(10)(*3)
	Chargeless length		m	20	30	30	30
Guaranteed Operating Range(Outdoor)		Cooling	ºC	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10~ +46
		Heating	ºC	-15 ~ +24	-15 ~ +24	-15 ~ +24	-20 ~ +24
Refrigerant/GWP				R32/675(*5)	R32/675(*5)	R32/675(*5)	R32/675(*5)
Pre-Charged quantity		Weight	Kg	0.8	1.0	1.0	1.0
		CO_2 equivalent	t	0.54	0.68	0.68	0.68
Max added quantity		Weight	Kg	0.8	1.0	1.0	1.0
		CO_2 equivalent	t	0.54	0.68	0.68	0.68

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results.
Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) If the outdoor unit is installed higher than the indoor unit, max. height is reduced to 10 m.



(*4) SEER/SCOP values and energy efficiency class are measured when connected to the indoor units listed below.
MXZ-2F33VF3 → MSZ-AP15VG + MSZ-LN18VG2
MXZ-2F42VF3 → MSZ-LN18VG2 + MSZ-LN25VG2
MXZ-2F53VF3/VFH3 → MSZ-LN18VG2 + MSZ-LN35VG2

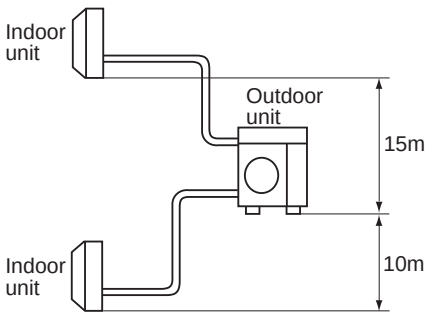
(*5) This GWP value is based on Regulation(EU) No 517/2014 from IPCC 4th edition.

Indoor Unit				Please refer to (*4)			
Outdoor Unit				MXZ-3F54VF3	MXZ-3F68VF3	MXZ-4F72VF3	MXZ-4F80VF3
Refrigerant				R32 (*1)			
Power Supply	Source			Outdoor power supply			
	Outdoor(V/Phase/Hz)			220-230-240V/Single/50Hz			
Cooling	Capacity	Rated	kW	5.4	6.8	7.2	8.0
	Input	Rated	kW	1.32	1.84	1.85	2.25
	Design load		kW	5.4	6.8	7.2	8.0
	Annual electricity consumption(*2)		kWh/a	222	301	311	368
	SEER (*4)			8.5	7.9	8.1	7.6
		Energy efficiency class(*4)		A+++	A++	A++	A++
Heating	Capacity	Rated	kW	7.0	8.6	8.6	8.8
	Input	Rated	kW	1.40	1.91	1.87	2.00
	Design load		kW	5.2	6.8	7.0	7.0
	Declared Capacity	at reference design temperature	kW	4.2	5.7	5.6	5.6
		at bivalent temperature	kW	4.8	6.4	6.2	6.2
		at operation limit temperature	kW	3.2	4.6	4.8	4.8
	Back up heating capacity		kW	1.0	1.1	1.4	1.4
	Annual electricity consumption (*2)		kWh/a	1583	2321	2389	2389
	SCOP (*4)			4.6	4.1	4.1	4.1
		Energy efficiency class(*4)		A++	A+	A+	A+
Max. Operating Current (Indoor+Outdoor)			A	18.0	18.0	18.0	18.0
Outdoor Unit	Dimensions	H x W x D	mm	710-840-330 (+66)			
	Weight		kg	58	58	59	59
	Air Volume	Cooling	m^3/min	31	35.4	35.4	40.3
		Heating	m^3/min	31	39.6	42.7	44.1
	Sound Level (SPL)	Cooling	dB(A)	46	48	48	50
		Heating	dB(A)	50	53	54	55
	Sound Level (PWL)	Cooling	dB(A)	60	63	63	65
	Breaker Size		A	25	25	25	25
Ext.Piping	Port diameter	Liquid	mm	6.35x3	6.35x3	6.35x4	6.35x4
		Gas	mm	9.52x3	9.52x3	12.7x1+9.52x3	12.7x1+9.52x3
	Total piping length (Max.)		m	50	60	60	60
	Each indoor unit piping length (Max.)		m	25	25	25	25
	Max.Height		m	15(10)(*3)	15(10)(*3)	15(10)(*3)	15(10)(*3)
	Chargeless length		m	50	60	60	60
Guaranteed Operating Range(Outdoor)		Cooling	ºC	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	ºC	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Refrigerant/GWP				R32/675(*5)	R32/675(*5)	R32/675(*5)	R32/675(*5)
Pre-Charged quantity		Weight	Kg	2.4	2.4	2.4	2.4
		CO_2 equivalent	t	1.62	1.62	1.62	1.62
Max added quantity		Weight	Kg	2.4	2.4	2.4	2.4
		CO_2 equivalent	t	1.62	1.62	1.62	1.62

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results.
Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) If the outdoor unit is installed higher than the indoor unit, max. height is reduced to 10 m.



(*4) SEER/SCOP values and energy efficiency class are measured when connected to the indoor units listed below.
MXZ-3F54VF3 → MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2
MXZ-3F68VF3 → MSZ-LN18VG2 + MSZ-LN25VG2 + MSZ-LN25VG2
MXZ-4F72VF3 → MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2
MXZ-4F80VF3 → MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN25VG2

(*5) This GWP value is based on Regulation(EU) No 517/2014 from IPCC 4th edition.

Indoor Unit				Please refer to (*3)	
Outdoor Unit				MXZ-4F83VF	MXZ-5F102VF
Refrigerant				R32 (*1)	R32 (*1)
Power Supply	Source			Outdoor power supply	Outdoor power supply
	Outdoor(V/Phase/Hz)			220-230-240V/Single/50Hz	220-230-240V/Single/50Hz
Cooling	Capacity	Rated	kW	8.3	10.2
	Input	Rated	kW	1.97	2.80
	Design load		kW	8.3	10.2
	Annual electricity consumption(*2)		kWh/a	342	436
	SEER (*3)			8.5	8.2
		Energy efficiency class(*3)		A+++	A++
Heating	Capacity	Rated	kW	9.3	10.5
	Input	Rated	kW	2.00	2.28
	Design load		kW	7.0	7.4
	Declared Capacity	at reference design temperature	kW	5.8	5.9
		at bivalent temperature	kW	6.2	6.4
		at operation limit temperature	kW	4.9	4.9
	Back up heating capacity		kW	1.2	1.5
	Annual electricity consumption (*2)		kWh/a	2087	2205
	SCOP (*3)			4.7	4.6
		Energy efficiency class(*3)		A++	A++
Max. Operating Current (Indoor+Outdoor)			A	21.4	21.4
Outdoor Unit	Dimensions	H x W x D	mm	796-950-330	796-950-330
	Weight		kg	62	62
	Air Volume	Cooling	m^3/min	55	62
		Heating	m^3/min	71	74
	Sound Level (SPL)	Cooling	dB(A)	49	52
		Heating	dB(A)	51	56
	Sound Level (PWL)	Cooling	dB(A)	61	65
	Breaker Size		A	25	25
Ext.Piping	Port diameter	Liquid	mm	6.35x4	6.35x5
		Gas	mm	12.7x1+9.52x3	12.7x1+9.52x4
	Total piping length (Max.)		m	70	80
	Each indoor unit piping length (Max.)		m	25	25
	Max.Height		m	15	15
	Chargeless length		m	70	80
Guaranteed Operating Range(Outdoor)		Cooling	ºC	-10 ~ +46	-10 ~ +46
		Heating	ºC	-15 ~ +24	-15 ~ +24
Refrigerant/GWP				R32/675(*4)	R32/675(*4)
Pre-Charged quantity		Weight	Kg	2.4	2.4
		CO_2 equivalent	t	1.62	1.62
Max added quantity		Weight	Kg	2.4	2.4
		CO_2 equivalent	t	1.62	1.62

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*2) Energy consumption based on standard test results.
Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SEER/SCOP values and energy efficiency class are measured when connected to the indoor units listed below.
MXZ-4F83VF → MSZ-LN18VG + MSZ-LN18VG + MSZ-LN25VG + MSZ-LN25VG
MXZ-5F102VF → MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN25VG2 + MSZ-LN25VG2

(*4) This GWP value is based on Regulation(EU) No 517/2014 from IPCC 4th edition.

Indoor Unit				Please refer to (*1)
Outdoor Unit				MXZ-6F122VF
Refrigerant				R32 (*1)
Power Supply	Source			Outdoor power supply
	Outdoor(V/Phase/Hz)			220-230-240V/Single/50Hz
Cooling	Capacity	Rated	kW	12.2
	Input	Rated	kW	3.66
	EER (*1)			3.33
Heating	Capacity	Rated	kW	14.0
		Min-Max	kW	3.5 - 16.0
	Input	Rated	kW	3.31
	COP (*1)			4.23
Max. Operating Current (Indoor+Outdoor)			A	29.8
Outdoor Unit	Dimensions	H x W x D	mm	1048-950-330
	Weight		kg	87
	Air Volume	Cooling	m^3/min	63
		Heating	m^3/min	77
	Sound Level (SPL)	Cooling	dB(A)	55
		Heating	dB(A)	57
	Sound Level (PWL)	Cooling	dB(A)	69
		Heating	dB(A)	74
	Breaker Size		A	32
Ext.Piping	Port diameter	Liquid	mm	6.35x6
		Gas	mm	12.7x1+9.52x5
	Total piping length (Max.)		m	80
	Each indoor unit piping length (Max.)		m	25
	Max.Height		m	15
	Chargeless length		m	80
Guaranteed Operating Range(Outdoor)		Cooling	ºC	-10 ~ +46
		Heating	ºC	-15 ~ +24
Refrigerant/GWP				R32/675(*2)
Pre-Charged quantity		Weight	Kg	2.4
		CO_2 equivalent	t	1.62
Max added quantity		Weight	Kg	2.4
		CO_2 equivalent	t	1.62

Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(*1) EER/COP values and energy efficiency class are measured when connected to the indoor units listed below.
MXZ-6F122VF
[EER/COP] MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN25VG2 + MSZ-LN25VG2
[Lot6] MSZ-LN25VG2 + MSZ-LN25VG2 + MSZ-LN35VG2 + MSZ-LN35VG2

(*2) This GWP value is based on Regulation(EU) No 517/2014 from IPCC 4th edition.

Indoor Unit				Please refer to (*3)	
Outdoor Unit				MXZ-2F53VFHZ	MXZ-4F83VFHZ
Refrigerant				R32 (*1)	
Power Supply	Source			Outdoor power supply	
	Outdoor(V/Phase/Hz)			220-230-240V/Single/50Hz	
Cooling	Capacity	Rated	kW	5.3	8.3
	Input	Rated	kW	1.29	1.90
	Design load		kW	5.3	8.3
	Annual electricity consumption(*2)		kWh/a	274	398
	SEER (*3)			6.8	7.3
		Energy efficiency class(*3)		A++	A++
Heating	Capacity	Rated	kW	6.4	9.0
	Input	Rated	kW	1.36	1.70
	Design load		kW	6.4	10.1
	Declared Capacity	at reference design temperature	kW	6.9	10.6
		at bivalent temperature	kW	7.4	11.5
		at operation limit temperature	kW	4.1	5.7
	Back up heating capacity		kW	0.0	0.0
	Annual electricity consumption (*2)		kWh/a	2172	3286
	SCOP (*3)			4.1	4.3
		Energy efficiency class(*3)		A+	A+
Max. Operating Current (Indoor+Outdoor)			A	15.6	28.0
Outdoor Unit	Dimensions	H x W x D	mm	796-950-330	1048-950-330
	Weight		kg	61	86
	Air Volume	Cooling	m^3/min	43	63
		Heating	m^3/min	41	77
	Sound Level (SPL)	Cooling	dB(A)	45	55
		Heating	dB(A)	47	57
	Sound Level (PWL)	Cooling	dB(A)	55	66
	Breaker Size		A	16	30
Ext.Piping	Port diameter	Liquid	mm	6.35x2	6.35x4
		Gas	mm	9.52x2	12.7x1+9.52x3
	Total piping length (Max.)		m	30	70
	Each indoor unit piping length (Max.)		m	20	25
	Max.Height		m	15	15
	Chargeless length		m	30	70
Guaranteed Operating Range(Outdoor)		Cooling	ºC	-10 ~ +46	-10 ~ +46
		Heating	ºC	-25 ~ +24	-25 ~ +24
Refrigerant/GWP				R32/675(*4)	R32/675(*4)
Pre-Charged quantity		Weight	Kg	2.4	2.4
		CO_2 equivalent	t	1.62	1.62
Max added quantity		Weight	Kg	2.4	2.4
		CO_2 equivalent	t	1.62	1.62

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
The GWP of R32 is 675 in the IPCC 4th Assessment Report.

(*2) Energy consumption based on standard test results.
Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) SEER/SCOP values and energy efficiency class are measured when connected to the indoor units listed below.
MXZ-2F53VFHZ → MSZ-LN18VG2 + MSZ-LN35VG2
MXZ-4F83VFHZ → MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN25VG2 + MSZ-LN25VG2

(*4) This GWP value is based on Regulation(EU) No 517/2014 from IPCC 4th edition.

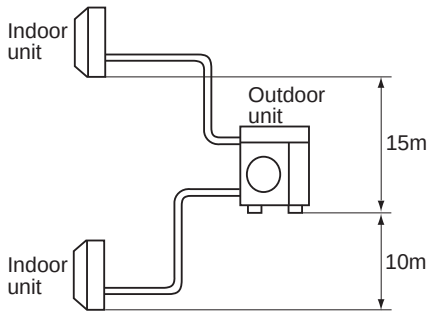
Indoor Unit					Please refer to (*4)			
Outdoor Unit					MXZ-2D33VA	MXZ-2D42VA2	MXZ-2D53VA2	MXZ-2D53VAH2
Refrigerant					R410A (*1)			
Power Supply	Source				Outdoor power supply			
	Outdoor(V/Phase/Hz)				220-230-240V/Single/50Hz			
Cooling	Capacity	Rated		kW	3.3	4.2	5.3	5.3
	Input	Rated		kW	0.90	1.00	1.54	1.54
	Design load			kW	3.3	4.2	5.3	5.3
	Annual electricity consumption(*2)			kWh/a	211	216	262	262
	SEER (*4)				5.5	6.8	7.1	7.1
		Energy efficiency class(*4)			A	A++	A++	A++
Heating	Capacity	Rated		kW	4.0	4.5	6.4	6.4
	Input	Rated		kW	0.96	0.93	1.70	1.70
	Design load			kW	2.7	3.2	4.5	4.5
	Declared Capacity	at reference design temperature		kW	2.1	2.7	3.7	3.6
		at bivalent temperature		kW	2.4	3.0	4.0	4.0
		at operation limit temperature		kW	1.7	2.3	3.3	3.0
	Back up heating capacity			kW	0.6	0.5	0.8	0.9
	Annual electricity consumption (*2)			kWh/a	926	1065	1507	1546
	SCOP (*4)				4.1	4.2	4.2	4.1
		Energy efficiency class(*4)			A+	A+	A+	A+
Operating Current(Max)				A	10.0	12.2	12.2	12.2
Outdoor Unit	Dimensions	H x W x D		mm	550 x 800(+69) x 285(+59.5)			
	Weight			kg	32	37	37	38
	Air Volume	Cooling		m^3/min	32.9	27.7	32.9	32.9
		Heating		m^3/min	33.7	33.3	33.3	33.3
	Sound Level (SPL)	Cooling		dB(A)	49	46	50	50
		Heating		dB(A)	50	51	53	53
	Sound Level (PWL)	Cooling		dB(A)	63	60	64	64
	Breaker Size			A	10	15	15	15
Ext.Piping	Port diameter	Liquid/Gas		mm	6.35 x 2 / 9.52 x 2	6.35 x 2 / 9.52 x 2	6.35 x 2 / 9.52 x 2	6.35 x 2 / 9.52 x 2
	Total piping length (Max.)			m	20	30	30	30
	Each indoor unit piping length (Max.)			m	15	20	20	20
	Max.Height			m	10	15(10) (*3)	15(10) (*3)	15(10) (*3)
	Chargeless length			m	20	20	20	20
Guaranteed Operating Range(Outdoor)		Cooling		°C	-10 ~ +46			
		Heating		°C	-15 ~ +24			-20 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R410A is 2088 in the IPCC 4th Assessment Report.

(*2) Energy consumption based on standard test results.
Actual energy consumption will depend on how the appliance is used and where it is located.

(*3) If the outdoor unit is installed higher than the indoor unit, max. height is reduced to 10 m.

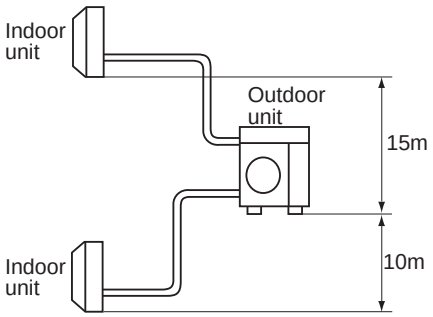
(*4) SEER/SCOP values and energy efficiency class are measured
MXZ-2D33VA → MSZ-SF15VA + MSZ-EF18VE
MXZ-2D42VA2 → MSZ-EF18VE + MSZ-EF25VE
MXZ-2D53VA2 → MSZ-EF18VE + MSZ-EF35VE
MXZ-2D53VAH2 → MSZ-EF18VE + MSZ-EF35VE



Indoor Unit					Please refer to (*4)		
Outdoor Unit					MXZ-3E54VA	MXZ-3E68VA	MXZ-4E72VA
Refrigerant					R410A (*1)		
Power Supply	Source				Outdoor power supply		
	Outdoor(V/Phase/Hz)				220-230-240V/Single/50Hz		
Cooling	Capacity	Rated		kW	5.4	6.8	7.2
	Input	Rated		kW	1.35	2.19	2.25
	Design load			kW	5.4	6.8	7.2
	Annual electricity consumption(*2)			kWh/a	295	425	443
	SEER (*4)				6.4	5.6	5.7
		Energy efficiency class(*4)			A++	A+	A+
Heating	Capacity	Rated		kW	7.0	8.6	8.6
	Input	Rated		kW	1.59	2.38	2.28
	Design load			kW	5.0	6.8	7.0
	Declared Capacity	at reference design temperature		kW	4.0	5.4	5.6
		at bivalent temperature		kW	4.5	6.0	6.2
		at operation limit temperature		kW	3.2	4.4	4.7
	Back up heating capacity			kW	1.0	1.4	1.4
	Annual electricity consumption (*2)			kWh/a	1751	2466	2516
	SCOP (*4)				4.0	3.9	3.9
		Energy efficiency class(*4)			A+	A	A
Operating Current(Max)				A	18.0	18.0	18.0
Outdoor Unit	Dimensions	H x W x D		mm	710 x 840(+30) x 330(+66)		
	Weight			kg	58	58	59
	Air Volume	Cooling		m^3/min	42.1	42.1	42.1
		Heating		m^3/min	43.0	43.0	43.0
	Sound Level (SPL)	Cooling		dB(A)	50	50	50
		Heating		dB(A)	53	53	53
	Sound Level (PWL)	Cooling		dB(A)	64	64	64
	Breaker Size			A	25	25	25
Ext.Piping	Port diameter	Liquid/Gas		mm	6.35 x 3 / 9.52 x 3	6.35 x 3 / 9.52 x 3	6.35 x 4 / 12.7 x 1+9.52 x 3
	Total piping length (Max.)			m	50	60	60
	Each indoor unit piping length (Max.)			m	25	25	25
	Max.Height			m	15(10) (*3)	15(10) (*3)	15(10) (*3)
	Chargeless length			m	40	40	40
Guaranteed Operating Range(Outdoor)		Cooling		°C	-10 ~ +46		
		Heating		°C	-15 ~ +24		

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R410A is 2088 in the IPCC 4th Assessment Report.

(*2) Energy consumption based on standard test results.
Actual energy consumption will depend on how the appliance is used and where it is located.



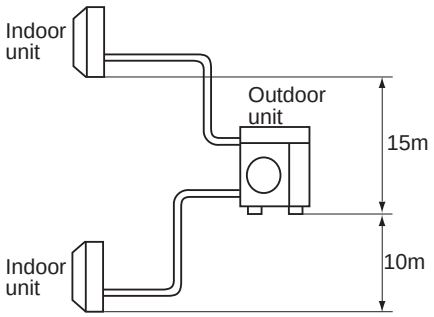
(*3) If the outdoor unit is installed higher than the indoor unit, max. height is reduced to 10 m.

(*4) SEER/SCOP values and energy efficiency class are measured
MXZ-3E54VA → MSZ-EF18VE + MSZ-EF18VE + MSZ-EF18VE
MXZ-3E68VA → MSZ-EF18VE + MSZ-EF25VE + MSZ-EF25VE
MXZ-4E72VA → MSZ-EF18VE + MSZ-EF18VE + MSZ-EF18VE + MSZ-EF18VE

Indoor Unit					Please refer to (*4)	
Outdoor Unit					MXZ-4E83VA	MXZ-5E102VA
Refrigerant					R410A (*1)	
Power Supply	Source				Outdoor power supply	
	Outdoor(V/Phase/Hz)				220-230-240V/Single/50Hz	
Cooling	Capacity	Rated		kW	8.3	10.2
	Input	Rated		kW	2.44	3.15
	Design load			kW	8.3	10.2
	Annual electricity consumption (*2)			kWh/a	460	537
	SEER (*4)				6.3	6.6
		Energy efficiency class (*4)			A++	A++
Heating	Capacity	Rated		kW	9.3	10.5
	Input	Rated		kW	2.00	2.34
	Design load			kW	8.7	8.9
	Declared Capacity	at reference design temperature		kW	7.1	7.3
		at bivalent temperature		kW	7.8	7.9
		at operation limit temperature		kW	6.0	6.3
	Back up heating capacity			kW	1.6	1.6
	Annual electricity consumption (*2)			kWh/a	2889	2958
	SCOP (*4)				4.2	4.2
		Energy efficiency class (*4)			A+	A+
Operating Current(Max)				A	21.4	21.4
Outdoor Unit	Dimensions	H x W x D		mm	796 x 950 x 330	
	Weight			kg	63	64
	Air Volume	Cooling		m^3/min	55.6	65.1
		Heating		m^3/min	55.6	68.0
	Sound Level (SPL)	Cooling		dB(A)	49	52
		Heating		dB(A)	51	56
	Sound Level (PWL)	Cooling		dB(A)	61	65
	Breaker Size			A	25	25
Ext.Piping	Port diameter	Liquid/Gas		mm	6.35 x 4 / 12.7 x 1+9.52 x 3	6.35 x 5 / 12.7 x 1+9.52 x 4
	Total piping length (Max.)			m	70	80
	Each indoor unit piping length (Max.)			m	25	25
	Max.Height			m	15(10) (*3)	15(10) (*3)
	Chargeless length			m	25	0
Guaranteed Operating Range(Outdoor)		Cooling		°C	-10 ~ +46	
		Heating		°C	-15 ~ +24	

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R410A is 2088 in the IPCC 4th Assessment Report.

(*2) Energy consumption based on standard test results.
Actual energy consumption will depend on how the appliance is used and where it is located.



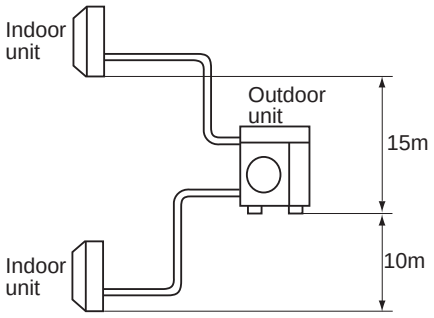
(*3) If the outdoor unit is installed higher than the indoor unit, max. height is reduced to 10 m.

(*4) SEER/SCOP values and energy efficiency class are measured
MXZ-4E83VA → MSZ-EF18VE + MSZ-EF18VE + MSZ-EF22VE + MSZ-EF25VE
MXZ-5E102VA → MSZ-EF18VE + MSZ-EF18VE + MSZ-EF22VE + MSZ-EF22VE + MSZ-EF22VE

Indoor Unit				Please refer to (*2)
Outdoor Unit				MXZ-6D122VA2
Refrigerant				R410A
Power Supply	Source			Outdoor power supply
	Outdoor(V/Phase/Hz)			220-230-240V/Single/50Hz
Cooling	Capacity	Rated	kW	12.2
		Min. - Max.	kW	3.5 - 13.5
	Input(*1)	Rated	kW	3.66
	EER(*2)			3.33
		EEL Rank		A
Heating	Capacity	Rated	kW	14.0
		Min. - Max.	kW	3.5 - 16.5
	Input(*1)	Rated	kW	3.31
	COP(*2)			4.23
		EEL Rank		A
Operating Current(Max) (*1)			A	26.8
Total Capacity of all Indoor Units (max)			kW	Please refer to combination table
Outdoor Unit	Dimensions	H x W x D	mm	1048 x 950 x 330
	Weight		kg	88
	Air Volume	Cooling	m^3/min	63.0
		Heating	m^3/min	77.0
	Sound Level (SPL)	Cooling	dB(A)	55
		Heating	dB(A)	57
	Sound Level (PWL)	Cooling	dB(A)	69
	Operating Current	Cooling	A	16.8 - 16.1 - 15.4
		Heating	A	15.2 - 14.5 - 13.9
	Breaker Size		A	32
Ext.Piping	Port diameter	Liquid/Gas	mm	6.35 x 6 / 12.7 x 1+9.52 x 5
	Total piping length (Max.)		m	80
	Each indoor unit piping length (Max.)		m	25
	Max.Height		m	15(10) (*3)
	Chargeless length		m	30
Guaranteed Operating Range(Outdoor)		Cooling	°C	-10 ~ +46
		Heating	°C	-15 ~ +24

Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 2088. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 2088 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

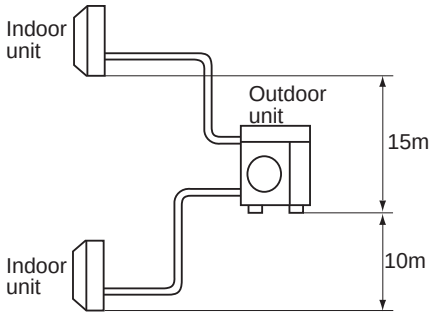
(*1) Power input and operating current (max) figures are for outdoor unit only.
(*2) EER/COP and EEL rank are measured when connected to the indoor units listed below.
MXZ-6D122VA2 → MSZ-EF18VE + MSZ-EF18VE + MSZ-EF18VE + MSZ-EF18VE + MSZ-EF25VE + MSZ-EF25VE
(*3) If the outdoor unit is installed higher than the indoor unit, max. height is reduced to 10 m.



Indoor Unit					Refer to (*3)	
Outdoor Unit					MXZ-2DM40VA	MXZ-3DM50VA
Refrigerant					R410A (*1)	
Power Supply	Source				Outdoor power supply	
	Outdoor (V/Phase/Hz)				230V/Single/50Hz	
Cooling	Capacity	Rated	kW		4.0	5.0
		Min. - Max.	kW		1.1-4.3	2.7-6.5
	Input	Rated	kW		1.05	1.13
	EER (*3)				3.81	4.42
		EEL Rank (*3)			A	A
	Annual Electricity Consumption (*4)		kWh/a		226	283
	SEER (*3)				6.1	6.1
		Energy efficiency class (*3)			A++	A++
Heating (Average Season)	Capacity	Rated	kW		4.3	6.0
		Min. - Max.	kW		1.0-4.7	2.4-7.5
	Input	Rated	kW		1.16	1.31
	COP (*3)				3.71	4.58
		EEL Rank (*3)			A	A
	Annual Electricity Consumption (*4)		kWh/a		1105	1455
	SCOP (*3)				4.0	3.8
		Energy efficiency class (*3)			A+	A
Operating Current (Max.)				A	12.2	18.0
Outdoor Unit	Dimensions	H x W x D		mm	550 x 800(+69) x 285(+59.5)	710 x 840(+30) x 330(+66)
	Weight			kg	32	57
	Air Volume	Cooling		m^3/min	29.2	37.5
		Heating		m^3/min	31.9	39.6
	Sound Level (SPL)	Cooling		dB(A)	48	50
		Heating		dB(A)	52	53
	Sound Level (PWL)	Cooling		dB(A)	63	64
	Operating Current	Cooling		A	5.1	5.0
		Heating		A	5.6	5.8
	Breaker Size			A	15	25
Ext.Piping	Port diameter	Liquid/Gas		mm	6.35 x 2 / 9.52 x 2	6.35 x 3 / 9.52 x 3
	Total piping length (Max.)			m	30	50
	Each indoor unit piping length (Max.)			m	20	25
	Max. Height			m	15(10) (*2)	15(10) (*2)
	Chargeless length			m	20	40
Guaranteed Operating Range (Outdoor)		Cooling		°C	-10 ~ +46	
		Heating		°C	-15 ~ +24	

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R410A is 2088 in the IPCC 4th Assessment Report.

(*2) If the outdoor unit is installed higher than the indoor unit, max. height is reduced to 10 m.



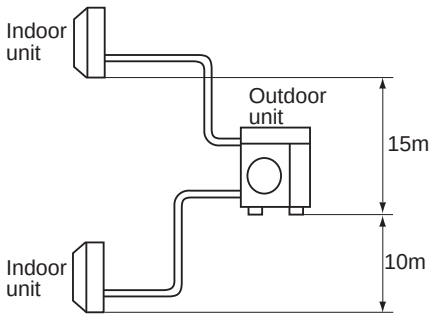
(*3) SEER/SCOP values and energy efficiency class are measured when connected to the indoor units listed below.
MXZ-2DM40VA → MSZ-DM25VA + MSZ-DM25VA
MXZ-3DM50VA → MSZ-DM25VA + MSZ-DM25VA + MSZ-DM25VA

(*4) Energy consumption based on standard test results.
Actual energy consumption will depend on how the appliance is used and where it is located.

Indoor Unit				Please refer to (*4)		
Outdoor Unit				MXZ-2HA40VF	MXZ-2HA50VF	MXZ-3HA50VF
Refrigerant				R32 (*1)		
Power Supply	Source			Outdoor power supply		
	Outdoor(V/Phase/Hz)			220-230-240V/Single/50Hz		
Cooling	Capacity	Rated	kW	4.0	5.0	5.0
		Min-Max	kW	1.1 - 4.3	1.1 - 5.4	2.9 - 6.5
	Input	Rated	kW	1.05	1.52	1.26
	Design load		kW	4.0	5.0	5.0
	Annual electricity consumption(*2)		kWh/a	172	225	241
	SEER (*4)			8.12	7.78	7.26
		Energy efficiency class(*4)		A++	A++	A++
Heating	Capacity	Rated	kW	4.3	6.0	6.0
		Min-Max	kW	1.0 - 4.7	1.0 - 6.4	2.6 - 7.5
	Input	Rated	kW	0.91	1.54	1.30
	Design load		kW	3.2	3.2	4.0
	Declared Capacity	at reference design temperature	kW	2.4	2.4	3.0
		at bivalent temperature	kW	2.9	2.9	3.6
		at operation limit temperature	kW	2.1	2.1	2.6
	Back up heating capacity		kW	0.8	0.8	1.0
	Annual electricity consumption (*2)		kWh/a	1043	1043	1394
	SCOP (*4)			4.30	4.30	4.02
		Energy efficiency class(*4)		A+	A+	A+
Max. Operating Current (Indoor+Outdoor)			A	12.2	12.2	18.0
Outdoor Unit	Dimensions	H x W x D	mm	550-800 (+69)-285 (+59.5)		710-840-330 (+66)
	Weight		kg	37	37	57
	Air Volume	Cooling	m^3/min	28.4	32.7	31.0
		Heating	m^3/min	33.5	34.7	29.1
	Sound Level (SPL)	Cooling	dB(A)	44	47	46
		Heating	dB(A)	50	51	50
	Sound Level (PWL)	Cooling	dB(A)	59	64	61
	Breaker Size		A	15	15	25
Ext.Piping	Port diameter	Liquid	mm	6.35 x 2	6.35 x 2	6.35 x 3
		Gas	mm	9.52 x 2	9.52 x 2	9.52 x 3
	Total piping length (Max.)		m	30	30	50
	Each indoor unit piping length (Max.)		m	20	20	25
	Max.Height		m	15(10)(*3)	15(10)(*3)	15(10)(*3)
	Chargeless length		m	30	30	40
Guaranteed Operating Range(Outdoor)		Cooling	ºC	-10 ~ +46		
		Heating	ºC	-15 ~ +24		
Refrigerant/GWP				R32/675(*5)	R32/675(*5)	R32/675(*5)
Pre-Charged quantity		Weight	Kg	0.9	0.9	1.4
		CO_2 equivalent	t	0.61	0.61	0.95
Max added quantity		Weight	Kg	0.9	0.9	1.6
		CO_2 equivalent	t	0.61	0.61	1.08

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
The GWP of R32 is 675 in the IPCC 4th Assesment Report.

(*2) Energy consumption based on standard test results.
Actual energy consumption will depend on how the appliance is used and where it is located.



(*3) If the outdoor unit is installed higher than the indoor unit, max. height is reduced to 10 m.

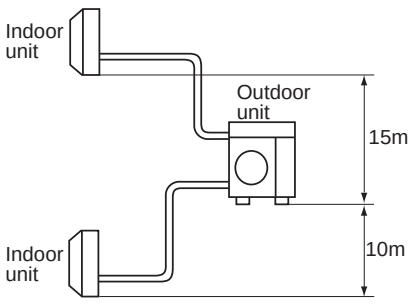
(*4) SEER/SCOP values and energy efficiency class are measured when connected to the indoor units listed below.
MXZ-2HA40VF → MSZ-HR25VF + MSZ-HR25VF
MXZ-2HA50VF → MSZ-HR25VF + MSZ-HR25VF
MXZ-3HA50VF → MSZ-HR25VF + MSZ-HR25VF + MSZ-HR25VF

(*5) This GWP value is based on Regulation(EU) No 517/2014 from IPCC 4th edition,

Indoor Unit				Please refer to (*4)	
Outdoor Unit				MXZ-2E53VAHZ	MXZ-4E83VAHZ
Refrigerant				R410A (*1)	
Power Supply	Source			Outdoor power supply	
	Outdoor(V/Phase/Hz)			220-230-240V/Single/50Hz	
Cooling	Capacity	Rated	kW	5.3	8.3
		Min. - Max.	kW	1.1-6.0	3.5-9.2
	Input	Rated	kW	1.29	2.25
	Design load		kW	5.3	8.3
	Annual electricity consumption(*4)		kWh/a	282	447
	SEER (*3)			6.5	6.5
		Energy efficiency class(*3)		A++	A++
Heating	Capacity	Rated (7°C)	kW	6.4	9.0
		Min. - Max.	kW	1.0-7.0	3.5-11.6
	Input	Rated	kW	1.36	1.90
	Design load		kW	6.4	10.1
	Declared Capacity	at reference design temperature	kW	6.4	9.0
		at bivalent temperature	kW	6.4	9.0
		at operation limit temperature	kW	2.4	2.5
	Back up heating capacity		kW	0.0	1.1
	Annual electricity consumption (*4)		kWh/a	2165	3446
	SCOP (*3)			4.1	4.1
		Energy efficiency class(*3)		A+	A+
Max. Operating Current (Indoor+Outdoor)			A	15.6	28.0
Outdoor Unit	Dimensions	H x W x D	mm	796 x 950 x 330	1048 x 950 x 330
	Weight		kg	61	87
	Air Volume	Cooling	m^3/min	47.0	63.0
		Heating	m^3/min	47.0	77.0
	Sound Level (SPL)	Cooling	dB(A)	45	53
		Heating	dB(A)	47	57
	Sound Level (PWL)	Cooling	dB(A)	55	66
	Breaker Size		A	16	30
Ext.Piping	Port diameter	Liquid/Gas	mm	6.35x 2 / 9.52 x 2	6.35 x 4 / 12.7 x 1 + 9.52 x 3
	Total piping length (Max.)		m	30	70
	Each indoor unit piping length (Max.)		m	20	25
	Max.Height		m	15(10) (*2)	15(10) (*2)
	Chargeless length		m	20	25
Guaranteed Operating Range(Outdoor)		Cooling	°C	-10 ~ +46	
		Heating	°C	-25 ~ +24	

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO_2 , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R410A is 2088 in the IPCC 4th Assessment Report.

(*2) If the outdoor unit is installed higher than the indoor unit, max. height is reduced to 10 m.



(*3) SEER/SCOP values and energy efficiency class are measured when connected to the indoor units listed below.
MXZ-2E53VAHZ → MSZ-EF18VE + MSZ-EF35VE
MXZ-4E83VAHZ → MSZ-EF18VE + MSZ-EF18VE + MSZ-EF22VE + MSZ-EF25VE

(*4) Energy consumption based on standard test results.
Actual energy consumption will depend on how the appliance is used and where it is located.

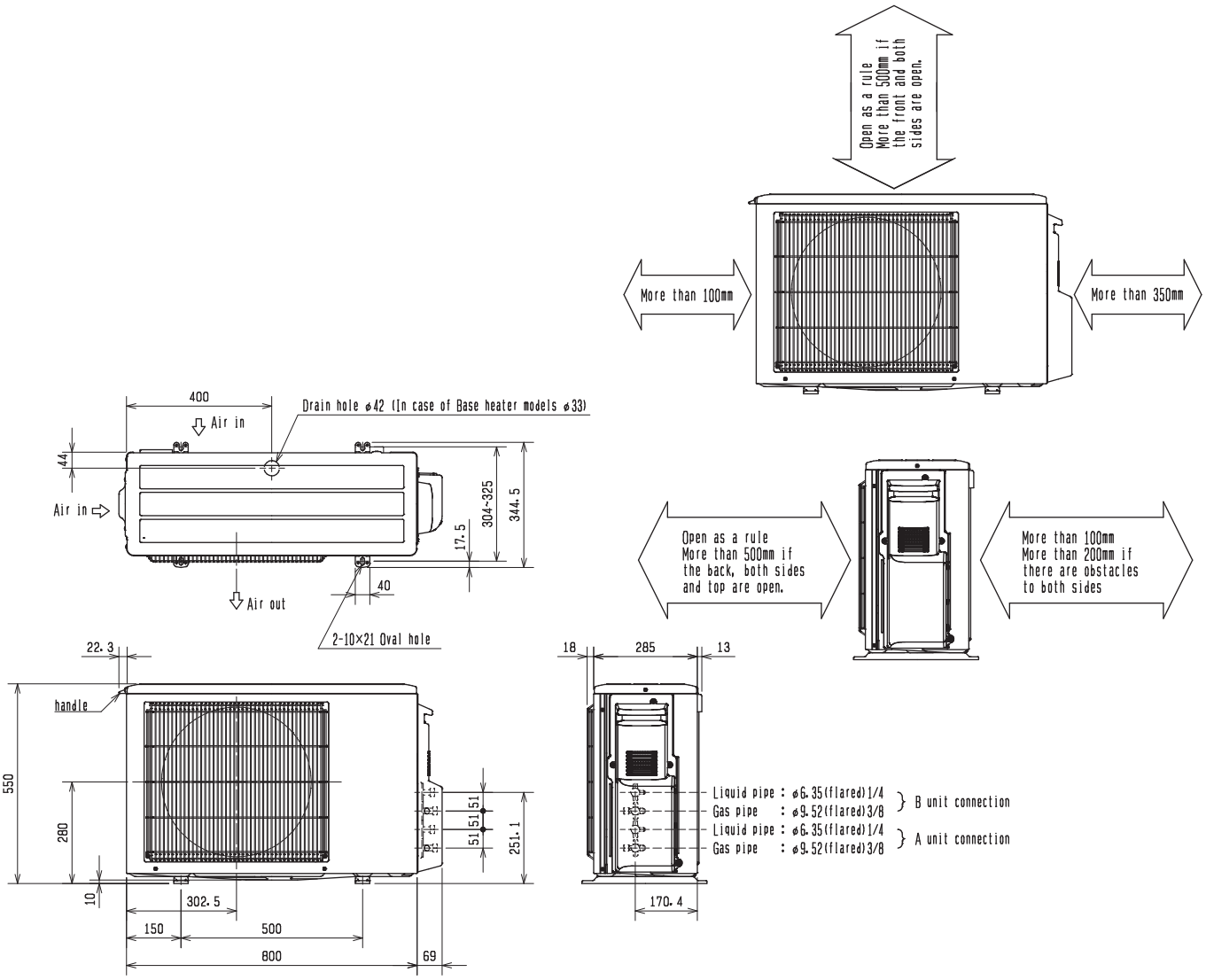
C.4.2 OUTLINES AND DIMENSIONS

C.4.2.1 Inverter Heat Pump

MXZ-2F33VF3 MXZ-2D33VA MXZ-2DM40VA
MXZ-2F42VF3 MXZ-2D42VA2 MXZ-2HA40VF
MXZ-2F53VF3 MXZ-2D53VA2 MXZ-2HA50VF
MXZ-2F53VFH3 MXZ-2D53VAH2

OUTDOOR UNIT

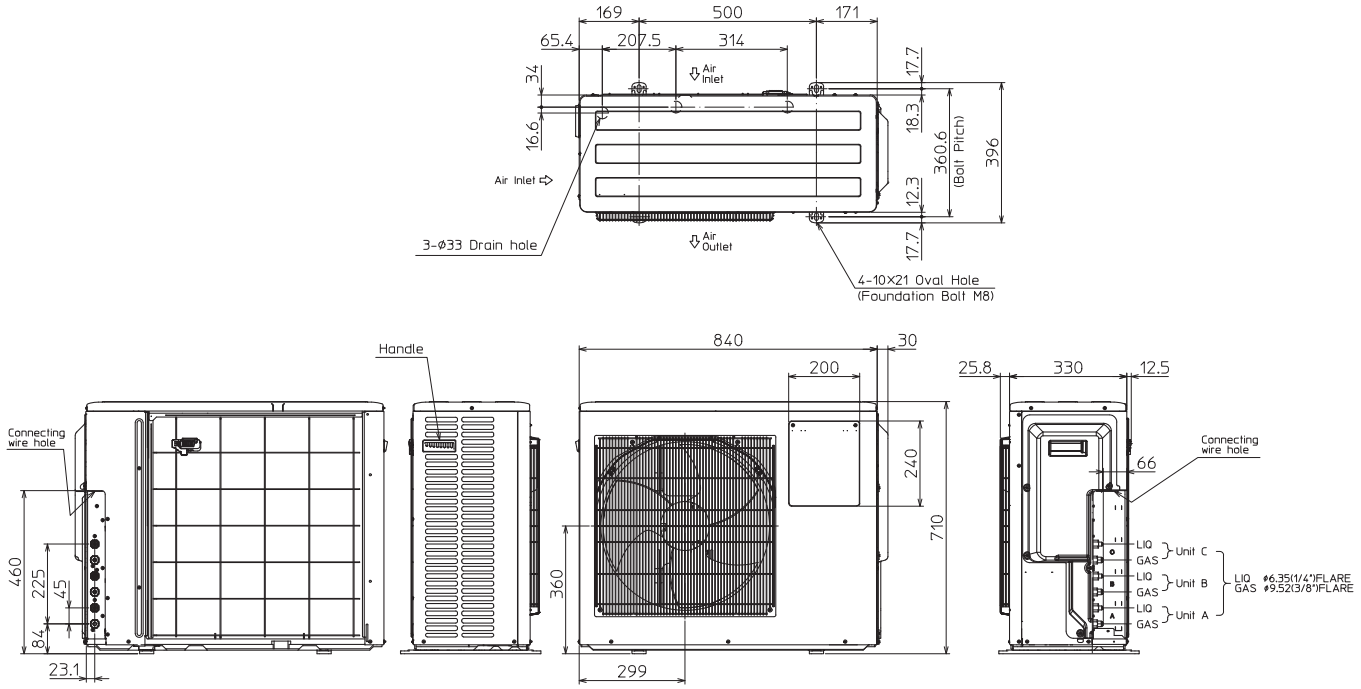
Unit: mm



MXZ-3F54VF3 MXZ-3E54VA MXZ-3HA50VF
MXZ-3F68VF3 MXZ-3E68VA

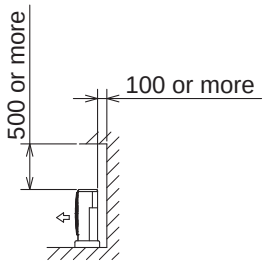
OUTDOOR UNIT

Unit: mm

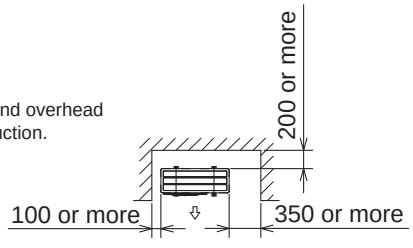


1.Installation space

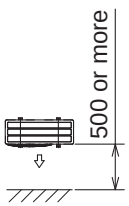
Note : Leave front and both sides free of obstruction.



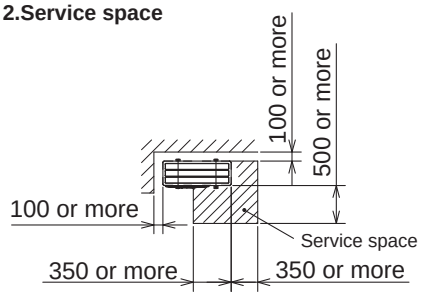
Note : Leave front and overhead free of obstruction.



Note : Leave rear, overhead and both sides free of obstruction.



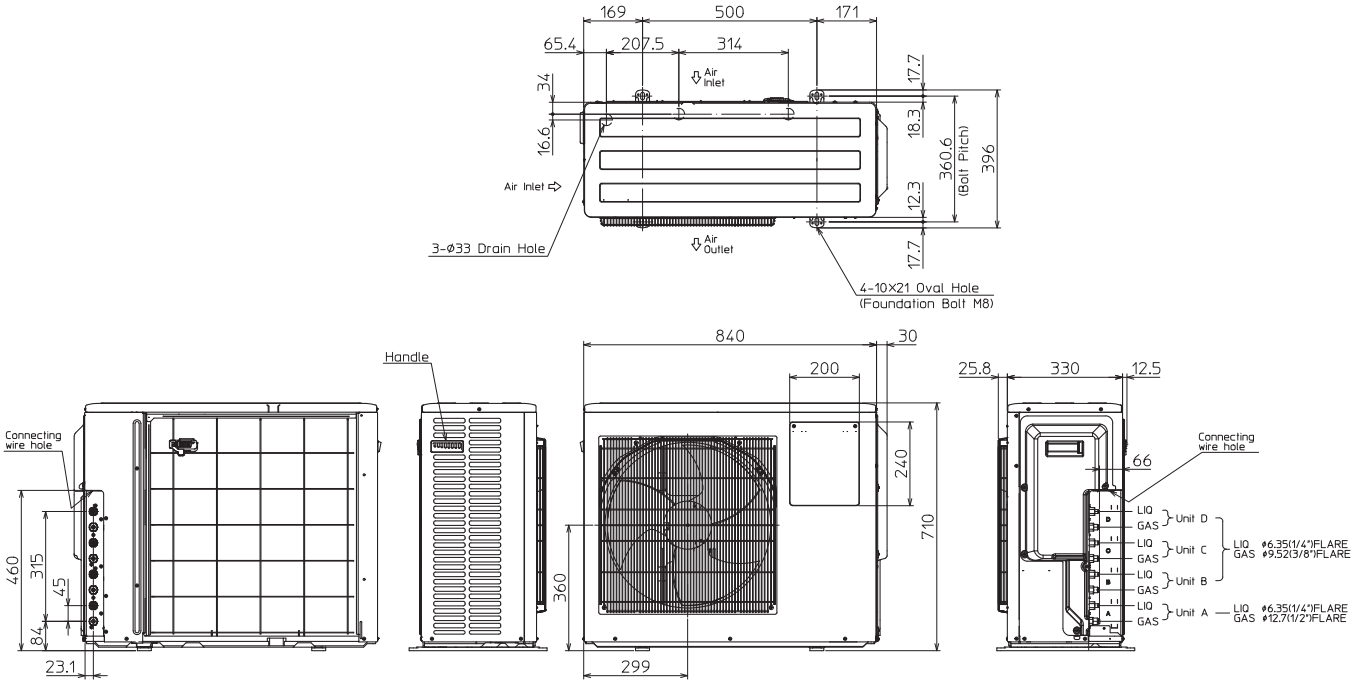
2.Service space



MXZ-4F72VF3 MXZ-4F80VF3 MXZ-4E72VA

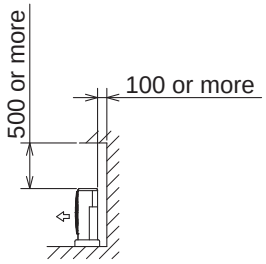
OUTDOOR UNIT

Unit: mm

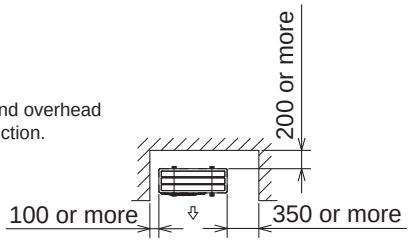


1.Installation space

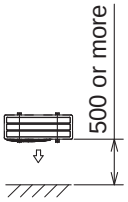
Note : Leave front and both sides free of obstruction.



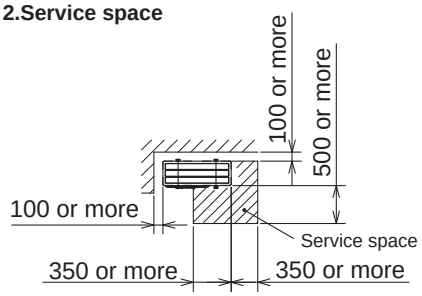
Note : Leave front and overhead free of obstruction.



Note : Leave rear, overhead and both sides free of obstruction.



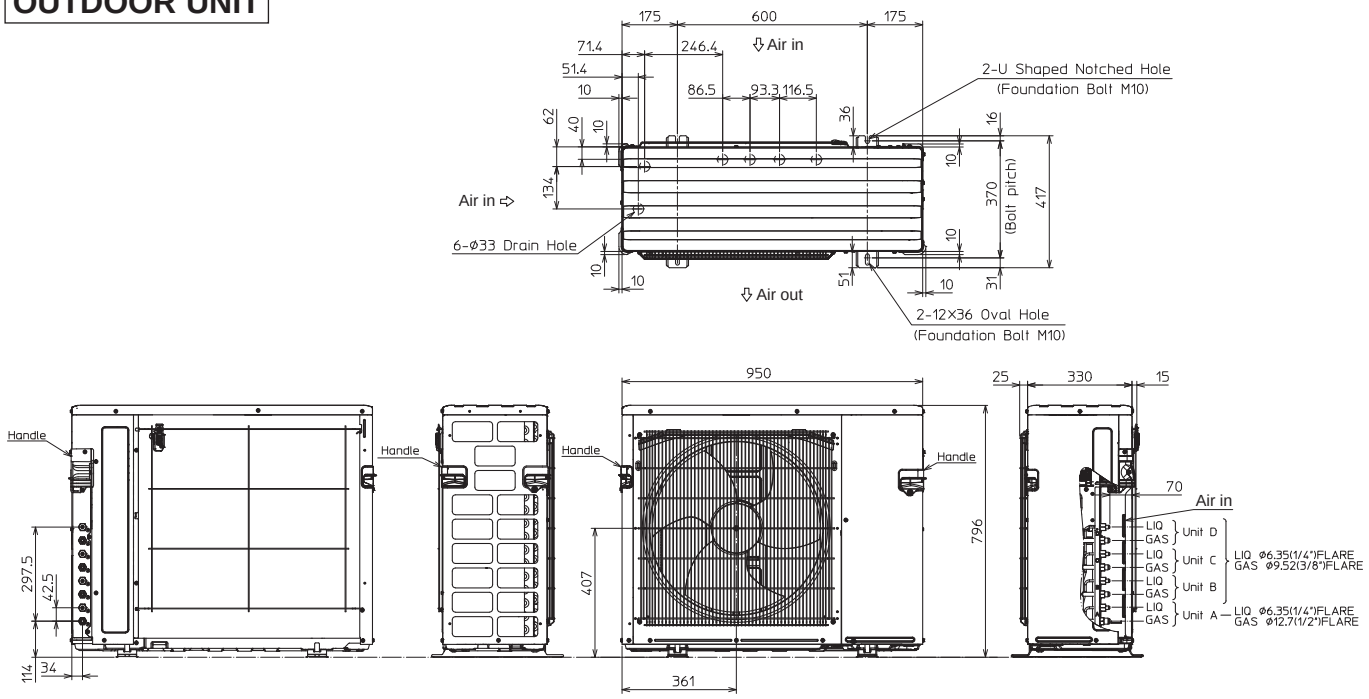
2.Service space



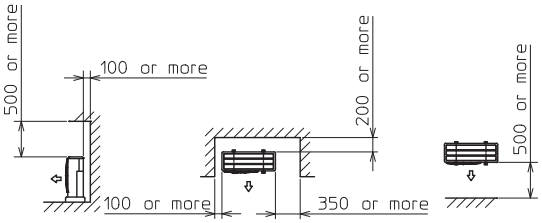
MXZ-4F83VF

OUTDOOR UNIT

Unit: mm



1.FREE SPACE



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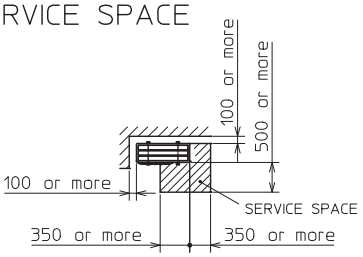
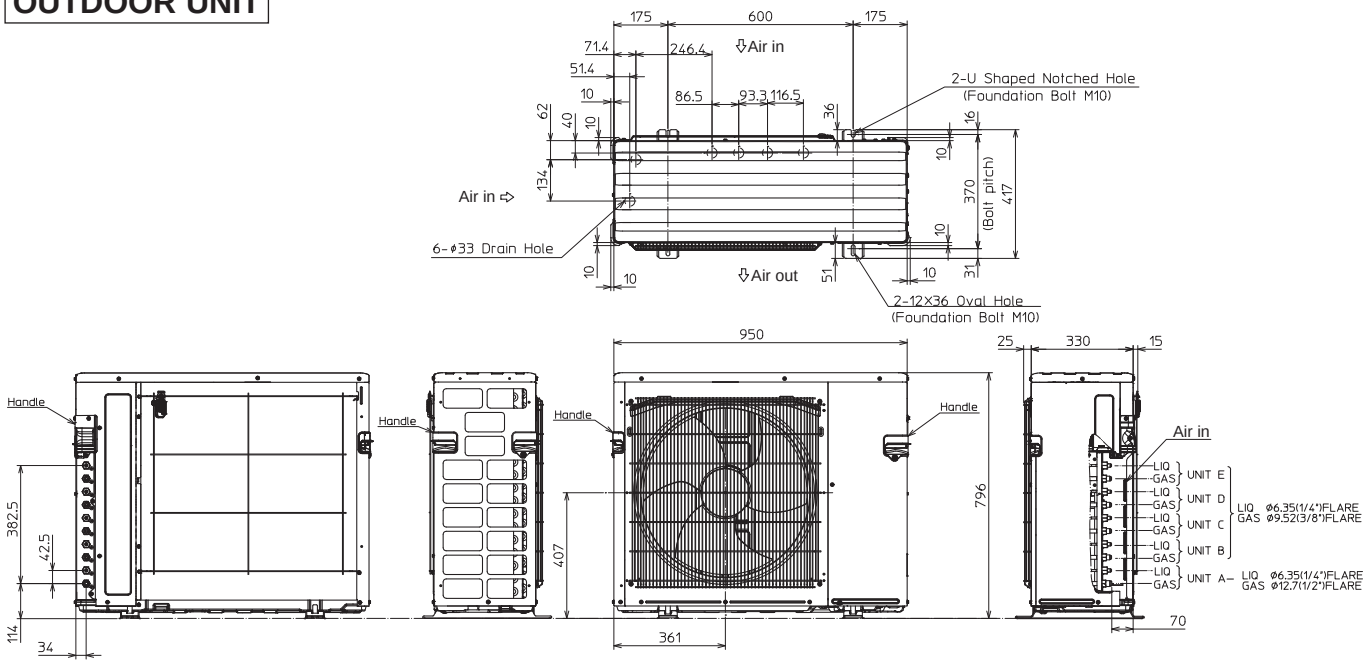
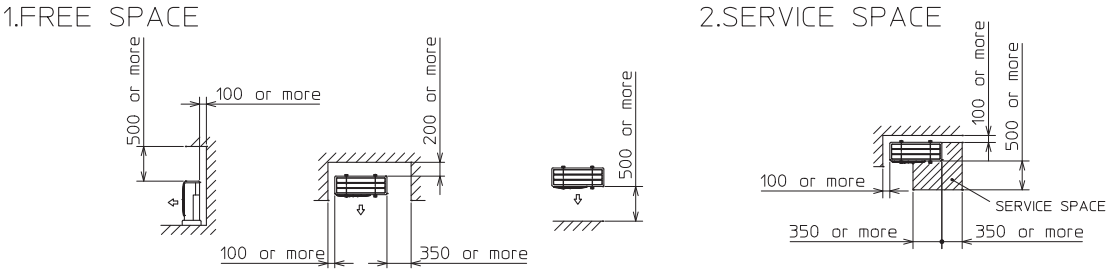


MXZ-5F102VF

OUTDOOR UNIT

Unit: mm

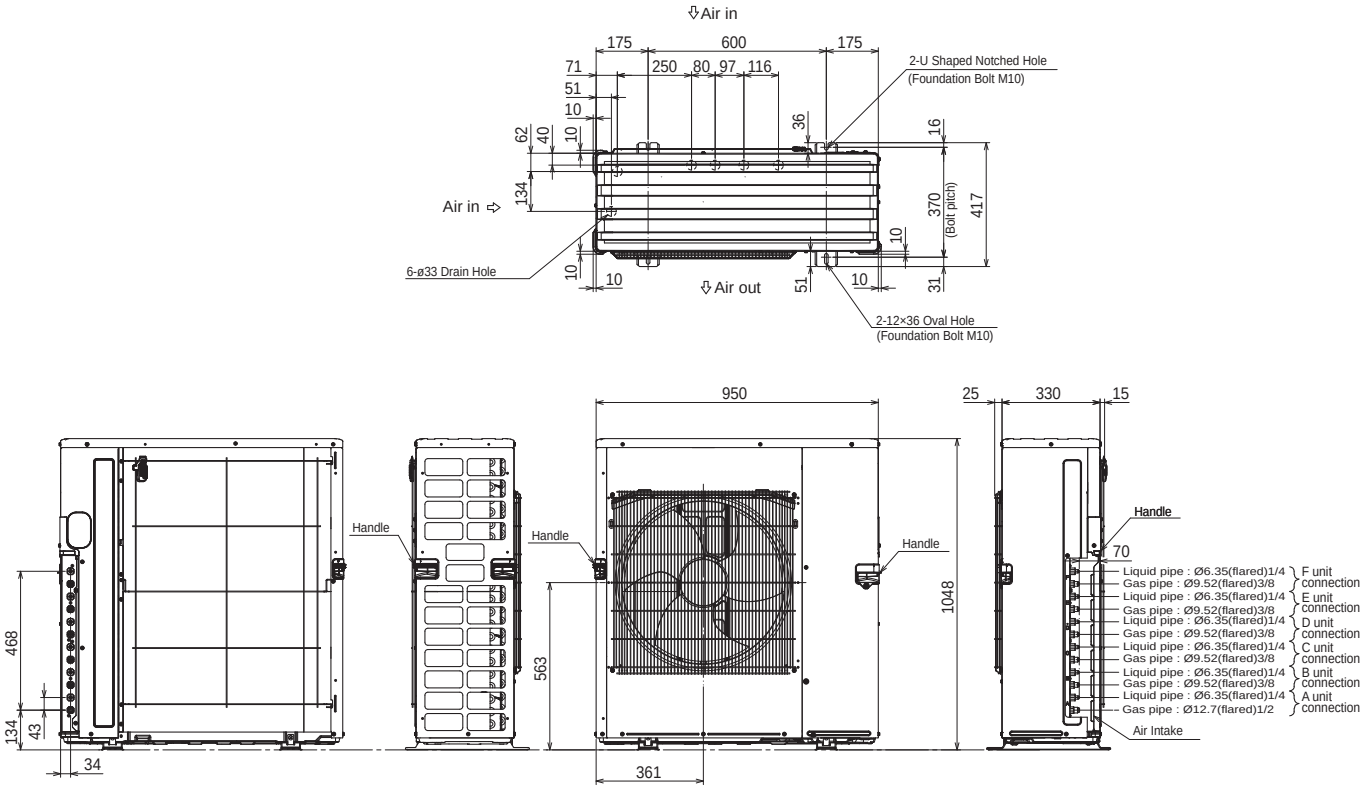




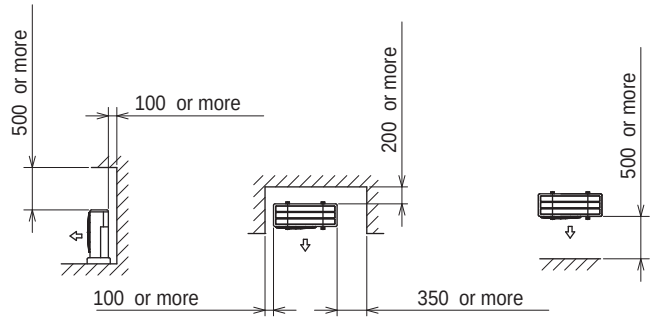
MXZ-6F122VF

OUTDOOR UNIT

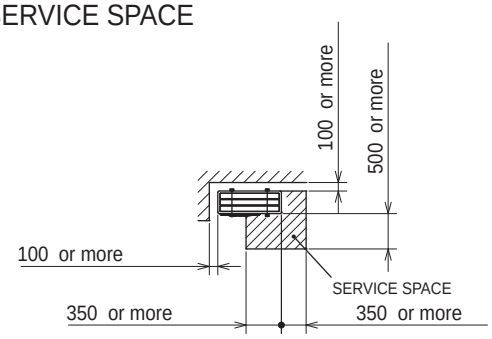
Unit: mm



1.FREE SPACE



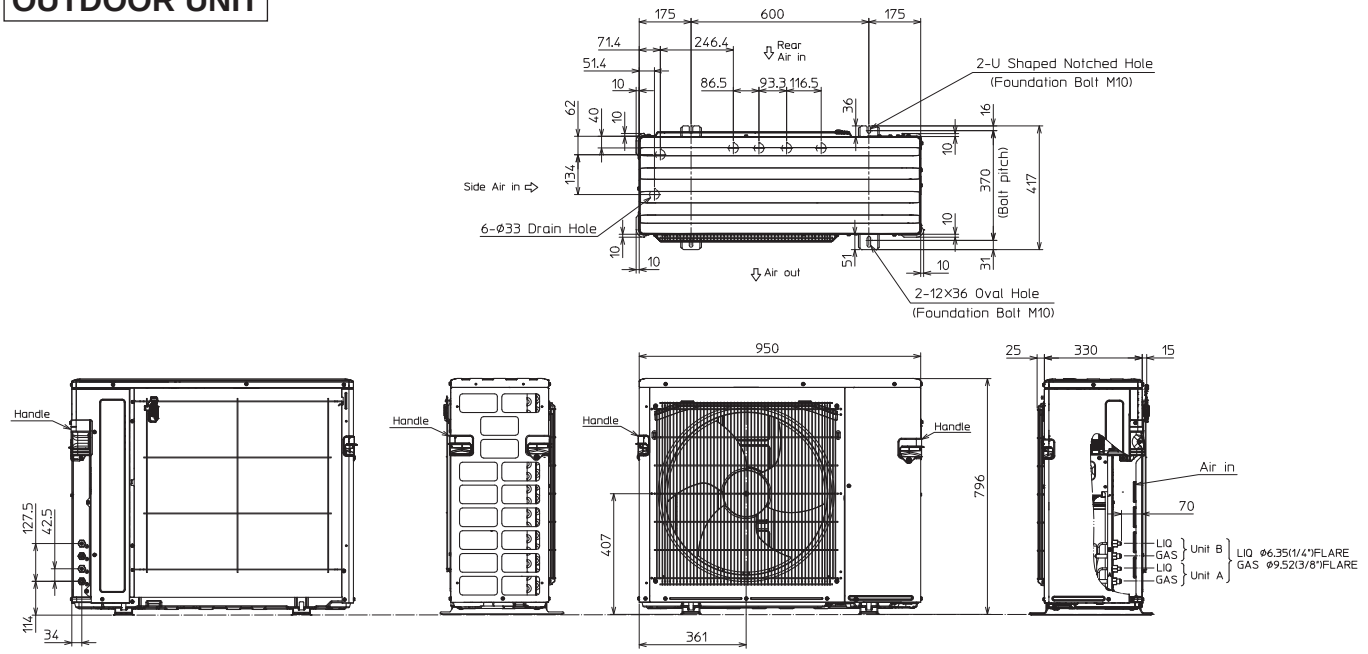
2.SERVICE SPACE



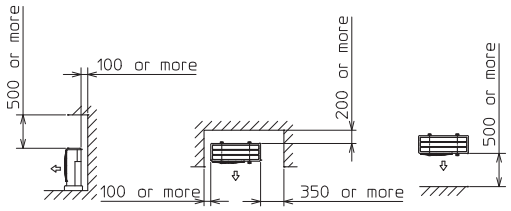
MXZ-2F53VFHZ

OUTDOOR UNIT

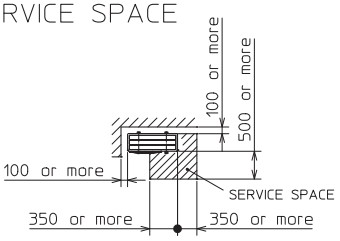
Unit: mm



1.FREE SPACE



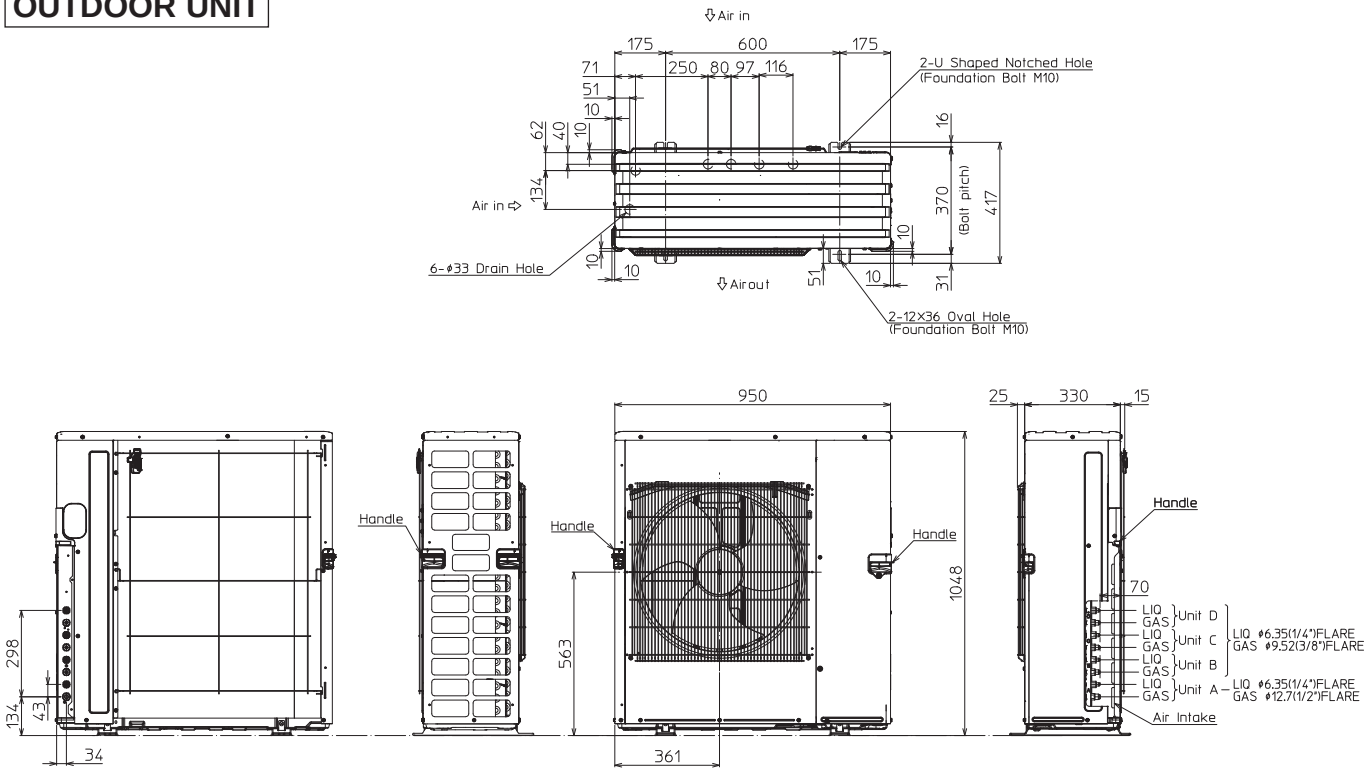
2.SERVICE SPACE

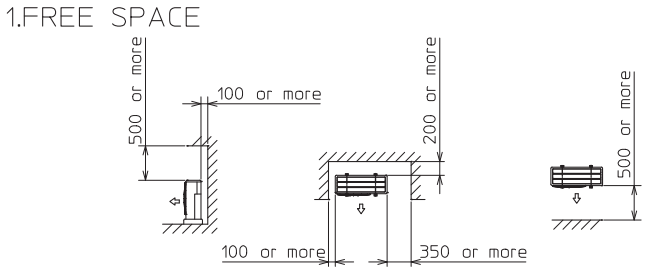


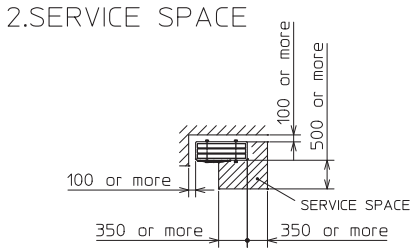
MXZ-4F83VFHZ

OUTDOOR UNIT

Unit: mm



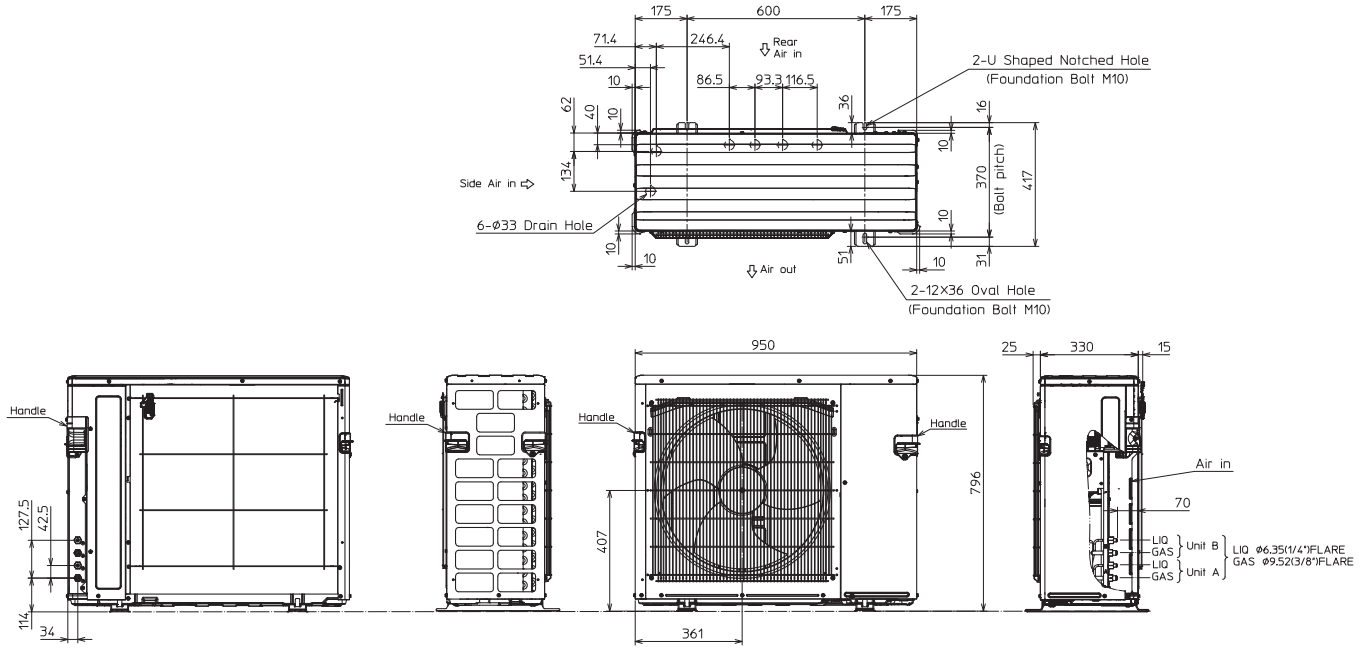




MXZ-2E53VAHZ

OUTDOOR UNIT

Unit: mm



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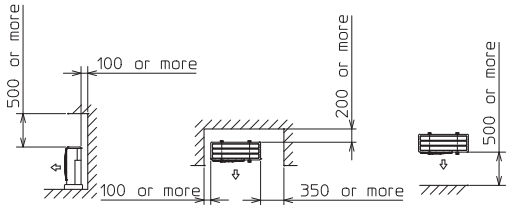
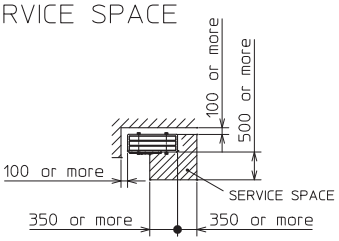


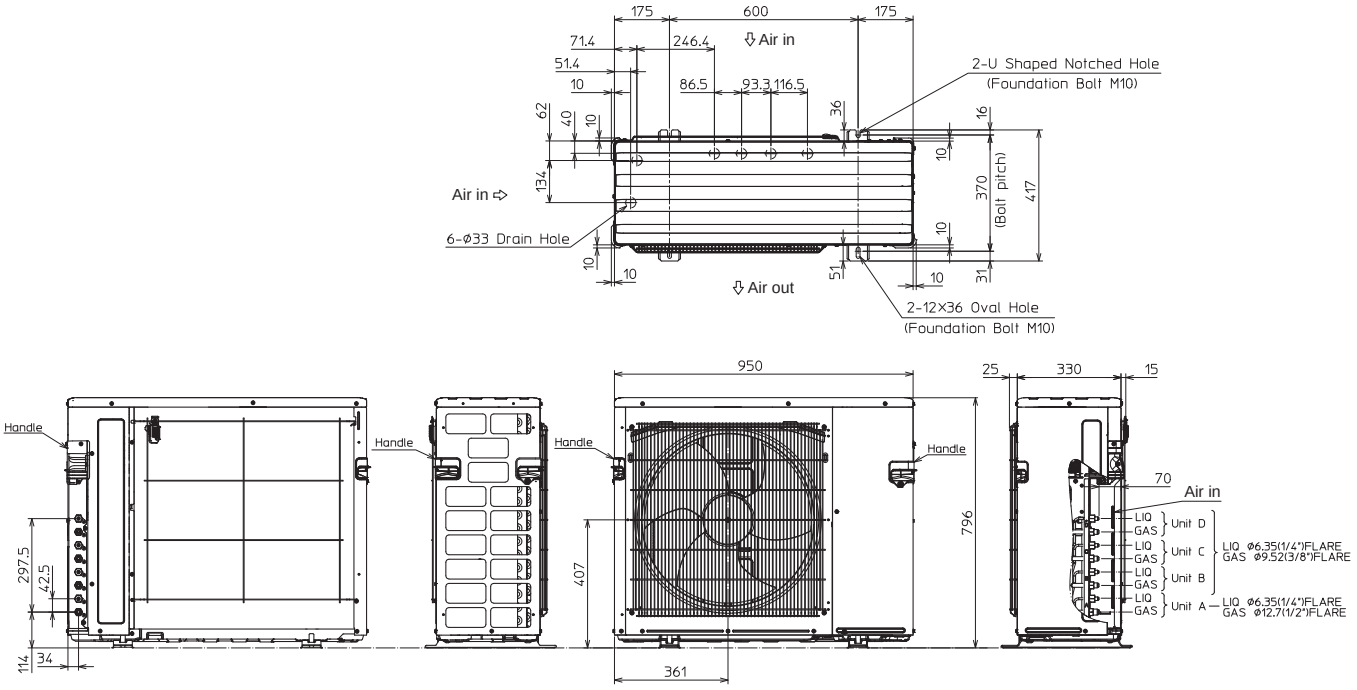
2.SERVICE SPACE



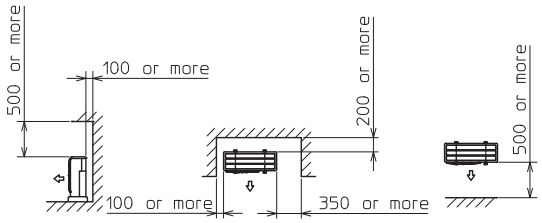
MXZ-4E83VA

OUTDOOR UNIT

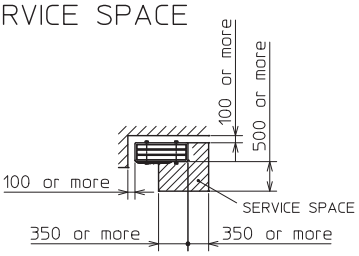
Unit: mm



1.FREE SPACE



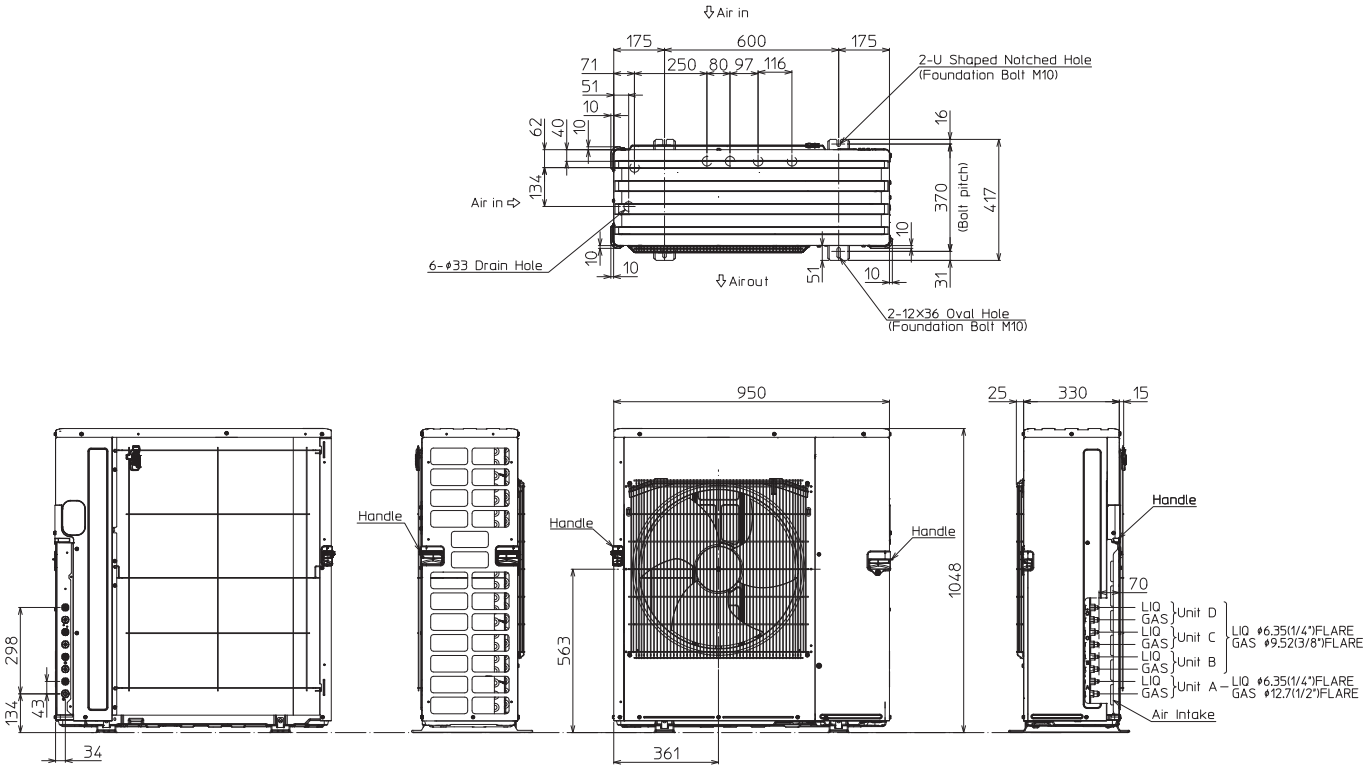
2.SERVICE SPACE

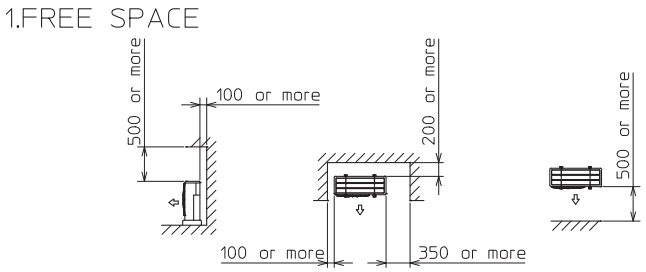


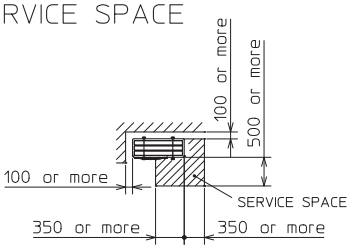
MXZ-4E83VAHZ

OUTDOOR UNIT

Unit: mm



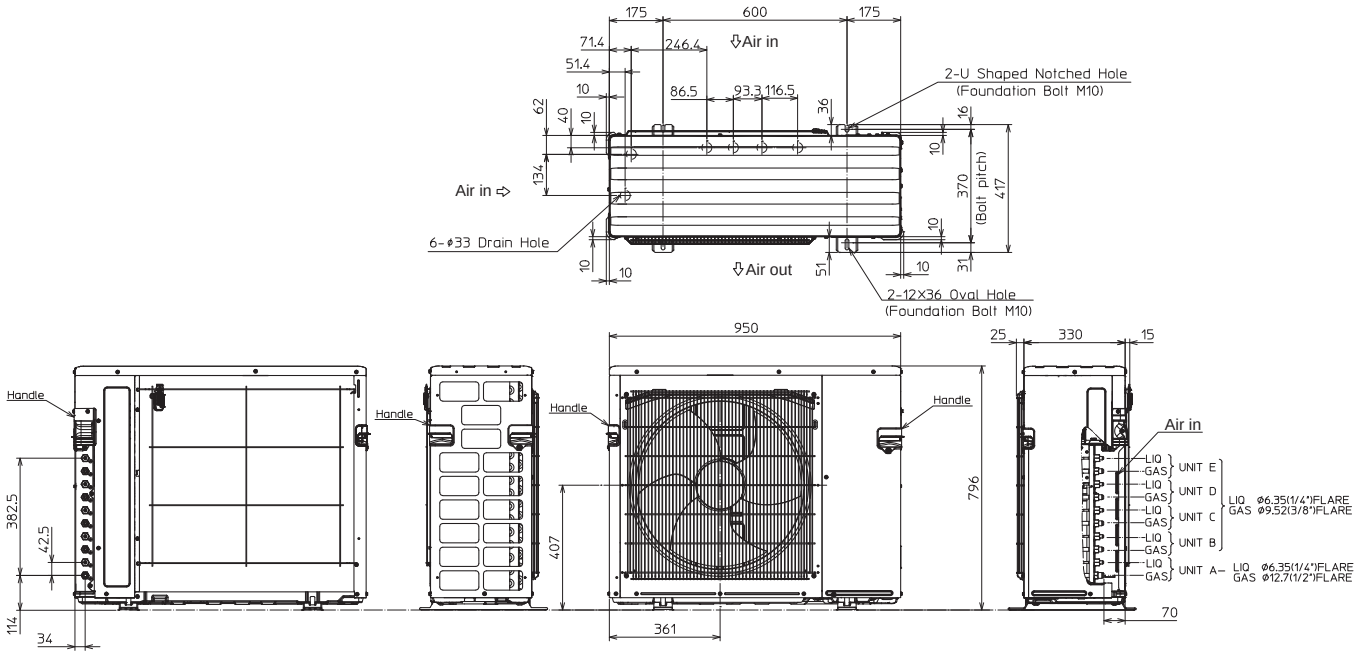


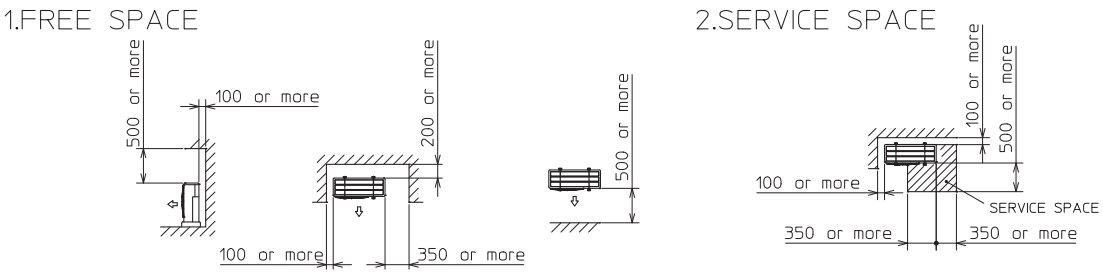


MXZ-5E102VA

OUTDOOR UNIT

Unit: mm

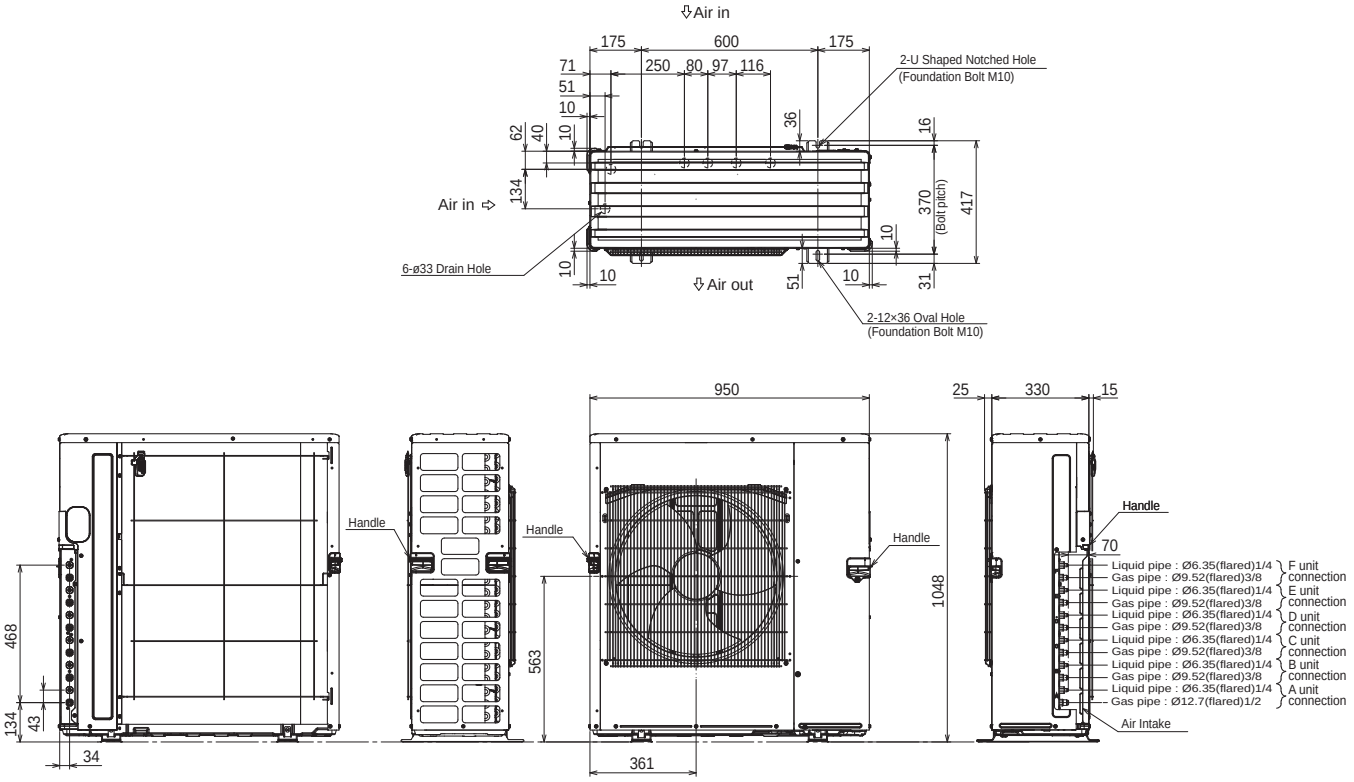




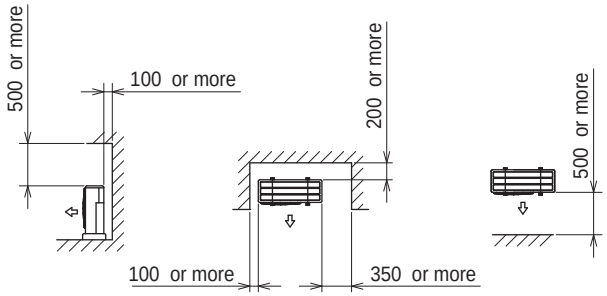
MXZ-6D122VA2

OUTDOOR UNIT

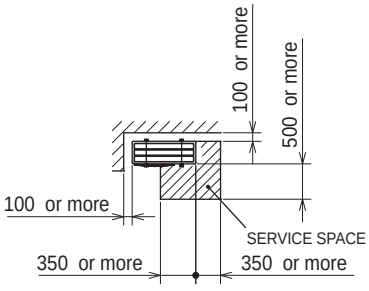
Unit: mm



1.FREE SPACE



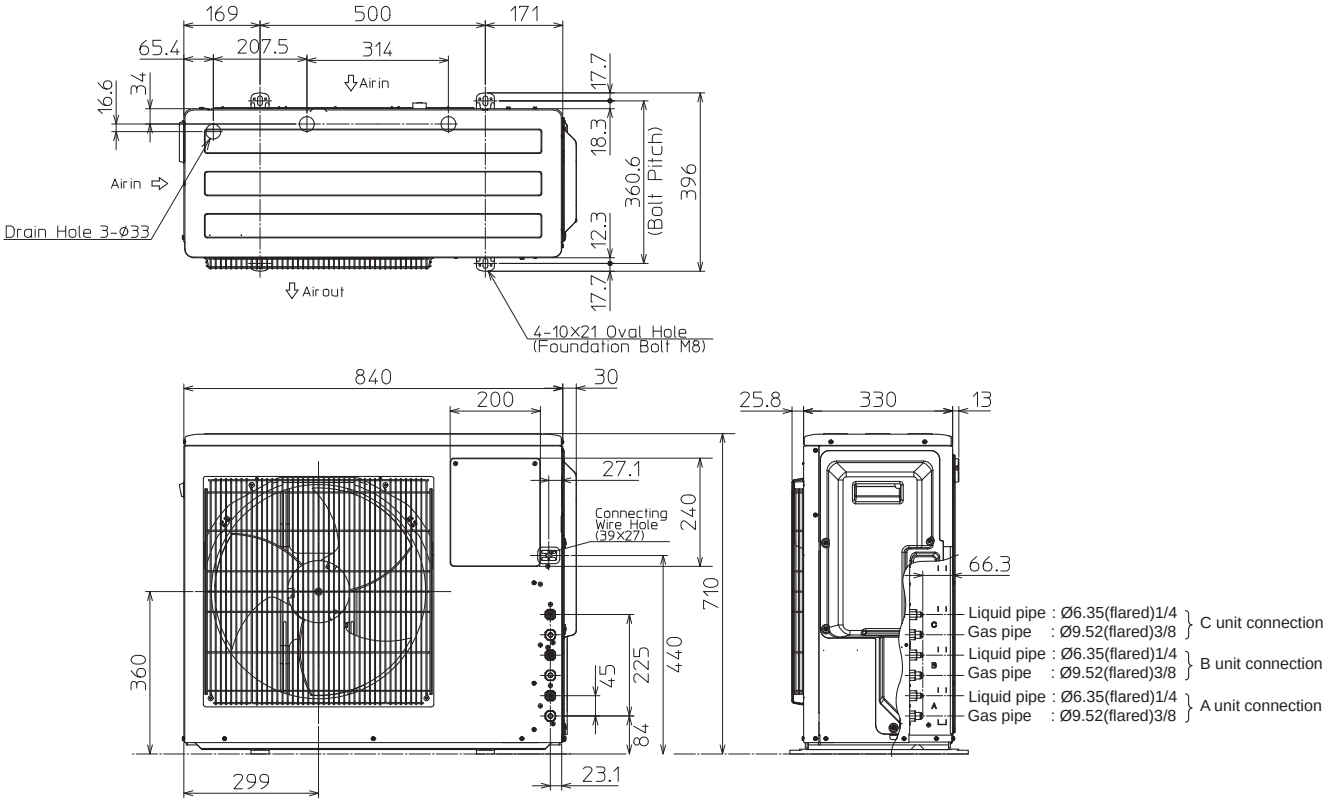
2.SERVICE SPACE



MXZ-3DM50VA

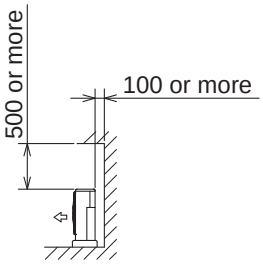
OUTDOOR UNIT

Unit: mm

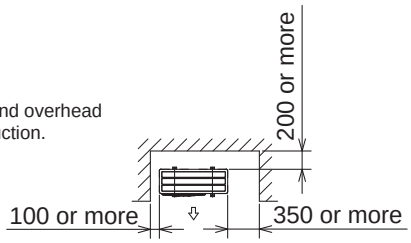


1.Installation space

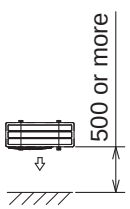
Note : Leave front and both sides free of obstruction.



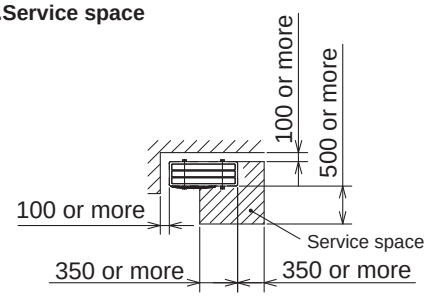
Note : Leave front and overhead free of obstruction.



Note : Leave rear, overhead and both sides free of obstruction.



2.Service space

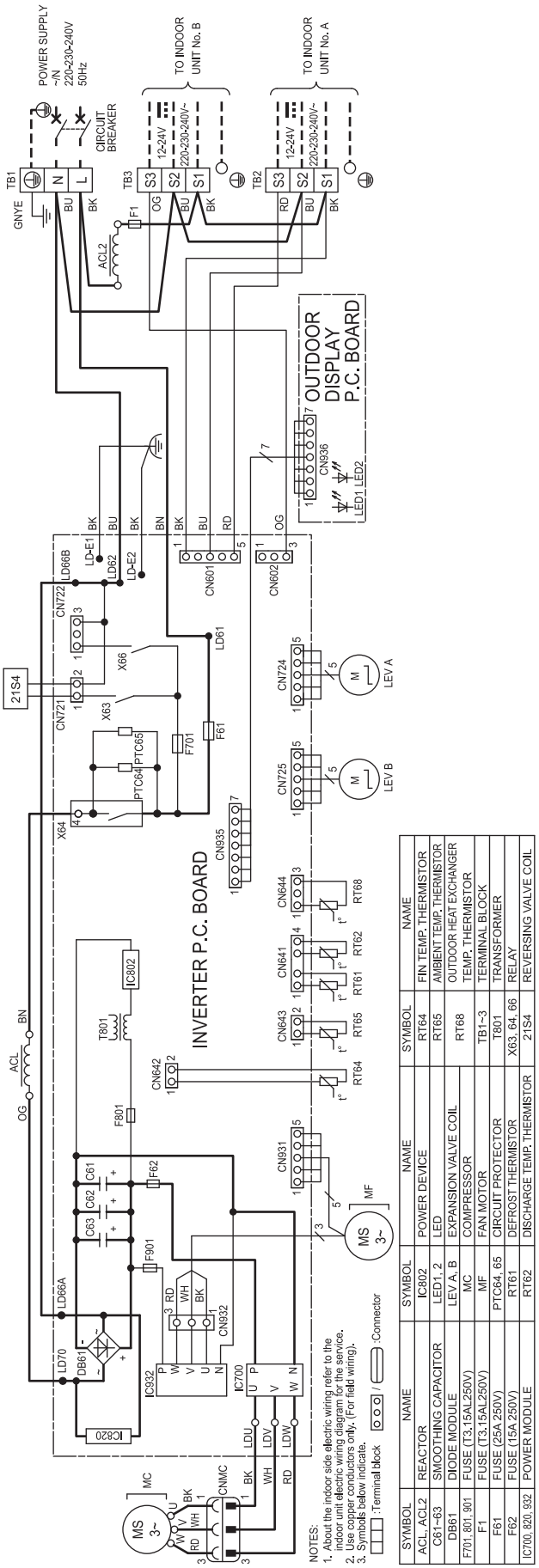


C.4.3 WIRING DIAGRAM

C.4.3.1 Inverter Heat Pump

MXZ-2F33VF3 MXZ-2F42VF3 MXZ-2F53VF3

OUTDOOR UNIT



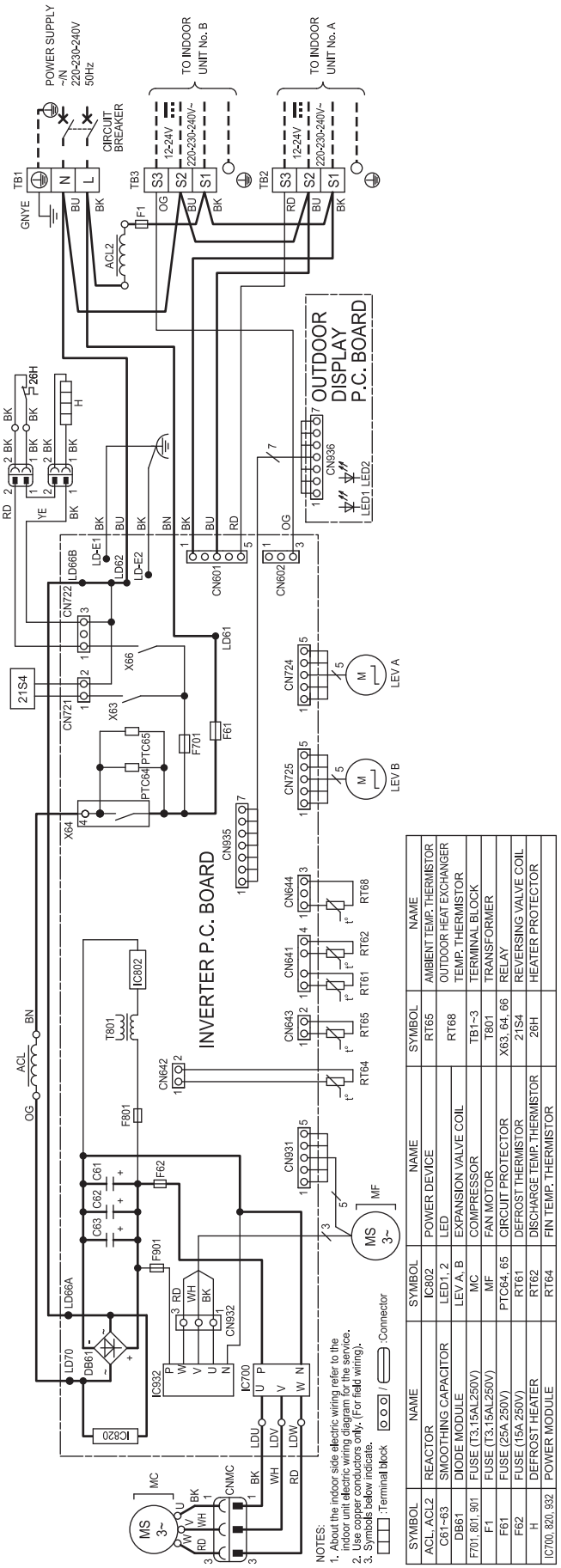
SYMBOL	NAME
ACL, ACL2	REACTOR
C61~63	SMOOTHING CAPACITOR
DB61	DIODE MODULE
F701, 801, 901	FUSE (T3.15AL250V)
F1	FUSE (T3.15AL250V)
F61	FUSE (25A 250V)
F62	FUSE (15A 250V)
IC700, 820, 932	POWER MODULE

SYMBOL	NAME
IC802	POWER DEVICE
LED1, 2	LED
LEV A, B	EXPANSION VALVE COIL
MC	COMPRESSOR
MF	FAN MOTOR
PTC64, 65	CIRCUIT PROTECTOR
RT61	DEFROST THERMISTOR
RT62	DISCHARGE TEMP. THERMISTOR

SYMBOL	NAME
RT64	FIN TEMP. THERMISTOR
RT65	AMBIENT TEMP. THERMISTOR
RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
TB1~3	TERMINAL BLOCK
T801	TRANSFORMER
X63, 64, 66	RELAY
21S4	REVERSING VALVE COIL

MXZ-2F53VFH3

OUTDOOR UNIT



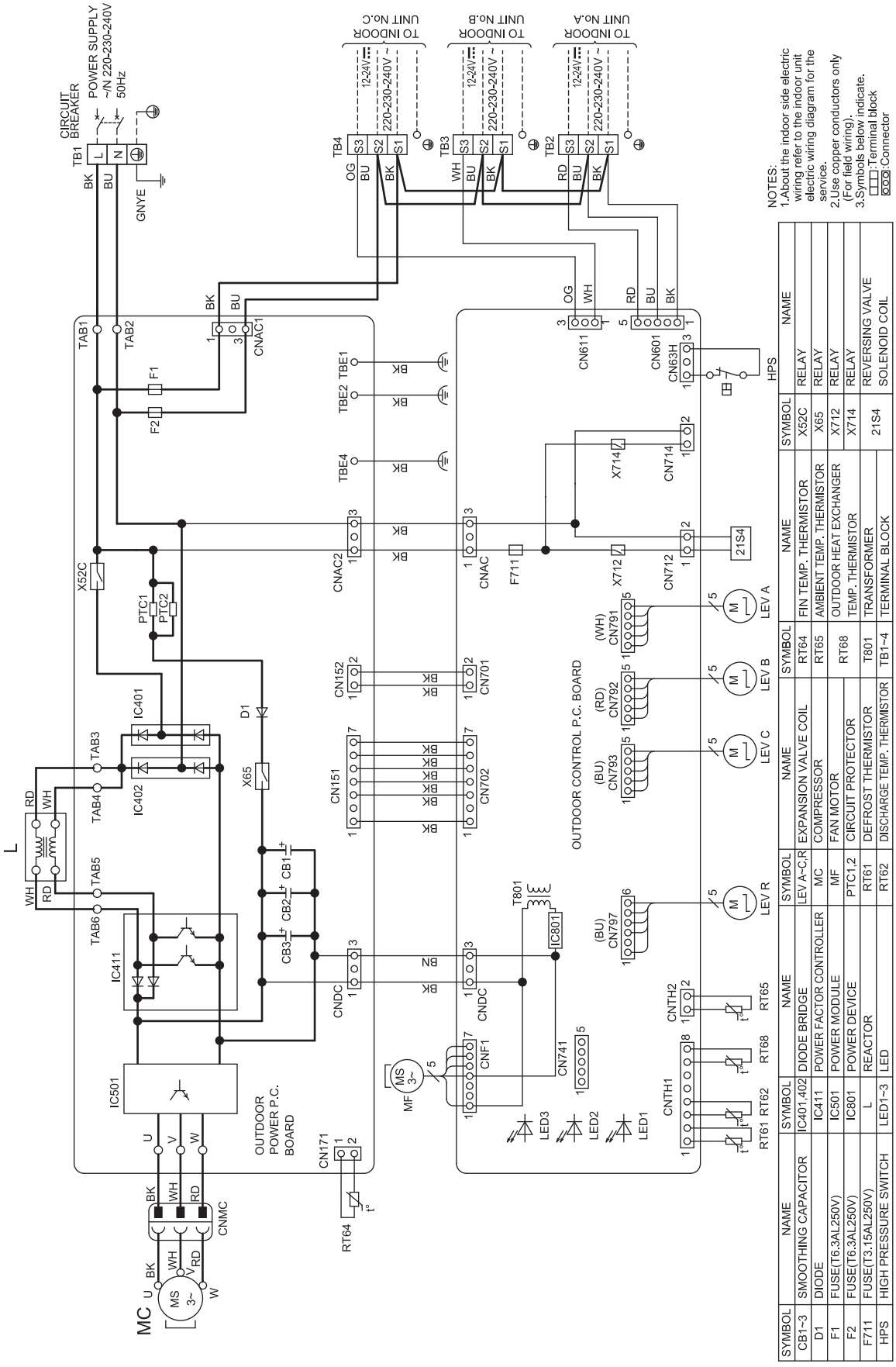
SYMBOL	NAME
ACL, ACL2	REACTOR
C61~63	SMOOTHING CAPACITOR
DB61	DIODE MODULE
F701, 801, 901	FUSE (T3.15AL250V)
F1	FUSE (T3.15AL250V)
F61	FUSE (25A 250V)
F62	FUSE (15A 250V)
H	DEFROST HEATER
IC700, 820, 932	POWER MODULE

SYMBOL	NAME
IC802	POWER DEVICE
LED1, 2	LED
LEV A, B	EXPANSION VALVE COIL
MC	COMPRESSOR
MF	FAN MOTOR
PTC64, 65	CIRCUIT PROTECTOR
RT61	DEFROST THERMISTOR
RT62	DISCHARGE TEMP. THERMISTOR
RT64	FIN TEMP. THERMISTOR

SYMBOL	NAME
RT65	AMBIENT TEMP. THERMISTOR
RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
TB1~3	TERMINAL BLOCK
T801	TRANSFORMER
X63, 64, 66	RELAY
21S4	REVERSING VALVE COIL
26H	HEATER PROTECTOR

MXZ-3F54VF3 MXZ-3F68VF3

OUTDOOR UNIT

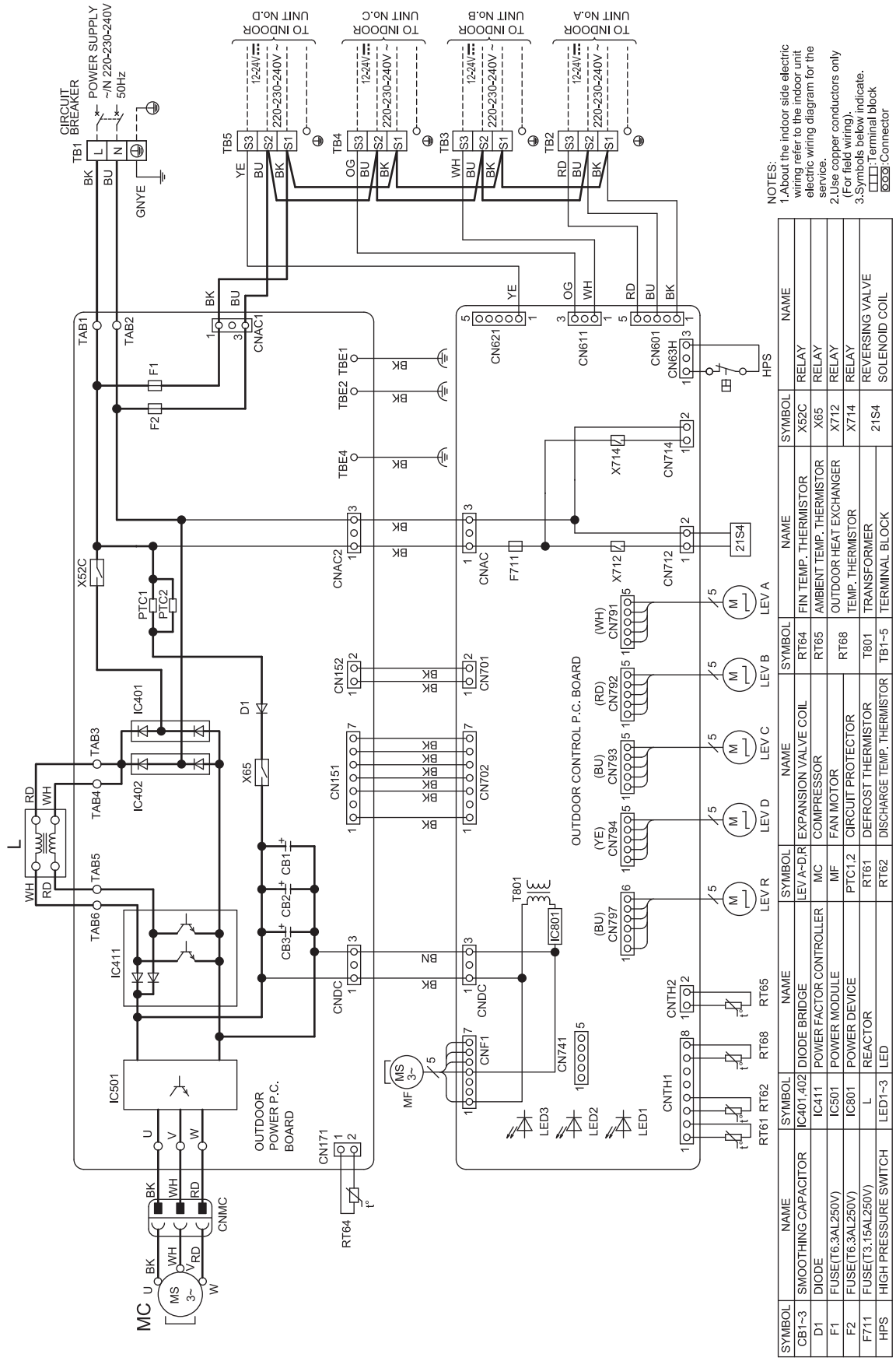


SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC401,402	DIODE BRIDGE	LEV A~C,R	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR
D1	DIODE	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR
F1	FUSE(T6.3AL250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F2	FUSE(T6.3AL250V)	IC801	POWER DEVICE	PTC1,2	CIRCUIT PROTECTOR		
F711	FUSE(T3.15AL250V)	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
HPS	HIGH PRESSURE SWITCH	LED1~3	LED	RT62	DISCHARGE TEMP. THERMISTOR	TB1~4	TERMINAL BLOCK

SYMBOL	NAME
X52C	RELAY
X65	RELAY
X712	RELAY
X714	RELAY
21S4	REVERSING VALVE SOLENOID COIL

MXZ-4F72VF3 MXZ-4F80VF3

OUTDOOR UNIT

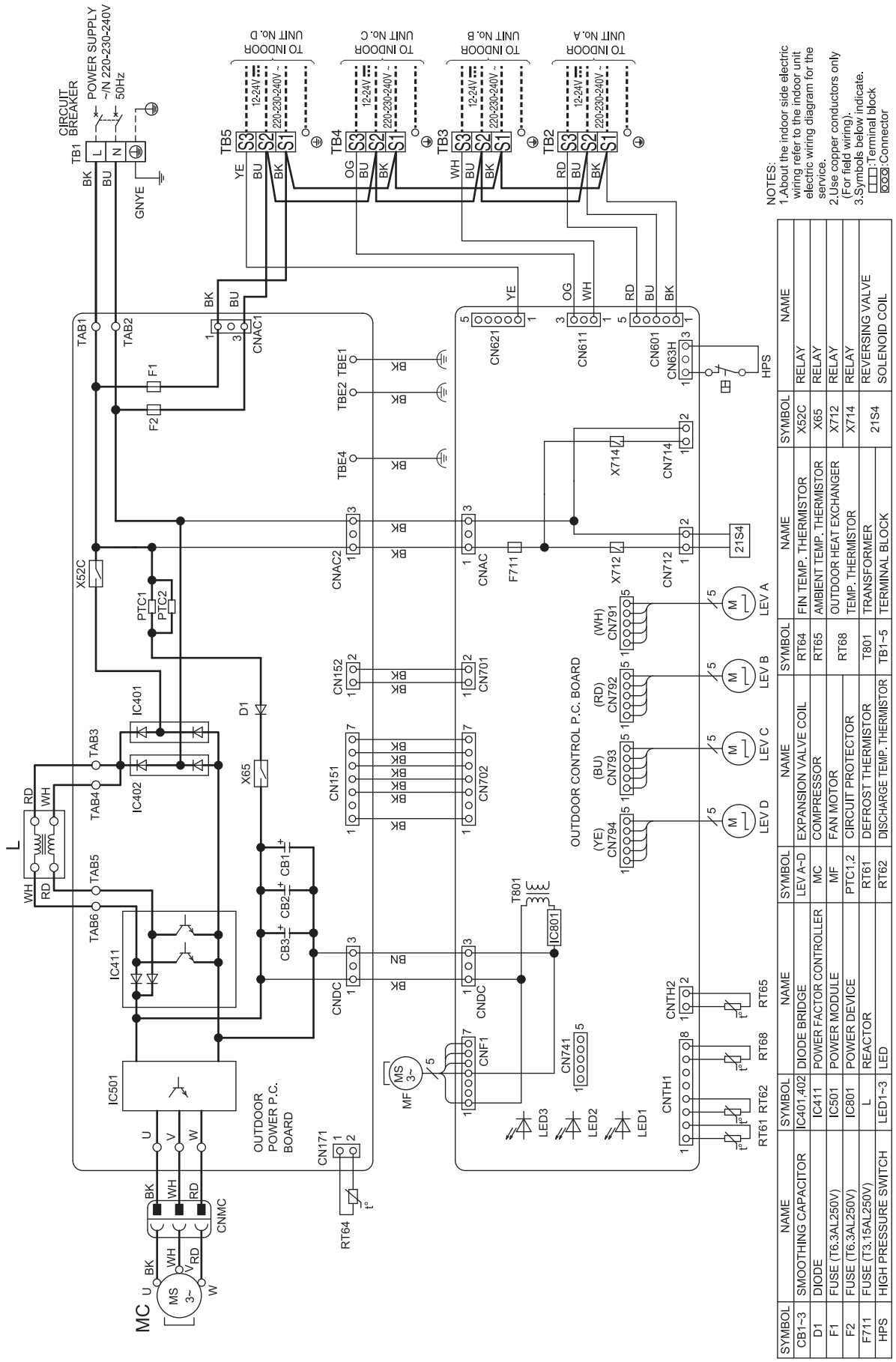


SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC401,402	DIODE BRIDGE	LEV A~D,R	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR
D1	DIODE	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR
F1	FUSE(T6.3AL250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F2	FUSE(T6.3AL250V)	IC801	POWER DEVICE	PTC1,2	CIRCUIT PROTECTOR		
F711	FUSE(T3.15AL250V)	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
HPS	HIGH PRESSURE SWITCH	LED1~3	LED	RT62	DISCHARGE TEMP. THERMISTOR	TB1~5	TERMINAL BLOCK

SYMBOL	NAME
X52C	RELAY
X65	RELAY
X712	RELAY
X714	RELAY
21S4	REVERSING VALVE SOLENOID COIL

MXZ-4F83VF

UNIT: mm

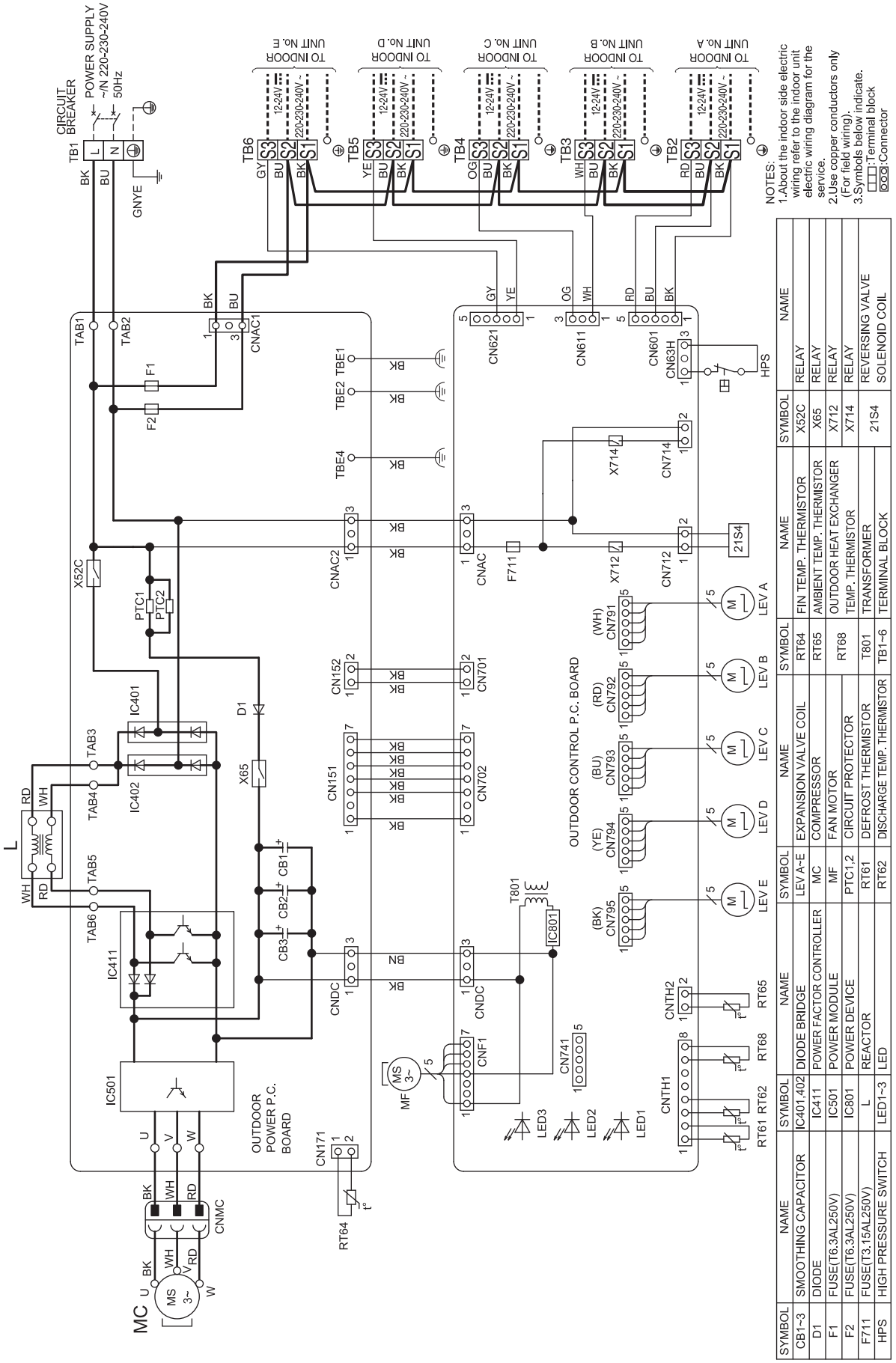


NOTES:
1.About the indoor side electric wiring refer to the indoor unit electric wiring diagram for the service.
2.Use copper conductors only (For field wiring).
3.Symbols below indicate.
□□□:Terminal block
▯▯▯:Connector

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC401,402	DIODE BRIDGE	LEV A~D	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR
D1	DIODE	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR
F1	FUSE (T6.3AL250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F2	FUSE (T6.3AL250V)	IC801	POWER DEVICE	PTC1,2	CIRCUIT PROTECTOR		
F711	FUSE (T3.15AL250V)	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
HPS	HIGH PRESSURE SWITCH	LED1~3	LED	RT62	DISCHARGE TEMP. THERMISTOR	TB1~5	TERMINAL BLOCK

SYMBOL	NAME
X52C	RELAY
X65	RELAY
X712	RELAY
X714	RELAY
21S4	REVERSING VALVE SOLENOID COIL

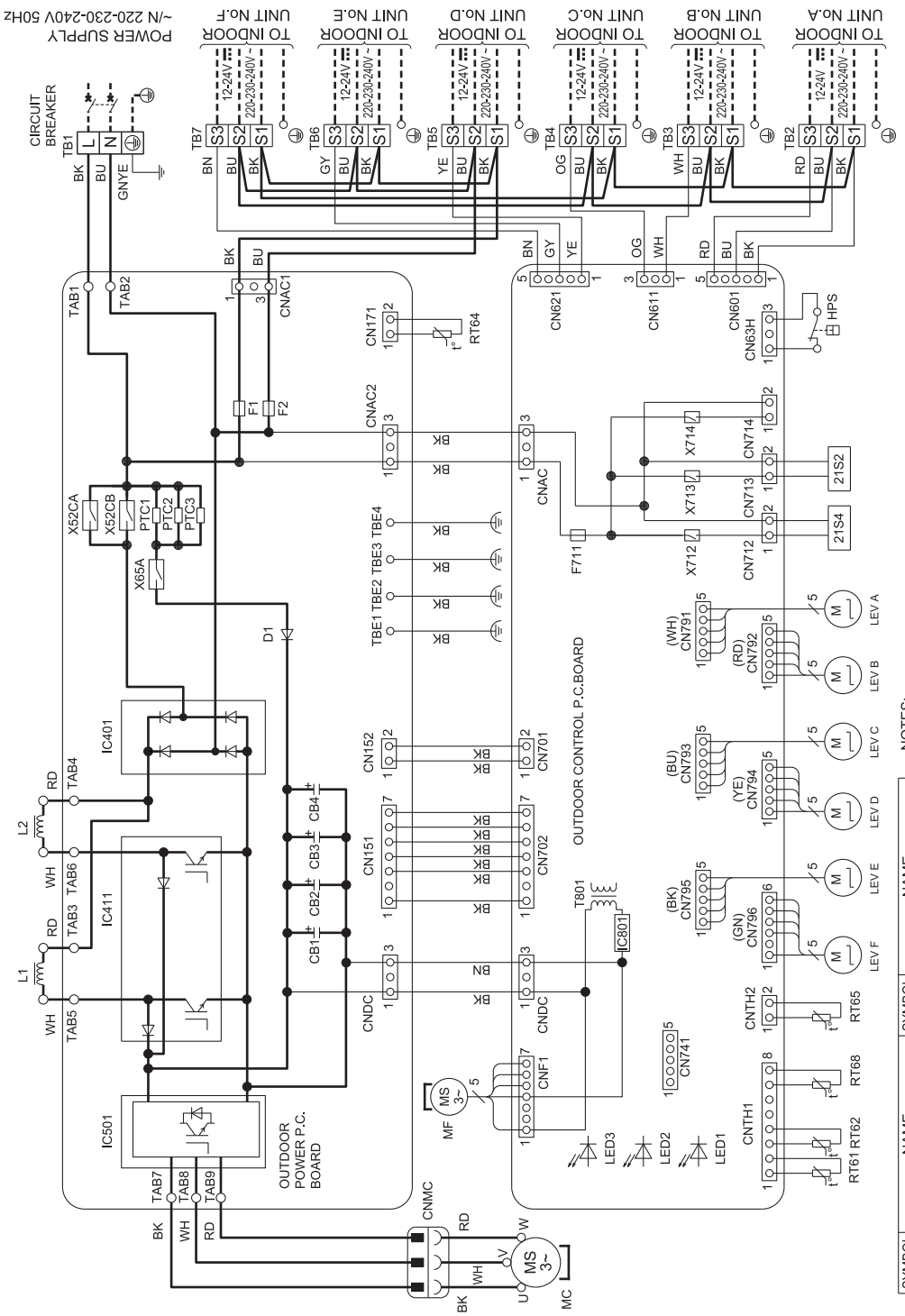
MXZ-5F102VF



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC401,402	DIODE BRIDGE	LEV A~E	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR
D1	DIODE	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR
F1	FUSE(T6.3AL250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F2	FUSE(T6.3AL250V)	IC801	POWER DEVICE	PTC1,2	CIRCUIT PROTECTOR	T801	TRANSFORMER
F711	FUSE(T3.15AL250V)	L	REACTOR	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE SOLENOID COIL
HPS	HIGH PRESSURE SWITCH	LED1~3	LED	RT62	DISCHARGE TEMP. THERMISTOR	TB1~6	TERMINAL BLOCK

SYMBOL	NAME
X52C	RELAY
X65	RELAY
X712	RELAY
X714	RELAY

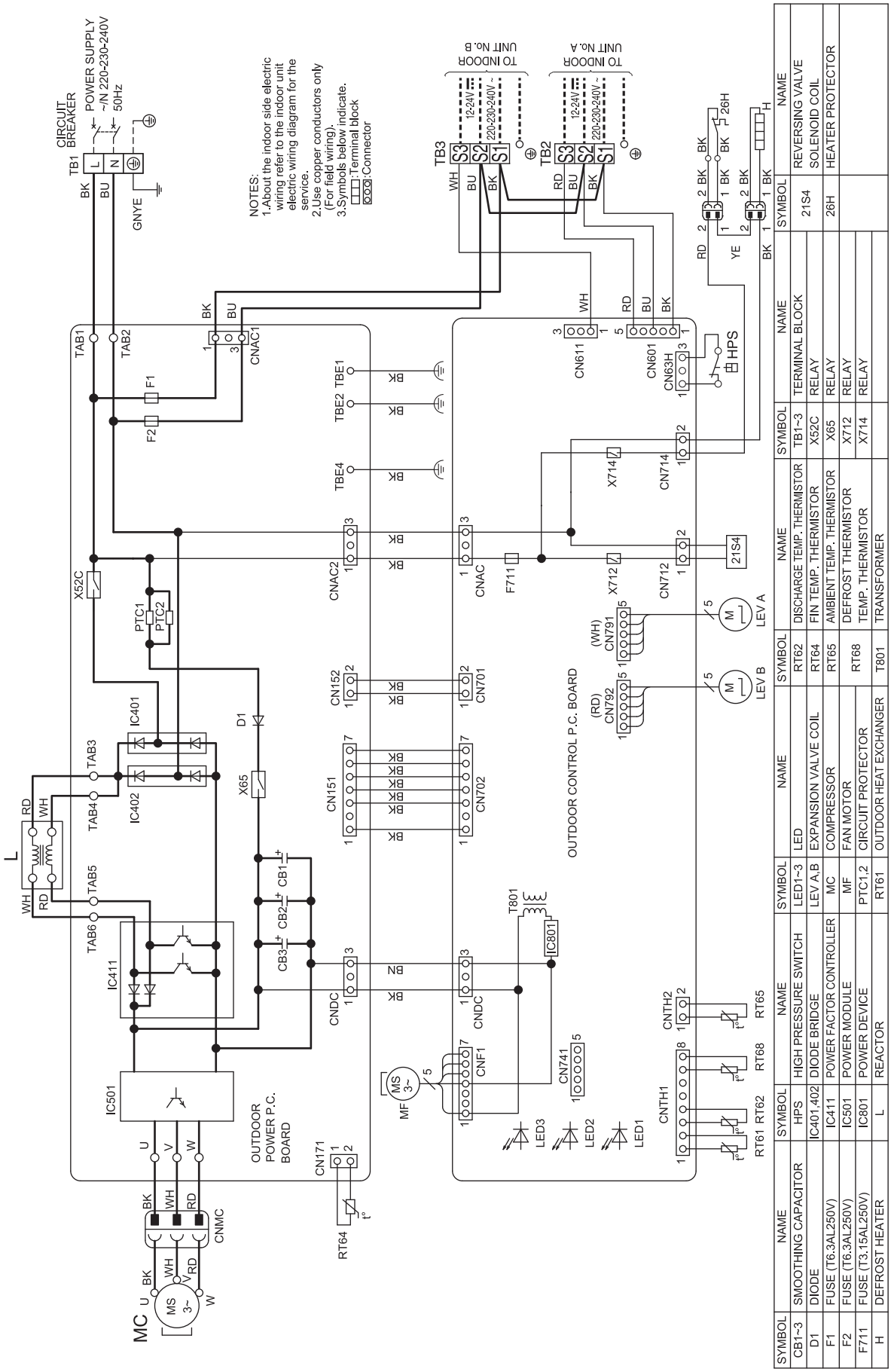
MXZ-6F122VF



NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for the service.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
□□□ : Terminal block
○○○ : Connector

SYMBOL	NAME	SYMBOL	NAME
CB1~4	SMOOTHING CAPACITOR	RT61	DEFROST THERMISTOR
D1	DIODE	RT62	DISCHARGE TEMP.THERMISTOR
F1,F2	FUSE(T6.3AL250V)	RT64	FIN TEMP.THERMISTOR
F711	FUSE(T3.15AL250V)	RT65	AMBIENT TEMP.THERMISTOR
HPS	HIGH PRESSURE SWITCH	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
IC401	DIODE BRIDGE	T801	TRANSFORMER
IC411	POWER MODULE	TB1~7	TERMINAL BLOCK
IC501	POWER MODULE	X52CA,B	RELAY
IC801	POWER DEVICE	X65A	RELAY
L1,L2	REACTOR	X712	RELAY
LED1~3	LED	X713	RELAY
LEV A~F	EXPANSION VALVE COIL	X714	RELAY
MC	COMPRESSOR	21S2	2WAY VALVE SOLENOID COIL
MF	FAN MOTOR	21S4	REVERSING VALVE SOLENOID COIL
PTC1~3	CIRCUIT PROTECTOR		

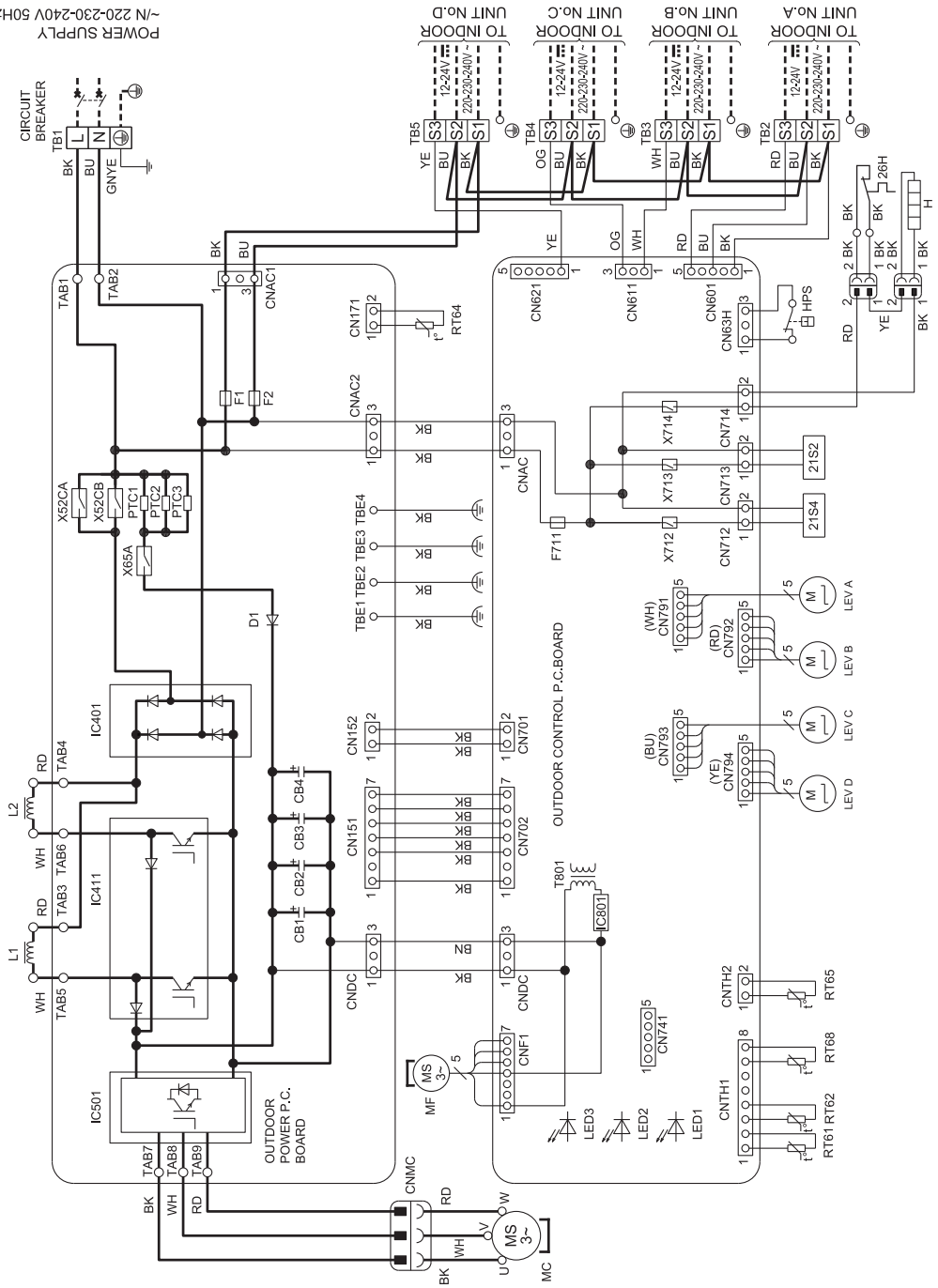
MXZ-2F53VFHZ



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	HPS	HIGH PRESSURE SWITCH	LED1~3	LED	RT62	DISCHARGE TEMP. THERMISTOR
D1	DIODE	IC401,402	DIODE BRIDGE	LEV A,B	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR
F1	FUSE (T6.3AL250V)	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR
F2	FUSE (T6.3AL250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	DEFROST THERMISTOR
F711	FUSE (T3.15AL250V)	IC801	POWER DEVICE	PTC1,2	CIRCUIT PROTECTOR		TEMP. THERMISTOR
H	DEFROST HEATER	L	REACTOR	RT61	OUTDOOR HEAT EXCHANGER	T801	TRANSFORMER

SYMBOL	NAME	SYMBOL	NAME
TB1~3	TERMINAL BLOCK	21S4	REVERSING VALVE SOLENOID COIL
X52C	RELAY	26H	HEATER PROTECTOR
X65	RELAY		
X712	RELAY		
X714	RELAY		

MXZ-4F83VFHZ

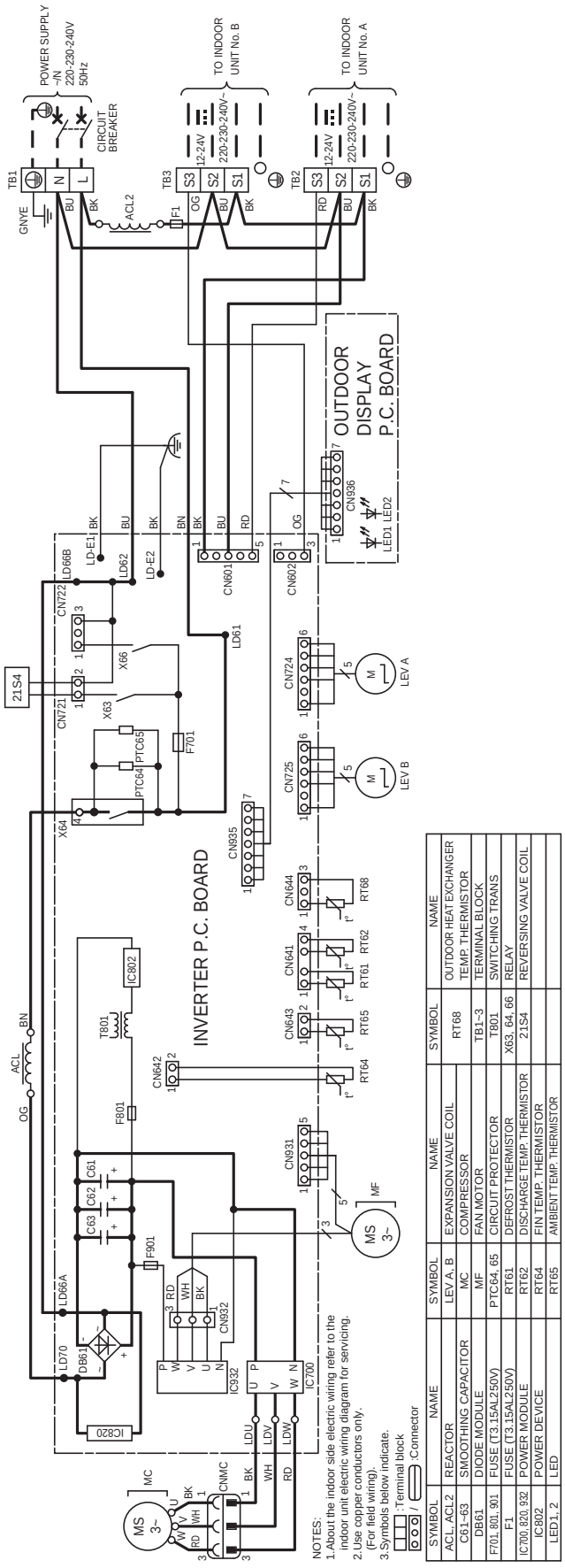


NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for the service.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
   □□ :Terminal block
   ○○○ :Connector

SYMBOL	NAME	SYMBOL	NAME
CB1~4	SMOOTHING CAPACITOR	RT61	DEFROST THERMISTOR
D1	DIODE	RT62	DISCHARGE TEMP.THERMISTOR
F1,F2	FUSE(T6.3AL250V)	RT64	FIN TEMP.THERMISTOR
F711	FUSE(T3.15AL250V)	RT65	AMBIENT TEMP.THERMISTOR
H	DEFROST HEATER	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
HPS	HIGH PRESSURE SWITCH	T801	TRANSFORMER
IC401	DIODE BRIDGE	TB1~5	TERMINAL BLOCK
IC411	POWER MODULE	X52CA,B	RELAY
IC501	POWER MODULE	X65A	RELAY
IC801	POWER DEVICE	X712	RELAY
L1,L2	REACTOR	X713	RELAY
LED1~3	LED	X714	RELAY
LEV A~D	EXPANSION VALVE COIL	21S2	2WAY VALVE SOLENOID COIL
MC	COMPRESSOR	21S4	REVERSING VALVE SOLENOID COIL
MF	FAN MOTOR	26H	HEATER PROTECTOR
PTC1~3	CIRCUIT PROTECTOR		

MXZ-2D33VA MXZ-2D42VA2 MXZ-2D53VA2

OUTDOOR UNIT



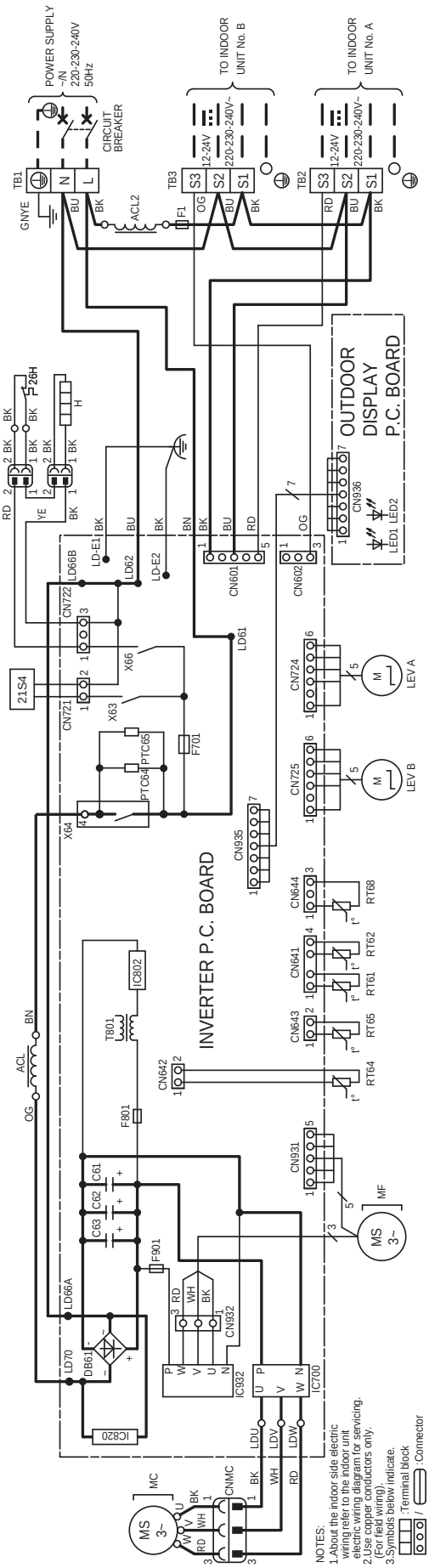
SYMBOL	NAME
ACL, ACL2	REACTOR
C61~63	SMOOTHING CAPACITOR
DB61	DIODE MODULE
F701, 801, 901	FUSE (T3.15AL250V)
F1	FUSE (T3.15AL250V)
IC700, 920, 932	POWER MODULE
IC802	POWER DEVICE
LED1, 2	LED

SYMBOL	NAME
LEV A, B	EXPANSION VALVE COIL
MC	COMPRESSOR
MF	FAN MOTOR
PTC64, 65	CIRCUIT PROTECTOR
RT61	DEFROST THERMISTOR
RT62	DISCHARGE TEMP. THERMISTOR
RT64	FIN TEMP. THERMISTOR
RT65	AMBIENT TEMP. THERMISTOR

SYMBOL	NAME
RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
TB1~3	TERMINAL BLOCK
T801	SWITCHING TRANS
X63, 64, 66	RELAY
21S4	REVERSING VALVE COIL

MXZ-2D53VAH2

OUTDOOR UNIT



NOTES:
1.About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2.Use copper conductors only. (For field wiring).
3.Symbols below indicate.
: Terminal block
/ : Connector

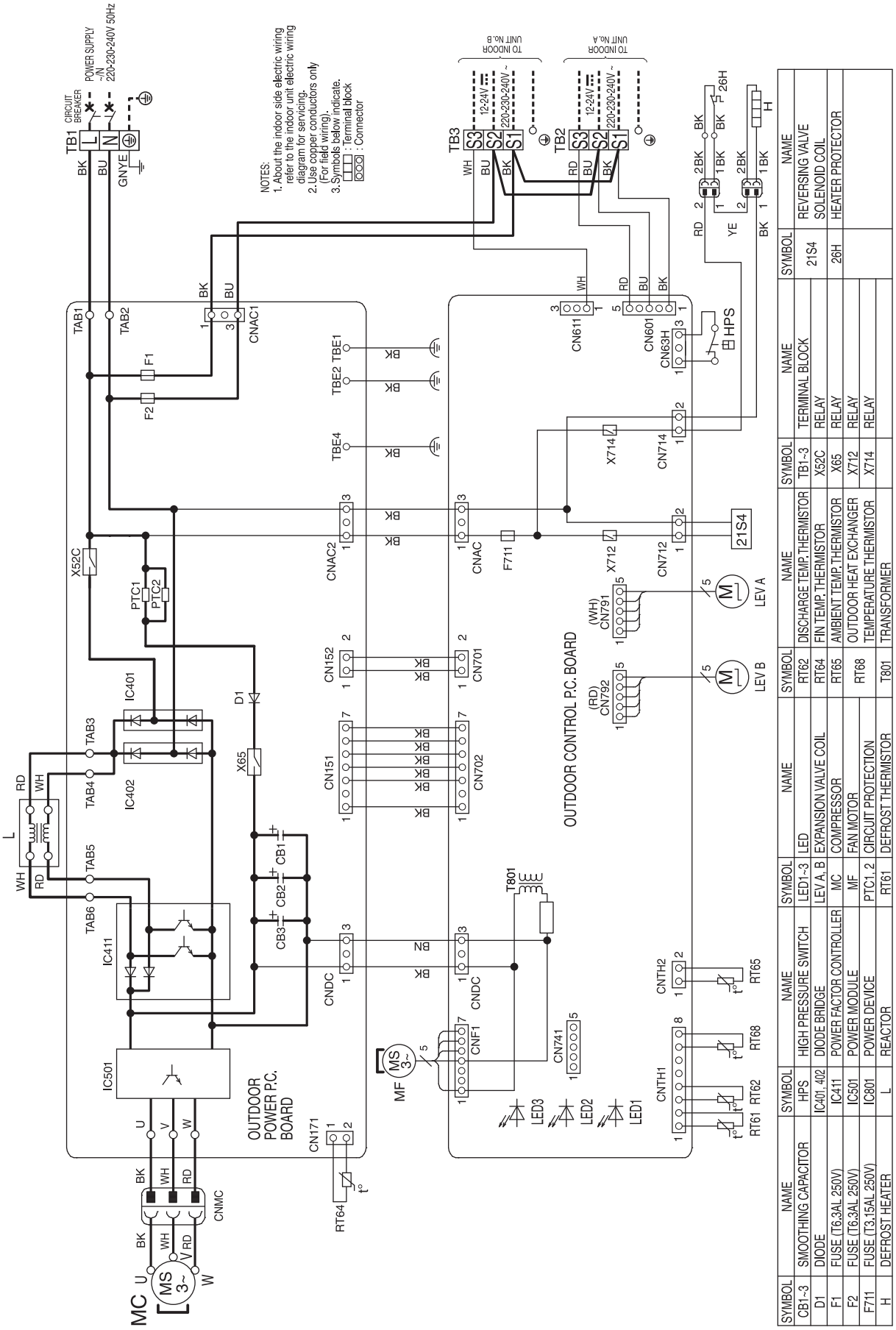
SYMBOL	NAME
ACL, ACL2	REACTOR
C61~63	SMOOTHING CAPACITOR
DB61	DIODE MODULE
F701, 801, 901	FUSE (T3.15AL250V)
F1	FUSE (T3.15AL250V)
H	DEFROST HEATER
IC700, 820, 932	POWER MODULE
IC802	POWER DEVICE

SYMBOL	NAME
LED1, 2	LED
LEV A, B	EXPANSION VALVE COIL
MC	COMPRESSOR
MF	FAN MOTOR
PTC64, 65	CIRCUIT PROTECTOR
RT61	DEFROST THERMISTOR
RT62	DISCHARGE TEMP. THERMISTOR
RT64	FIN TEMP. THERMISTOR

SYMBOL	NAME
RT65	AMBIENT TEMP. THERMISTOR
RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
TB1~3	TERMINAL BLOCK
T801	SWITCHING TRANS
X63, 64, 66	RELAY
21S4	REVERSING VALVE COIL
26H	HEATER PROTECTOR

MXZ-2E53VAHZ

OUTDOOR UNIT

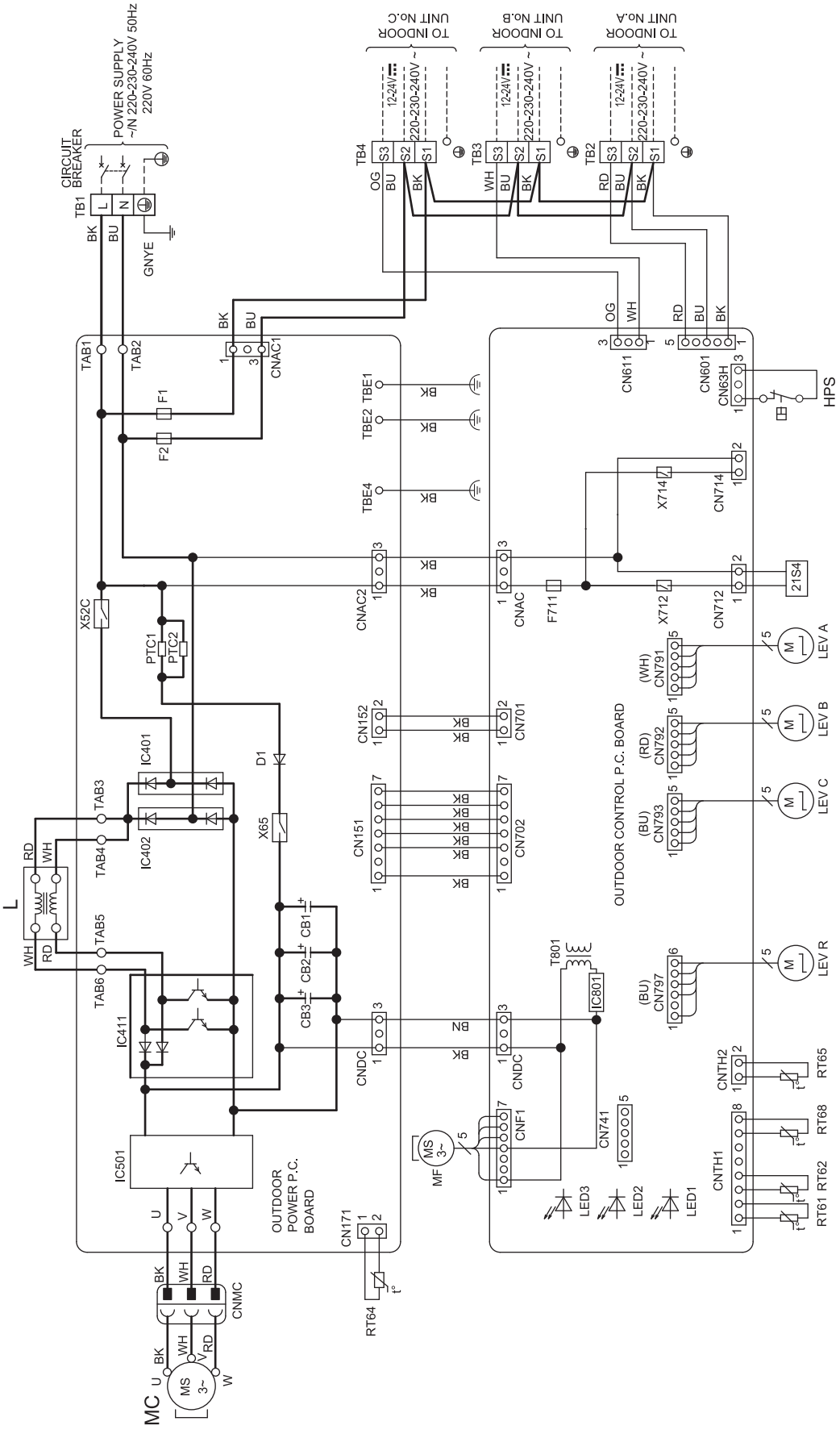


SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	HPS	HIGH PRESSURE SWITCH	LED1~3	LED	RT62	DISCHARGE TEMP. THERMISTOR
D1	DIODE	IC401, 402	DIODE BRIDGE	LEV A, B	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR
F1	FUSE (T6.3AL 250V)	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR
F2	FUSE (T6.3AL 250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER
F711	FUSE (T3.15AL 250V)	IC801	POWER DEVICE	PTC1, 2	CIRCUIT PROTECTION		TEMPERATURE THERMISTOR
H	DEFROST HEATER	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER

SYMBOL	NAME	SYMBOL	NAME
TB1~3	TERMINAL BLOCK	21S4	REVERSING VALVE SOLENOID COIL
X52C	RELAY	26H	HEATER PROTECTOR
X65	RELAY		
X712	RELAY		
X714	RELAY		

MXZ-3E54VA MXZ-3E68VA

OUTDOOR UNIT

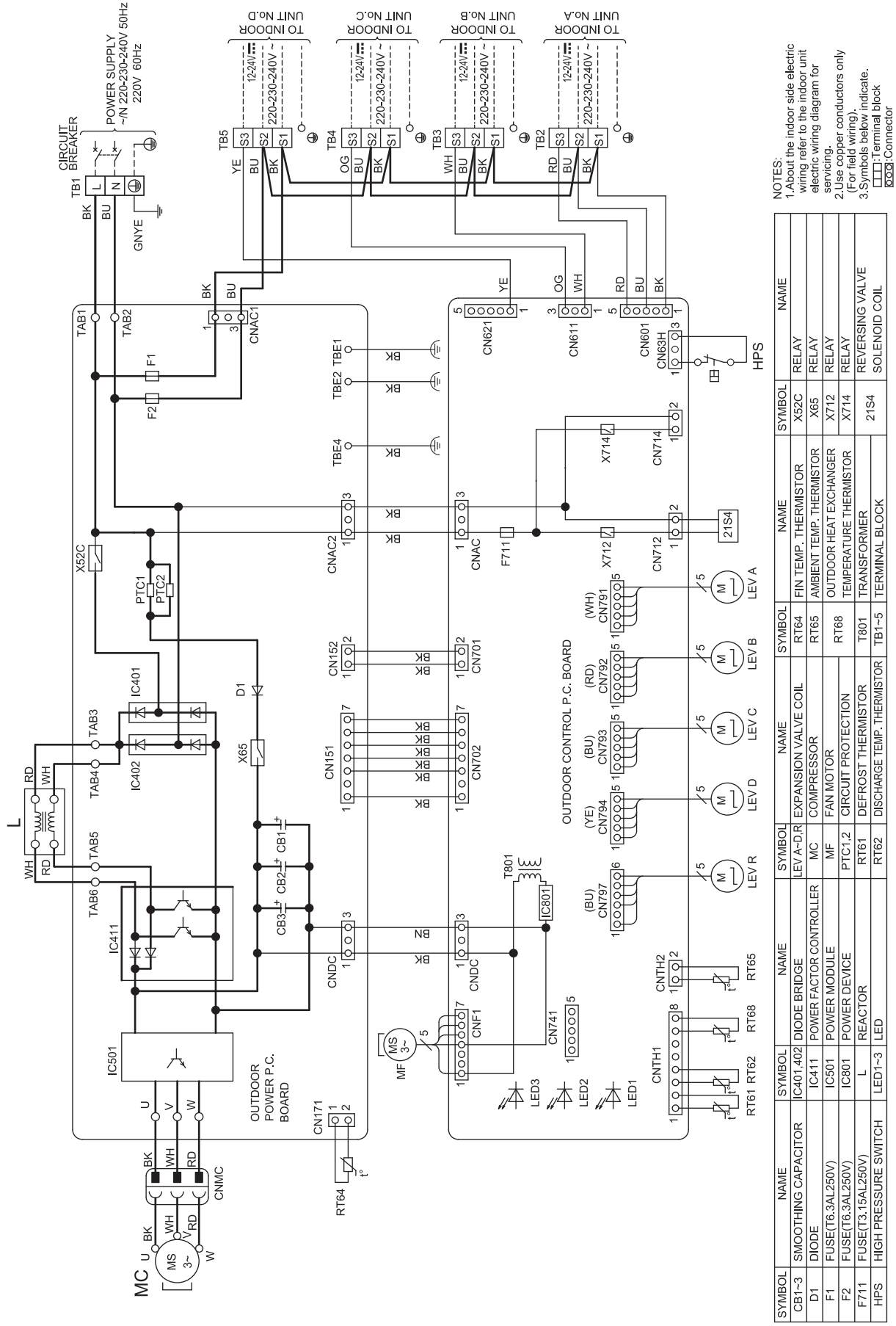


SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC401,402	DIODE BRIDGE	LEV A~C,R	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR
D1	DIODE	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR
F1	FUSE(T6.3AL250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR
F2	FUSE(T6.3AL250V)	IC801	POWER DEVICE	PTC1,2	CIRCUIT PROTECTION	T801	TRANSFORMER
F711	FUSE(T3.15AL250V)	L	REACTOR	RT61	DEFROST THERMISTOR	TB1~4	TERMINAL BLOCK
HPS	HIGH PRESSURE SWITCH	LED1~3	LED	RT62	DISCHARGE TEMP. THERMISTOR		

SYMBOL	NAME
X52C	RELAY
X65	RELAY
X712	RELAY
X714	RELAY
21S4	REVERSING VALVE SOLENOID COIL

MXZ-4E72VA

OUTDOOR UNIT

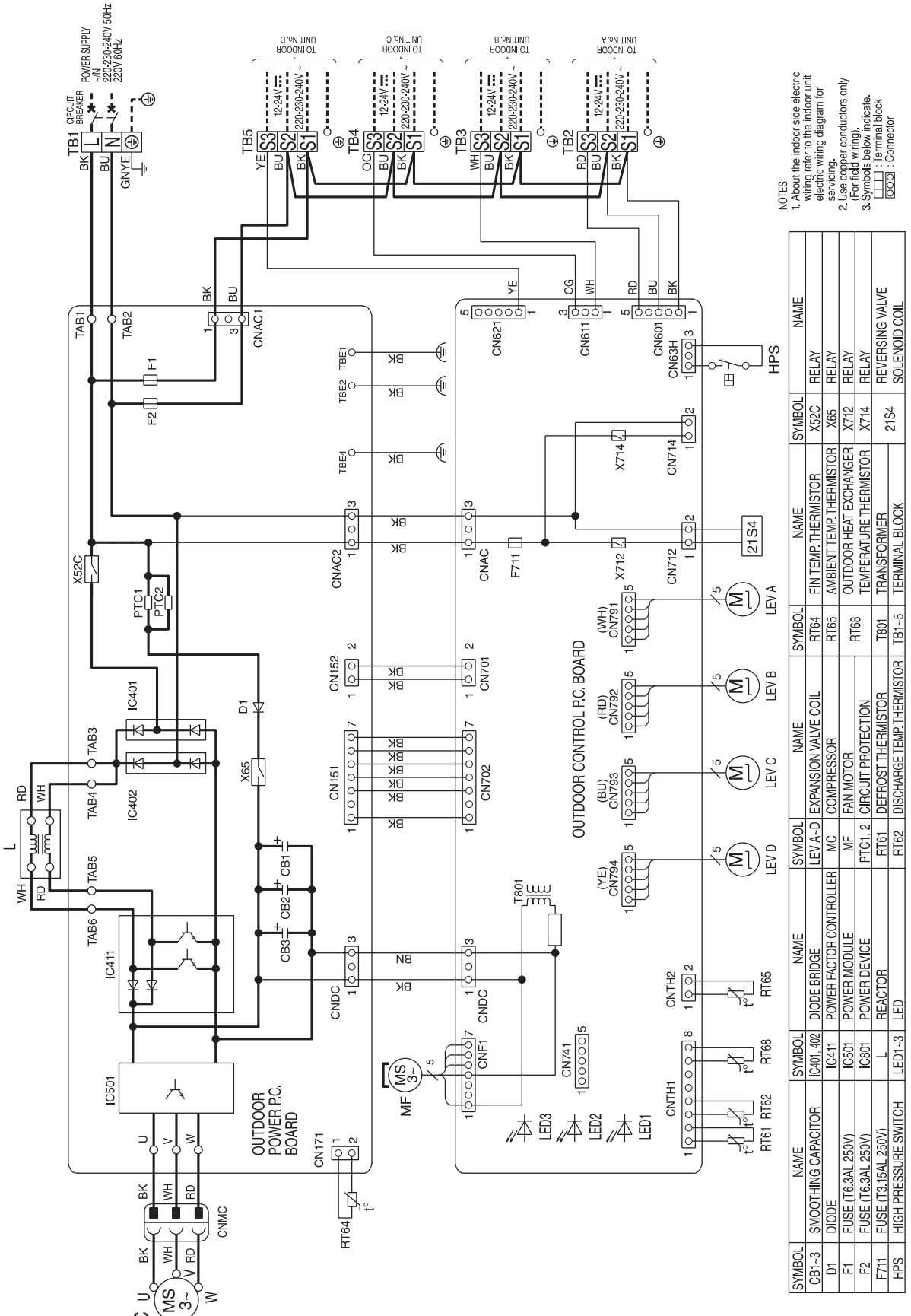


SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC401,402	DIODE BRIDGE	LEV A~D,R	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR
D1	DIODE	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR
F1	FUSE(T6.3AL250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER
F2	FUSE(T6.3AL250V)	IC801	POWER DEVICE	PTC1,2	CIRCUIT PROTECTION		TEMPERATURE THERMISTOR
F711	FUSE(T3.15AL250V)	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
HPS	HIGH PRESSURE SWITCH	LED1~3	LED	RT62	DISCHARGE TEMP. THERMISTOR	TB1~5	TERMINAL BLOCK

SYMBOL	NAME
X52C	RELAY
X65	RELAY
X712	RELAY
X714	RELAY
21S4	REVERSING VALVE SOLENOID COIL

MXZ-4E83VA

OUTDOOR UNIT

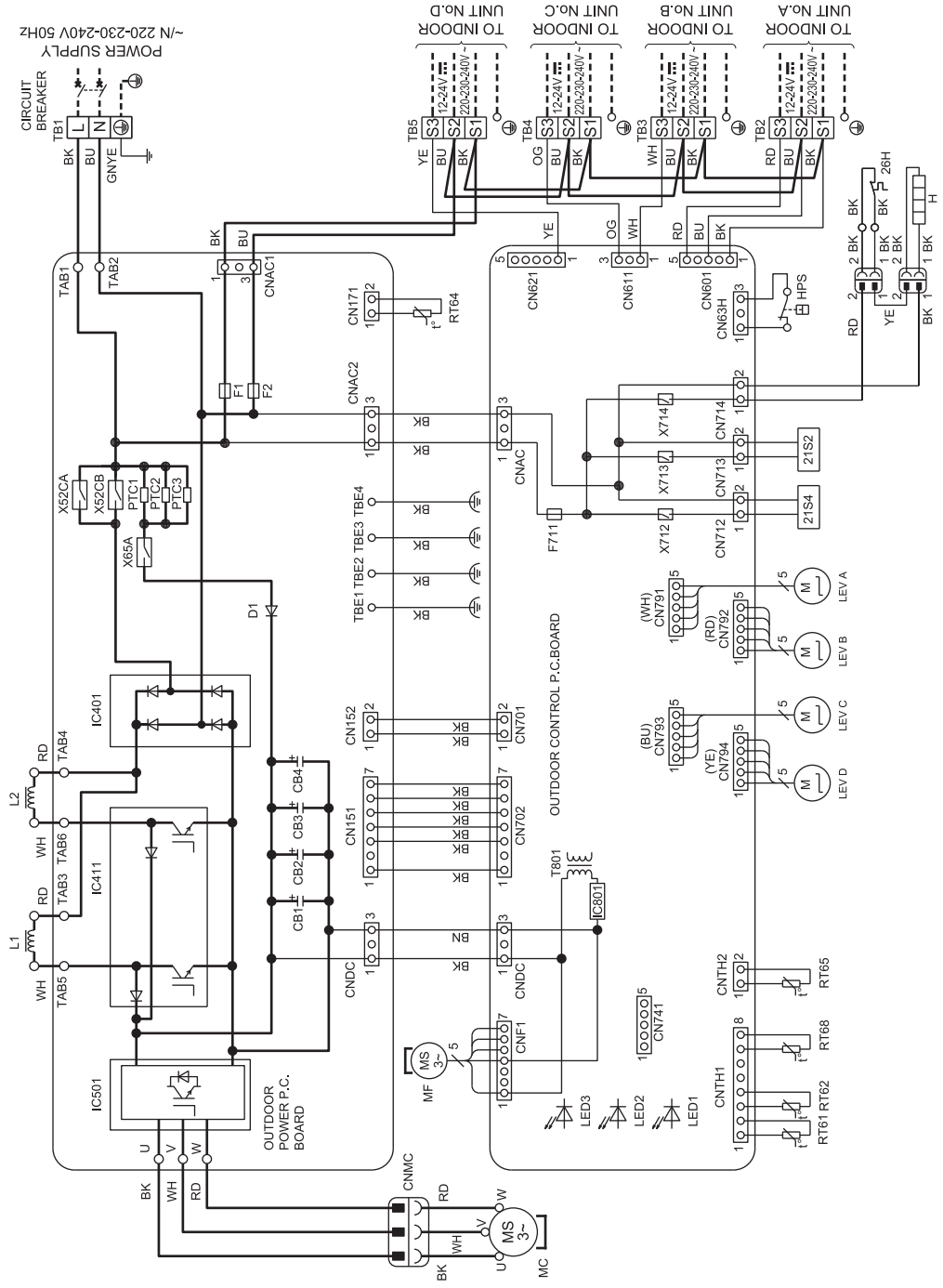


SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC401, 402	DIODE BRIDGE	LEV A~D	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR
D1	DIODE	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR
F1	FUSE (T6.3AL 250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER
F2	FUSE (T6.3AL 250V)	IC801	POWER DEVICE	PTC1, 2	CIRCUIT PROTECTION		TEMPERATURE THERMISTOR
F711	FUSE (T3.15AL 250V)	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
HPS	HIGH PRESSURE SWITCH	LED1~3	LED	RT62	DISCHARGE TEMP. THERMISTOR	TB1~5	TERMINAL BLOCK

SYMBOL	NAME
X52C	RELAY
X65	RELAY
X712	RELAY
X714	RELAY
21S4	REVERSING VALVE SOLENOID COIL

MXZ-4E83VAHZ

OUTDOOR UNIT

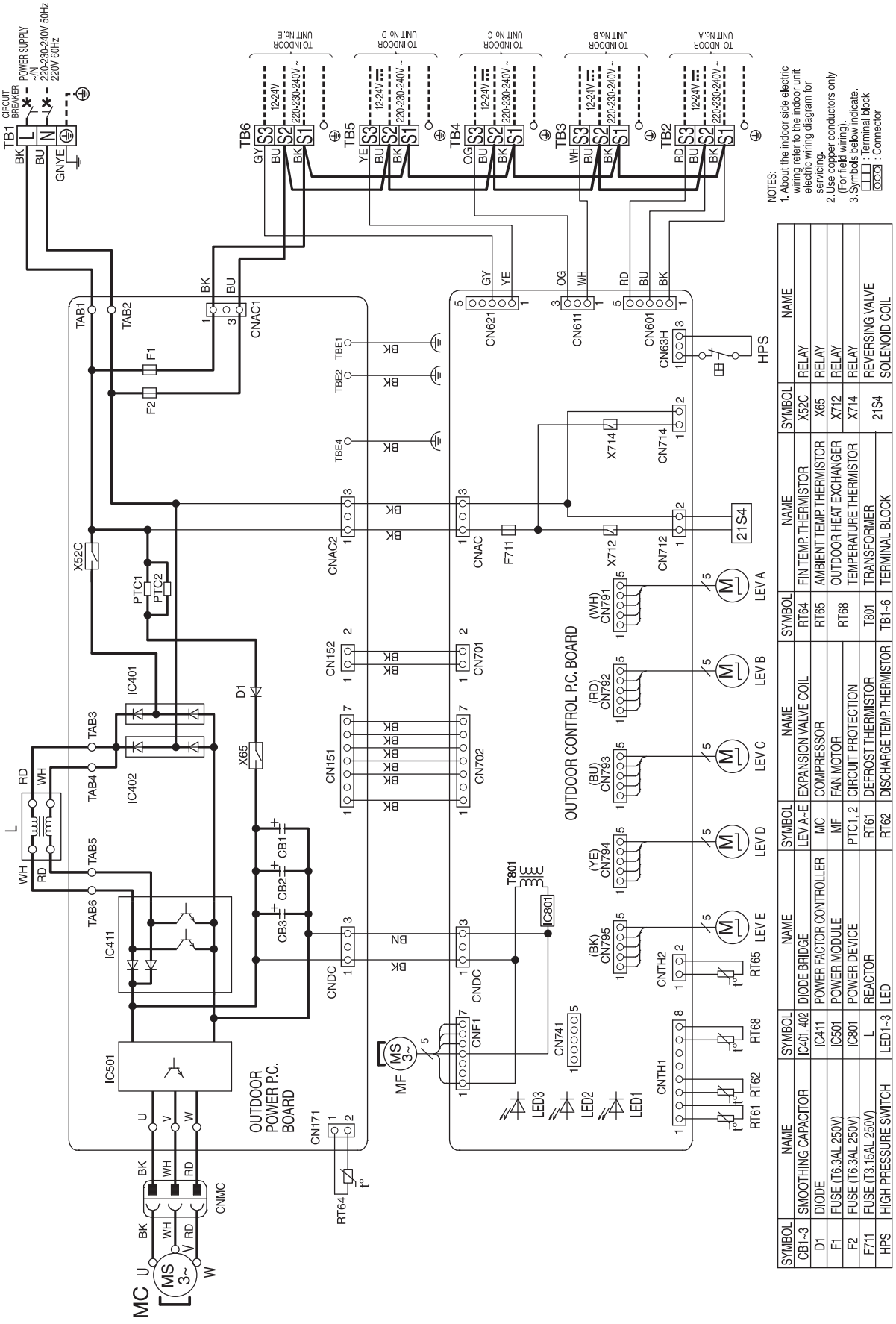


NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
□□□ :Terminal block
⬡⬡⬡ :Connector

SYMBOL	NAME	SYMBOL	NAME
CB1~4	SMOOTHING CAPACITOR	RT61	DEFROST THERMISTOR
D1	DIODE	RT62	DISCHARGE TEMP.THERMISTOR
F1,F2	FUSE(T6.3AL250V)	RT64	FIN TEMP.THERMISTOR
F711	FUSE(T3.15AL250V)	RT65	AMBIENT TEMP.THERMISTOR
H	DEFROST HEATER	RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR
HPS	HIGH PRESSURE SWITCH	T801	TRANSFORMER
IC401	DIODE BRIDGE	TB1~5	TERMINAL BLOCK
IC411	POWER MODULE	X52CA,B	RELAY
IC501	POWER MODULE	X65A	RELAY
IC801	POWER DEVICE	X712	RELAY
L1,L2	REACTOR	X713	RELAY
LED1~3	LED	X714	RELAY
LEV A~D	EXPANSION VALVE COIL	21S2	2WAY VALVE SOLENOID COIL
MC	COMPRESSOR	21S4	REVERSING VALVE SOLENOID COIL
MF	FAN MOTOR	26H	HEATER PROTECTOR
PTC1~3	CIRCUIT PROTECTION		

MXZ-5E102VA

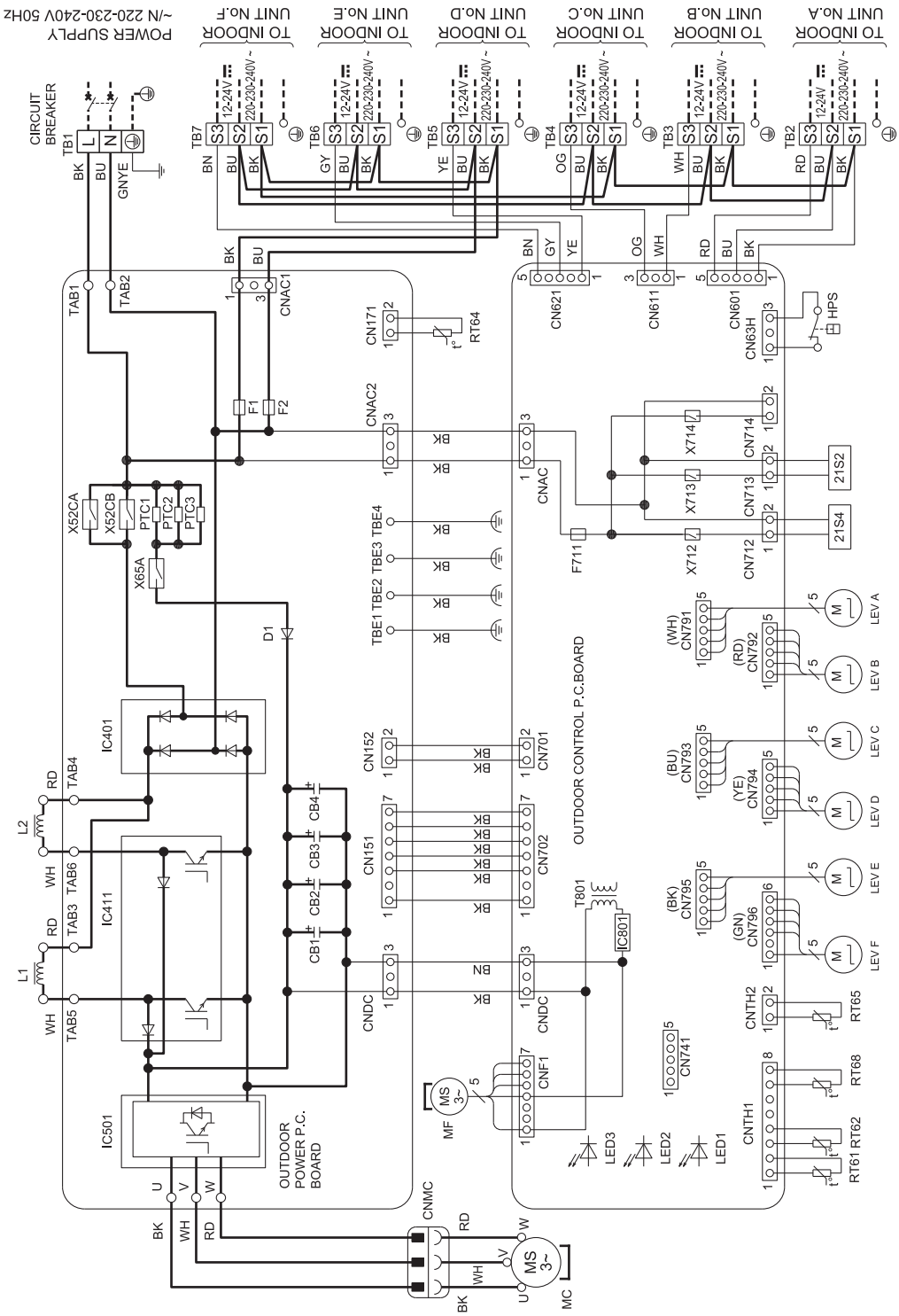
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC401 402	DIODE BRIDGE	LEV A-E	EXPANSION VALVE COIL	RT64	FIN TEMP.THERMISTOR
D1	DIODE	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP.THERMISTOR
F1	FUSE (T6.3AL 250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR
F2	FUSE (T6.3AL 250V)	IC801	POWER DEVICE	PTC1, 2	CIRCUIT PROTECTION	X52C	RELAY
F711	FUSE (T3.15AL 250V)	L	REACTOR	RT61	DEFROST THERMISTOR	X65	RELAY
HPS	HIGH PRESSURE SWITCH	LED1~3	LED	RT62	DISCHARGE TEMP.THERMISTOR	X712	RELAY
						X714	RELAY
						21S4	REVERSING VALVE SOLENOID COIL
				T801	TRANSFORMER		
				TB1~6	TERMINAL BLOCK		

MXZ-6D122VA2

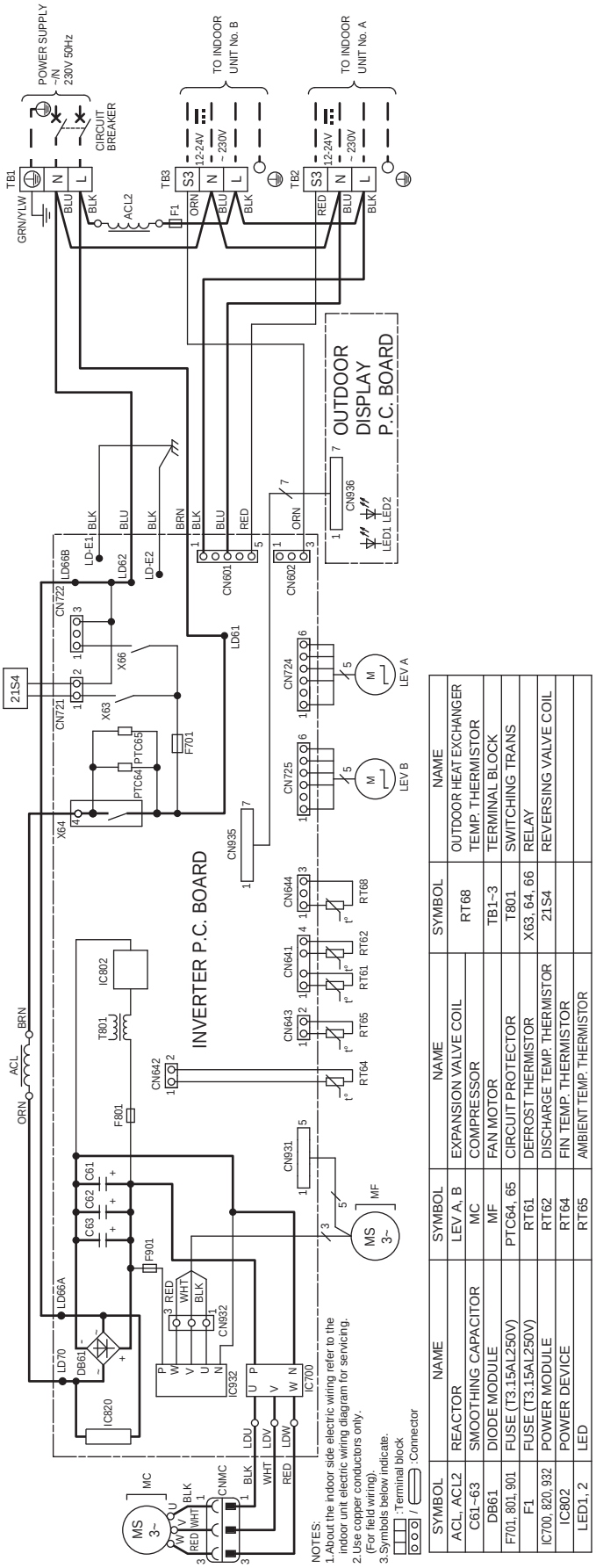
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME
CB1~4	SMOOTHING CAPACITOR	RT61	DEFROST THERMISTOR
D1	DIODE	RT62	DISCHARGE TEMP.THERMISTOR
F1,F2	FUSE(T6.3AL250V)	RT64	FIN TEMP.THERMISTOR
F711	FUSE(T3.15AL250V)	RT65	AMBIENT TEMP.THERMISTOR
HPS	HIGH PRESSURE SWITCH	RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR
IC401	DIODE BRIDGE		
IC411	POWER MODULE	T801	TRANSFORMER
IC501	POWER MODULE	TB1~7	TERMINAL BLOCK
IC801	POWER DEVICE	X52CA,B	RELAY
L1,L2	REACTOR	X65A	RELAY
LED1~3	LED	X712	RELAY
LEV A~F	EXPANSION VALVE COIL	X713	RELAY
MC	COMPRESSOR	X714	RELAY
MF	FAN MOTOR	21S2	2WAY VALVE SOLENOID COIL
PTC1~3	CIRCUIT PROTECTION	21S4	REVERSING VALVE SOLENOID COIL

MXZ-2DM40VA

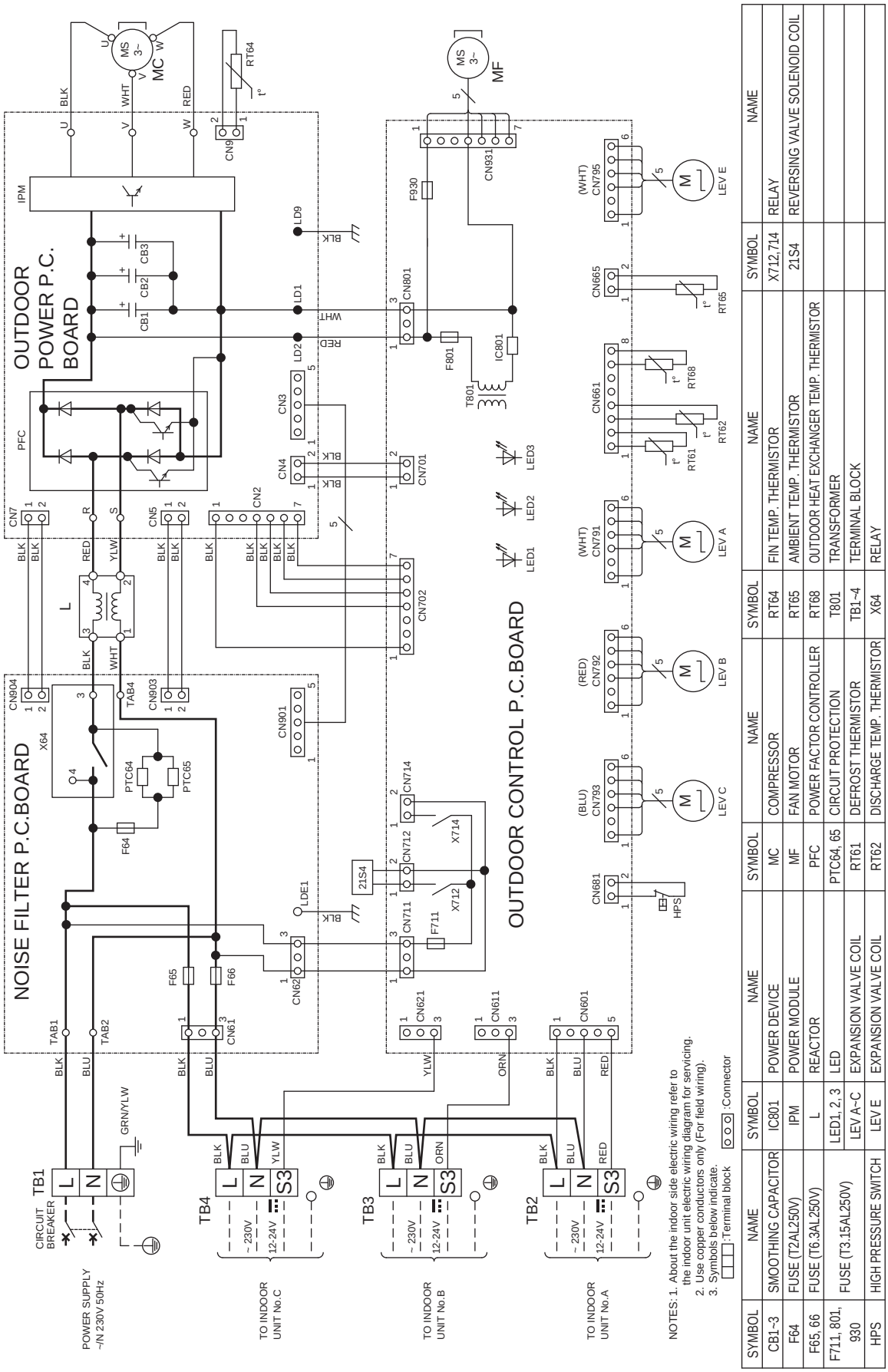
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
ACL, ACL2	REACTOR	LEV A, B	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER
C61~63	SMOOTHING CAPACITOR	MC	COMPRESSOR		TEMP. THERMISTOR
DB61	DIODE MODULE	MF	FAN MOTOR	TB1~3	TERMINAL BLOCK
F701, 801, 901	FUSE (T3.15AL250V)	PTC64, 65	CIRCUIT PROTECTOR	T801	SWITCHING TRANS
F1	FUSE (T3.15AL250V)	RT61	DEFROST THERMISTOR	X63, 64, 66	RELAY
IC700, 820, 932	POWER MODULE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT64	FIN TEMP. THERMISTOR		
LED1, 2	LED	RT65	AMBIENT TEMP. THERMISTOR		

MXZ-3DM50VA

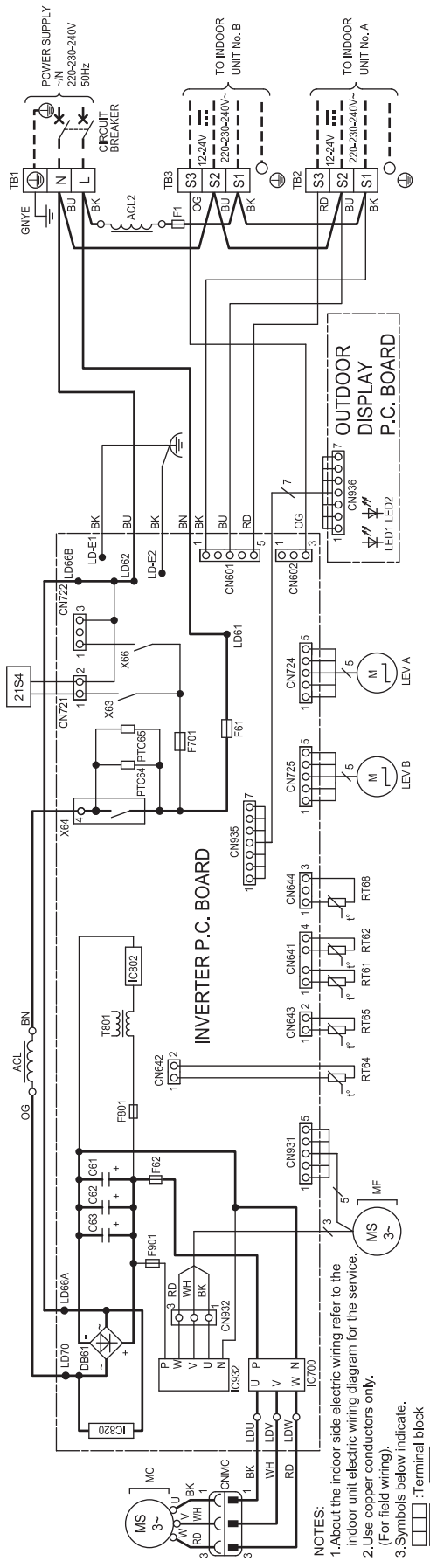
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC801	POWER DEVICE	MC	COMPRESSOR	RT64	FIN TEMP. THERMISTOR	X712,714	RELAY
F64	FUSE (T2AL250V)	IPM	POWER MODULE	MF	FAN MOTOR	RT65	AMBIENT TEMP. THERMISTOR	21S4	REVERSING VALVE SOLENOID COIL
F65, 66	FUSE (T6.3AL250V)	L	REACTOR	PFC	POWER FACTOR CONTROLLER	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR		
F711, 801, 930	FUSE (T3.15AL250V)	LED1, 2, 3	LED	PTC64, 65	CIRCUIT PROTECTION	T801	TRANSFORMER		
		LEV A~C	EXPANSION VALVE COIL	RT61	DEFROST THERMISTOR	TB1~4	TERMINAL BLOCK		
HPS	HIGH PRESSURE SWITCH	LEV E	EXPANSION VALVE COIL	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY		

MXZ-2HA40VF MXZ-2HA50VF

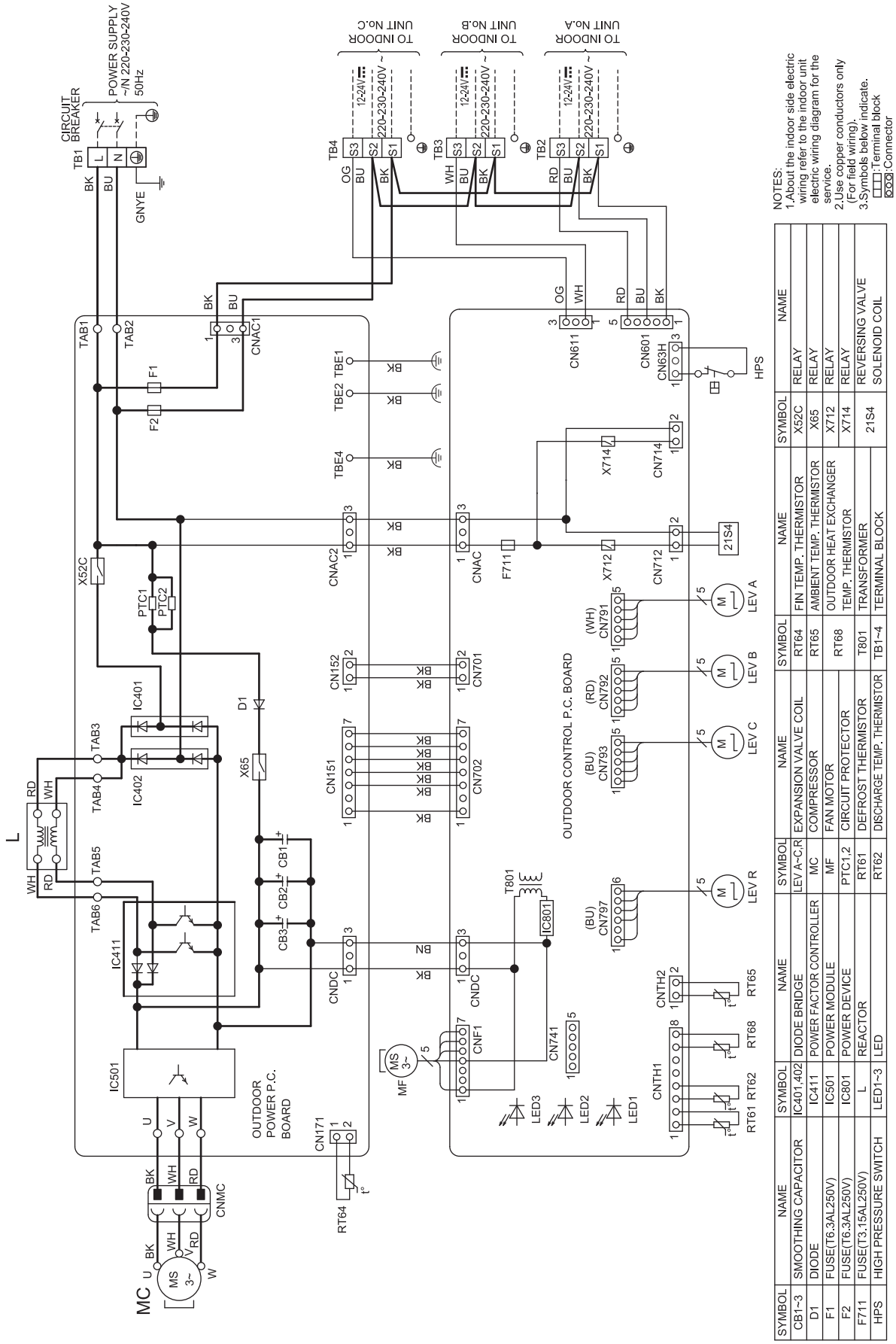
OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
ACL, ACL2	REACTOR	IC802	POWER DEVICE	RT64	FIN TEMP. THERMISTOR
C61~63	SMOOTHING CAPACITOR	LED1, 2	LED	RT65	AMBIENT TEMP. THERMISTOR
DB61	DIODE MODULE	LEV A, B	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F701, 801, 901	FUSE (T3.15AL250V)	MC	COMPRESSOR	TB1~3	TERMINAL BLOCK
F1	FUSE (T3.15AL250V)	MF	FAN MOTOR	T801	TRANSFORMER
F61	FUSE (25A 250V)	PTC64, 65	CIRCUIT PROTECTOR	X63, 64, 66	RELAY
F62	FUSE (15A 250V)	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC700, 820, 932	POWER MODULE	RT62	DISCHARGE TEMP. THERMISTOR		

MXZ-3HA50VF

OUTDOOR UNIT



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC401,402	DIODE BRIDGE	LEV A~C,R	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR
D1	DIODE	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR
F1	FUSE(T6.3AL250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F2	FUSE(T6.3AL250V)	IC801	POWER DEVICE	PTC1,2	CIRCUIT PROTECTOR		
F711	FUSE(T3.15AL250V)	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
HPS	HIGH PRESSURE SWITCH	LED1~3	LED	RT62	DISCHARGE TEMP. THERMISTOR	TB1~4	TERMINAL BLOCK

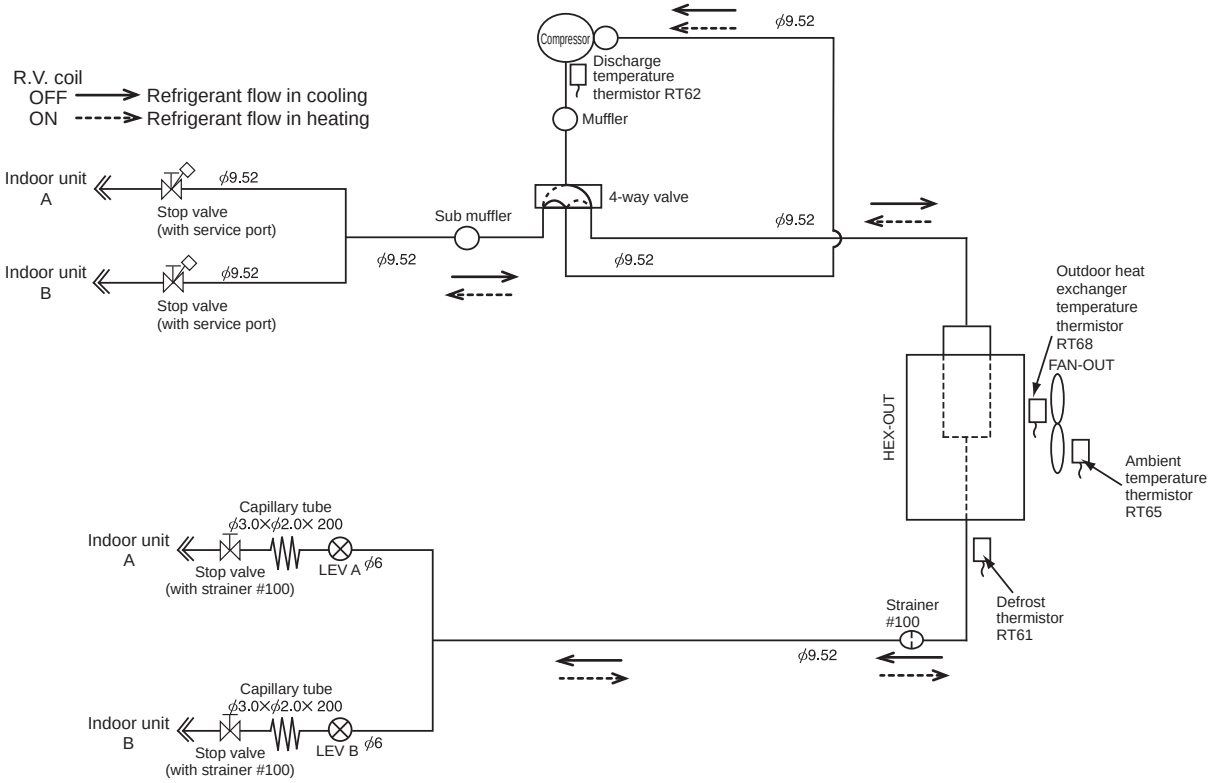
SYMBOL	NAME
X52C	RELAY
X65	RELAY
X712	RELAY
X714	RELAY
21S4	REVERSING VALVE SOLENOID COIL

C.4.4 REFRIGERANT SYSTEM DIAGRAM

C.4.4.1 Inverter Heat Pump

MXZ-2F33VF3

Unit: mm



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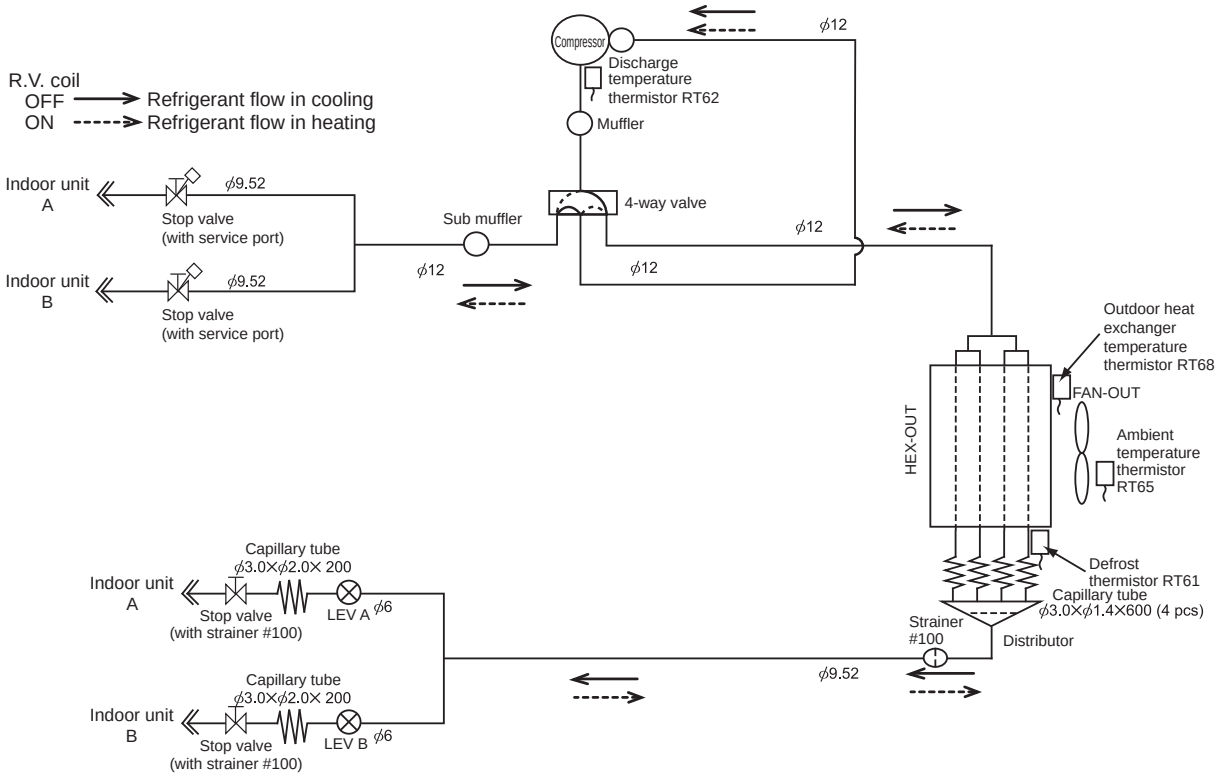

MXZ-3F54VF3 MXZ-3F68VF3 MXZ-3HA50VF

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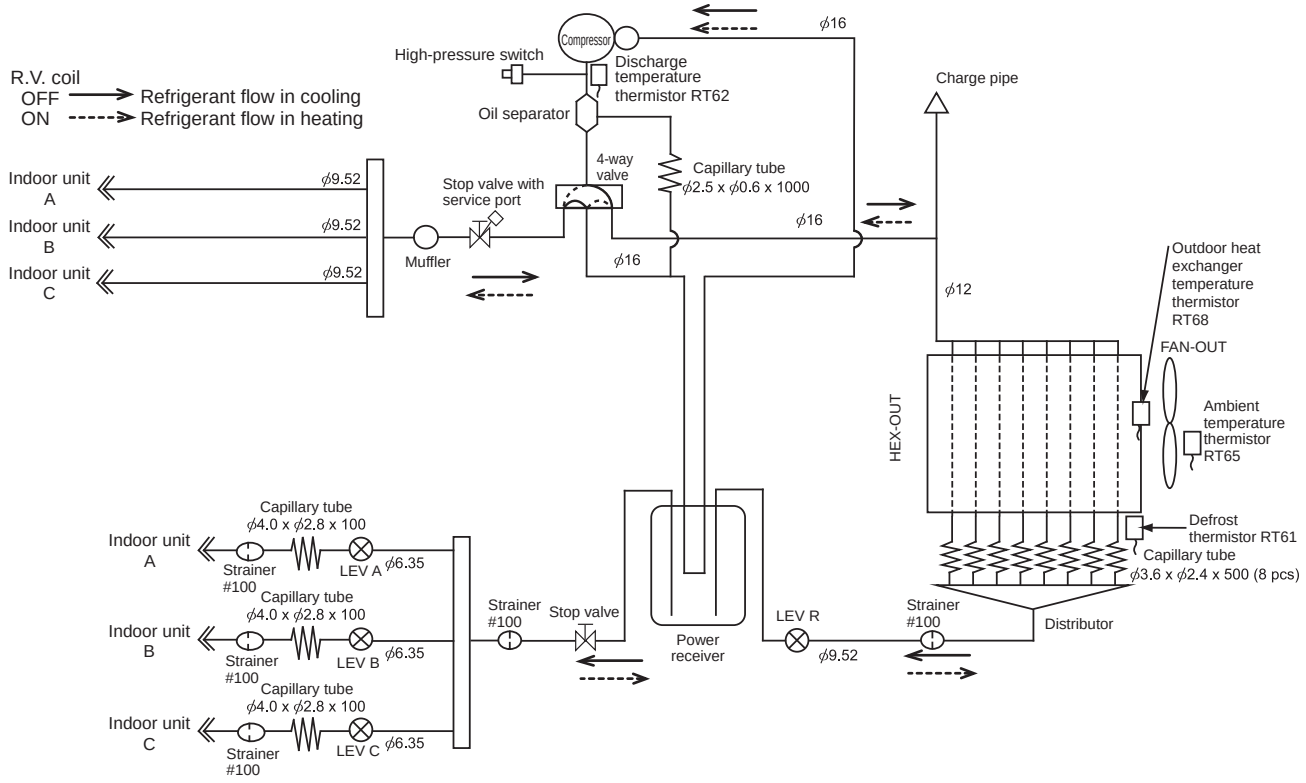

MXZ-4F72VF3 MXZ-4F80VF3

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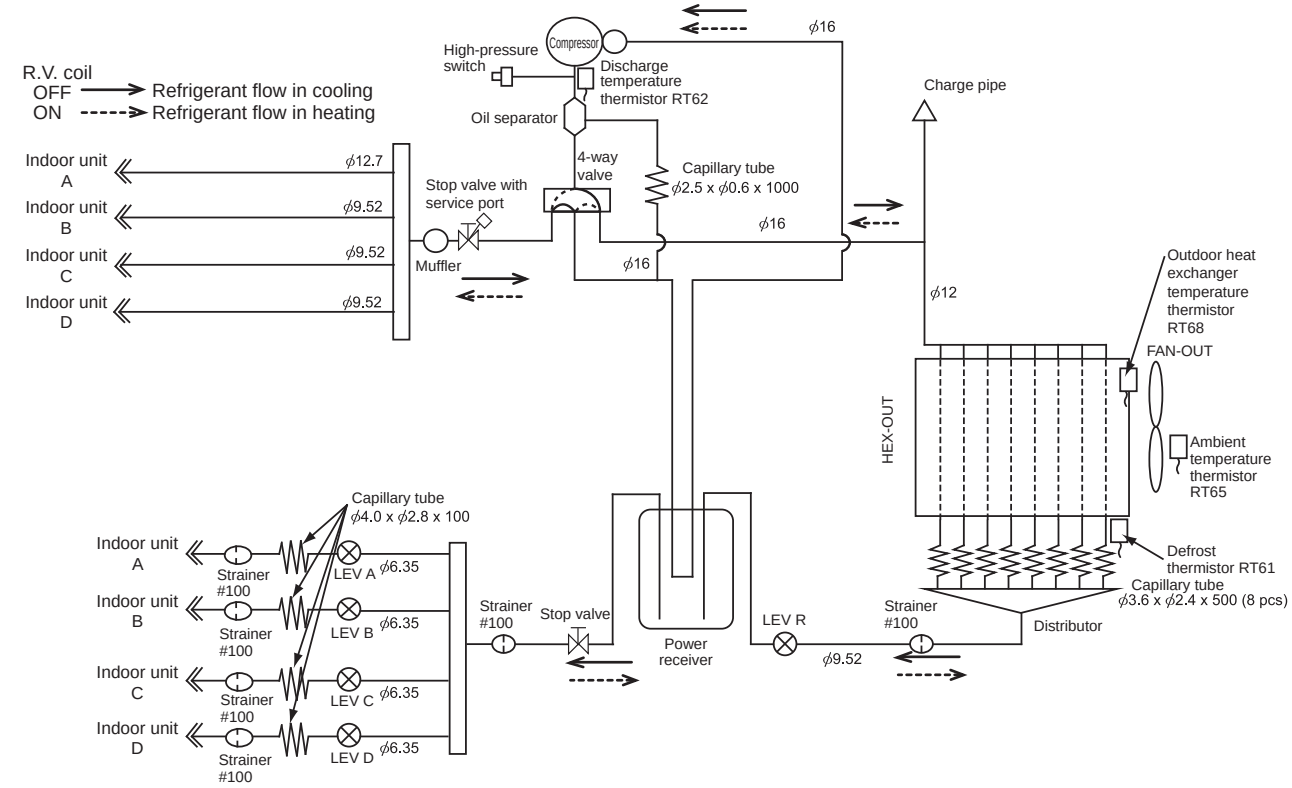

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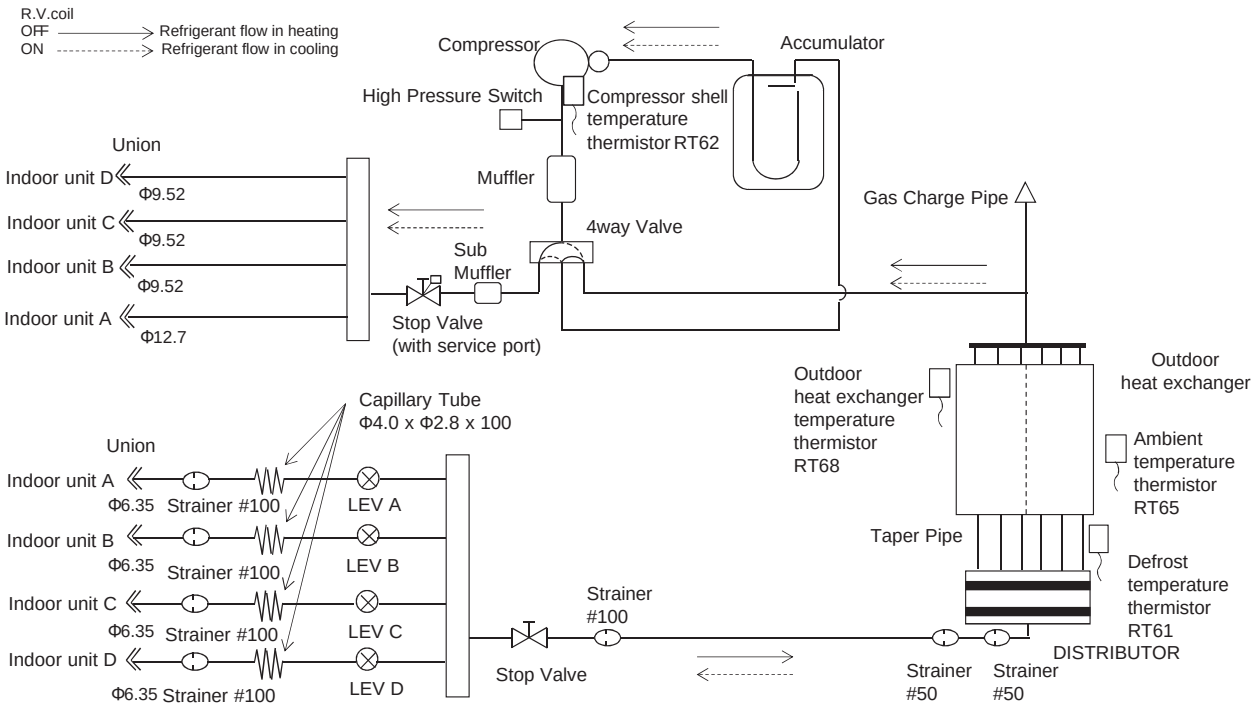

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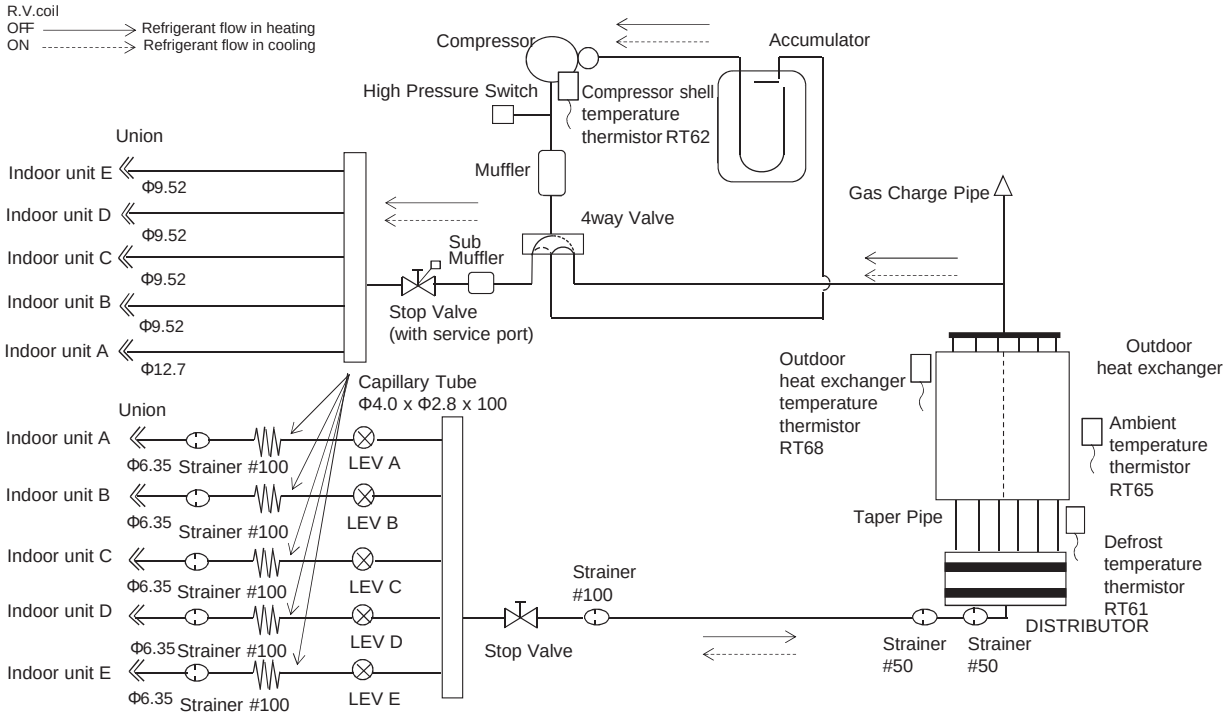

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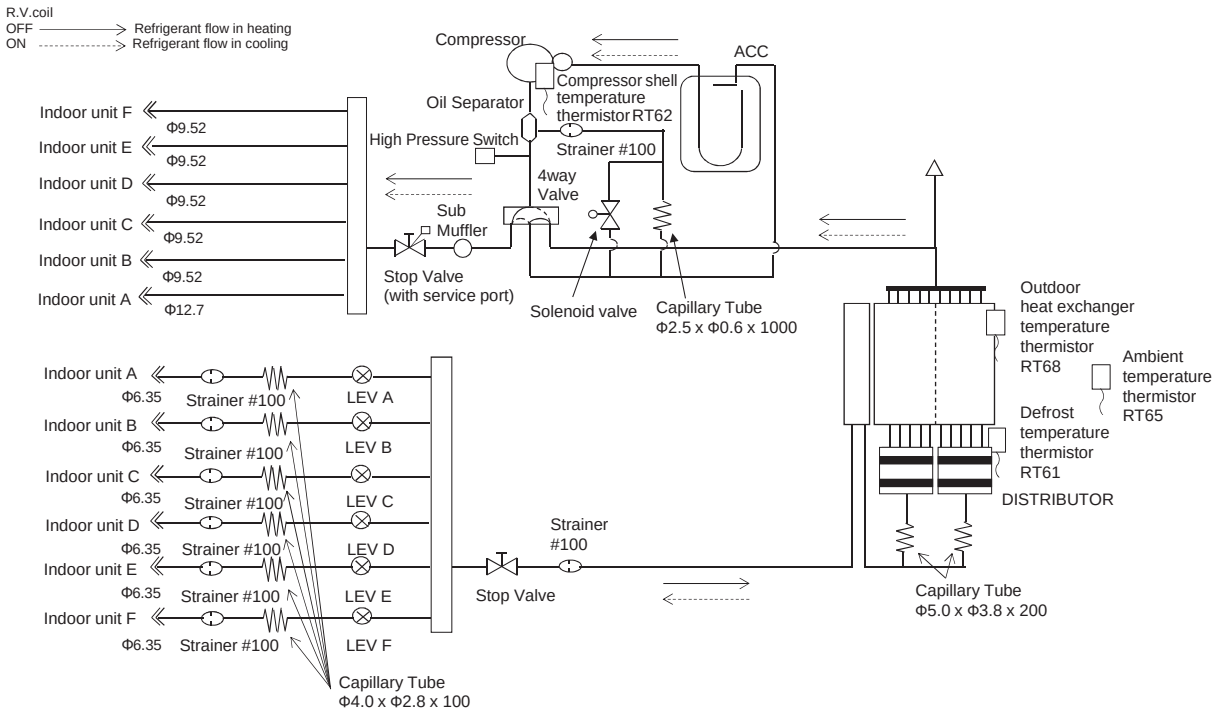

MXZ-2F53VFHZ

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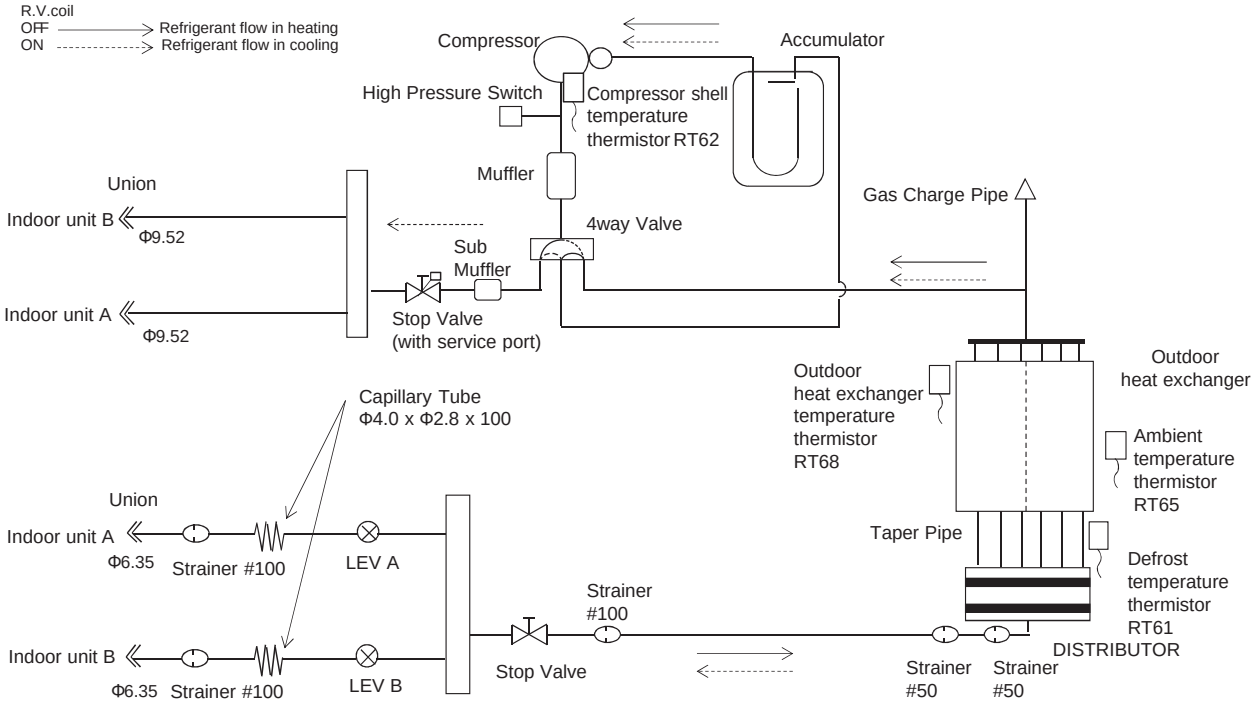

MXZ-4F83VFHZ

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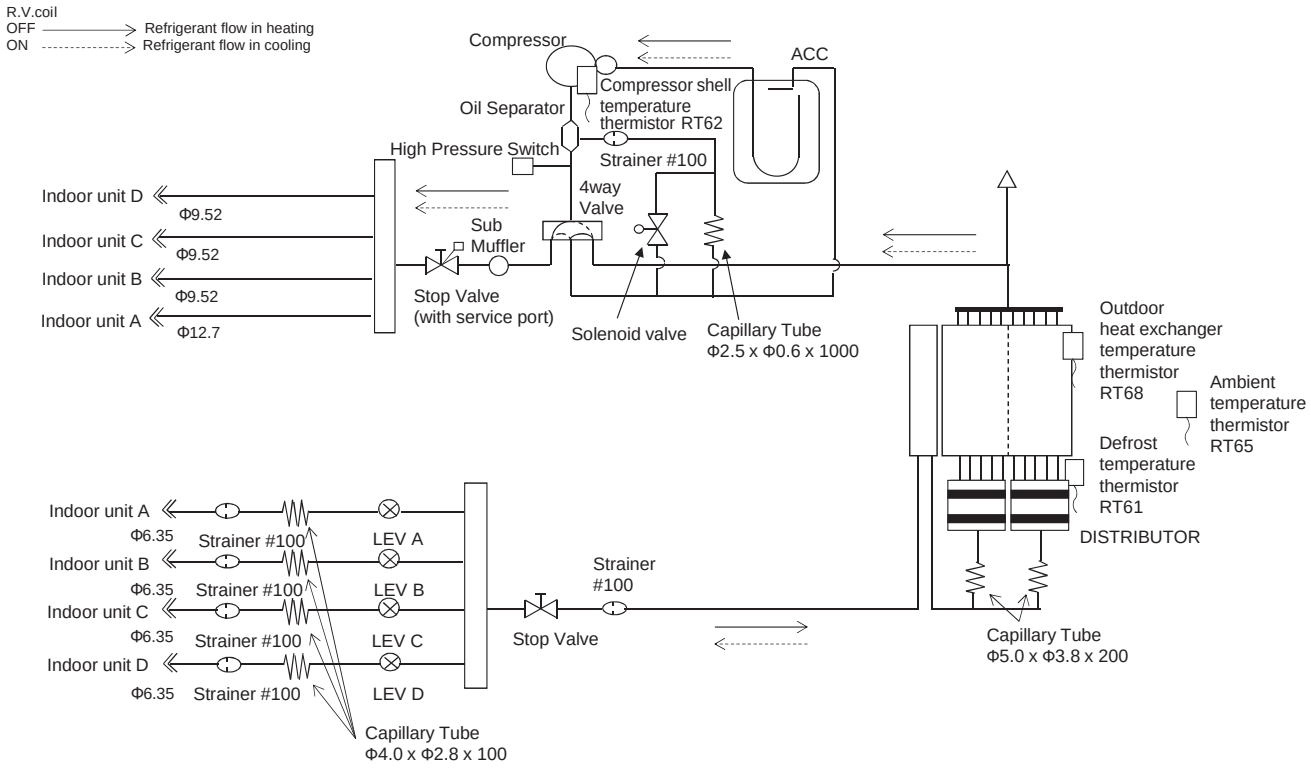

MXZ-2D33VA

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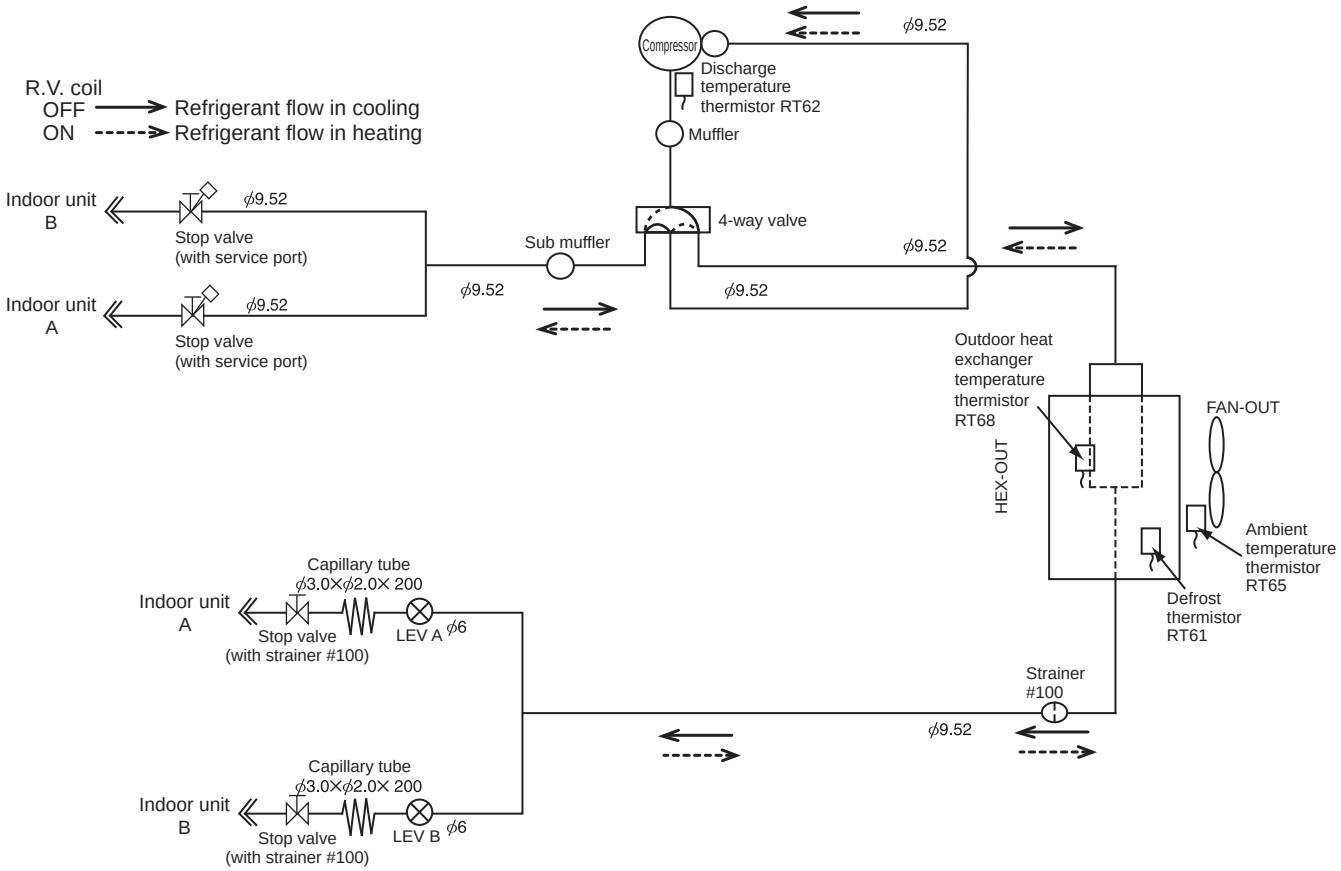

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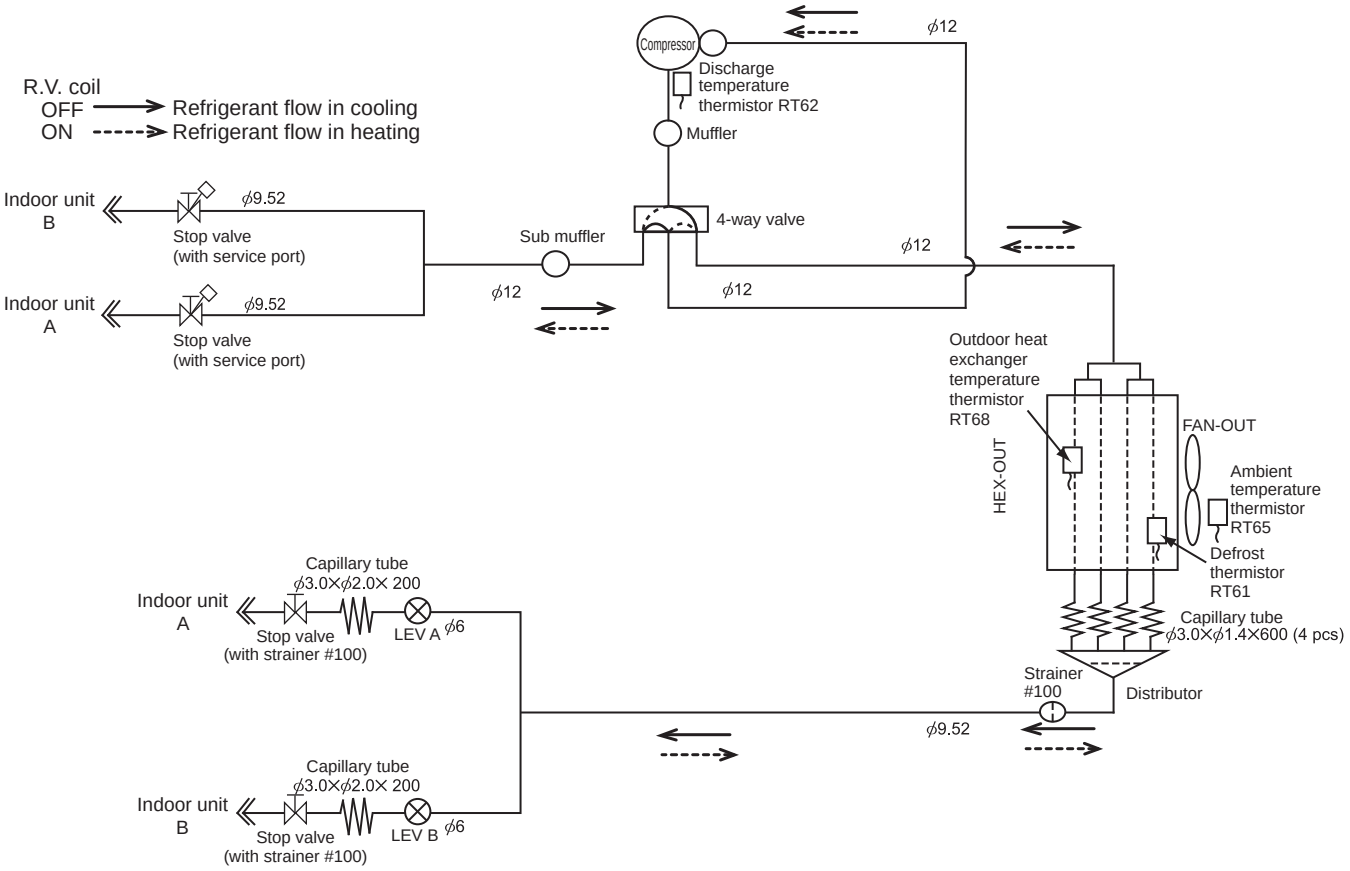

MXZ-2E53VAHZ

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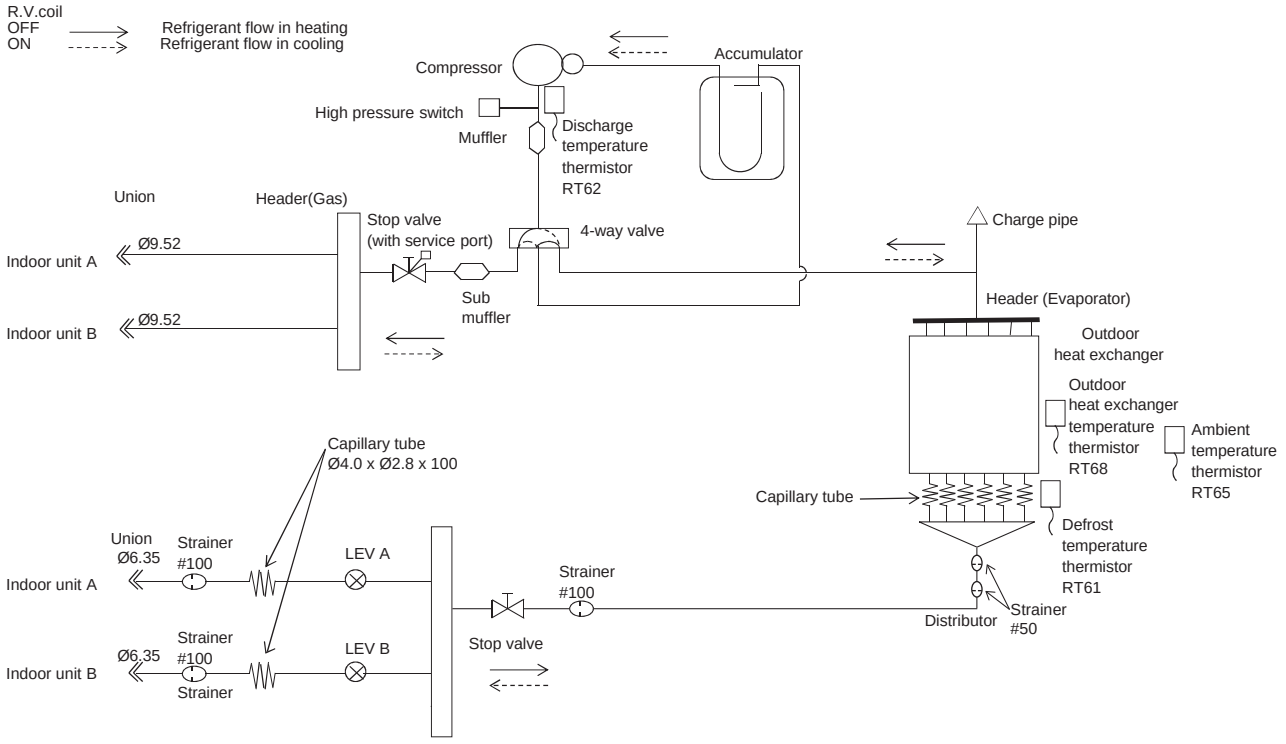

MXZ-3E54VA MXZ-3E68VA

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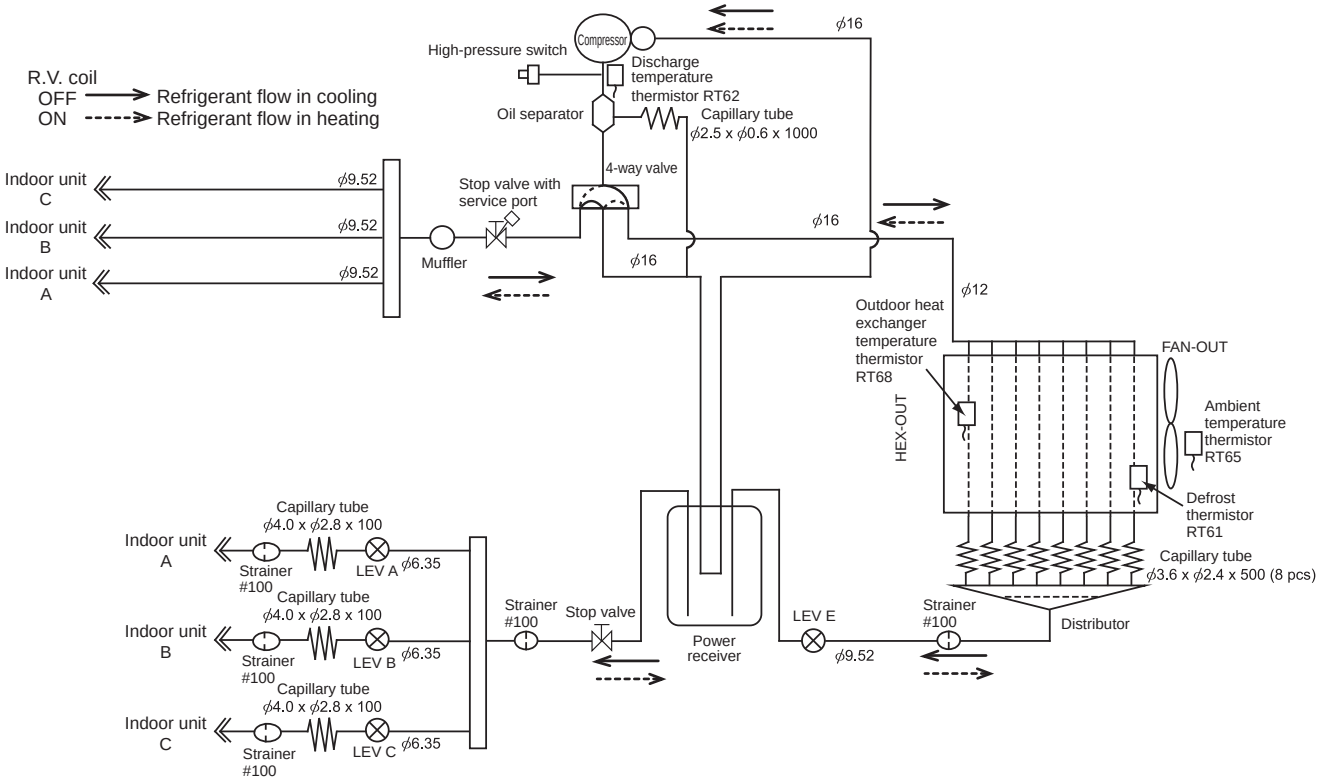

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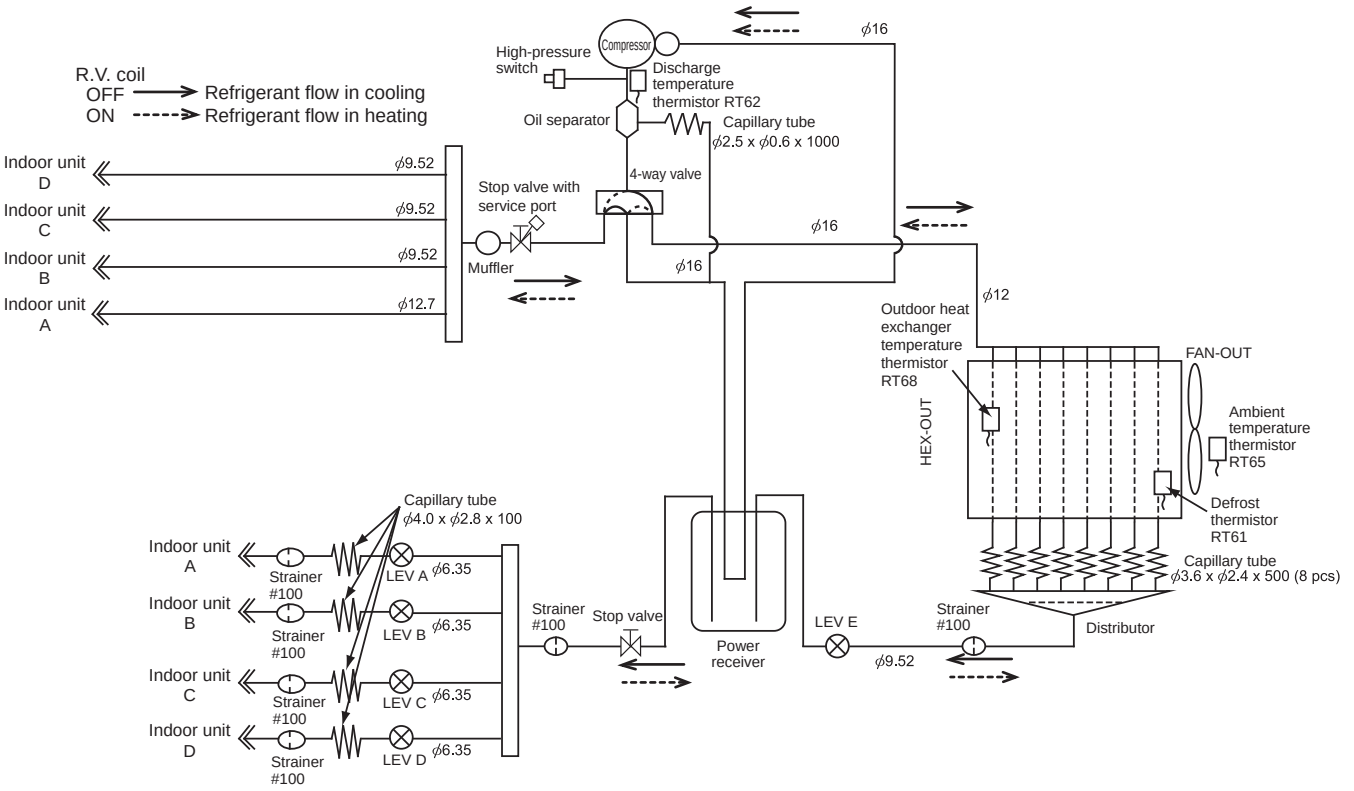

MXZ-4E83VA

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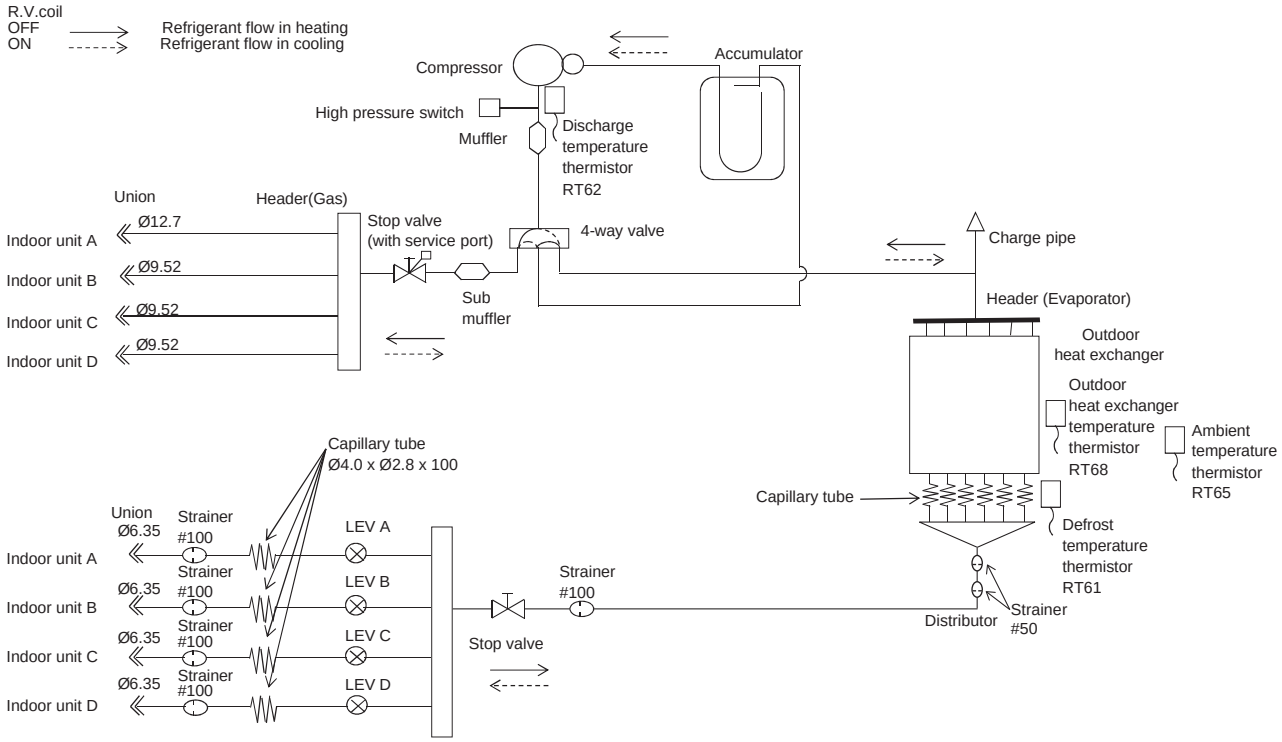

MXZ-4E83VAHZ

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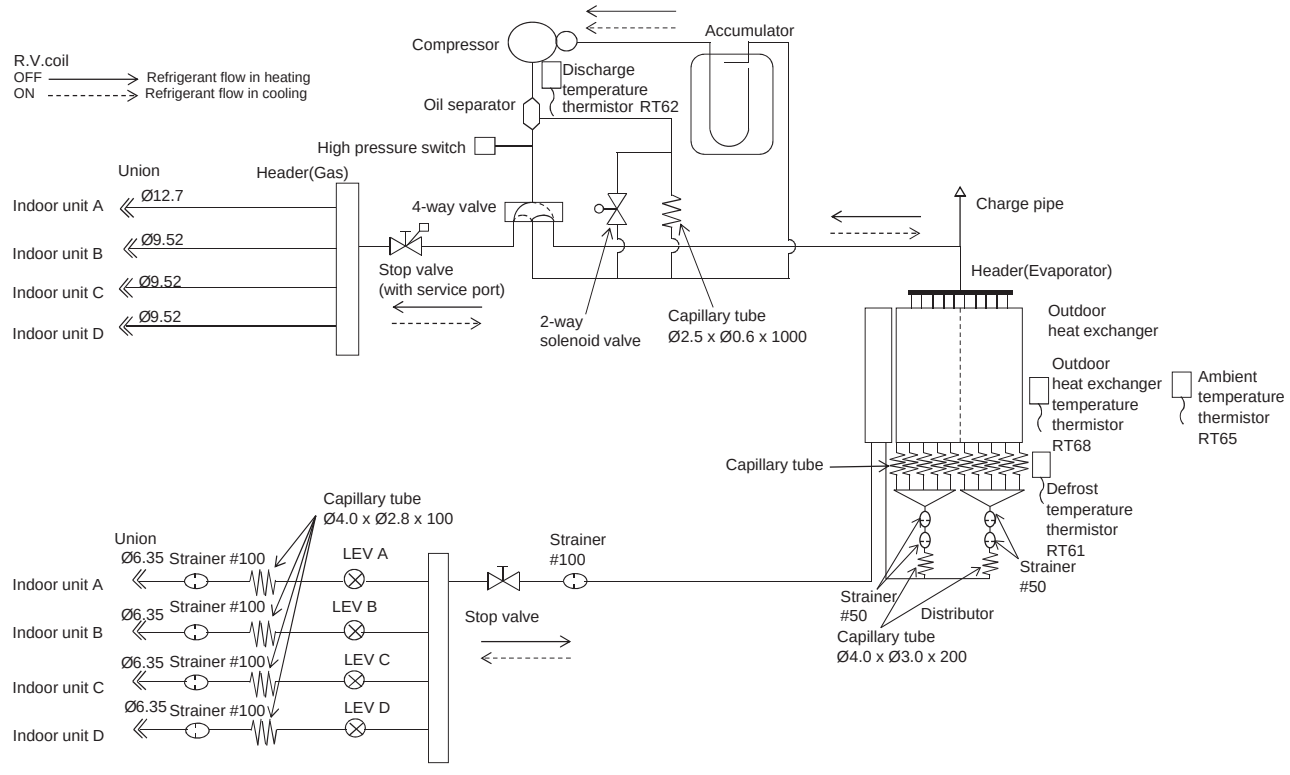

MXZ-5E102VA

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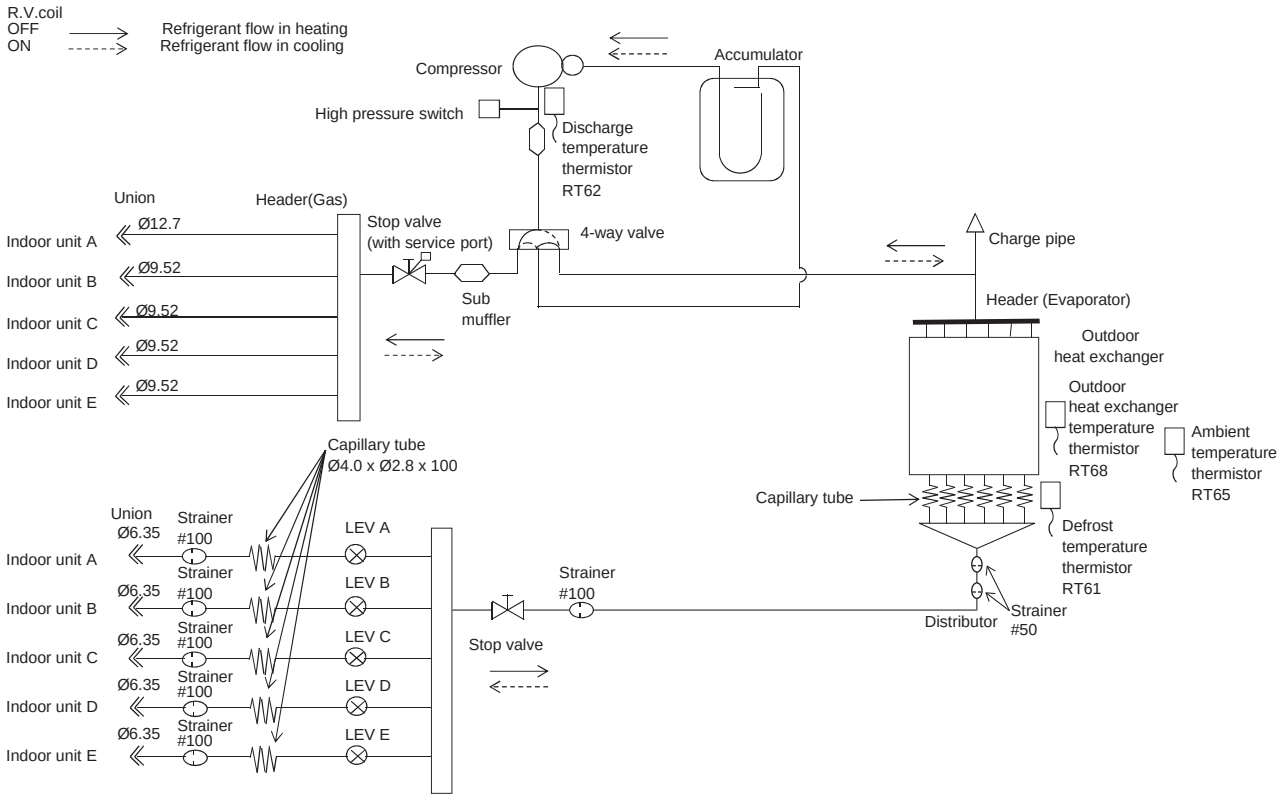

MXZ-6D122VA2

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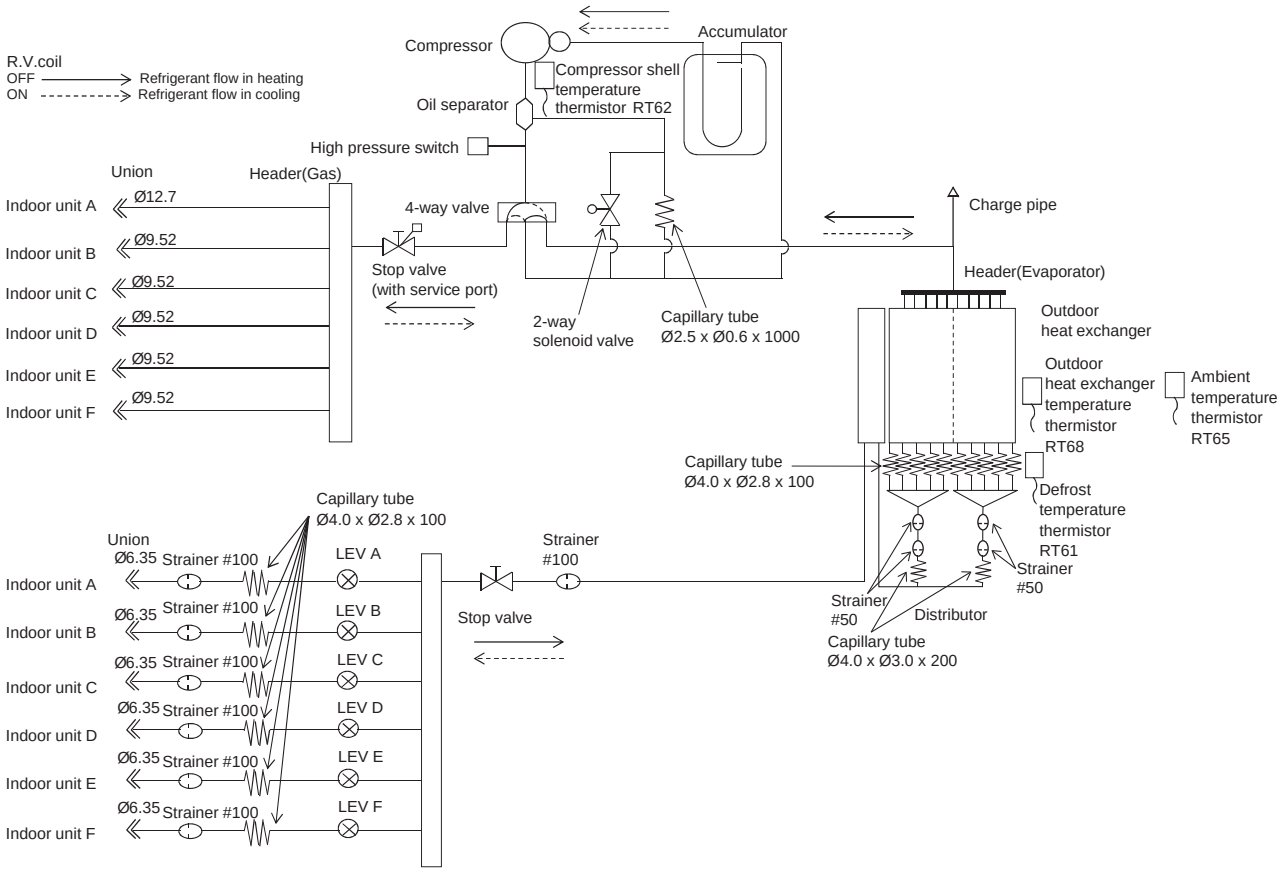

MXZ-2DM40VA

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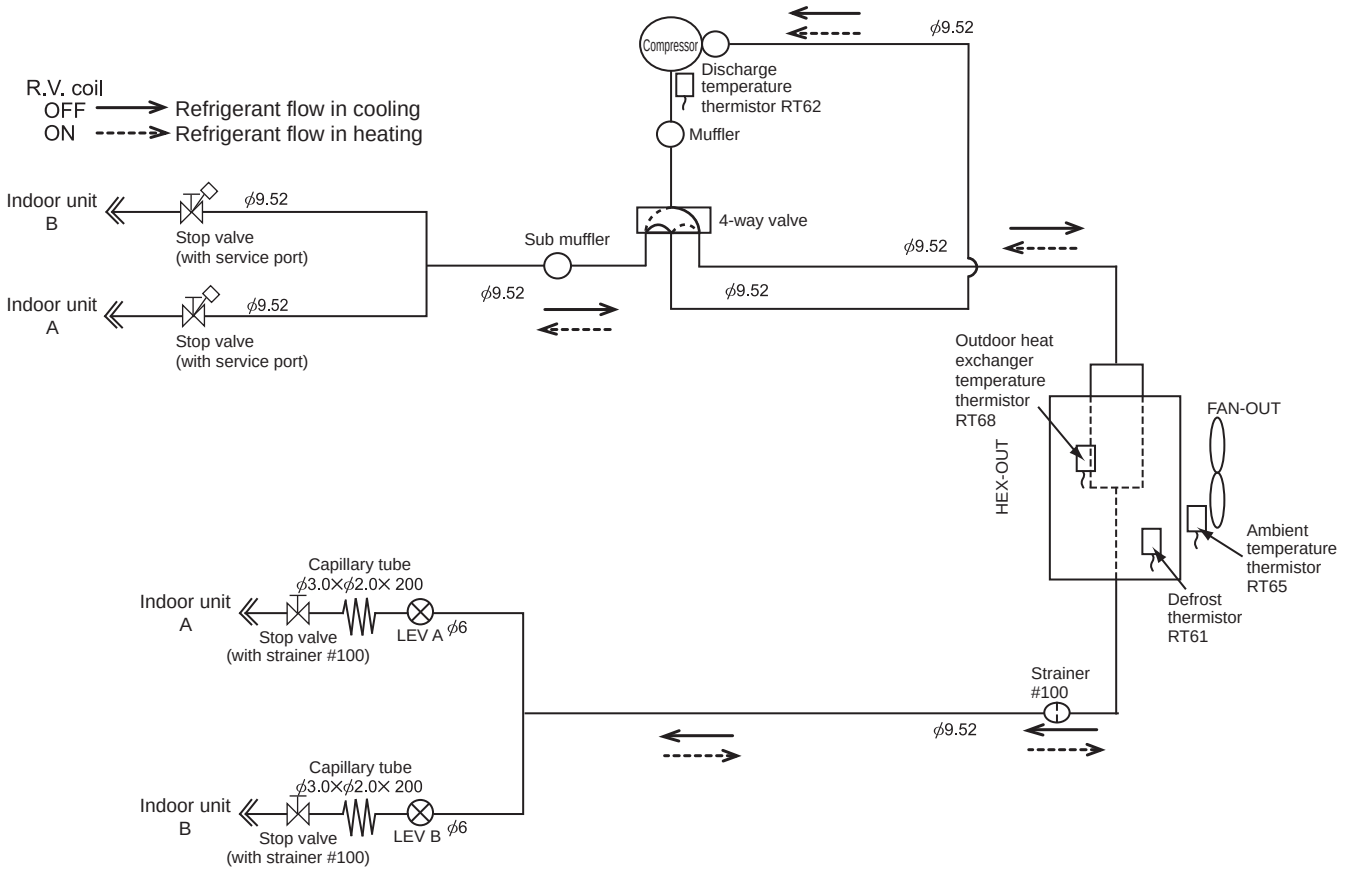

MXZ-3DM50VA

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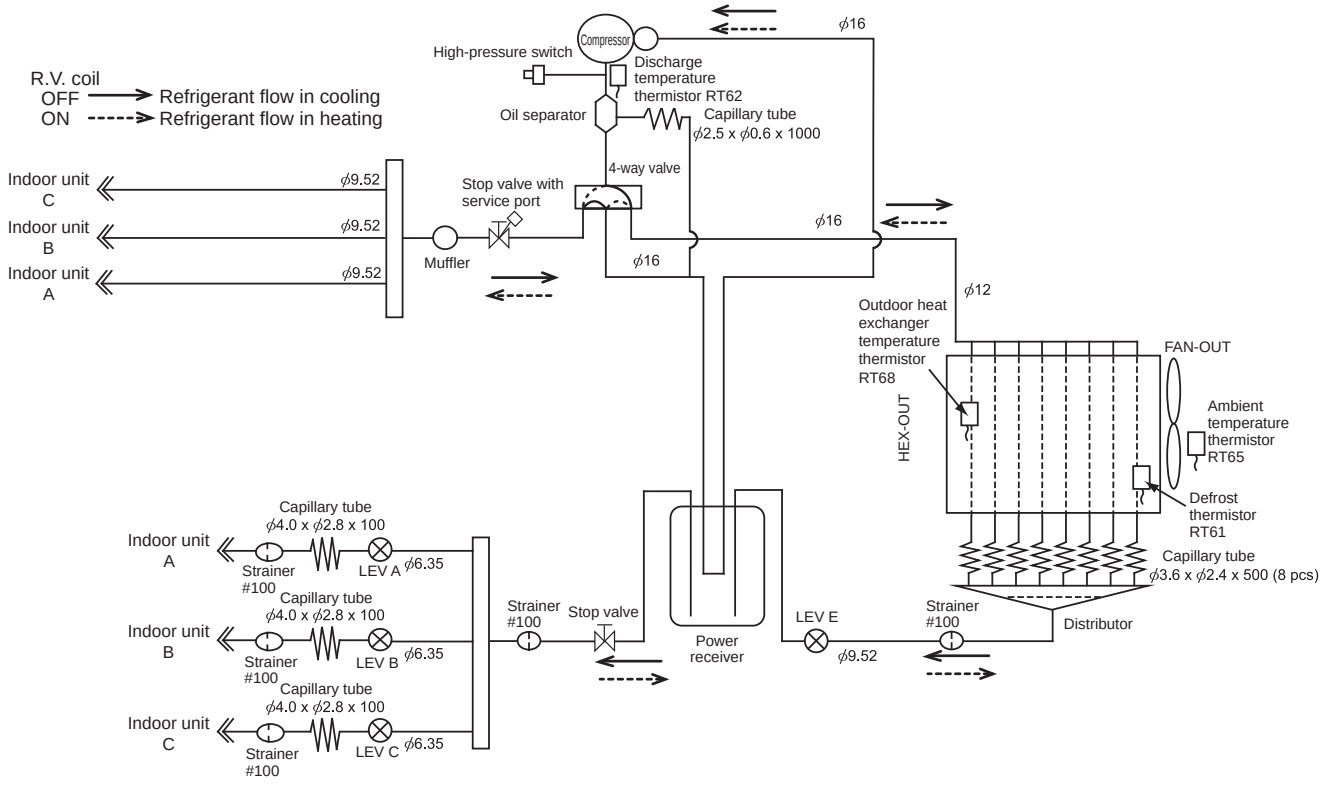


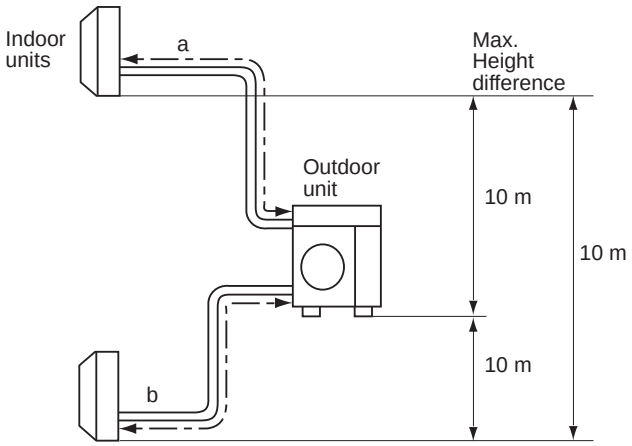
C.4.4.2 Refrigerant Pipe Length and Pipe Size

MXZ-2F33VF3

MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b)	15 m
Total piping length (a+b)	20 m
Bending point for each unit	15
Total bending point	20

✻It is irrelevant which unit is higher.



ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 2 unit total)
	20 m
800	0

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the right table.

Unit: mm (inch)

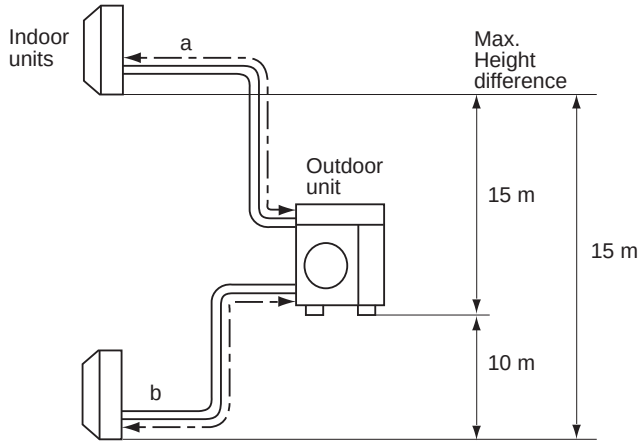
Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-2F42VF3 MXZ-2F53VF3 MXZ-2F53VFH3 MXZ-2HA40VF MXZ-2HA50VF

MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b)	20 m
Total piping length (a+b)	30 m
Bending point for each unit	30
Total bending point	20

✻It is irrelevant which unit is higher.



ADDITIONAL REFRIGERANT CHARGE

Model name	Outdoor unit precharged (g)	Refrigerant piping length (one way, 2 unit total)
		30 m
MXZ-2F42VF3 MXZ-2F53VF3 MXZ-2F53VFH3	1,000	0
MXZ-2HA40VF MXZ-2HA50VF	900	

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the right table.
- For **MXZ-2F53VF3** and **MXZ-2F53VFH3**, when diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

Unit: mm (inch)

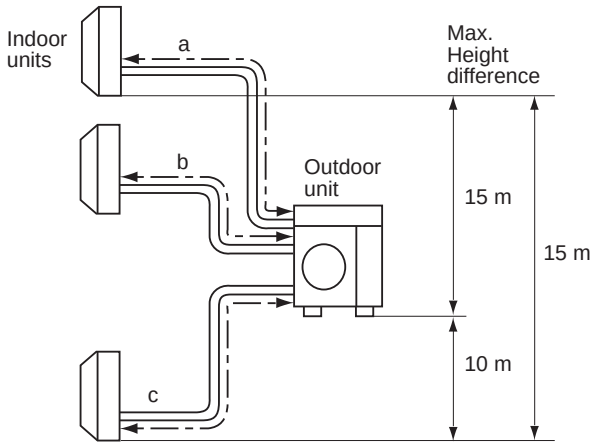
Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-3F54VF3 MXZ-3HA50VF

MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c)	25 m
Total piping length (a+b+c)	50 m
Bending point for each unit	25
Total bending point	50

✻It is irrelevant which unit is higher.



ADDITIONAL REFRIGERANT CHARGE

MXZ-3F54VF3

Outdoor unit precharged (g)	Refrigerant piping length (one way, 3 unit total)
	50 m
2,400	0

MXZ-3HA50VF

Outdoor unit precharged (g)	Refrigerant piping length (one way, 3 unit total)	
	40 m	50 m
1,400	0	200

Calculation: Xg = 20 g/m x (Refrigerant piping length (m) - 40)

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the right table.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

Unit: mm (inch)

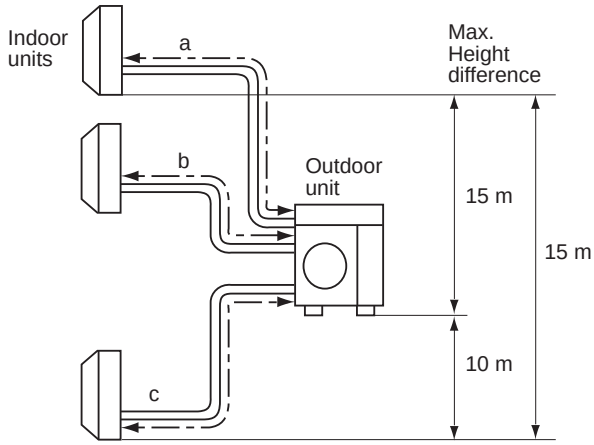
Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit C	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-3F68VF3

MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c)	25 m
Total piping length (a+b+c)	60 m
Bending point for each unit	25
Total bending point	60

✻It is irrelevant which unit is higher.



ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 3 unit total)
	60 m
2,400	0

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the right table.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

Unit: mm (inch)

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit C	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-4F72VF3 MXZ-4F80VF3

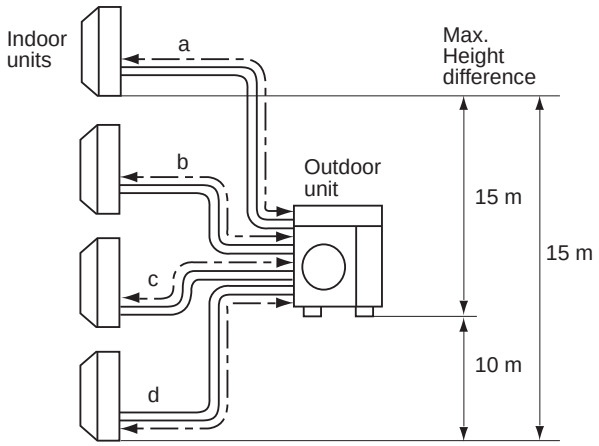
MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c, d)	25 m
Total piping length (a+b+c+d)	60 m
Bending point for each unit	25
Total bending point	60

✻It is irrelevant which unit is higher.

ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 4 unit total)
	60 m
2,400	0



Unit: mm (inch)

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the right table.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	12.7(1/2)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit C	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit D	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-4F83VF

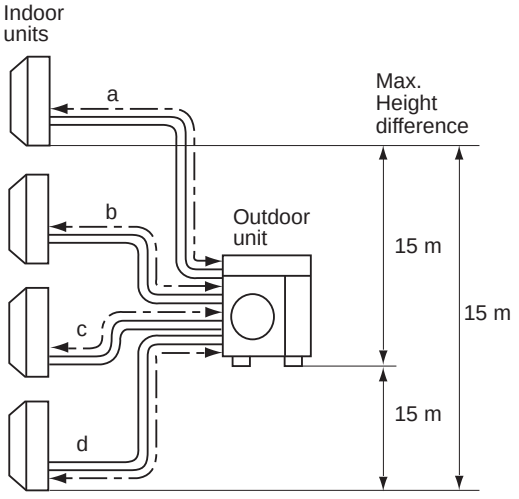
MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c, d)	25 m
Total piping length (a+b+c+d)	70 m
Bending point for each unit	25
Total bending point	70

✻It is irrelevant which unit is higher.

ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 4 units total)
	70 m
2,400	0



UNIT: mm (inch)

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

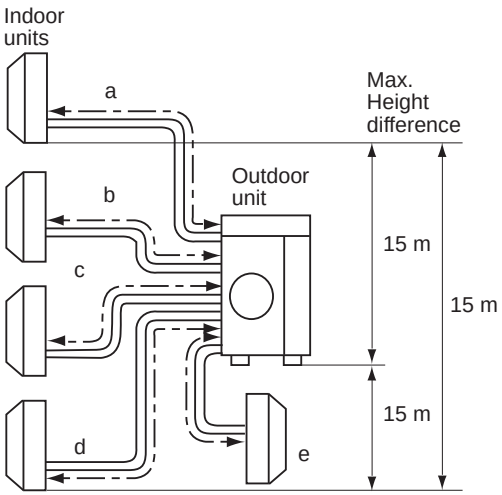
Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	12.7(1/2)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit C	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit D	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-5F102VF

MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c, d, e)	25 m
Total piping length (a+b+c+d+e)	80 m
Bending point for each unit	25
Total bending point	80

✻It is irrelevant which unit is higher.



UNIT: mm (inch)

ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 5 units total)
	80 m
2,400	0

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

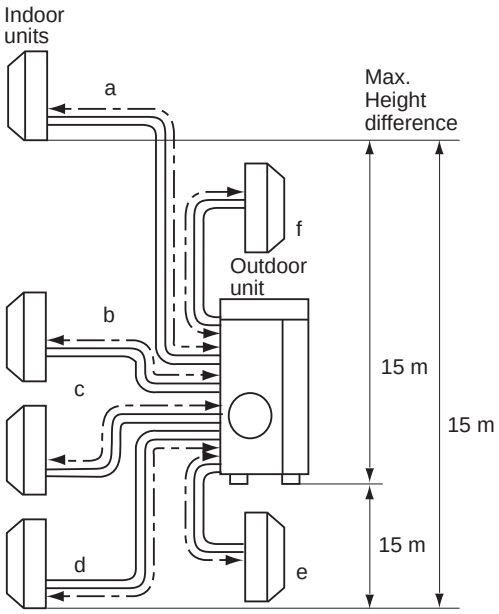
Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	12.7(1/2)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit C	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit D	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit E	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-6F122VF

MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c, d, e, f)	25 m
Total piping length (a+b+c+d+e+f)	80 m
Bending point for each unit	25
Total bending point	80

✻It is irrelevant which unit is higher.



ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 6 units total)
	80 m
2,400	0

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe, refer to "PARTS CATALOG".

UNIT: mm (inch)

Outdoor unit union diameter			Outdoor unit union diameter		
For			For		
Indoor unit A	Liquid	6.35(1/4)	Indoor unit D	Liquid	6.35(1/4)
	Gas	12.7(1/2)		Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)	Indoor unit E	Liquid	6.35(1/4)
	Gas	9.52(3/8)		Gas	9.52(3/8)
Indoor unit C	Liquid	6.35(1/4)	Indoor unit F	Liquid	6.35(1/4)
	Gas	9.52(3/8)		Gas	9.52(3/8)

MXZ-2F53VFHZ

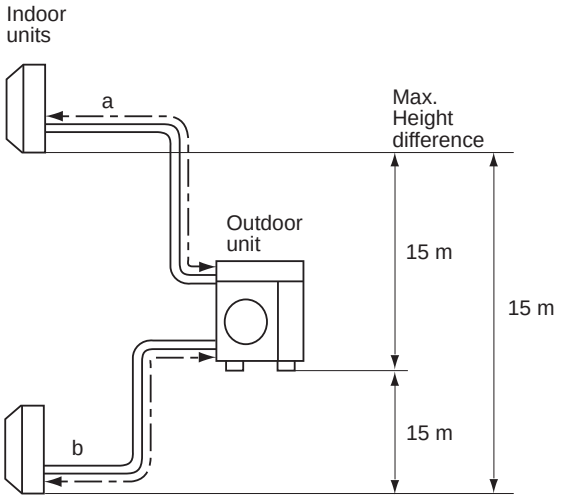
MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b)	20 m
Total piping length (a+b)	30 m
Bending point for each unit	20
Total bending point	30

✻It is irrelevant which unit is higher.

ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 2 units total)
	30 m
2,400	0



- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.
  For further information on Different-diameter pipe, refer to "PARTS CATALOG".

UNIT: mm (inch)

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-4F83VFHZ

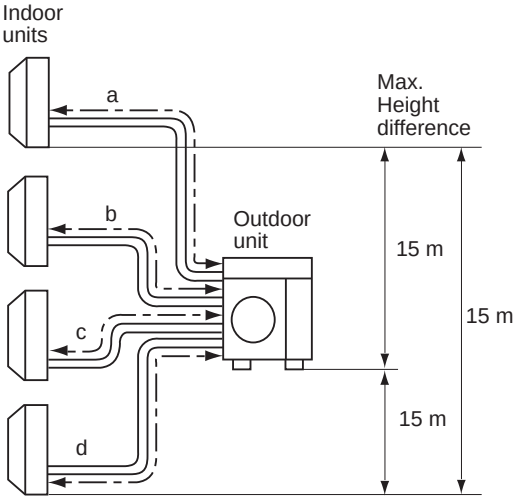
MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c, d)	25 m
Total piping length (a+b+c+d)	70 m
Bending point for each unit	25
Total bending point	70

✻It is irrelevant which unit is higher.

ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 4 units total)
	70 m
2,400	0



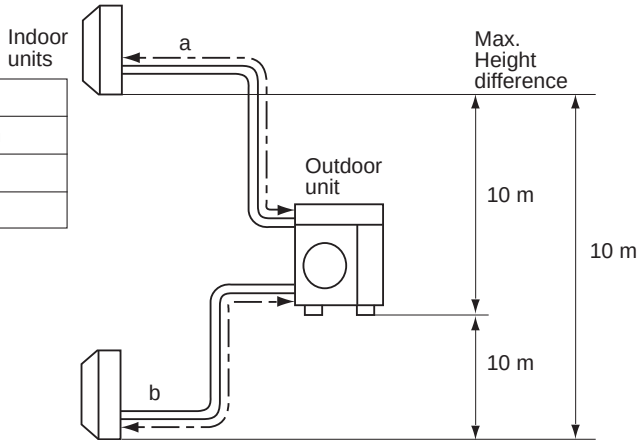
- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.
  For further information on Different-diameter pipe, refer to "PARTS CATALOG".

UNIT: mm (inch)

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	12.7(1/2)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit C	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit D	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-2D33VA

MAX REFRIGERANT PIPING LENGTH



Piping length each indoor unit (a, b)	15 m
Total piping length (a+b)	20 m
Bending point for each unit	15
Total bending point	20

✻It is irrelevant which unit is higher.

ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 2 unit total)
	20 m
1,150	0

WHEN CONNECTING TO MFZ-KJ SERIES INDOOR UNIT

No. of MFZ-KJ indoor units	Refrigerant piping length (L)	Maximum amount of refrigerant
	~ 20 m	
None	Charge-less (1,150 g)	1,150 g
1 unit	100 g additional charge (1,250 g)	1,250 g
2 units	Not available	-

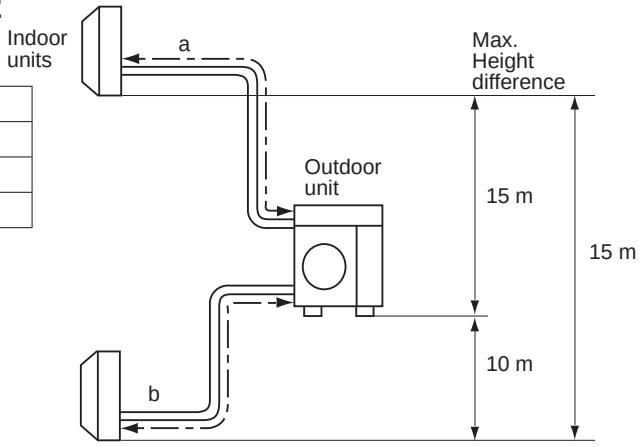
Unit: mm (inch)

● Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the right table.

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-2D42VA2 MXZ-2D53VA2 MXZ-2D53VAH2

MAX REFRIGERANT PIPING LENGTH



Piping length each indoor unit (a, b)	20 m
Total piping length (a+b)	30 m
Bending point for each unit	20
Total bending point	30

✻It is irrelevant which unit is higher.

ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 2 unit total)	
	20 m	30 m
1,300	0	200

Calculation : Xg = 20 g/m x (Refrigerant piping length(m) - 20)

WHEN CONNECTING TO MFZ-KJ SERIES INDOOR UNIT

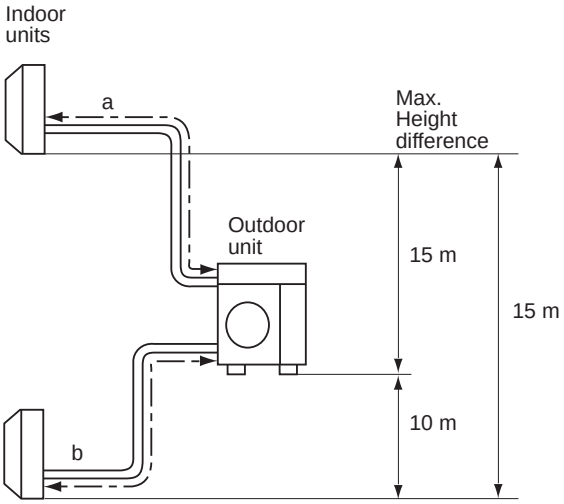
No. of MFZ-KJ indoor units	Refrigerant piping length (L)		Maximum amount of refrigerant
	~ 20 m	~ 30 m	
None	Charge-less (1,300 g)	(L-20) x 20 g/m	1,500 g
1 unit	100 g additional charge (1,400 g)	100 g + (L-20) x 20 g/m	1,600 g
2 units	200 g additional charge (1,500 g)	200 g + (L-20) x 20 g/m	1,700 g

Unit: mm (inch)

● Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the right table.
● When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-2E53VAHZ



MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b)	20 m
Total piping length (a+b)	30 m
Bending point for each unit	20
Total bending point	30

✻It is irrelevant which unit is higher.

ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 2 unit total)		
	20 m	25 m	30 m
2,000	0	100	200

Calculation : Xg = 20 g/m x (Refrigerant piping length (m) - 20)

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe.

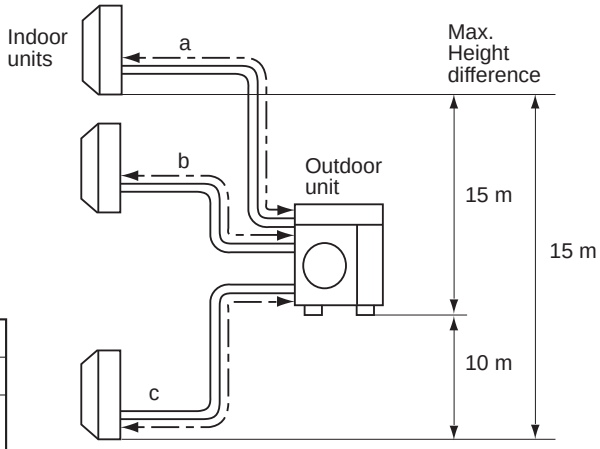
Unit: mm (inch)

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-3E54VA MXZ-3E68VA

MAX REFRIGERANT PIPING LENGTH

	3E54	3E68
Piping length each indoor unit (a, b, c)	25 m	25 m
Total piping length (a+b+c)	50 m	60 m
Bending point for each unit	25	25
Total bending point	50	60



✻It is irrelevant which unit is higher.

ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 3 unit total)		
	40 m	50 m	60 m
2,700	0	200	400

Calculation : Xg = 20 g/m x (Refrigerant piping length (m) - 40)

WHEN CONNECTING TO MFZ-KJ SERIES INDOOR UNIT
MXZ-3E54VA

No. of MFZ-KJ indoor units	Refrigerant piping length (L)		Maximum amount of refrigerant
	~ 40 m	~ 50 m	
None	Charge-less (2,700 g)	(L-40) x 20 g/m	2,900 g
1 unit	100 g additional charge (2,800 g)	100 g + (L-40) x 20 g/m	3,000 g
2 units	200 g additional charge (2,900 g)	200 g + (L-40) x 20 g/m	3,100 g
3 units	300 g additional charge (3,000 g)	300 g + (L-40) x 20 g/m	3,200 g

WHEN CONNECTING TO MFZ-KJ SERIES INDOOR UNIT
MXZ-3E68VA

No. of MFZ-KJ indoor units	Refrigerant piping length (L)		Maximum amount of refrigerant
	~ 40 m	~ 60 m	
None	Charge-less (2,700 g)	(L-40) x 20 g/m	3,100 g
1 unit	100 g additional charge (2,800 g)	100 g + (L-40) x 20 g/m	3,200 g
2 units	200 g additional charge (2,900 g)	200 g + (L-40) x 20 g/m	3,300 g
3 units	300 g additional charge (3,000 g)	300 g + (L-40) x 20 g/m	3,400 g

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the table below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

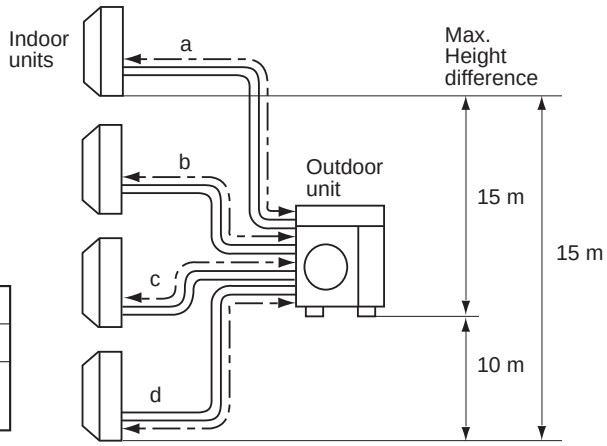
Unit: mm (inch)

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit C	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-4E72VA

MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c, d)	25 m
Total piping length (a+b+c+d)	60 m
Bending point for each unit	25
Total bending point	60



✻It is irrelevant which unit is higher.

ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 4 unit total)		
	40 m	50 m	60 m
2,700	0	200	400

Calculation : Xg = 20 g/m x (Refrigerant piping length (m) - 40)

WHEN CONNECTING TO MFZ-KJ SERIES INDOOR UNIT

No. of MFZ-KJ indoor units	Refrigerant piping length (L)		Maximum amount of refrigerant
	~ 40 m	~ 60 m	
None	Charge-less (2,700 g)	(L-40) x 20 g/m	3,100 g
1 unit	100 g additional charge (2,800 g)	100 g + (L-40) x 20 g/m	3,200 g
2 units	200 g additional charge (2,900 g)	200 g + (L-40) x 20 g/m	3,300 g
3 units	300 g additional charge (3,000 g)	300 g + (L-40) x 20 g/m	3,400 g
4 units	400 g additional charge (3,100 g)	400 g + (L-40) x 20 g/m	3,500 g

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the table below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

Unit: mm (inch)

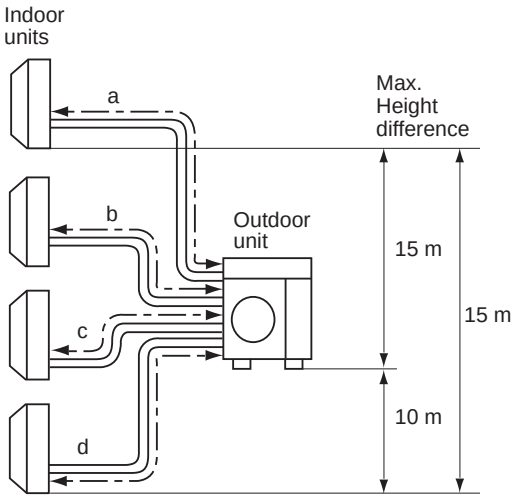
Outdoor unit union diameter			Outdoor unit union diameter		
For			For		
Indoor unit A	Liquid	6.35(1/4)	Indoor unit C	Liquid	6.35(1/4)
	Gas	12.7(1/2)		Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)	Indoor unit D	Liquid	6.35(1/4)
	Gas	9.52(3/8)		Gas	9.52(3/8)

MXZ-4E83VA

MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c, d)	25 m
Total piping length (a+b+c+d)	70 m
Bending point for each unit	25
Total bending point	70

✻It is irrelevant which unit is higher.



ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 4 unit total)			
	25 m	40 m	55 m	70 m
2,990	0	300	600	900

Calculation : Xg = 20 g/m x (Refrigerant piping length (m) - 25)

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe.

Unit: mm (inch)

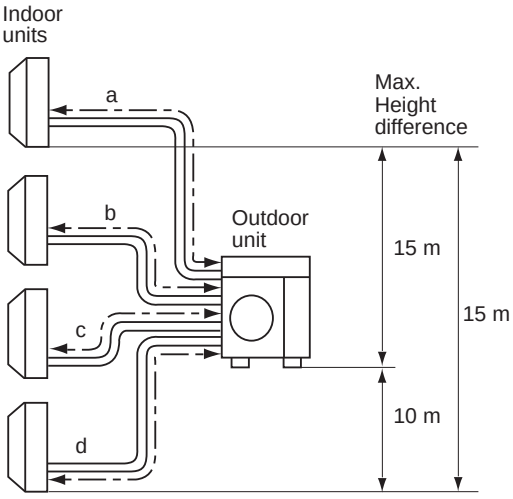
Outdoor unit union diameter			Outdoor unit union diameter		
For			For		
Indoor unit A	Liquid	6.35(1/4)	Indoor unit C	Liquid	6.35(1/4)
	Gas	12.7(1/2)		Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)	Indoor unit D	Liquid	6.35(1/4)
	Gas	9.52(3/8)		Gas	9.52(3/8)

MXZ-4E83VAHZ

MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c, d)	25 m
Total piping length (a+b+c+d)	70 m
Bending point for each unit	25
Total bending point	70

✻It is irrelevant which unit is higher.



ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 4 unit total)			
	25 m	40 m	55 m	70 m
3,900	0	300	600	900

Calculation : Xg = 20 g/m x (Refrigerant piping length (m) - 25)

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe.

Unit: mm (inch)

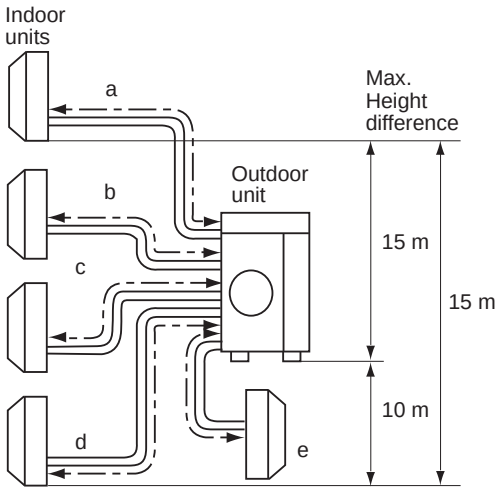
Outdoor unit union diameter			Outdoor unit union diameter		
For			For		
Indoor unit A	Liquid	6.35(1/4)	Indoor unit C	Liquid	6.35(1/4)
	Gas	12.7(1/2)		Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)	Indoor unit D	Liquid	6.35(1/4)
	Gas	9.52(3/8)		Gas	9.52(3/8)

MXZ-5E102VA

MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c, d,e)	25 m
Total piping length (a+b+c+d+e)	80 m
Bending point for each unit	25
Total bending point	80

✻It is irrelevant which unit is higher.



ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 5 unit total)				
	0 m	20 m	40 m	60 m	80 m
2,990	0	400	800	1,200	1,600

Calculation : Xg = 20 g/m x (Refrigerant piping length (m) - 0)

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe.

Unit: mm (inch)

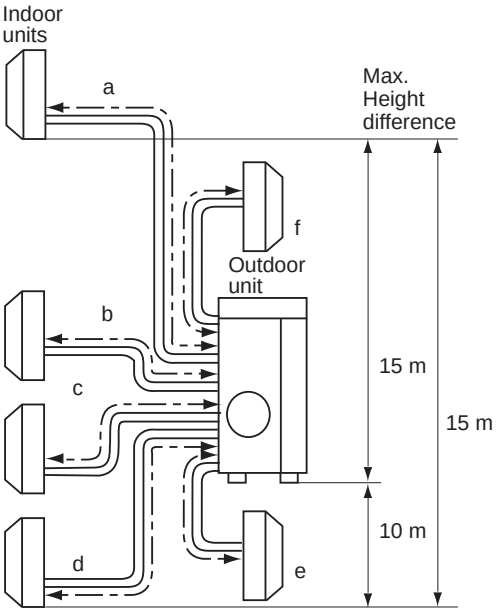
Outdoor unit union diameter			Outdoor unit union diameter		
For			For		
Indoor unit A	Liquid	6.35(1/4)	Indoor unit D	Liquid	6.35(1/4)
	Gas	12.7(1/2)		Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)	Indoor unit E	Liquid	6.35(1/4)
	Gas	9.52(3/8)		Gas	9.52(3/8)
Indoor unit C	Liquid	6.35(1/4)			
	Gas	9.52(3/8)			

MXZ-6D122VA2

MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c, d, e)	25 m
Total piping length (a+b+c+d+e)	80 m
Bending point for each unit	25
Total bending point	80

✻It is irrelevant which unit is higher.



ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 5 unit total)				
	40 m	50 m	60 m	70 m	80 m
4,000	200	400	600	800	1000

Calculation : Xg = 20 g/m x (Refrigerant piping length (m) - 30)

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe.

Unit: mm (inch)

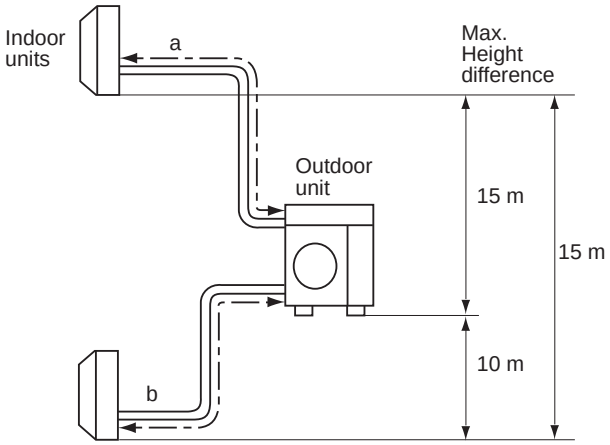
Outdoor unit union diameter			Outdoor unit union diameter		
For			For		
Indoor unit A	Liquid	6.35(1/4)	Indoor unit D	Liquid	6.35(1/4)
	Gas	12.7(1/2)		Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)	Indoor unit E	Liquid	6.35(1/4)
	Gas	9.52(3/8)		Gas	9.52(3/8)
Indoor unit C	Liquid	6.35(1/4)	Indoor unit F	Liquid	6.35(1/4)
	Gas	9.52(3/8)		Gas	9.52(3/8)

MXZ-2DM40VA

MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b)	20 m
Total piping length (a+b)	30 m
Bending point for each unit	20
Total bending point	30

❋It is irrelevant which unit is higher.



ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 2 unit total)	
	20 m	30 m
950	0	200

Calculation : Xg = 20 g/m x (Refrigerant piping length (m) - 20)

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the right table.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

Unit: mm (inch)

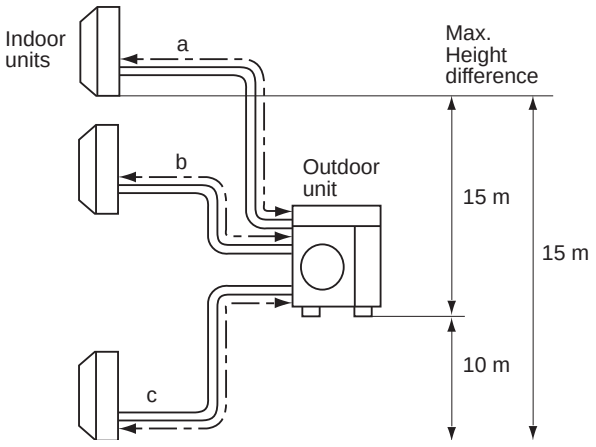
Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)

MXZ-3DM50VA

MAX REFRIGERANT PIPING LENGTH

Piping length each indoor unit (a, b, c)	25 m
Total piping length (a+b+c)	50 m
Bending point for each unit	25
Total bending point	50

❋It is irrelevant which unit is higher.



ADDITIONAL REFRIGERANT CHARGE

Outdoor unit precharged (g)	Refrigerant piping length (one way, 3 unit total)	
	40 m	50 m
2,700	0	200

Calculation : Xg = 20 g/m x (Refrigerant piping length (m) - 40)

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the right table.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

Unit: mm (inch)

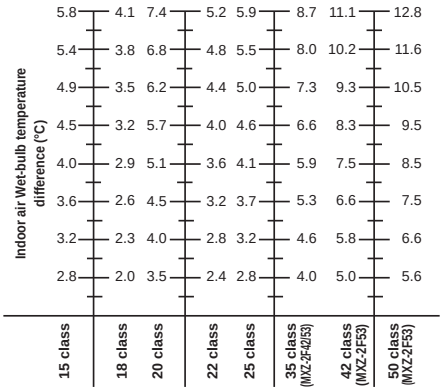
Outdoor unit union diameter		
For		
Indoor unit A	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit B	Liquid	6.35(1/4)
	Gas	9.52(3/8)
Indoor unit C	Liquid	6.35(1/4)
	Gas	9.52(3/8)

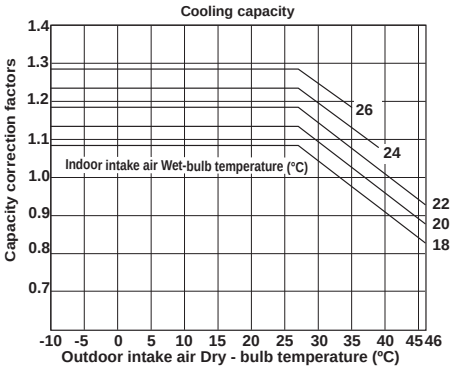
C.4.5 PERFORMANCE CURVES

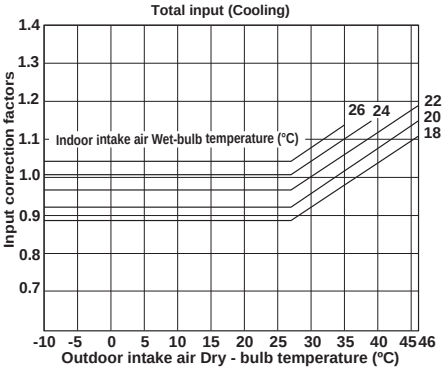
C.4.5.1 Inverter Heat Pump

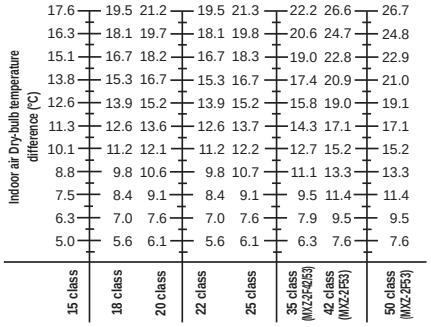
CAPACITY AND THE INPUT CURVES

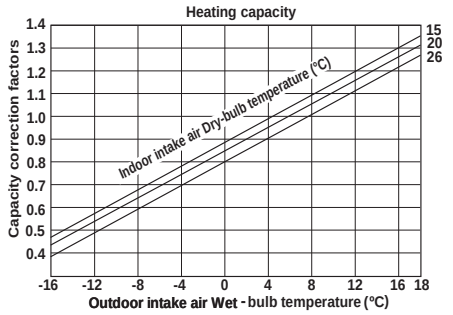
MXZ-2F33VF3 MXZ-2F42VF3 MXZ-2F53VF3 MXZ-2F53VFH3

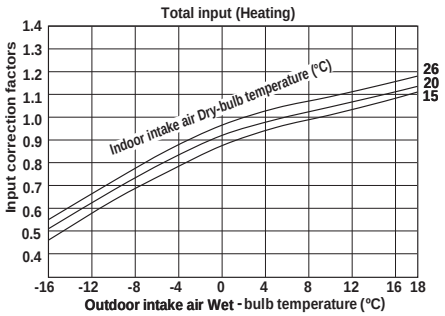




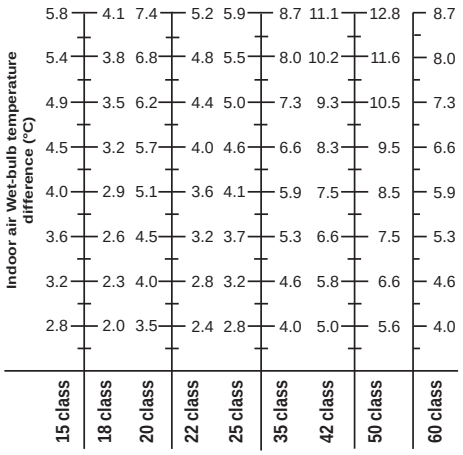


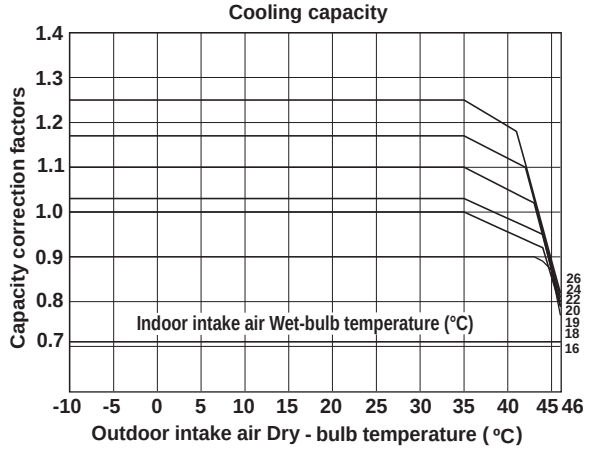


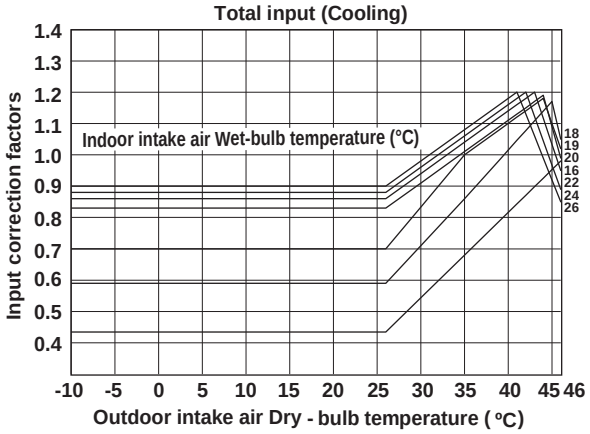


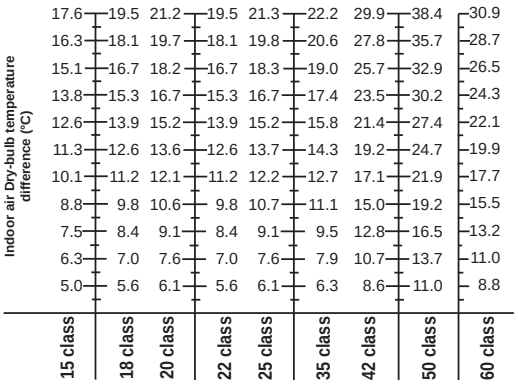


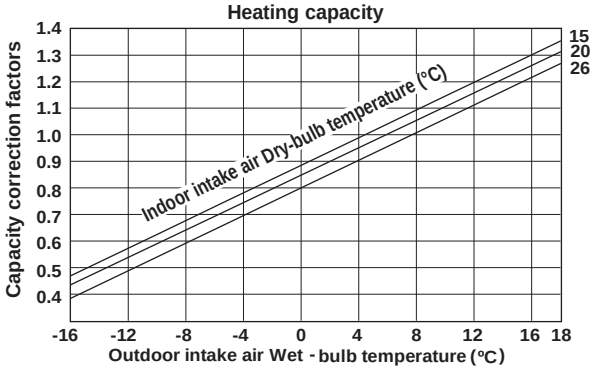
MXZ-3F54VF3 MXZ-3F68VF3 MXZ-4F72VF3 MXZ-4F80VF3

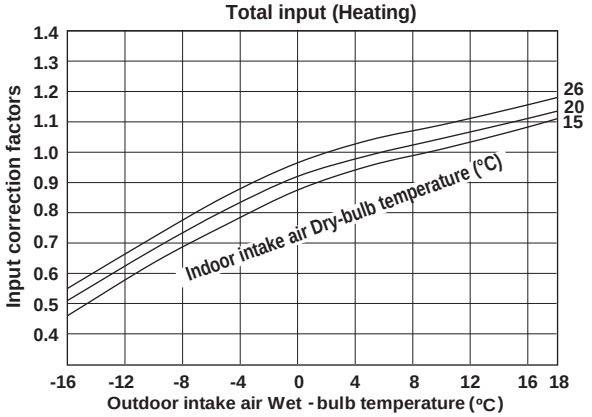




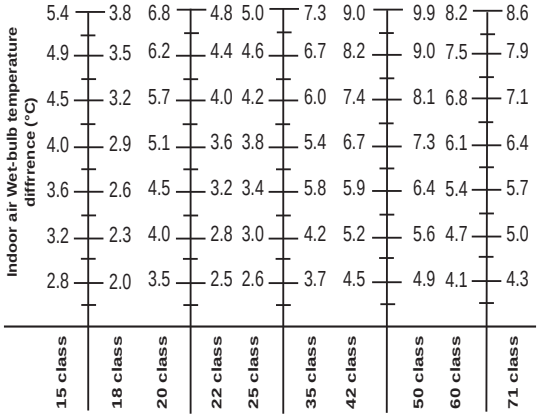


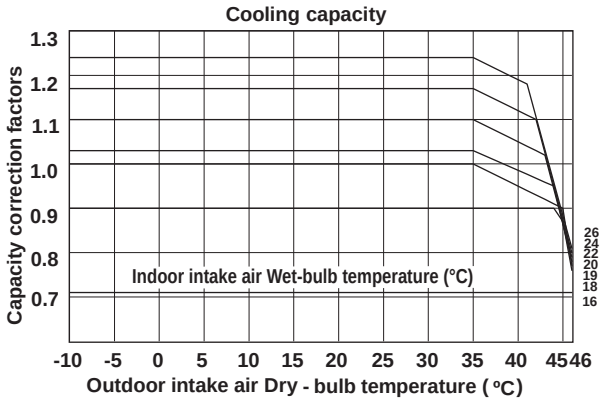


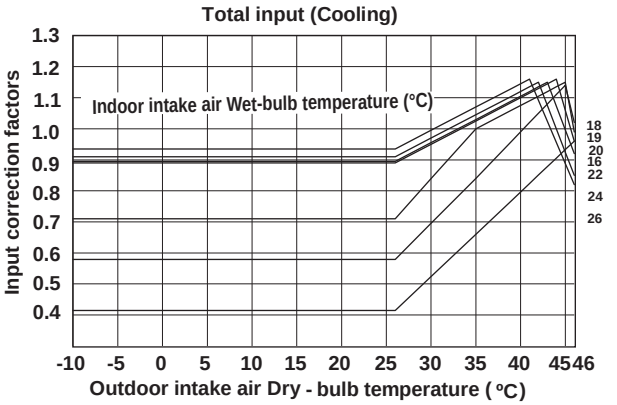


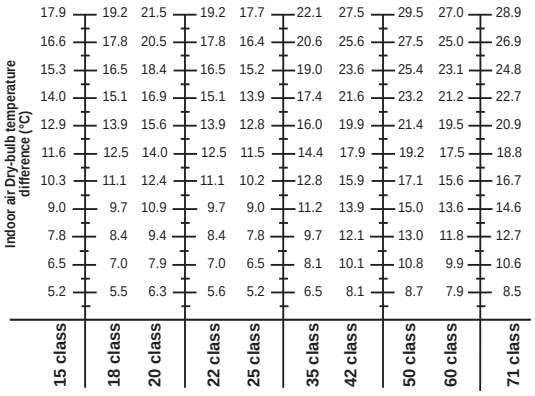


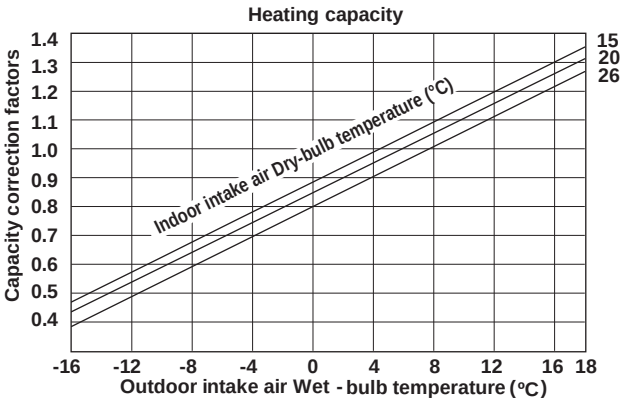
MXZ-4F83VF MXZ-5F102VF

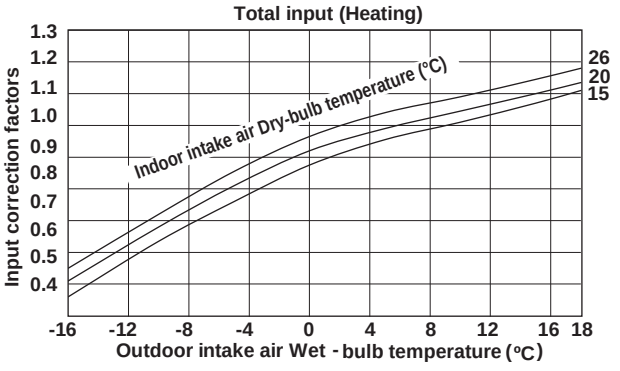




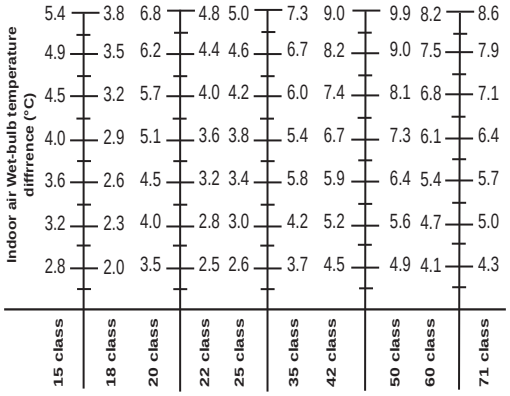


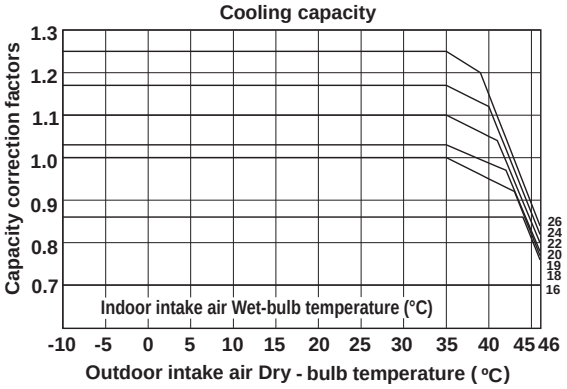


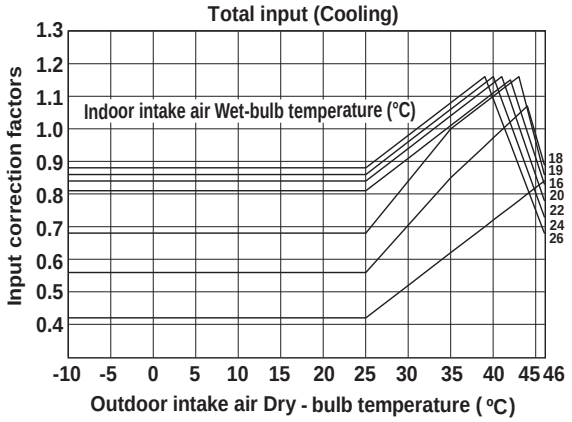


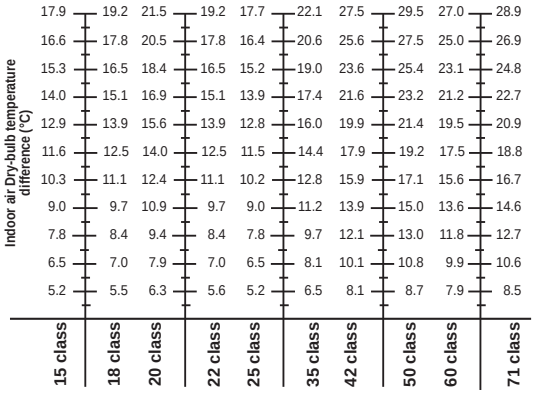


MXZ-6F122VF


Indoor air Wet-bulb temperature diffrrence (°C)
5.4 3.8 6.8 4.8 5.0 7.3 9.0 9.9 8.2 8.6
4.9 3.5 6.2 4.4 4.6 6.7 8.2 9.0 7.5 7.9
4.5 3.2 5.7 4.0 4.2 6.0 7.4 8.1 6.8 7.1
4.0 2.9 5.1 3.6 3.8 5.4 6.7 7.3 6.1 6.4
3.6 2.6 4.5 3.2 3.4 5.8 5.9 6.4 5.4 5.7
3.2 2.3 4.0 2.8 3.0 4.2 5.2 5.6 4.7 5.0
2.8 2.0 3.5 2.5 2.6 3.7 4.5 4.9 4.1 4.3
15 class
18 class
20 class
22 class
25 class
35 class
42 class
50 class
60 class
71 class


Cooling capacity
Capacity correction factors
1.3
1.2
1.1
1.0
0.9
0.8
0.7
Indoor intake air Wet-bulb temperature (°C)
26
24
22
20
19
18
16
-10 -5 0 5 10 15 20 25 30 35 40 45 46
Outdoor intake air Dry - bulb temperature (°C)


Total input (Cooling)
Input correction factors
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
Indoor intake air Wet-bulb temperature (°C)
18
19
16
20
22
24
26
-10 -5 0 5 10 15 20 25 30 35 40 45 46
Outdoor intake air Dry - bulb temperature (°C)


Indoor air Dry-bulb temperature difference (°C)
17.9 19.2 21.5 19.2 17.7 22.1 27.5 29.5 27.0 28.9
16.6 17.8 20.5 17.8 16.4 20.6 25.6 27.5 25.0 26.9
15.3 16.5 18.4 16.5 15.2 19.0 23.6 25.4 23.1 24.8
14.0 15.1 16.9 15.1 13.9 17.4 21.6 23.2 21.2 22.7
12.9 13.9 15.6 13.9 12.8 16.0 19.9 21.4 19.5 20.9
11.6 12.5 14.0 12.5 11.5 14.4 17.9 19.2 17.5 18.8
10.3 11.1 12.4 11.1 10.2 12.8 15.9 17.1 15.6 16.7
9.0 9.7 10.9 9.7 9.0 11.2 13.9 15.0 13.6 14.6
7.8 8.4 9.4 8.4 7.8 9.7 12.1 13.0 11.8 12.7
6.5 7.0 7.9 7.0 6.5 8.1 10.1 10.8 9.9 10.6
5.2 5.5 6.3 5.6 5.2 6.5 8.1 8.7 7.9 8.5
15 class
18 class
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25 class
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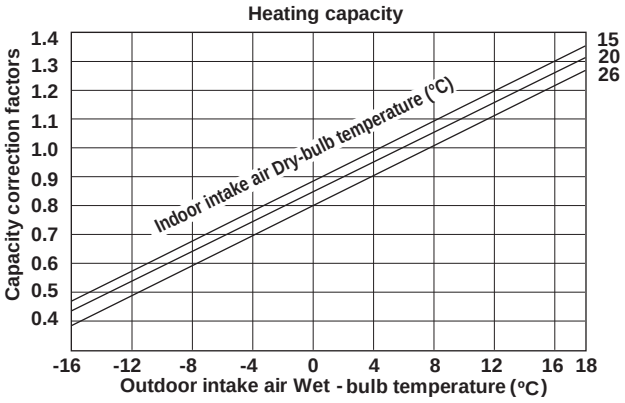
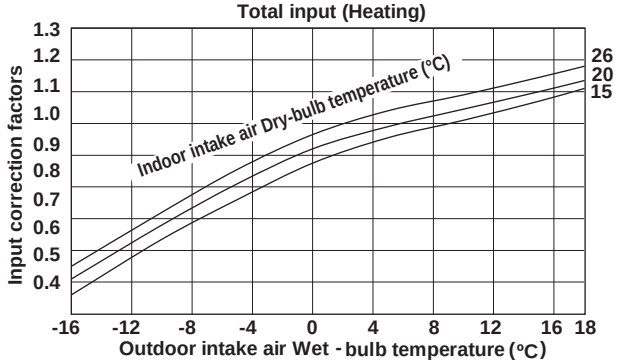
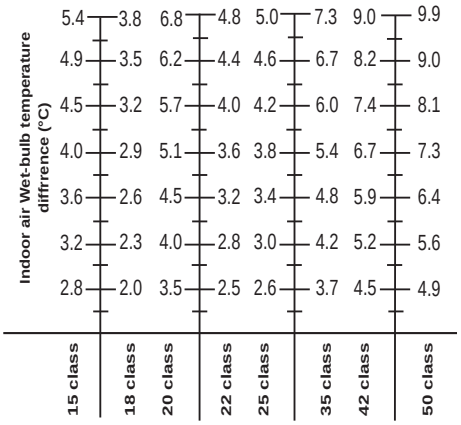
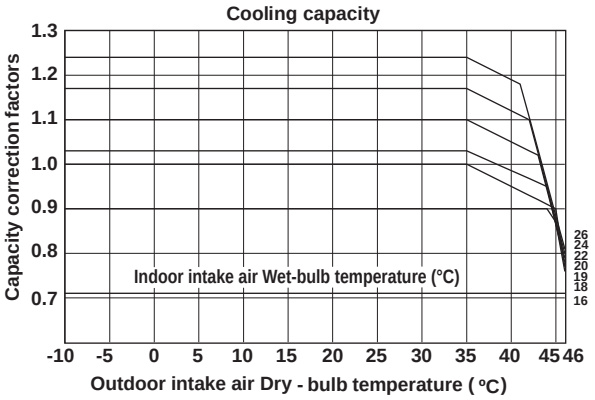
50 class
60 class
71 class

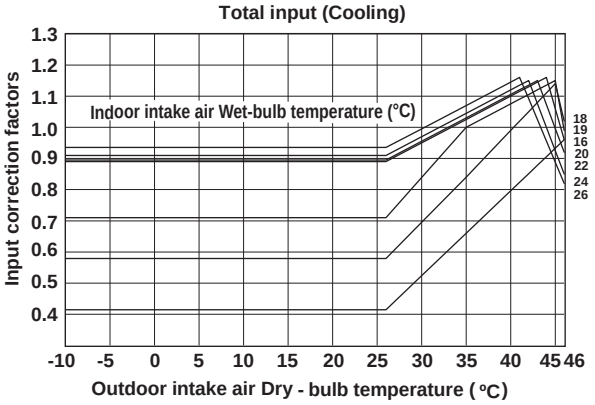

Heating capacity
Capacity correction factors
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
Indoor intake air Dry-bulb temperature (°C)
15
20
26
-16 -12 -8 -4 0 4 8 12 16 18
Outdoor intake air Wet - bulb temperature (°C)

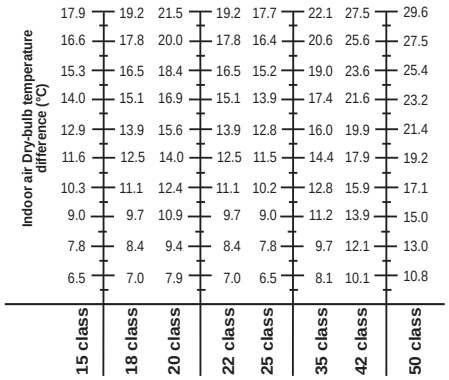

Total input (Heating)
Input correction factors
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
Indoor intake air Dry-bulb temperature (°C)
26
20
15
-16 -12 -8 -4 0 4 8 12 16 18
Outdoor intake air Wet - bulb temperature (°C)

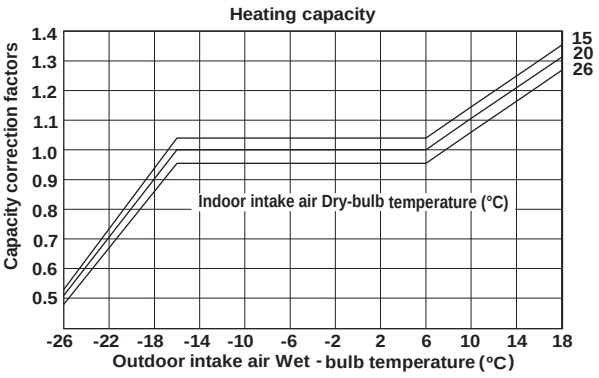
MXZ-2F53VFHZ

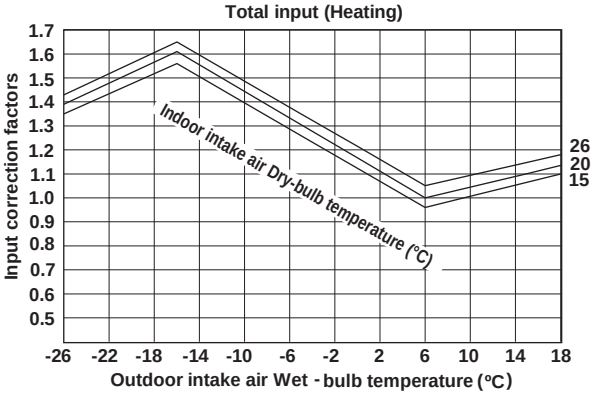












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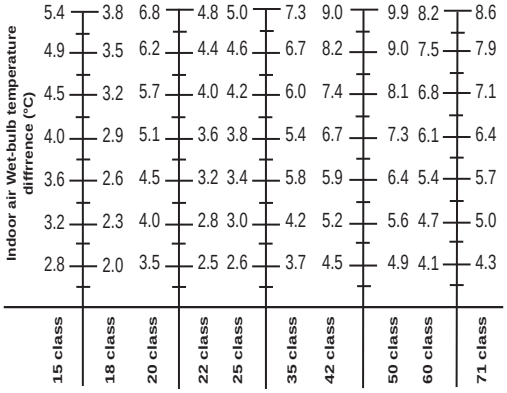

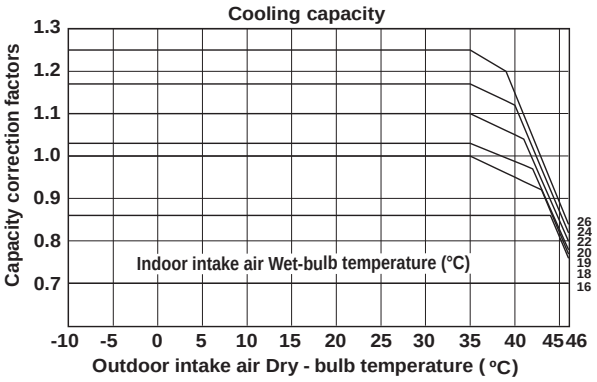

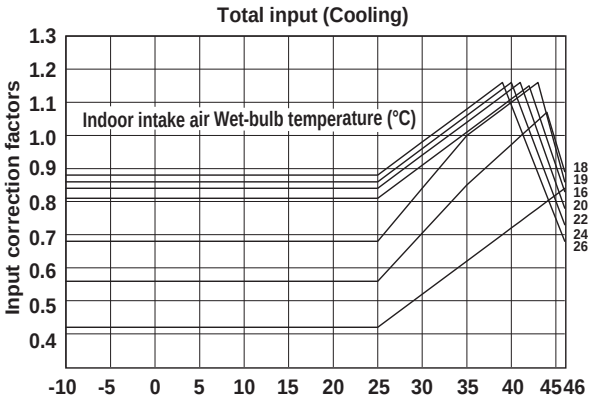

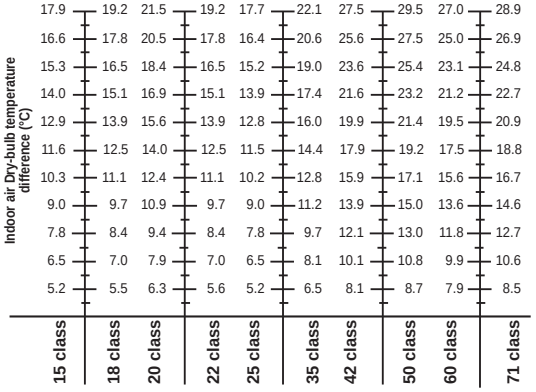

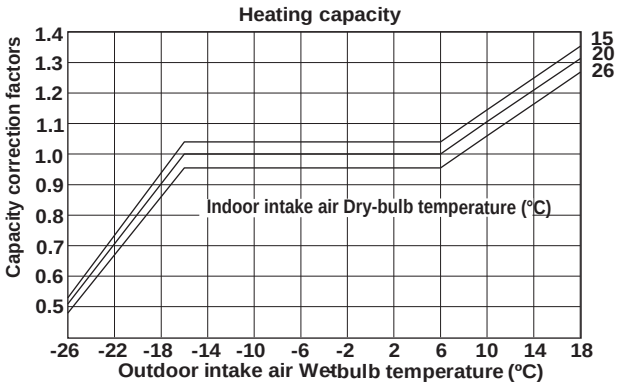

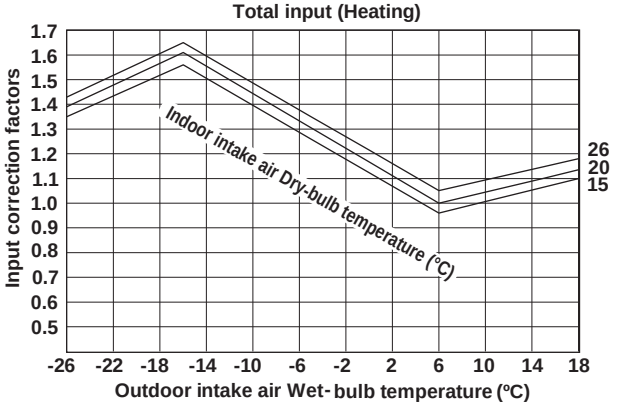

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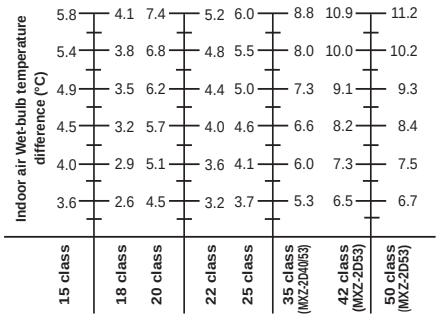

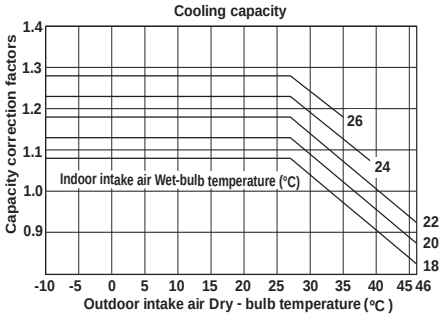

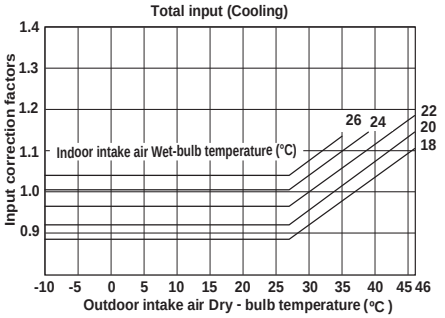

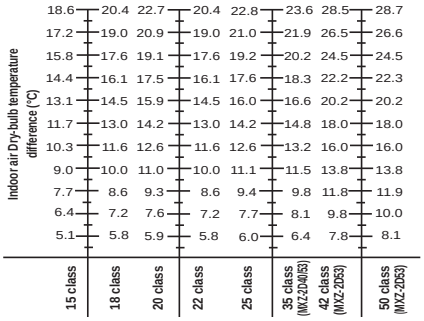

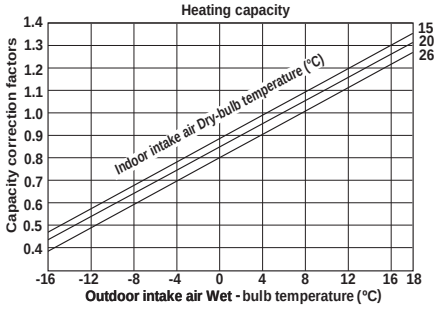

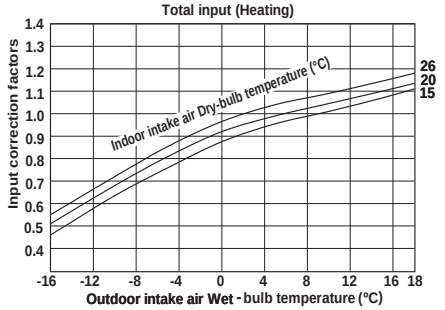

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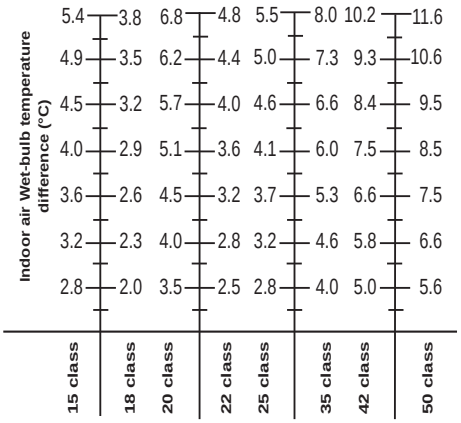

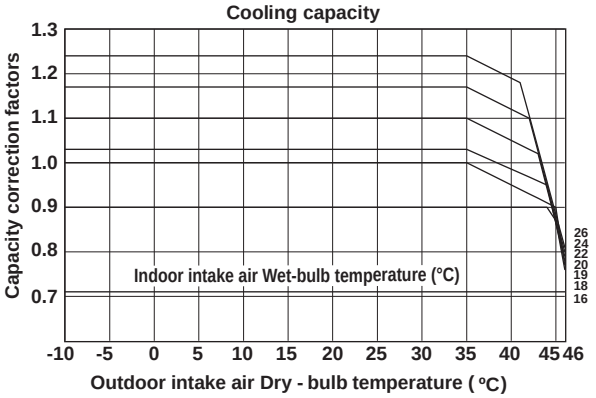

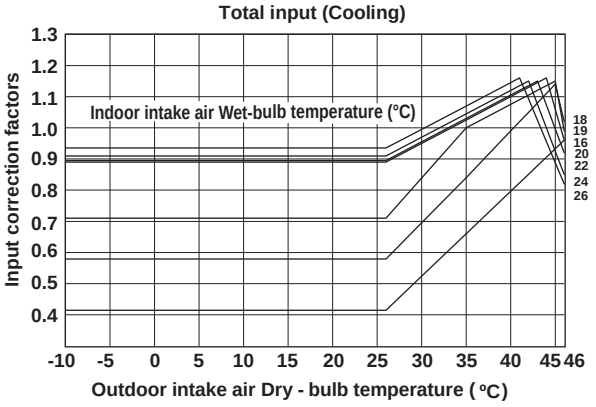

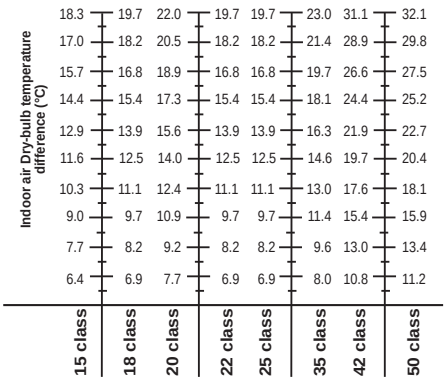

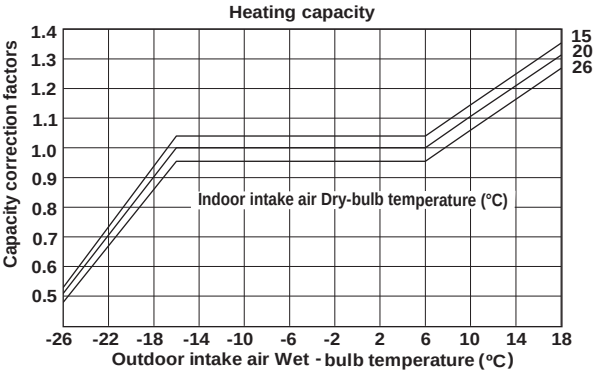

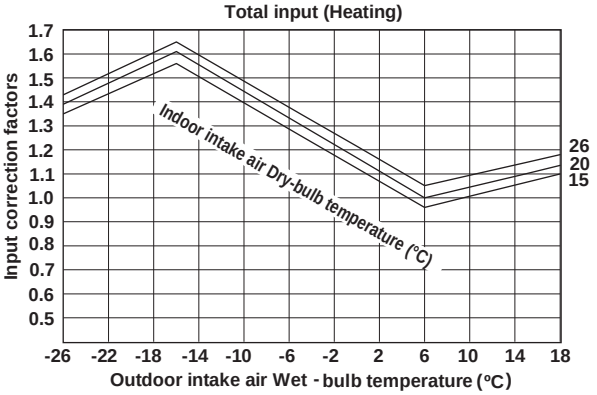

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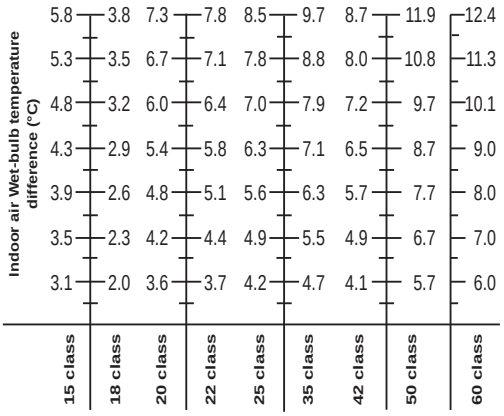
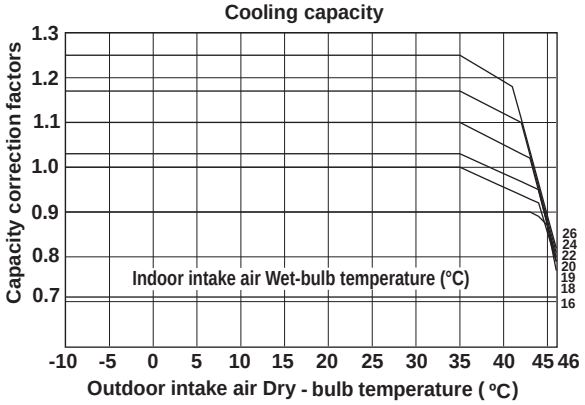
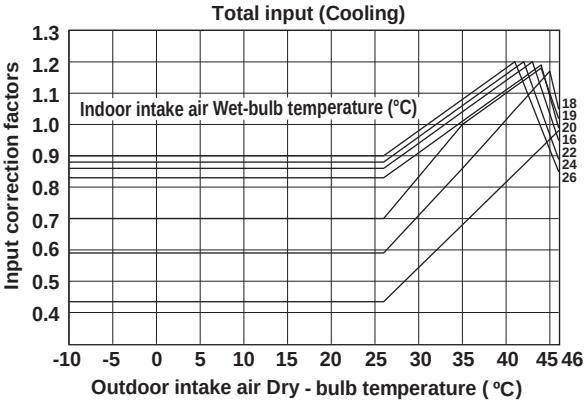
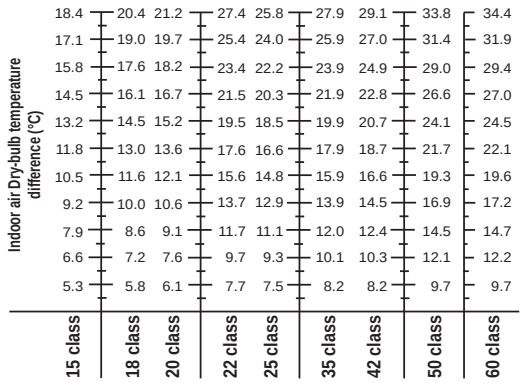
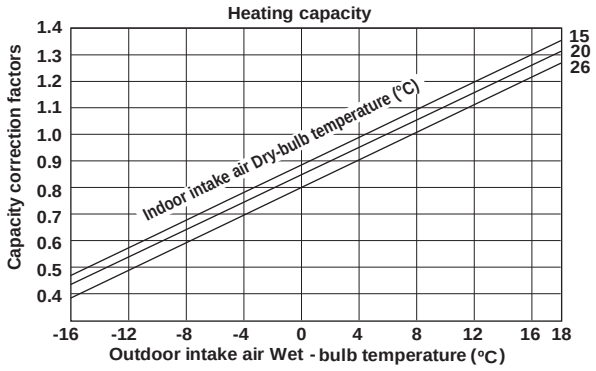
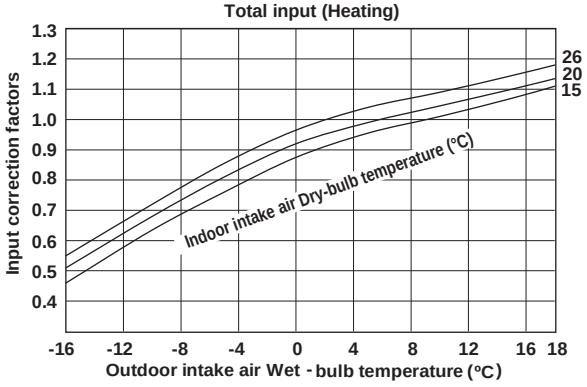




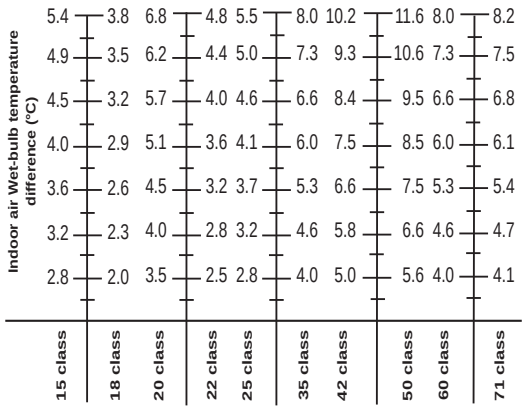


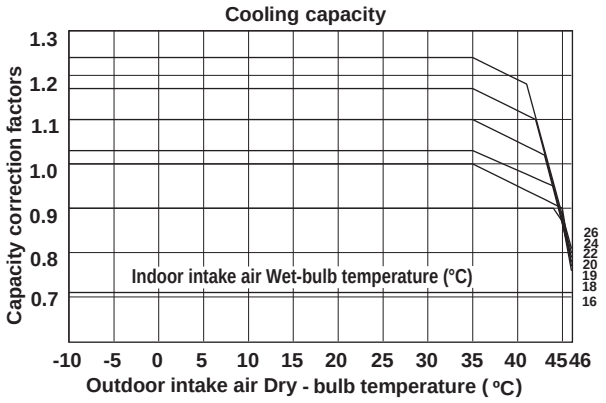


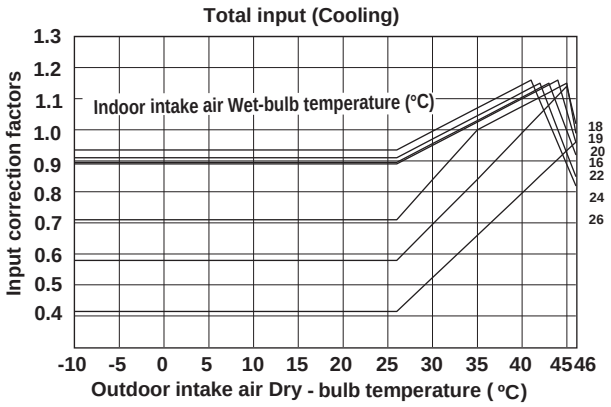


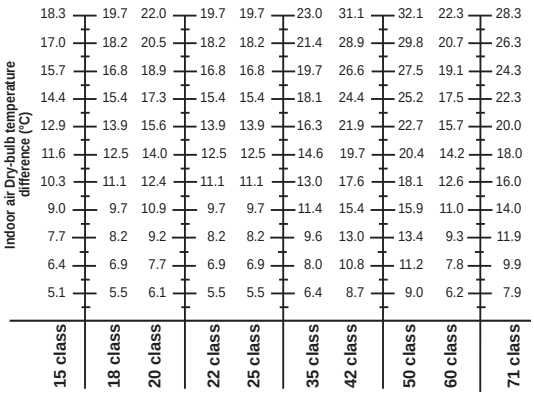


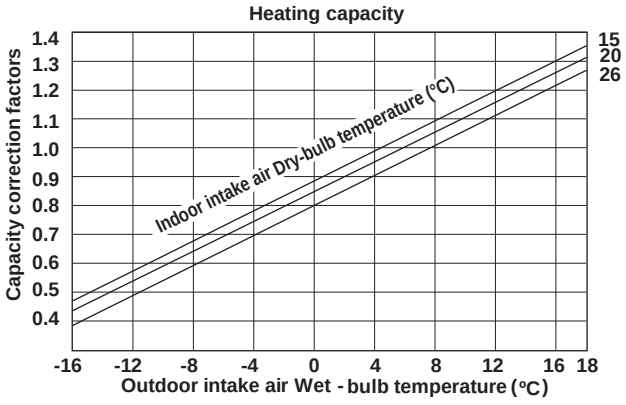
MXZ-4E83VA MXZ-5E102VA

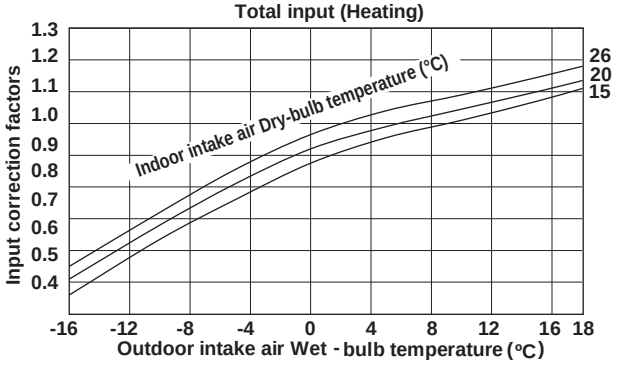












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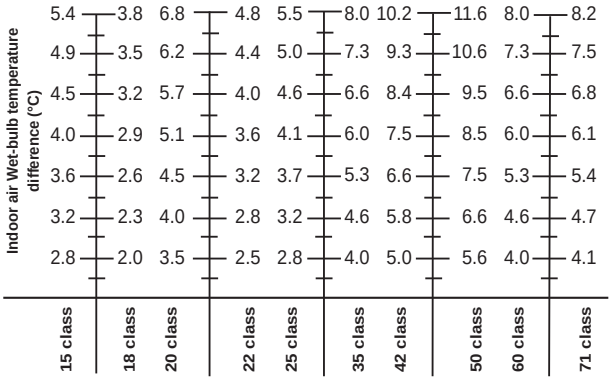

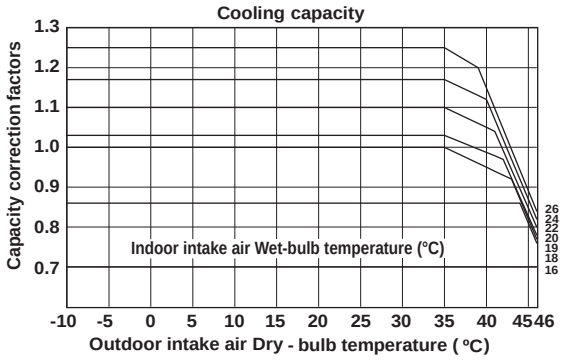

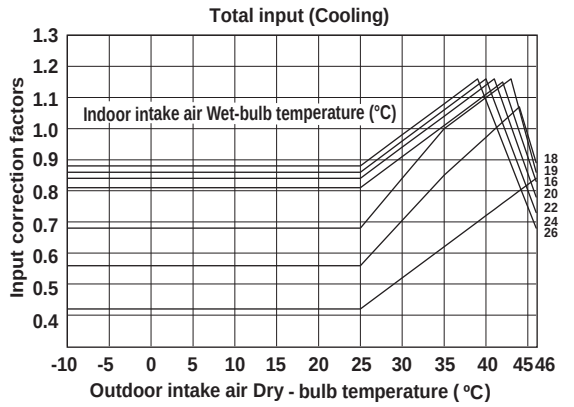

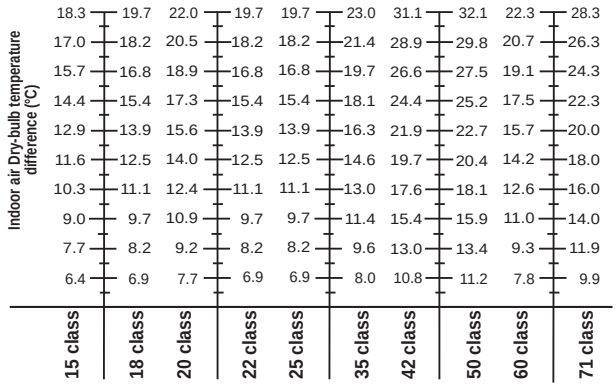

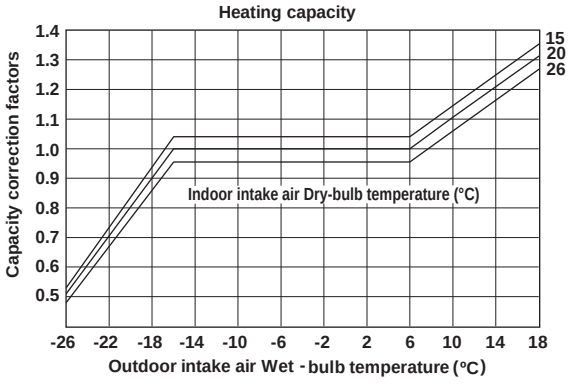

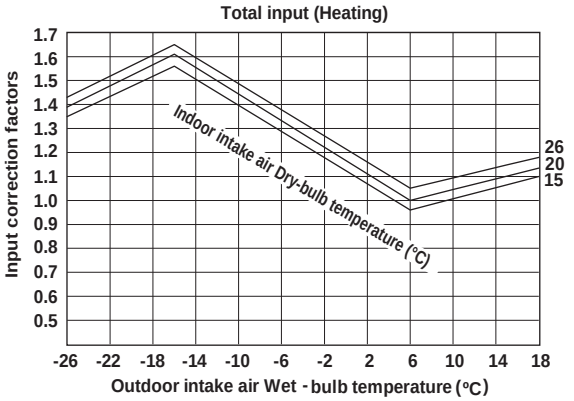

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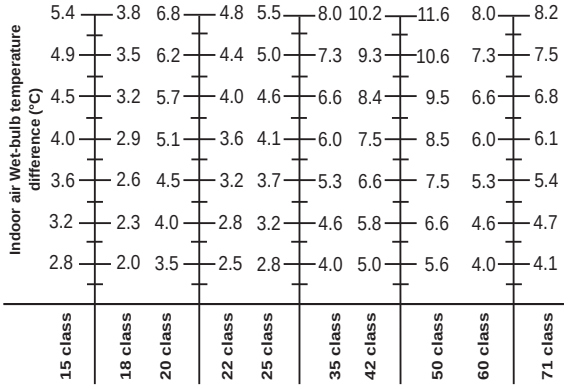

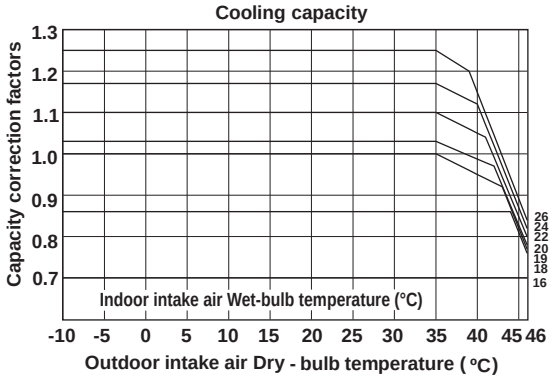

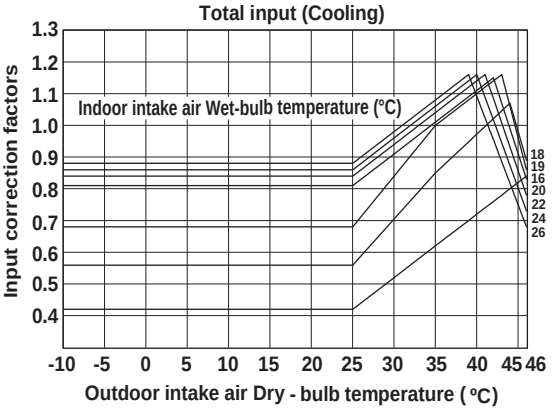

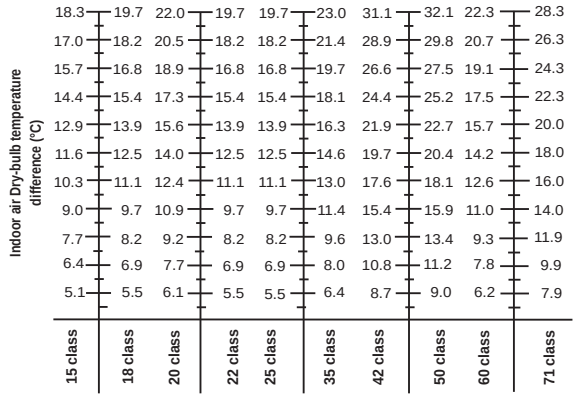

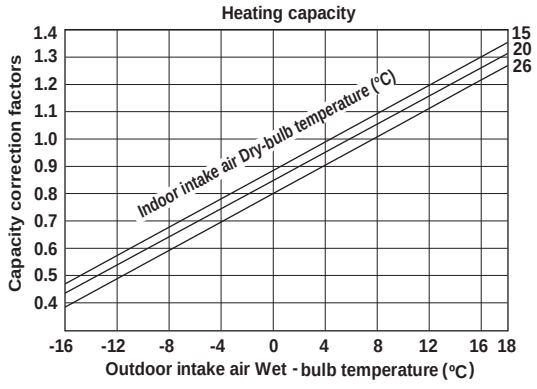

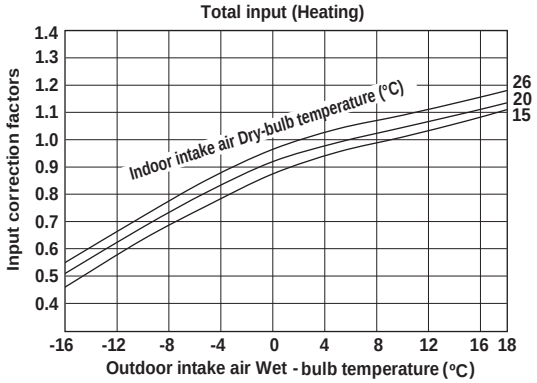

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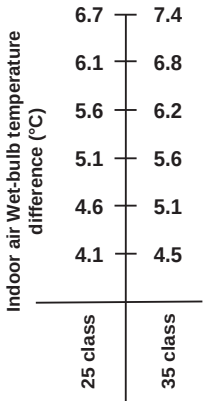
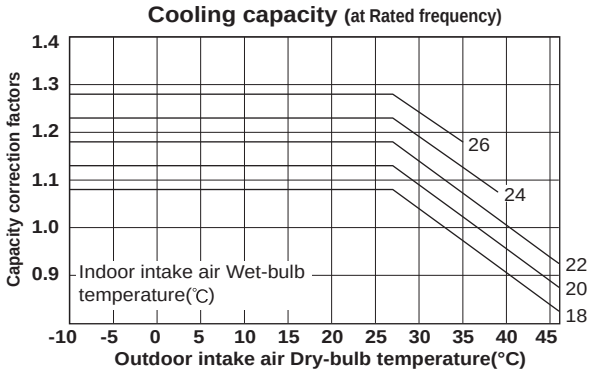
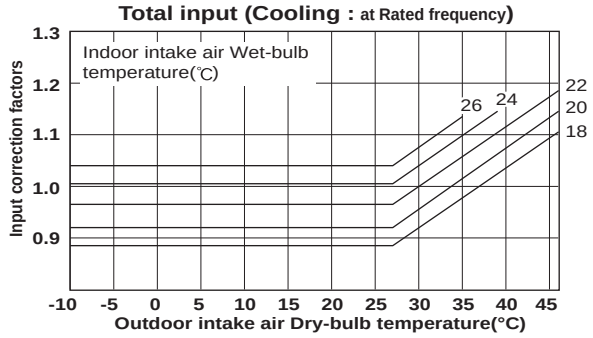
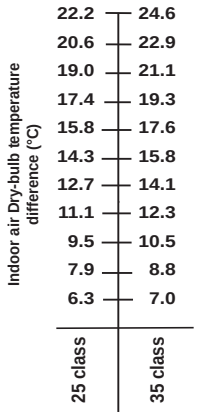
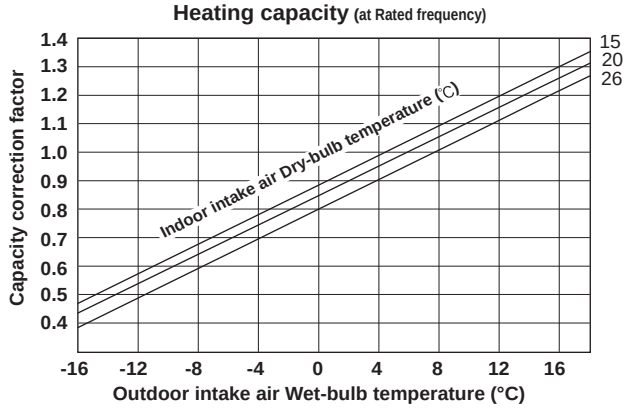
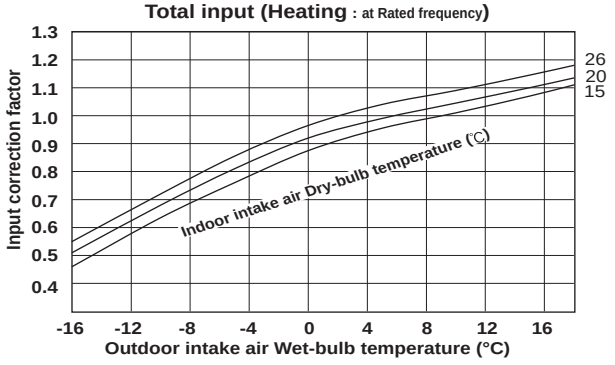

Indoor air Wet-bulb temperature difference (°C)
6.7
6.1
5.6
5.1
4.6
4.1
7.4
6.8
6.2
5.6
5.1
4.5
25 class
35 class


Cooling capacity (at Rated frequency)
Capacity correction factors
1.4
1.3
1.2
1.1
1.0
0.9
Indoor intake air Wet-bulb temperature(℃)
26
24
22
20
18
-10 -5 0 5 10 15 20 25 30 35 40 45
Outdoor intake air Dry-bulb temperature(°C)

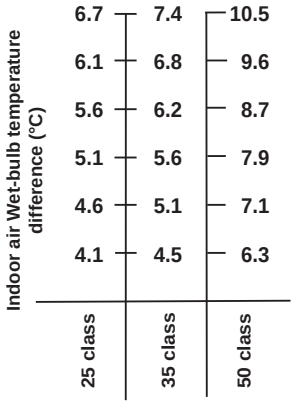

Total input (Cooling : at Rated frequency)
Input correction factors
1.3
1.2
1.1
1.0
0.9
Indoor intake air Wet-bulb temperature(℃)
26
24
22
20
18
-10 -5 0 5 10 15 20 25 30 35 40 45
Outdoor intake air Dry-bulb temperature(°C)

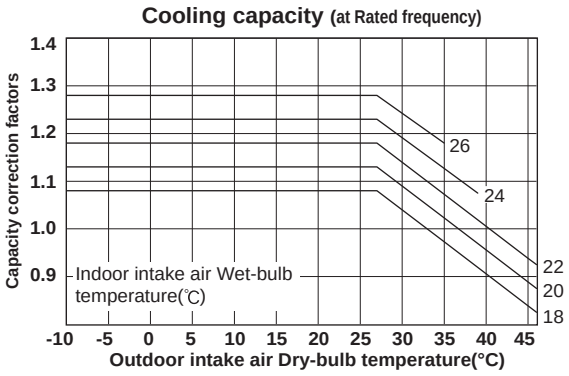

Indoor air Dry-bulb temperature difference (°C)
22.2
20.6
19.0
17.4
15.8
14.3
12.7
11.1
9.5
7.9
6.3
24.6
22.9
21.1
19.3
17.6
15.8
14.1
12.3
10.5
8.8
7.0
25 class
35 class

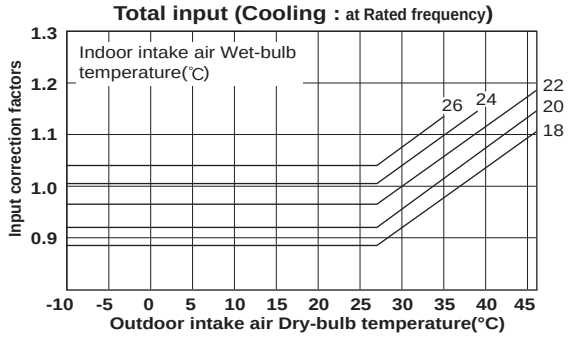

Heating capacity (at Rated frequency)
Capacity correction factor
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
Indoor intake air Dry-bulb temperature (℃)
15
20
26
-16 -12 -8 -4 0 4 8 12 16
Outdoor intake air Wet-bulb temperature (°C)

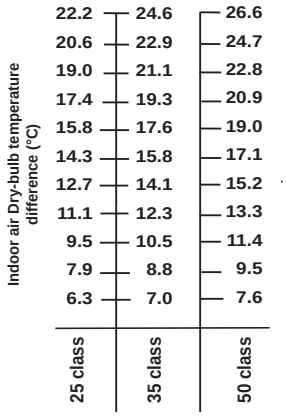

Total input (Heating : at Rated frequency)
Input correction factor
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
Indoor intake air Dry-bulb temperature (℃)
26
20
15
-16 -12 -8 -4 0 4 8 12 16
Outdoor intake air Wet-bulb temperature (°C)

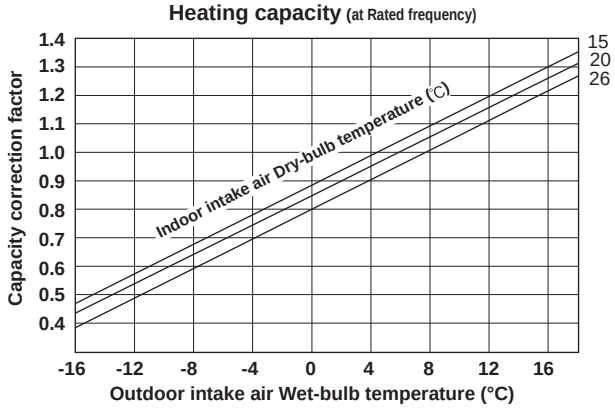
MXZ-3DM50VA

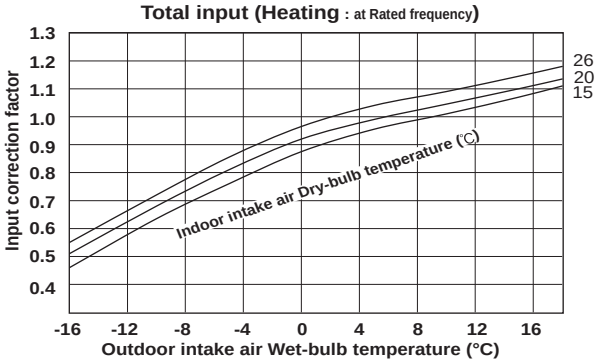

Indoor air Wet-bulb temperature difference (°C)
6.7
6.1
5.6
5.1
4.6
4.1
7.4
6.8
6.2
5.6
5.1
4.5
10.5
9.6
8.7
7.9
7.1
6.3
25 class
35 class
50 class


Cooling capacity (at Rated frequency)
Capacity correction factors
1.4
1.3
1.2
1.1
1.0
0.9
Indoor intake air Wet-bulb temperature(℃)
26
24
22
20
18
-10 -5 0 5 10 15 20 25 30 35 40 45
Outdoor intake air Dry-bulb temperature(°C)

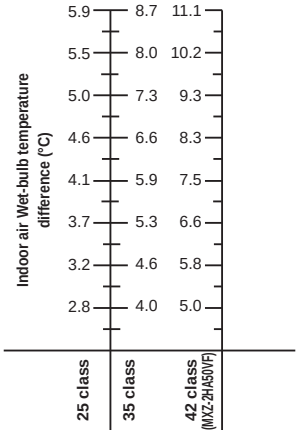

Total input (Cooling : at Rated frequency)
Input correction factors
1.3
1.2
1.1
1.0
0.9
Indoor intake air Wet-bulb temperature(℃)
26
24
22
20
18
-10 -5 0 5 10 15 20 25 30 35 40 45
Outdoor intake air Dry-bulb temperature(°C)

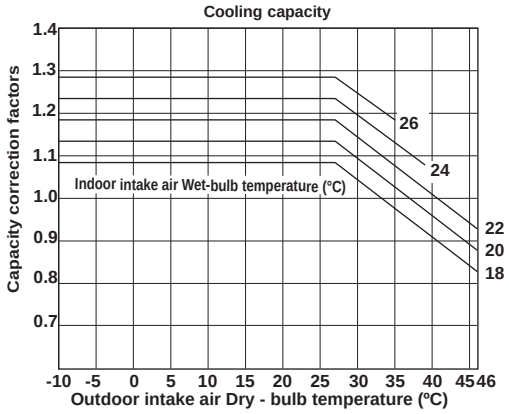

Indoor air Dry-bulb temperature difference (°C)
22.2
20.6
19.0
17.4
15.8
14.3
12.7
11.1
9.5
7.9
6.3
24.6
22.9
21.1
19.3
17.6
15.8
14.1
12.3
10.5
8.8
7.0
26.6
24.7
22.8
20.9
19.0
17.1
15.2
13.3
11.4
9.5
7.6
25 class
35 class
50 class

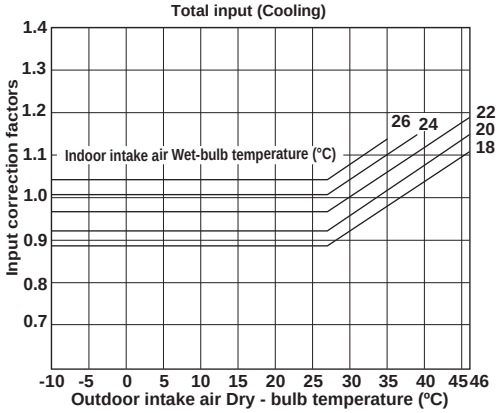

Heating capacity (at Rated frequency)
Capacity correction factor
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
Indoor intake air Dry-bulb temperature (℃)
15
20
26
-16 -12 -8 -4 0 4 8 12 16
Outdoor intake air Wet-bulb temperature (°C)

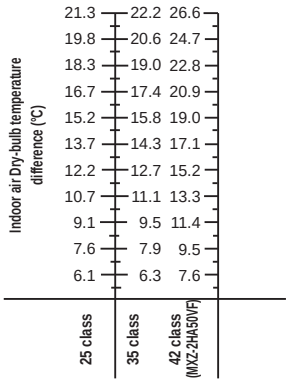

Total input (Heating : at Rated frequency)
Input correction factor
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
Indoor intake air Dry-bulb temperature (℃)
26
20
15
-16 -12 -8 -4 0 4 8 12 16
Outdoor intake air Wet-bulb temperature (°C)

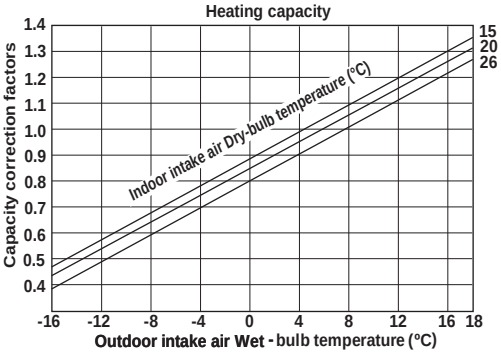
MXZ-2HA40VF MXZ-2HA50VF

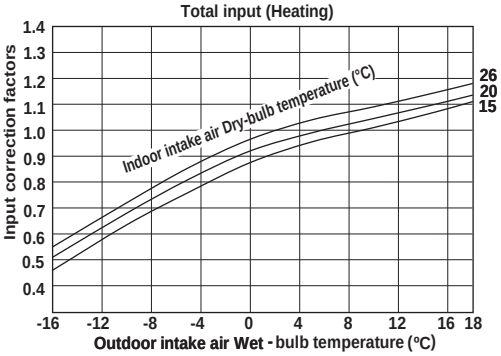




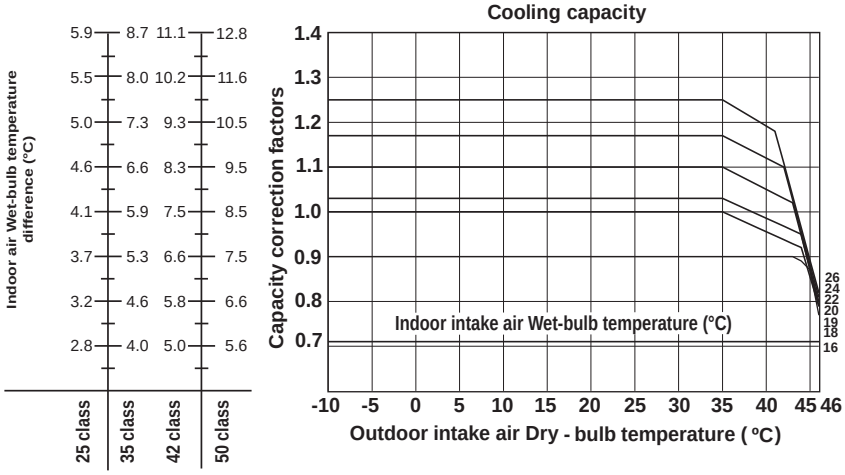


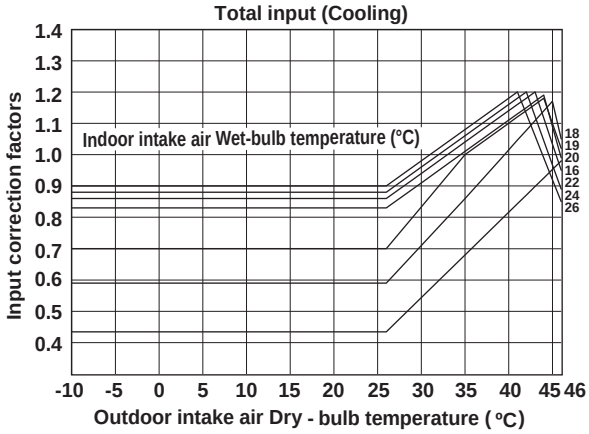


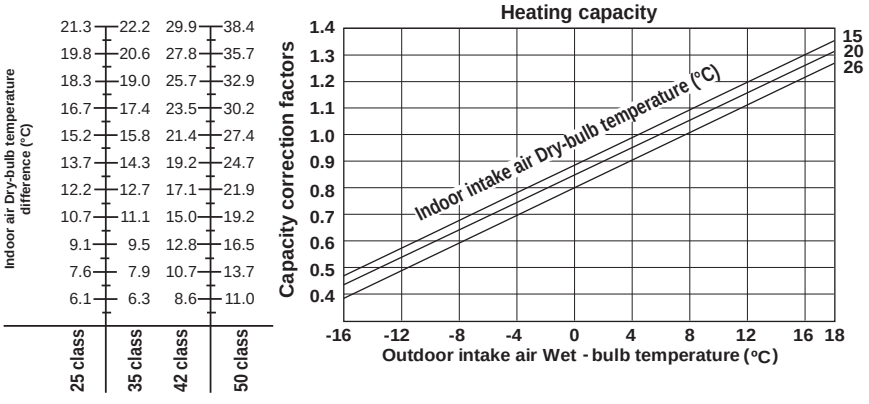


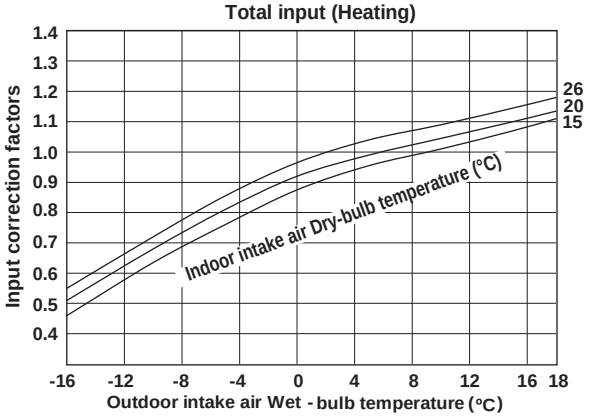


MXZ-3HA50VF


Cooling capacity
Indoor air Wet-bulb temperature difference (°C)
5.9 8.7 11.1 12.8
5.5 8.0 10.2 11.6
5.0 7.3 9.3 10.5
4.6 6.6 8.3 9.5
4.1 5.9 7.5 8.5
3.7 5.3 6.6 7.5
3.2 4.6 5.8 6.6
2.8 4.0 5.0 5.6
25 class
35 class
42 class
50 class
Capacity correction factors
1.4 1.3 1.2 1.1 1.0 0.9 0.8 0.7
Indoor intake air Wet-bulb temperature (°C)
26 24 22 20 19 18 16
-10 -5 0 5 10 15 20 25 30 35 40 45 46
Outdoor intake air Dry - bulb temperature (°C)

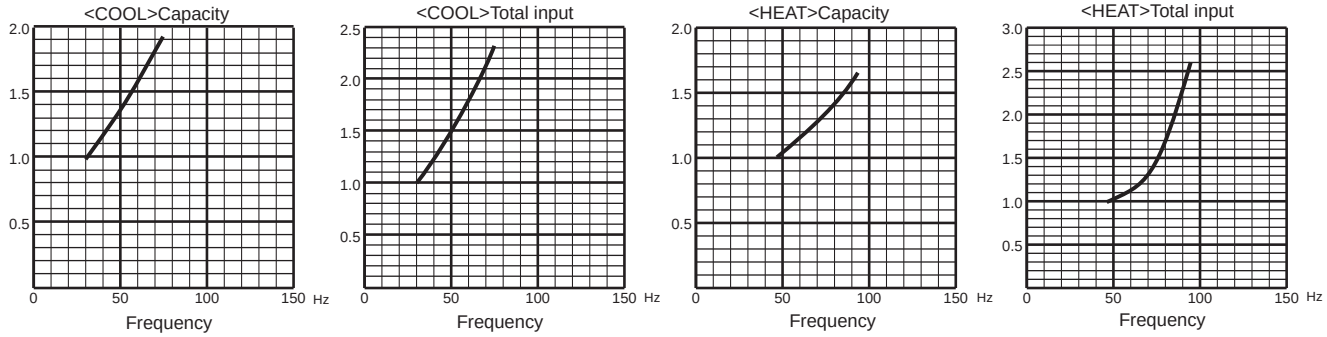

Total input (Cooling)
Input correction factors
1.4 1.3 1.2 1.1 1.0 0.9 0.8 0.7 0.6 0.5 0.4
Indoor intake air Wet-bulb temperature (°C)
18 19 20 16 22 24 26
-10 -5 0 5 10 15 20 25 30 35 40 45 46
Outdoor intake air Dry - bulb temperature (°C)


Heating capacity
Indoor air Dry-bulb temperature difference (°C)
21.3 22.2 29.9 38.4
19.8 20.6 27.8 35.7
18.3 19.0 25.7 32.9
16.7 17.4 23.5 30.2
15.2 15.8 21.4 27.4
13.7 14.3 19.2 24.7
12.2 12.7 17.1 21.9
10.7 11.1 15.0 19.2
9.1 9.5 12.8 16.5
7.6 7.9 10.7 13.7
6.1 6.3 8.6 11.0
25 class
35 class
42 class
50 class
Capacity correction factors
1.4 1.3 1.2 1.1 1.0 0.9 0.8 0.7 0.6 0.5 0.4
Indoor intake air Dry-bulb temperature (°C)
15 20 26
-16 -12 -8 -4 0 4 8 12 16 18
Outdoor intake air Wet - bulb temperature (°C)

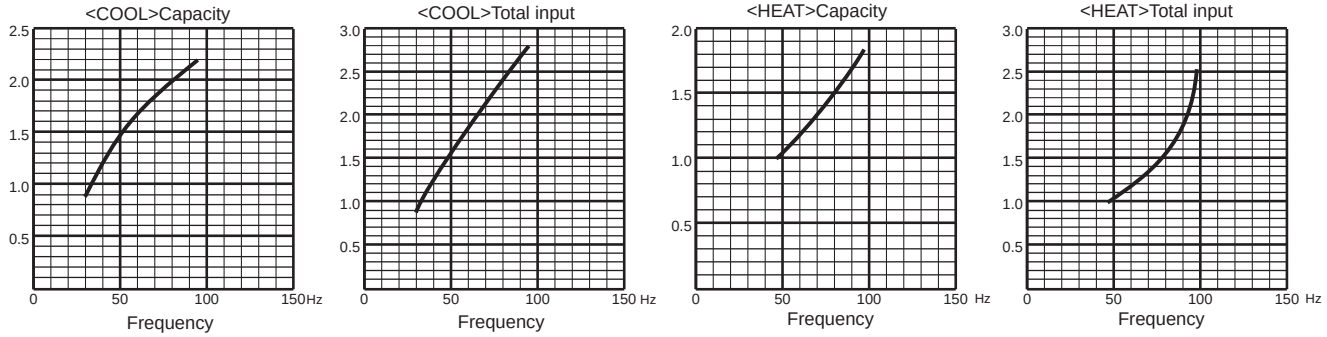

Total input (Heating)
Input correction factors
1.4 1.3 1.2 1.1 1.0 0.9 0.8 0.7 0.6 0.5 0.4
Indoor intake air Dry-bulb temperature (°C)
26 20 15
-16 -12 -8 -4 0 4 8 12 16 18
Outdoor intake air Wet - bulb temperature (°C)

CAPACITY AND INPUT CORRECTION BY INVERTER OUTPUT FREQUENCY
MXZ-2F33VF3

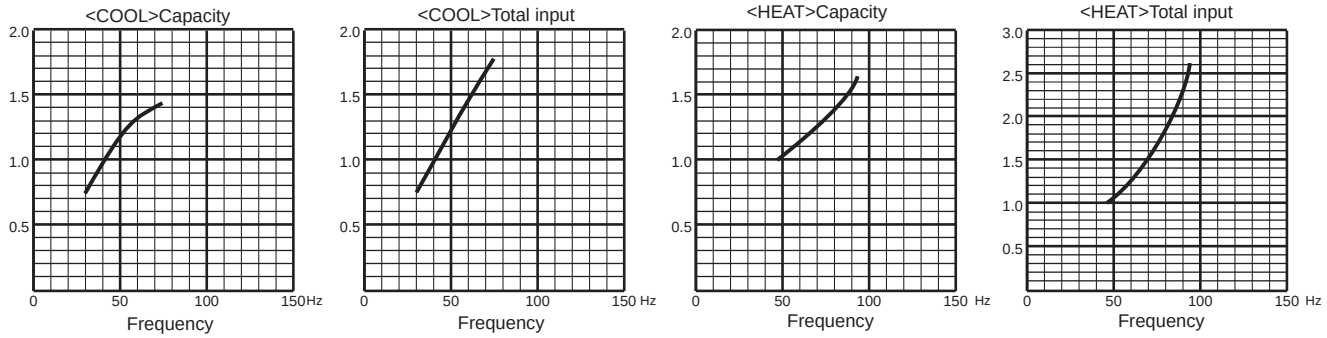
1. 15-class unit in single operation



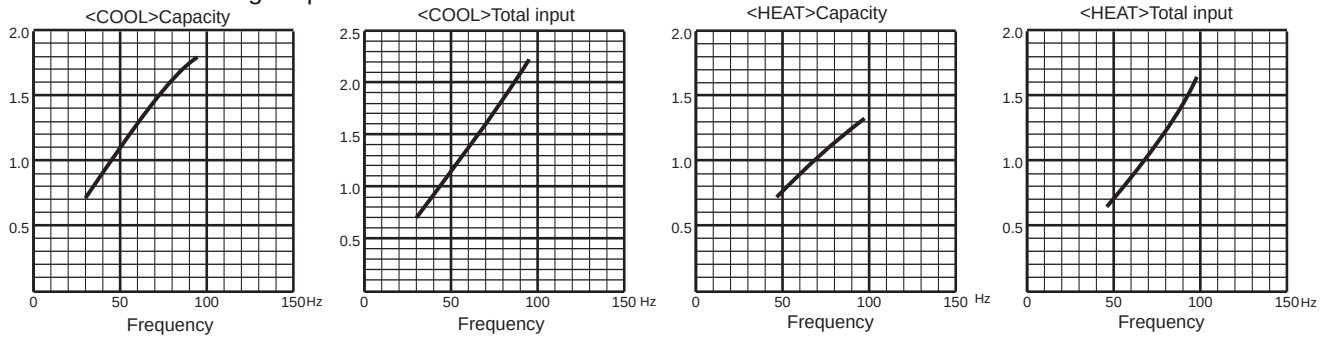
2. 18-class unit in single operation



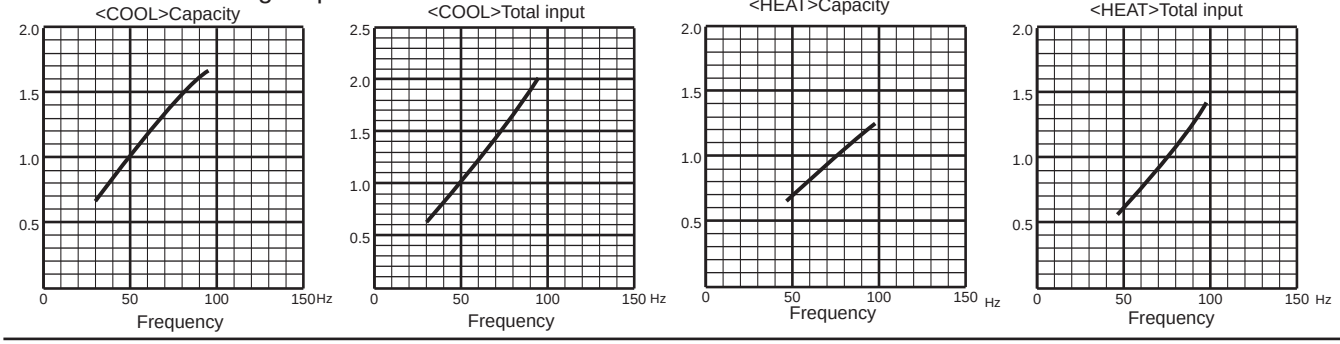
3. 20-class unit in single operation



4. 22-class unit in single operation

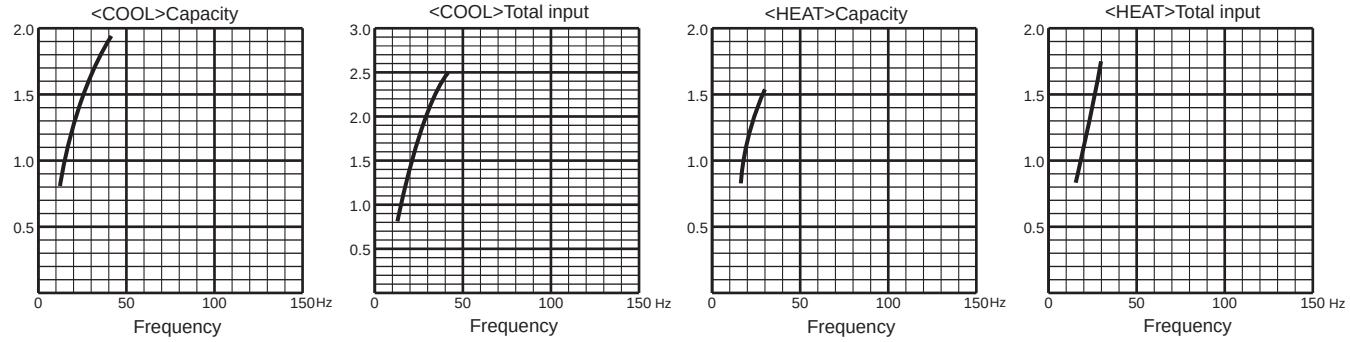


5. 25-class unit in single operation

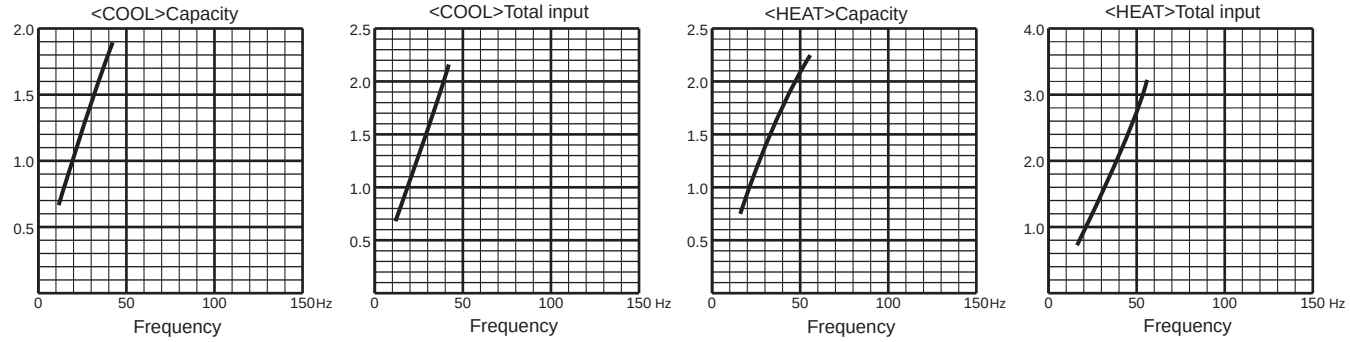


MXZ-2F42VF3

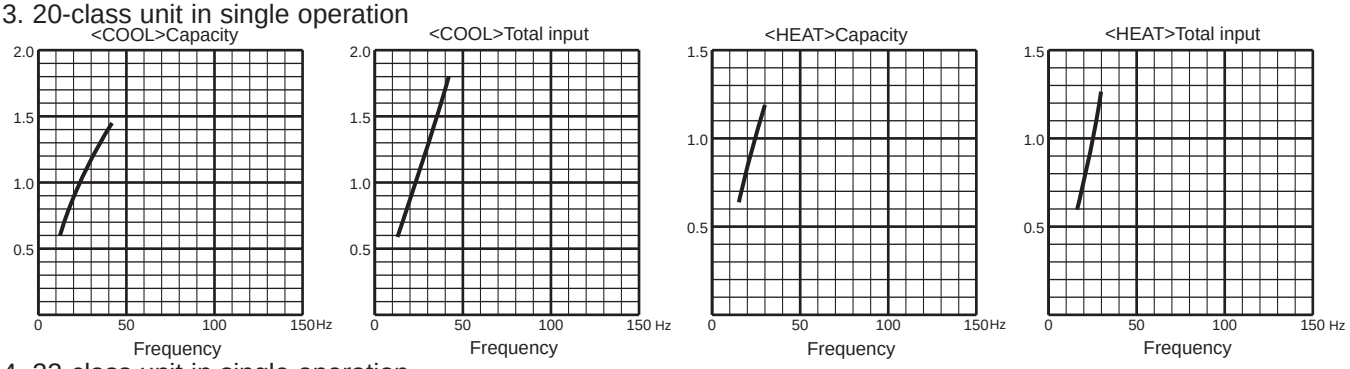
1. 15-class unit in single operation



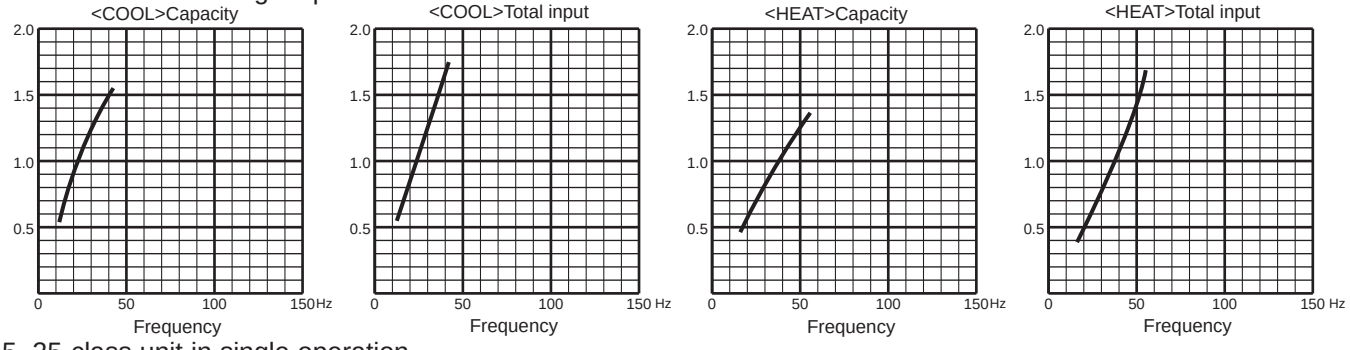
2. 18-class unit in single operation



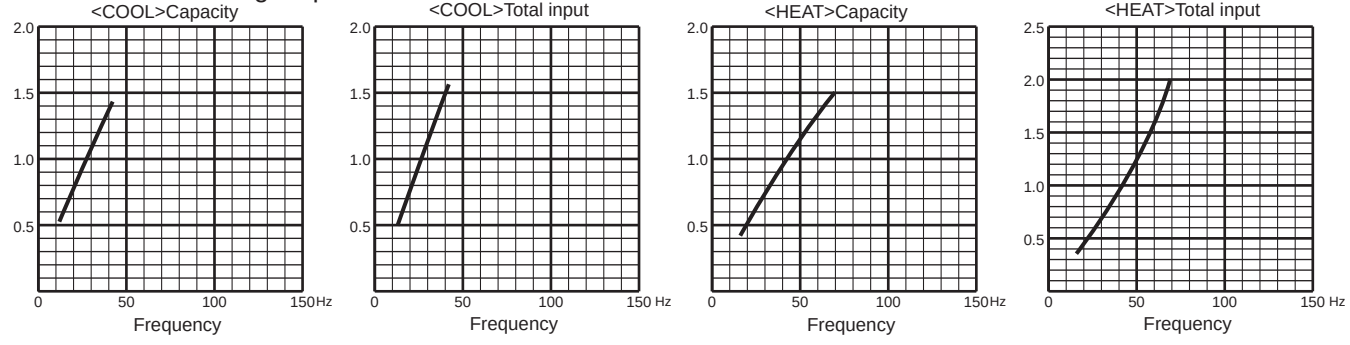
3. 20-class unit in single operation



4. 22-class unit in single operation

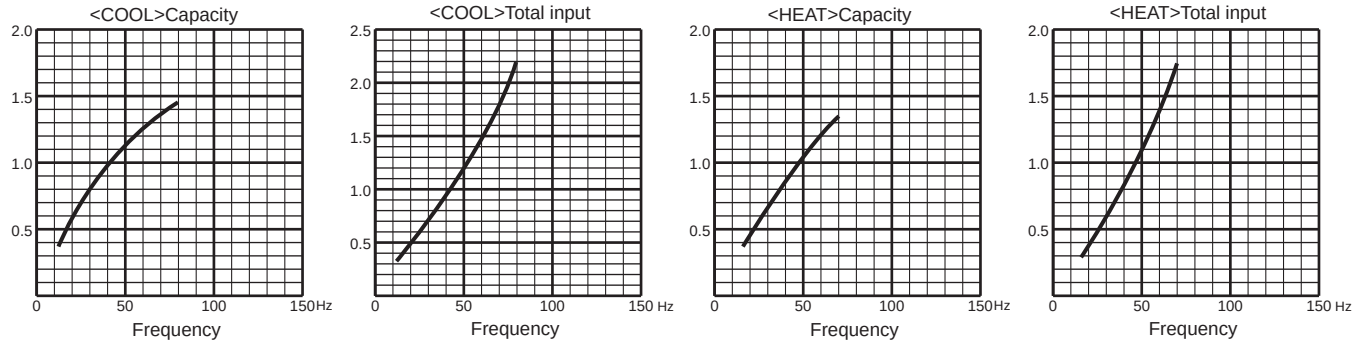


5. 25-class unit in single operation



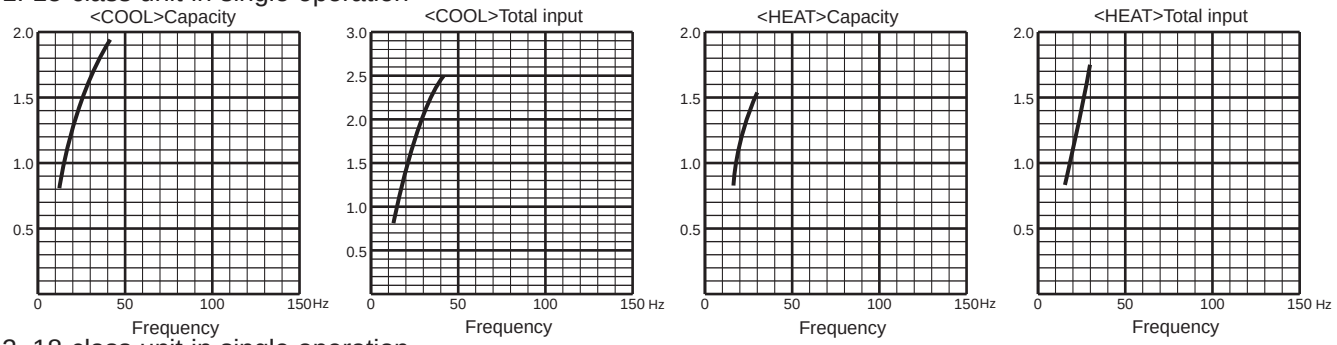
MXZ-2F42VF3

6. 35-class unit in single operation

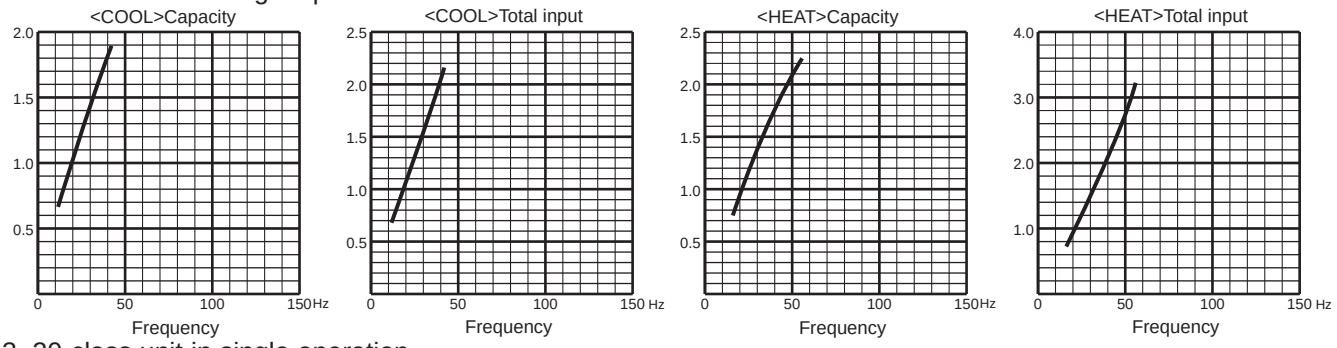


MXZ-2F53VF3 MXZ-2F53VFH3

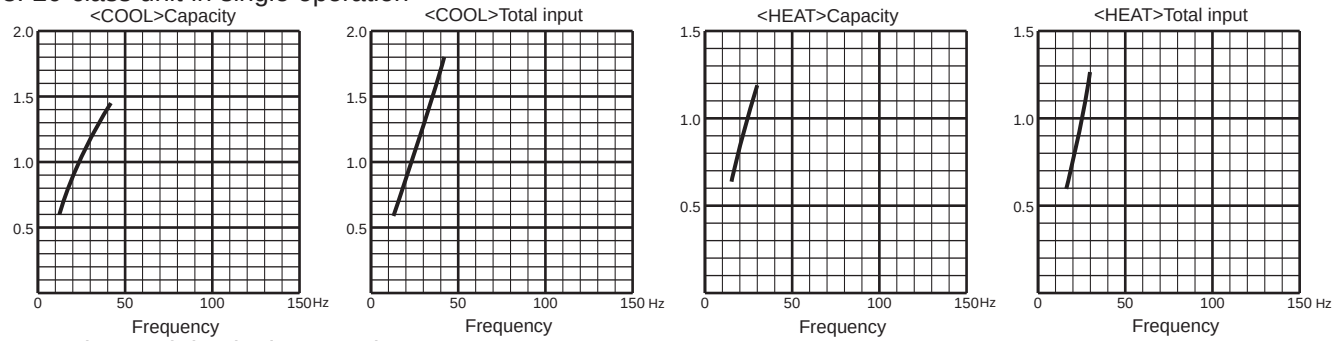
1. 15-class unit in single operation



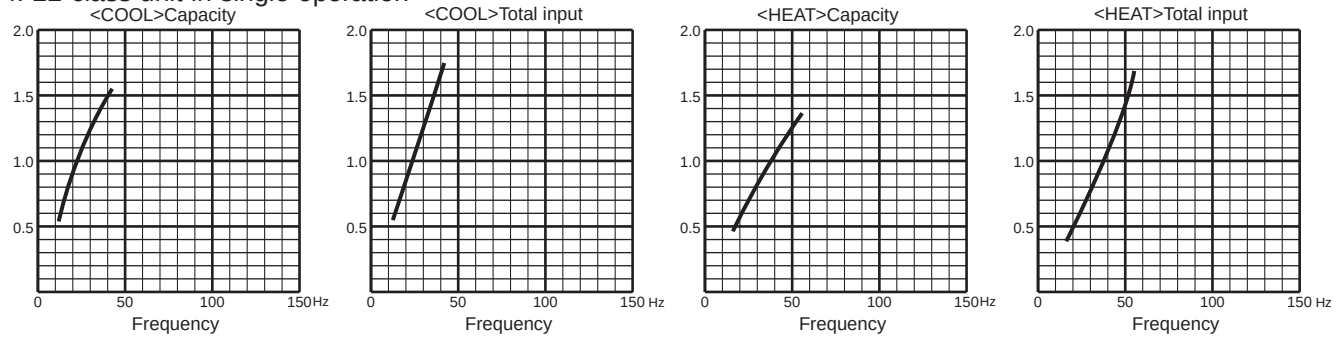
2. 18-class unit in single operation



3. 20-class unit in single operation

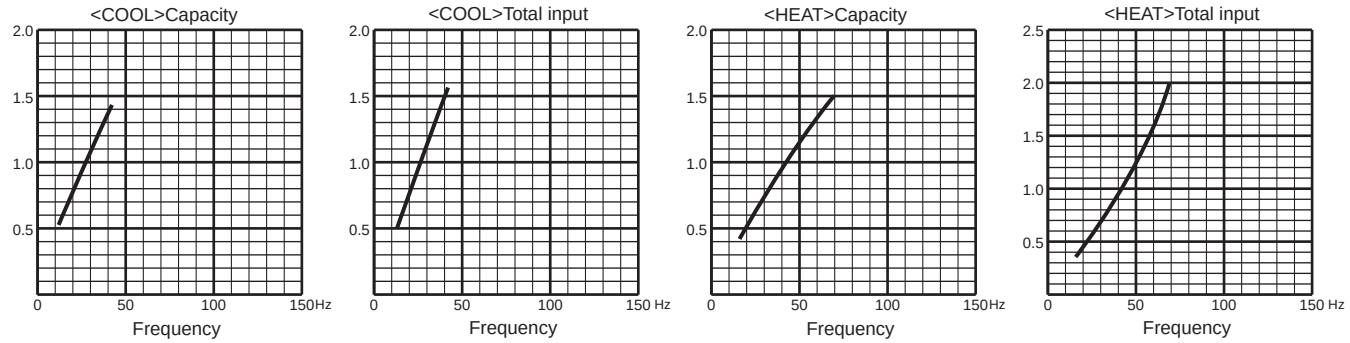


4. 22-class unit in single operation

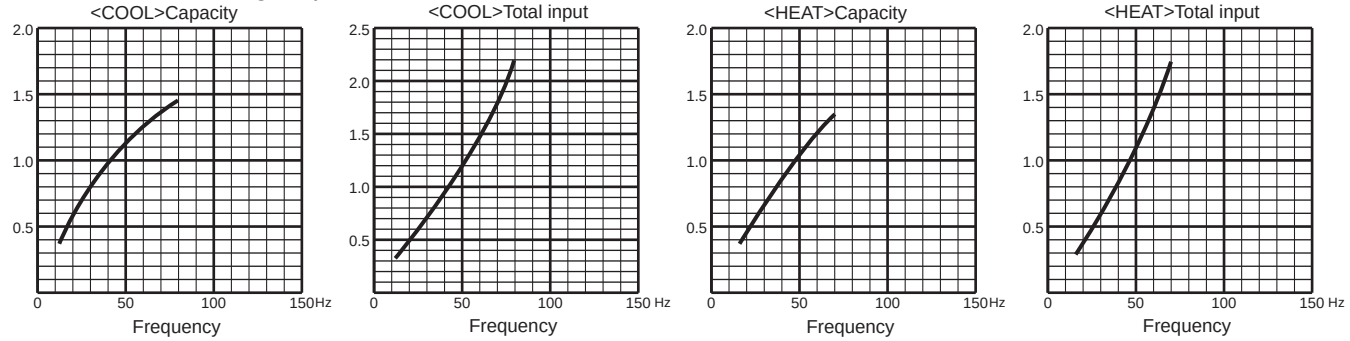


MXZ-2F53VF3 MXZ-2F53VFH3

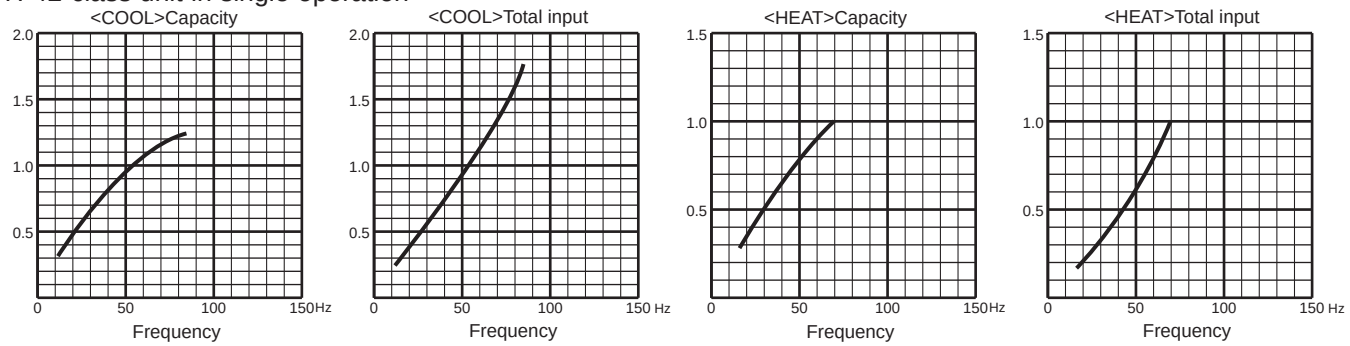
5. 25-class unit in single operation



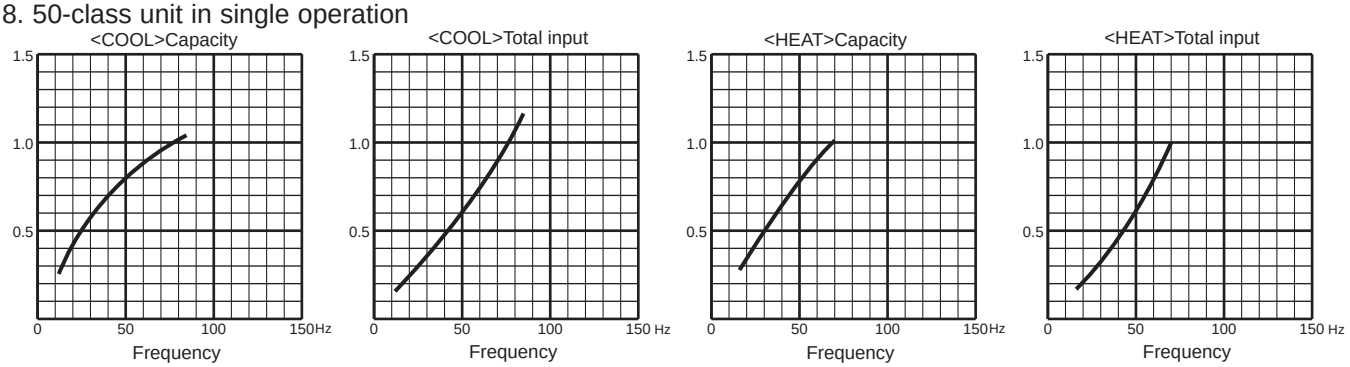
6. 35-class unit in single operation



7. 42-class unit in single operation

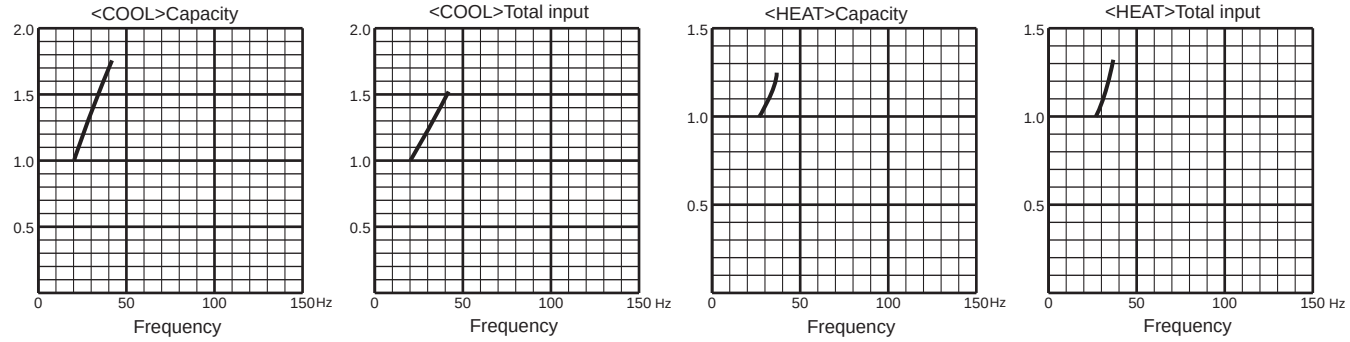


8. 50-class unit in single operation

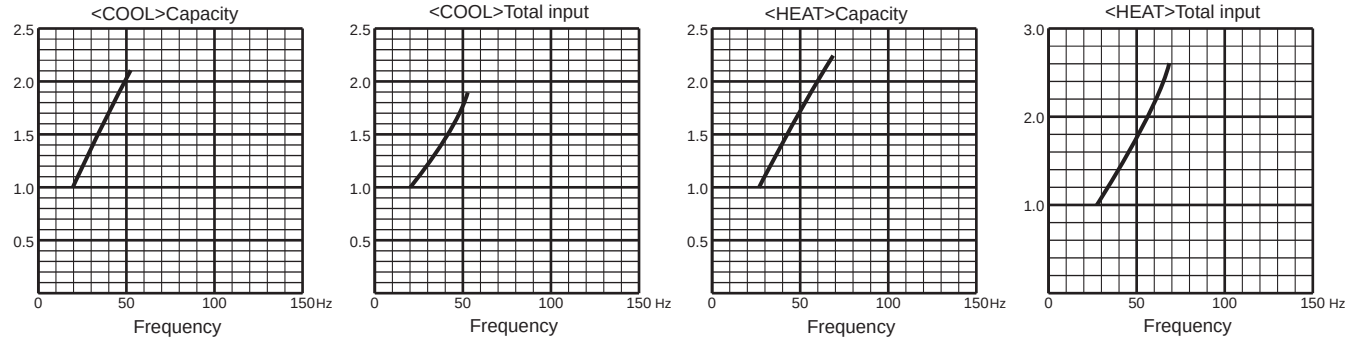


MXZ-3F54VF3

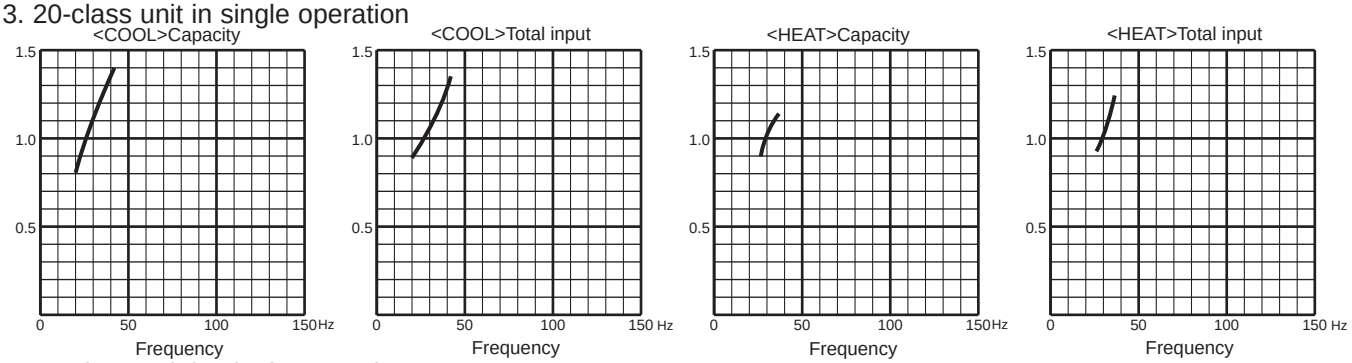
1. 15-class unit in single operation



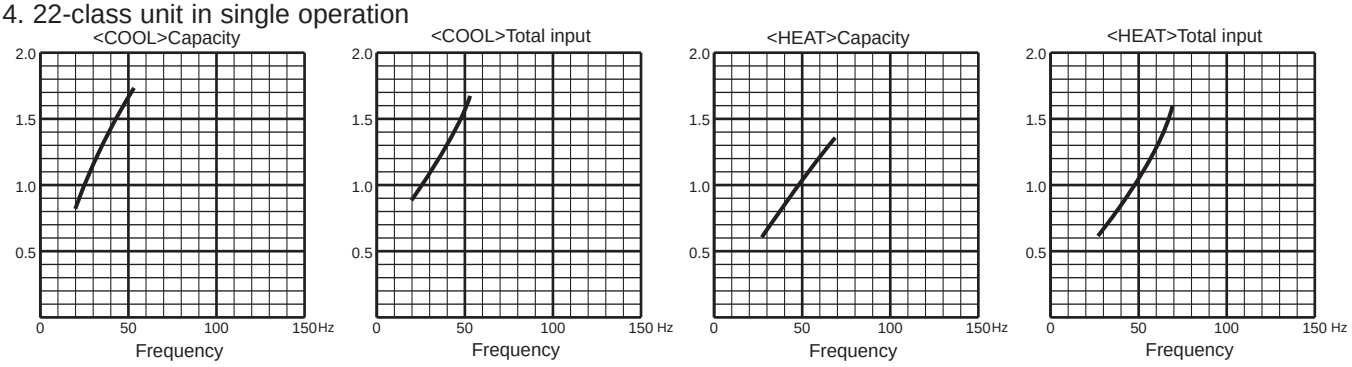
2. 18-class unit in single operation



3. 20-class unit in single operation

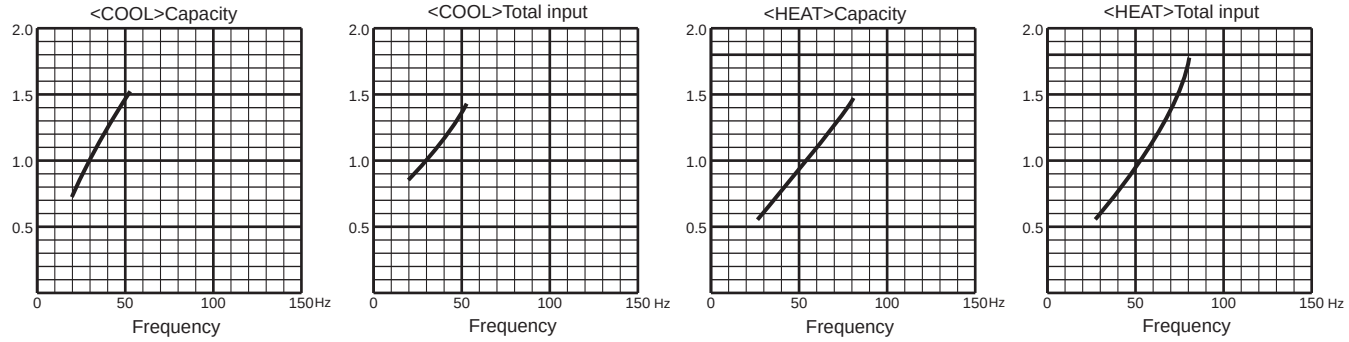


4. 22-class unit in single operation

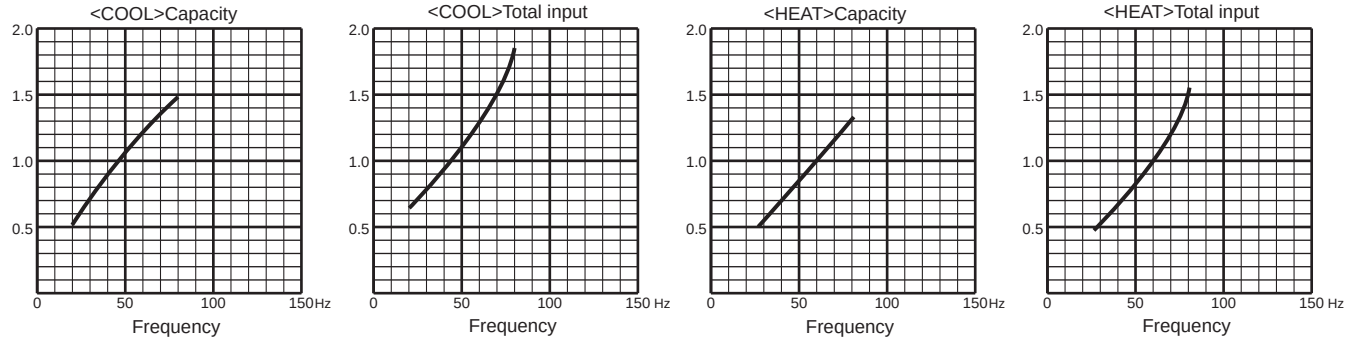


MXZ-3F54VF3

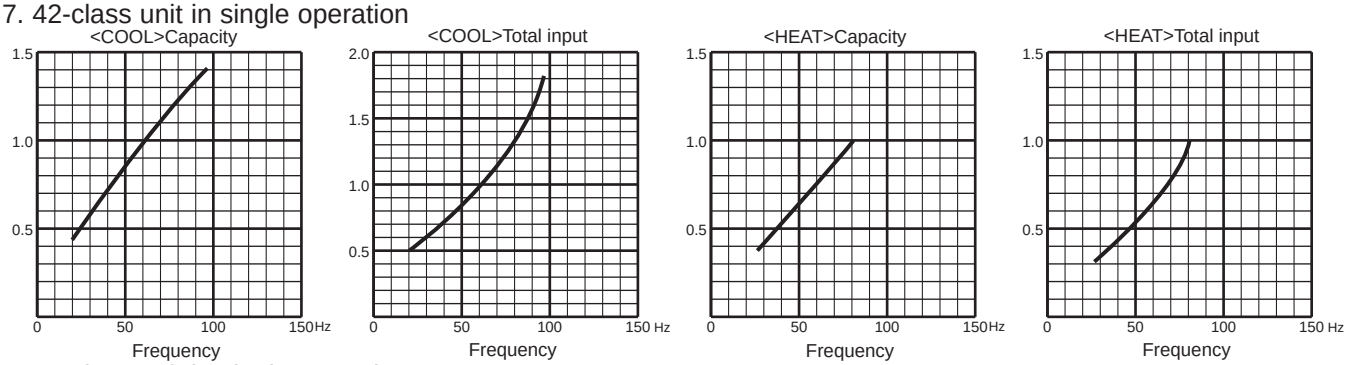
5. 25-class unit in single operation



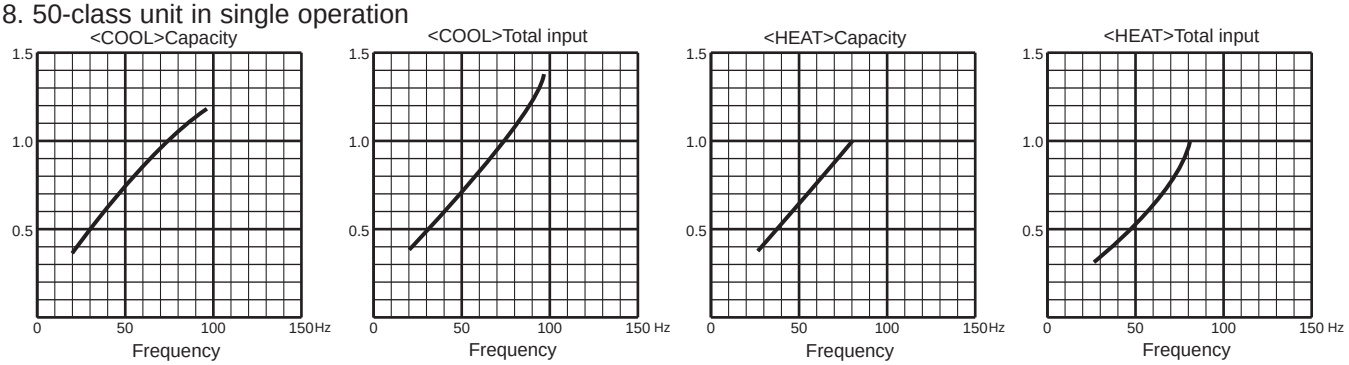
6. 35-class unit in single operation



7. 42-class unit in single operation

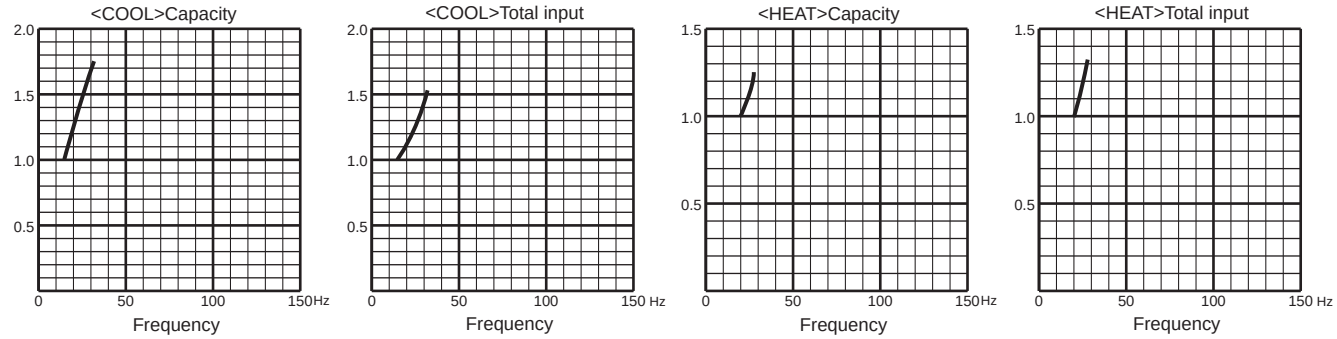


8. 50-class unit in single operation

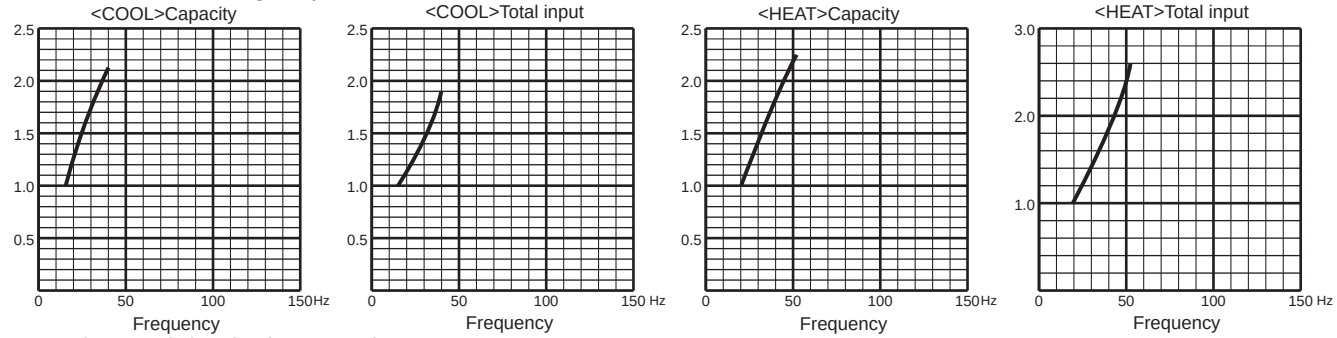


MXZ-3F68VF3

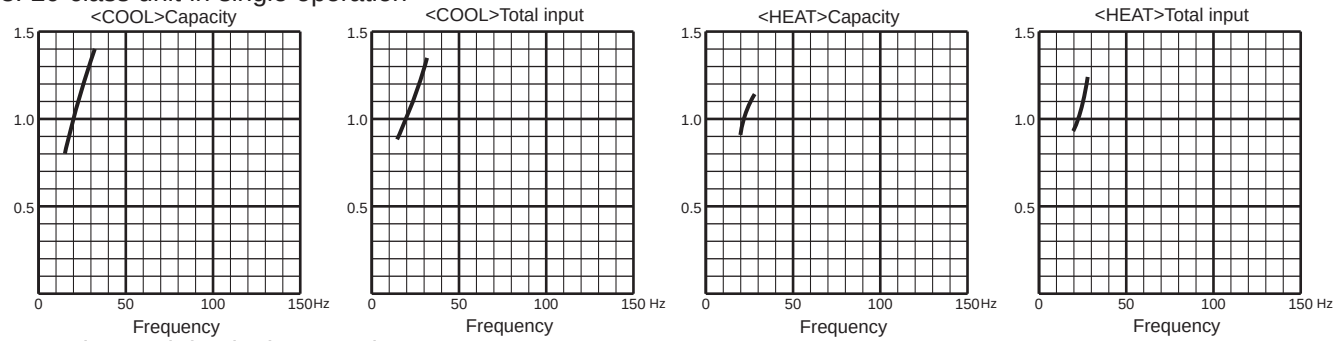
1. 15-class unit in single operation



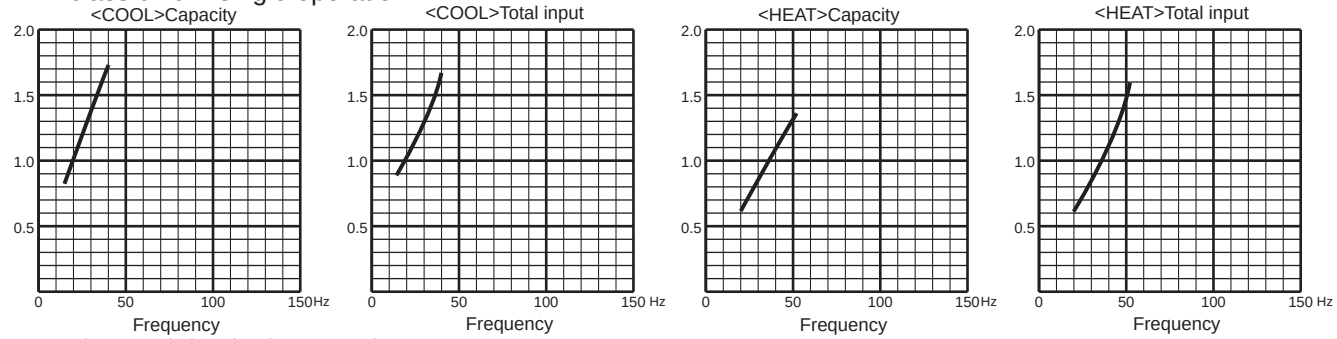
2. 18-class unit in single operation



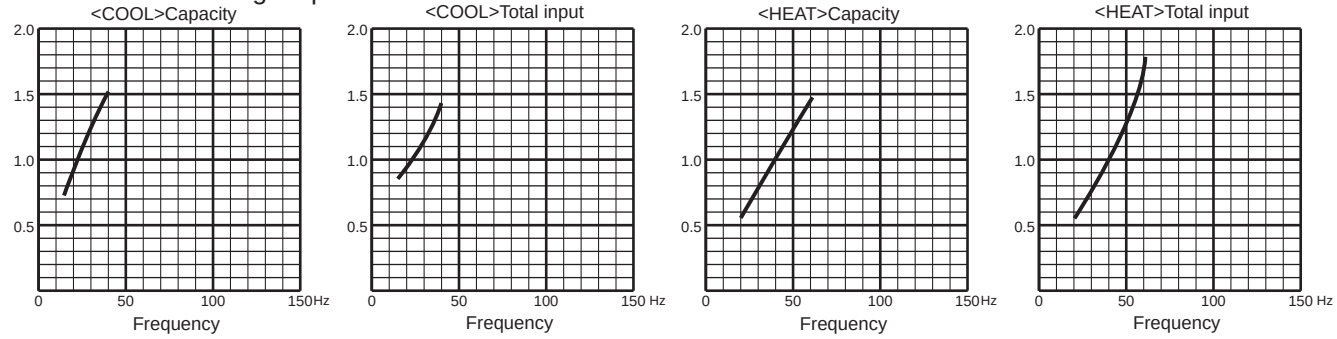
3. 20-class unit in single operation



4. 22-class unit in single operation

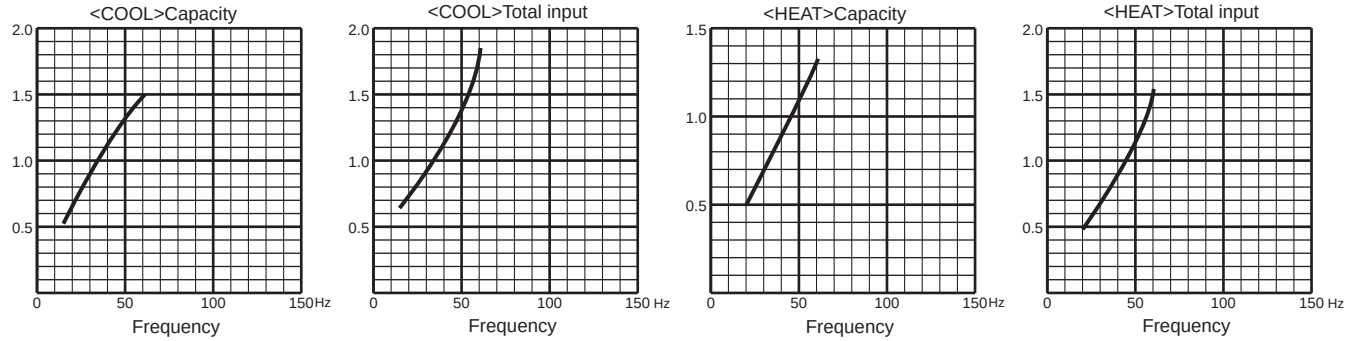


5. 25-class unit in single operation

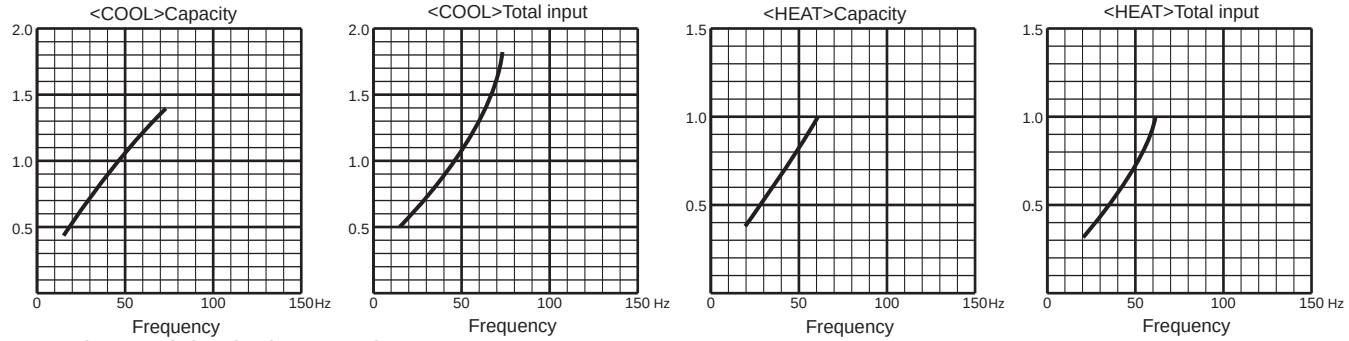


MXZ-3F68VF3

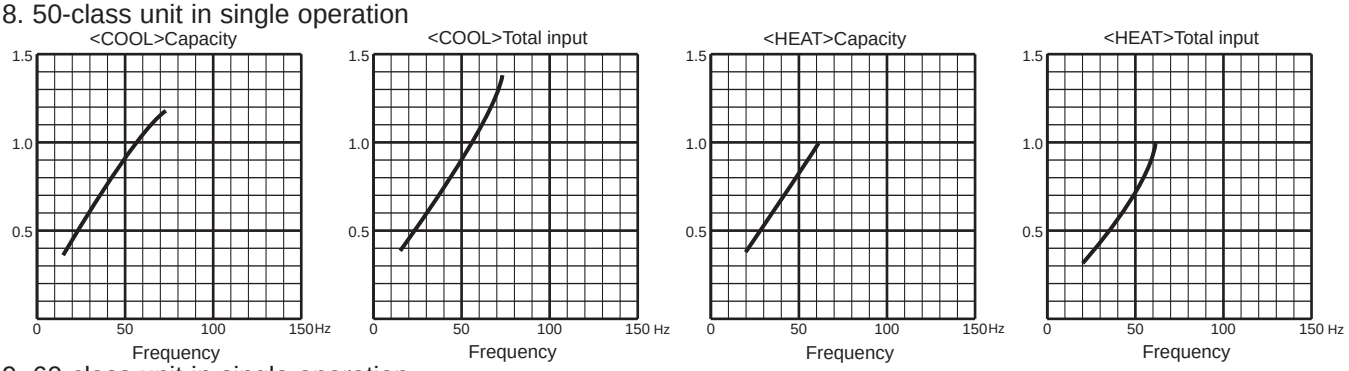
6. 35-class unit in single operation



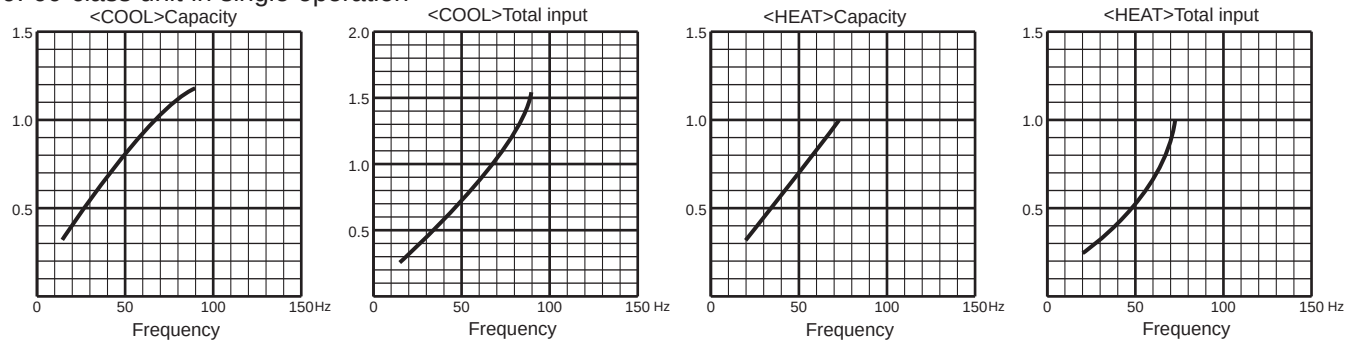
7. 42-class unit in single operation



8. 50-class unit in single operation

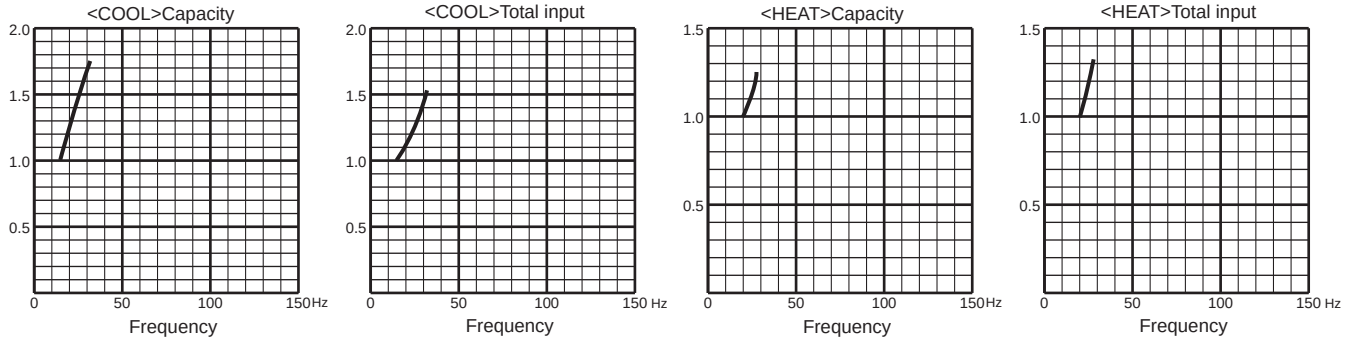


9. 60-class unit in single operation

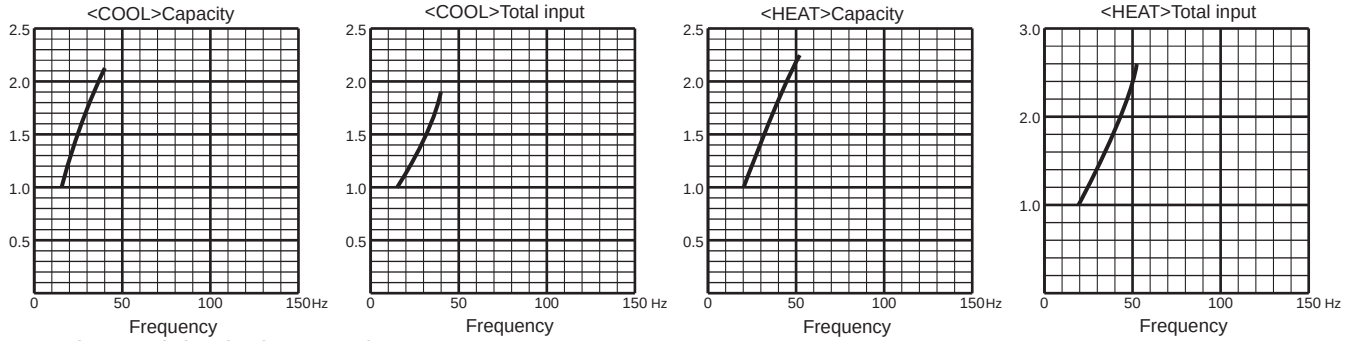


MXZ-4F72VF3

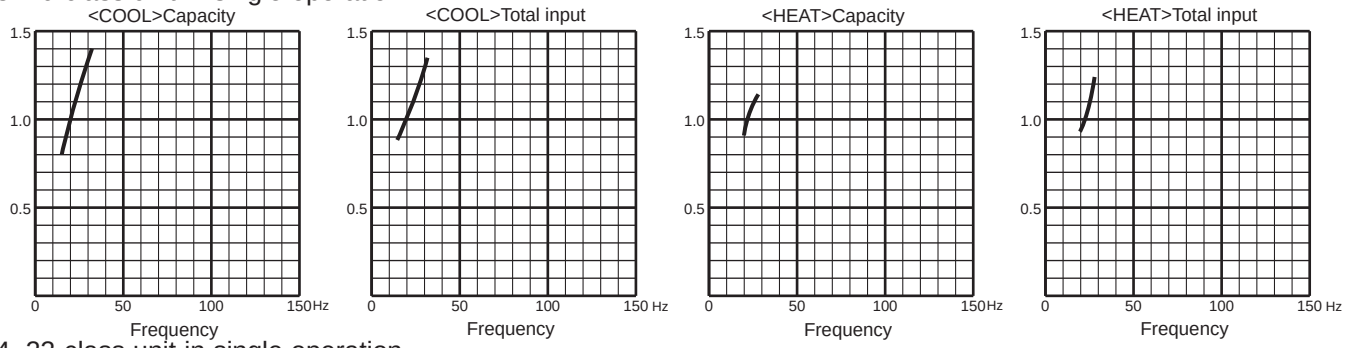
1. 15-class unit in single operation



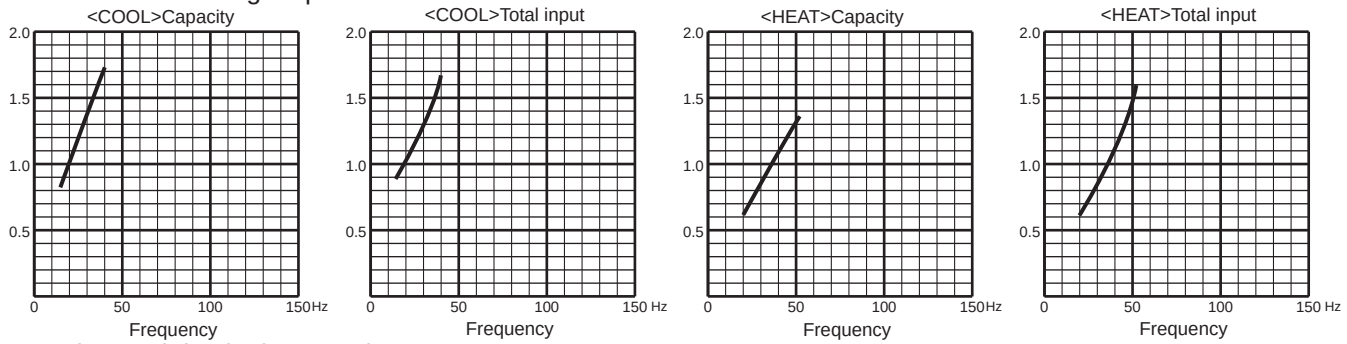
2. 18-class unit in single operation



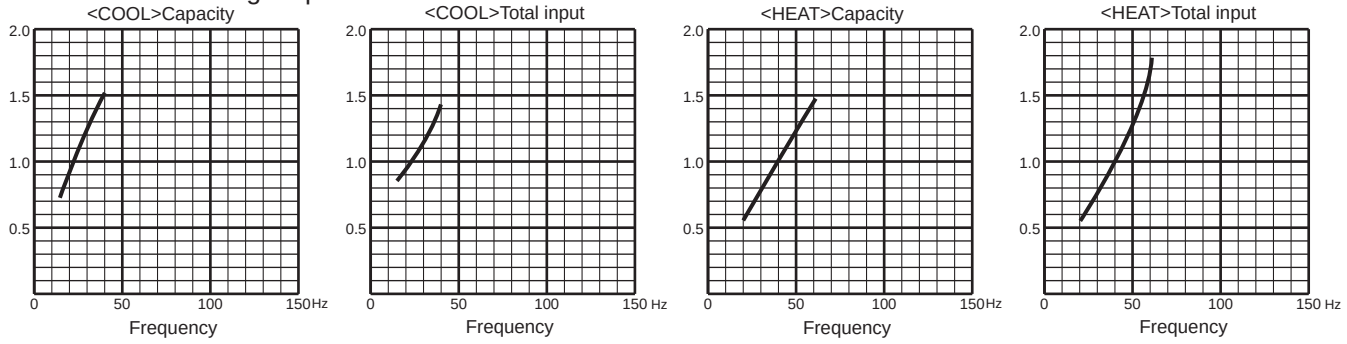
3. 20-class unit in single operation



4. 22-class unit in single operation

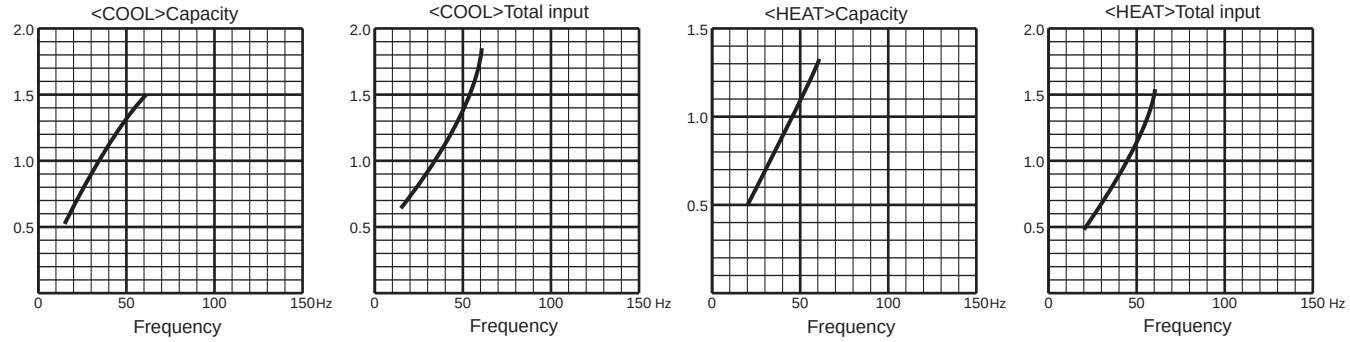


5. 25-class unit in single operation

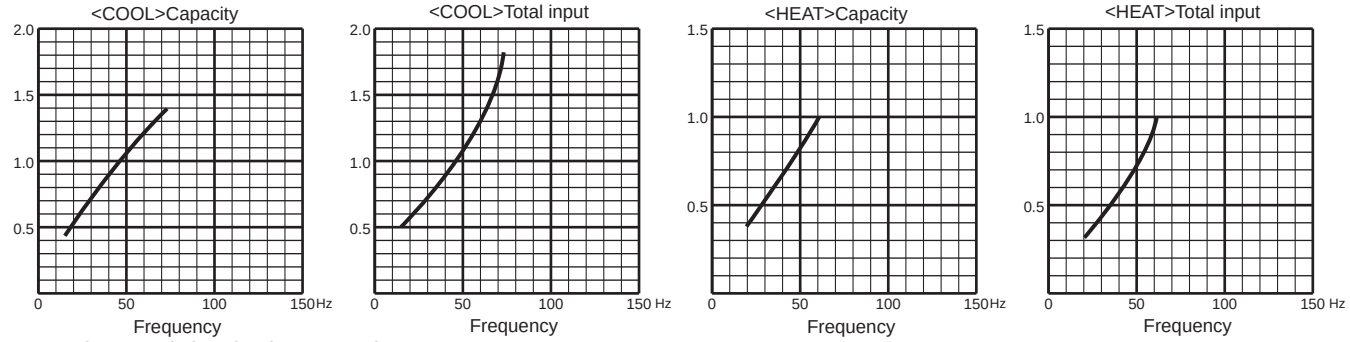


MXZ-4F72VF3

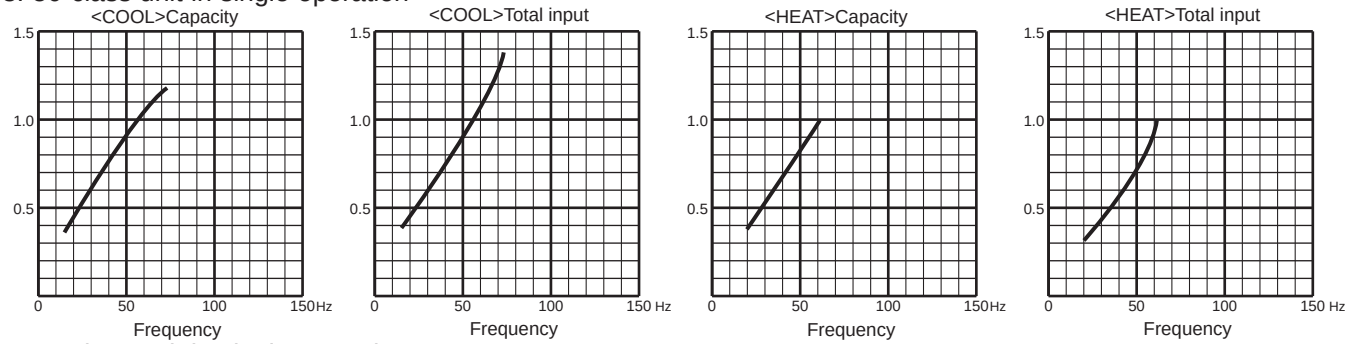
6. 35-class unit in single operation



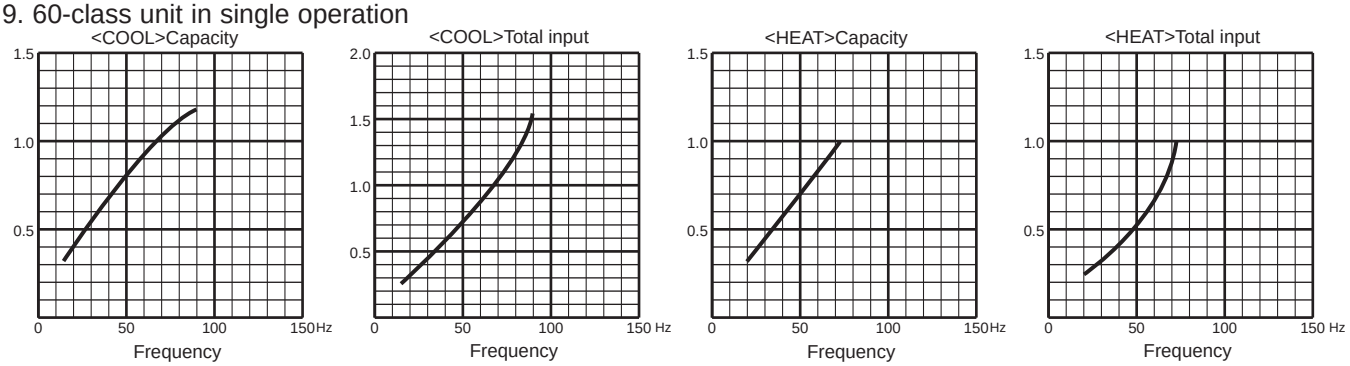
7. 42-class unit in single operation



8. 50-class unit in single operation

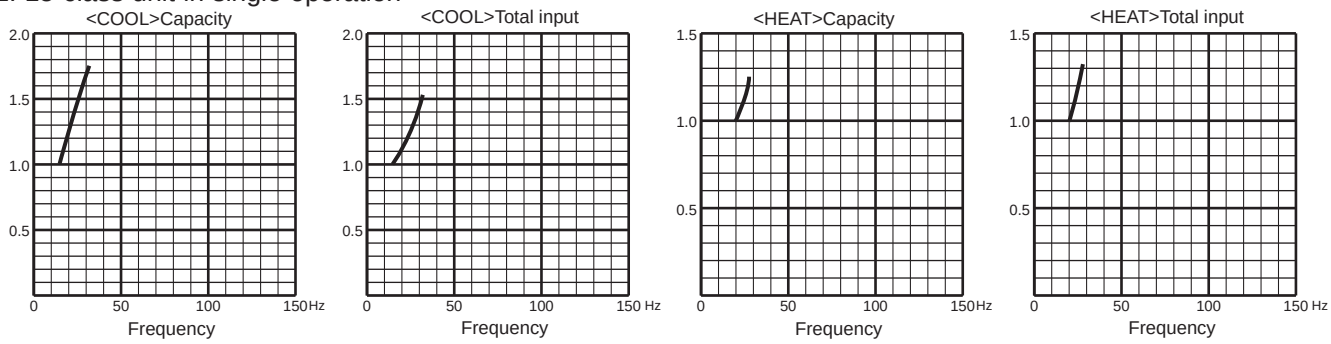


9. 60-class unit in single operation

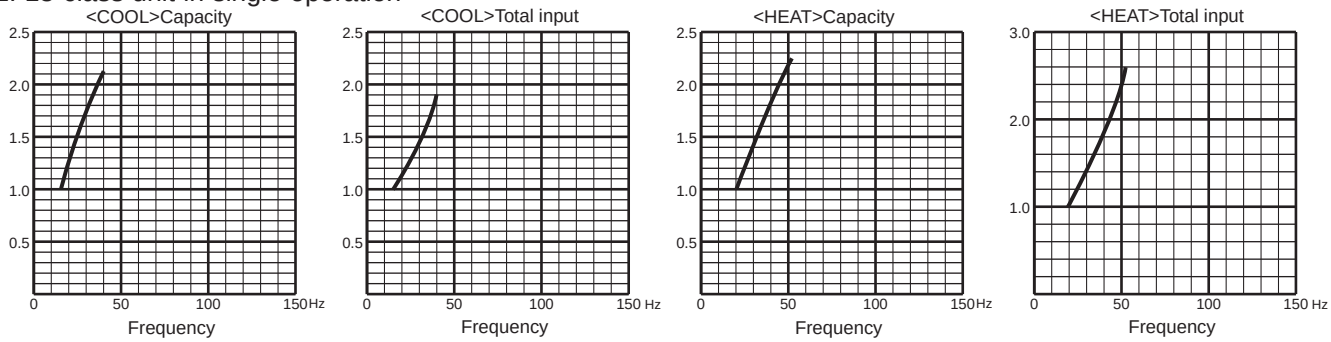


MXZ-4F80VF3

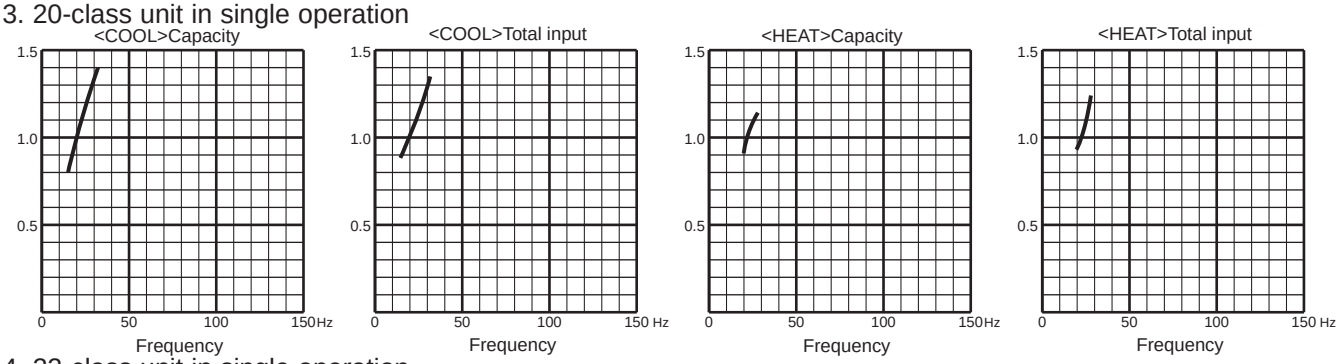
1. 15-class unit in single operation



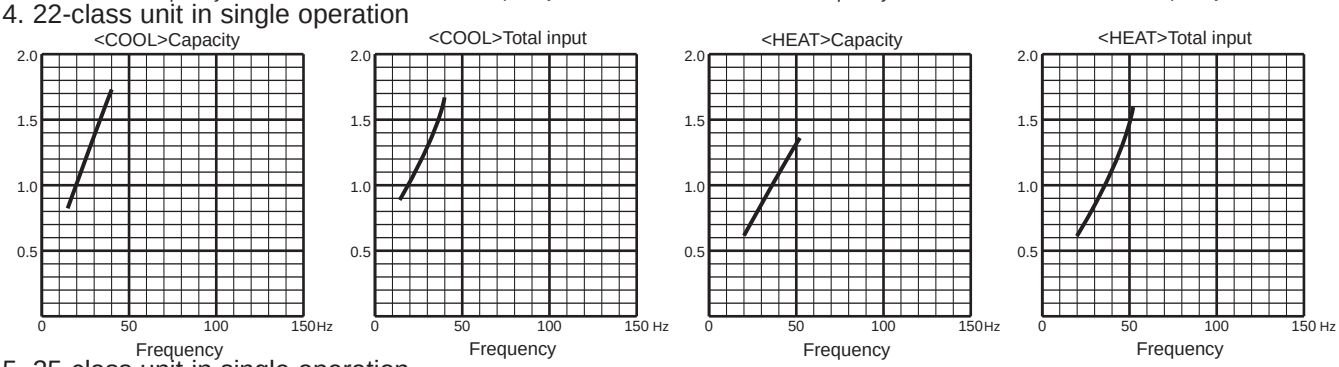
2. 18-class unit in single operation



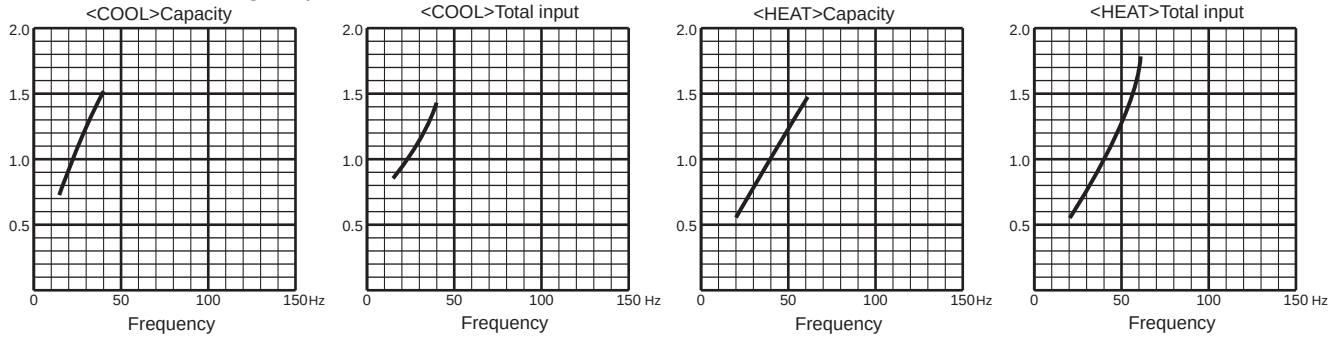
3. 20-class unit in single operation



4. 22-class unit in single operation

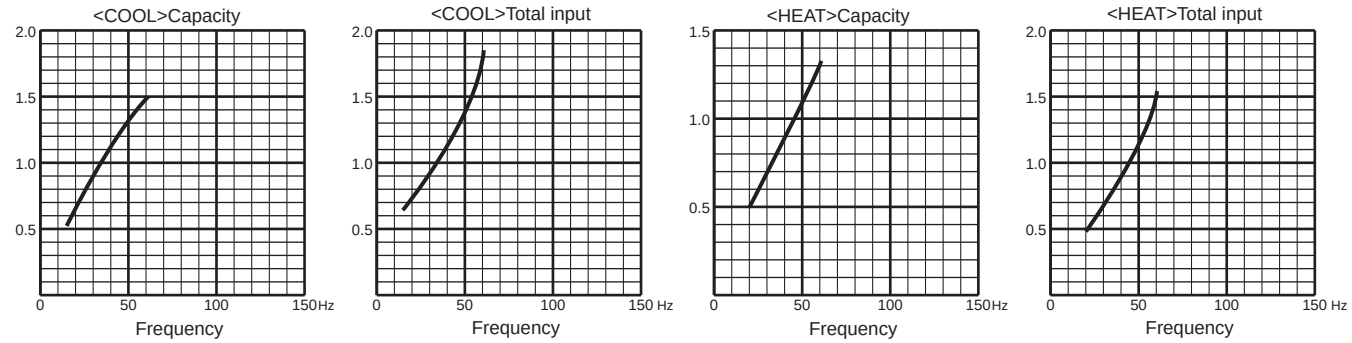


5. 25-class unit in single operation

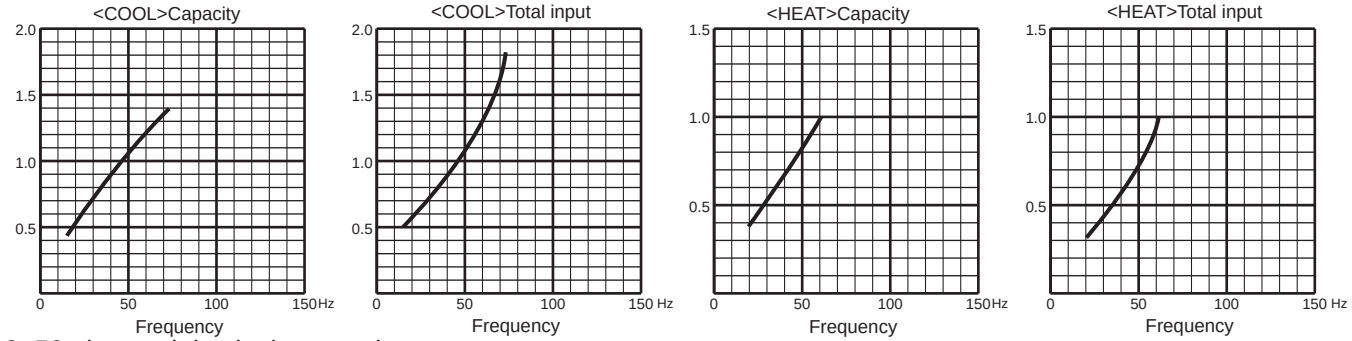


MXZ-4F80VF3

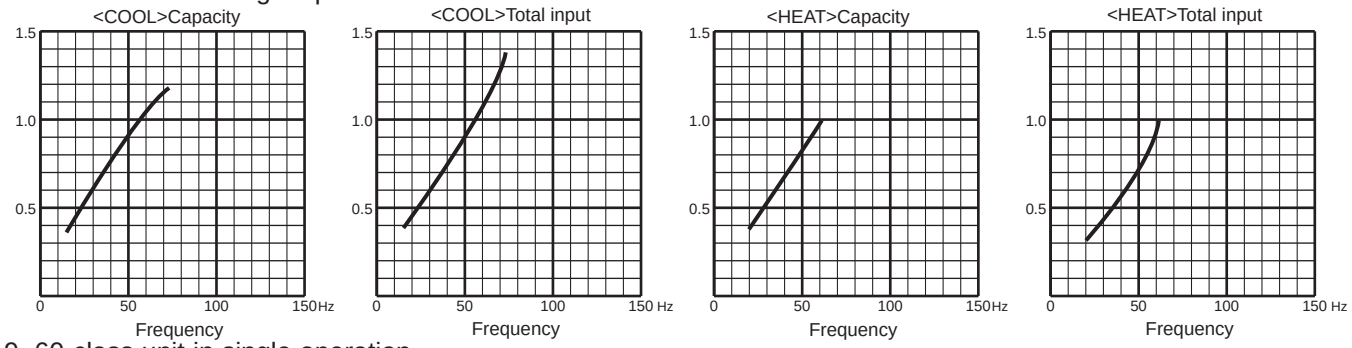
6. 35-class unit in single operation



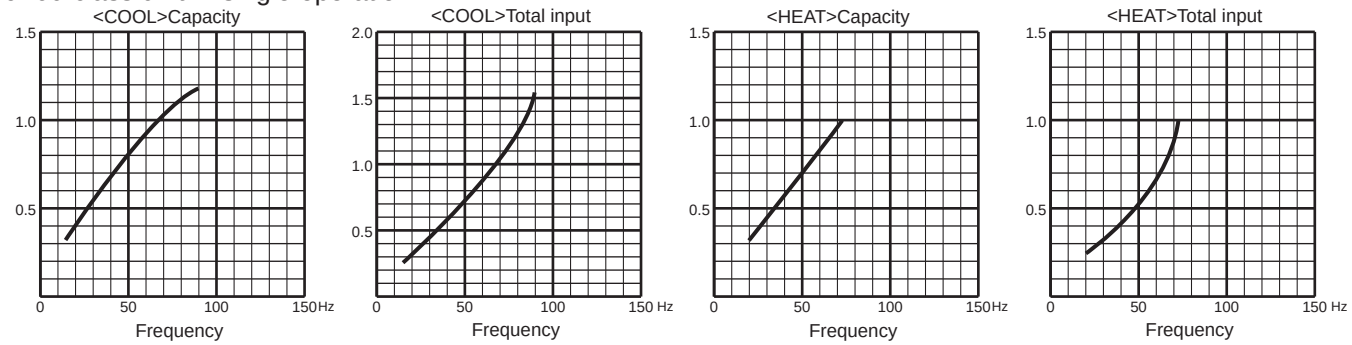
7. 42-class unit in single operation



8. 50-class unit in single operation

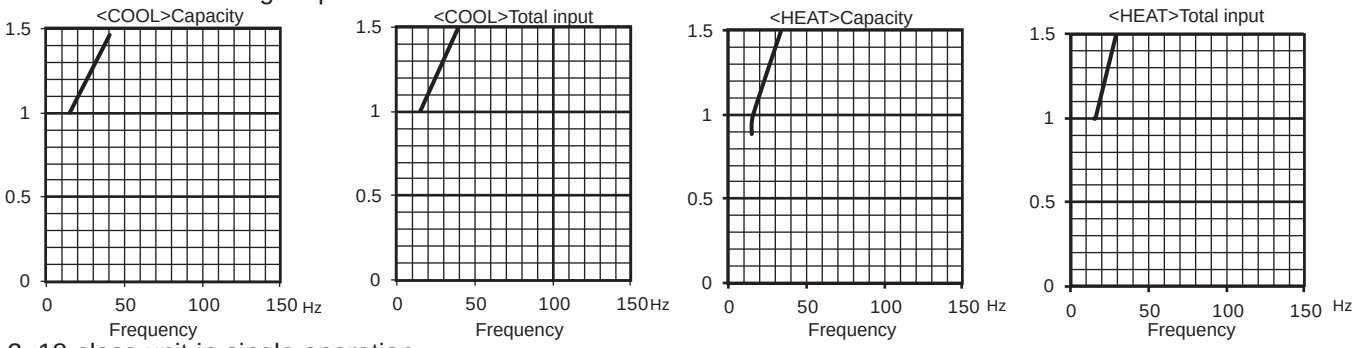


9. 60-class unit in single operation

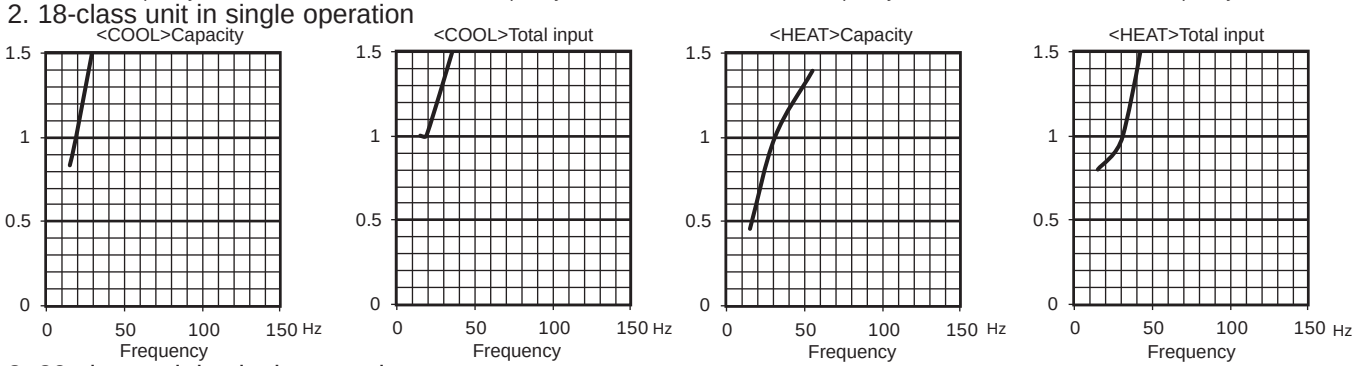


MXZ-4F83VF

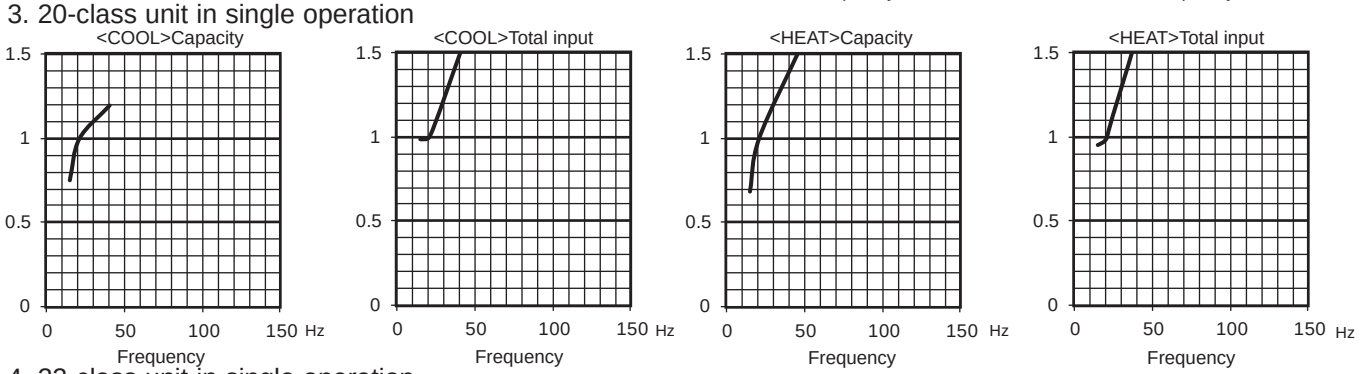
1. 15-class unit in single operation



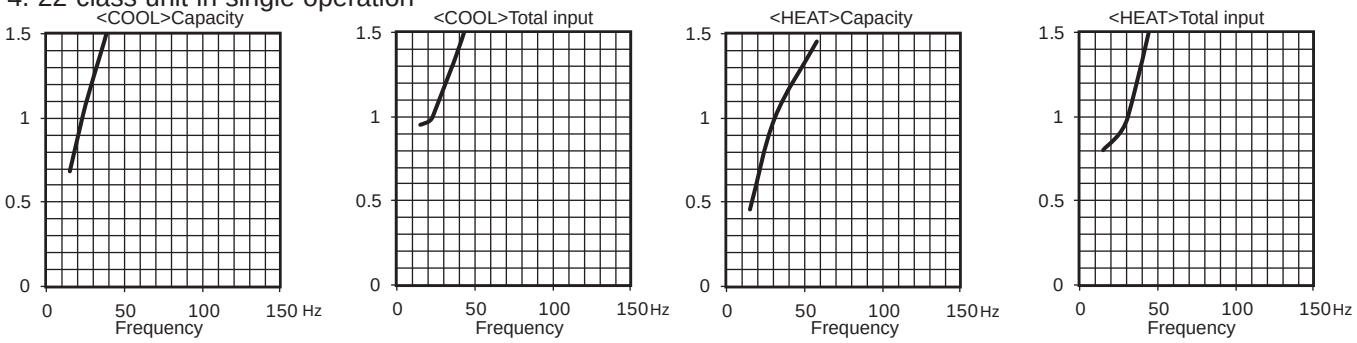
2. 18-class unit in single operation



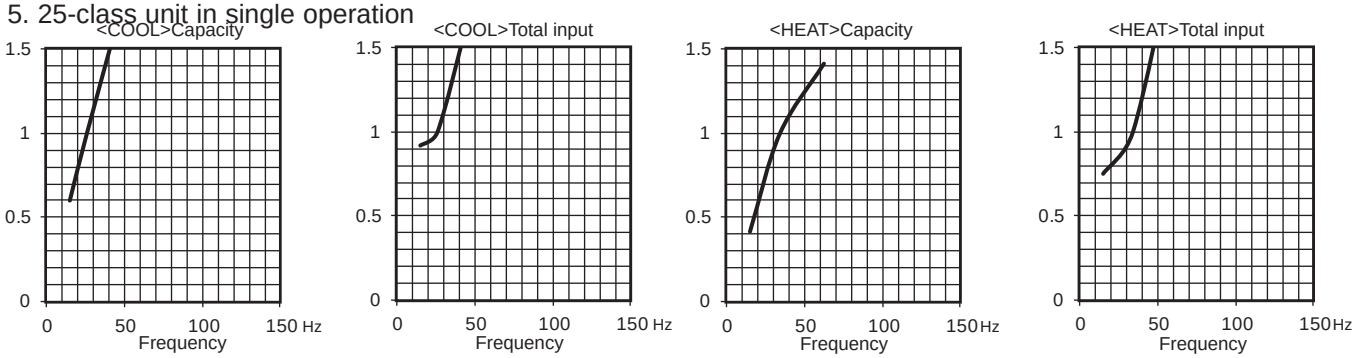
3. 20-class unit in single operation



4. 22-class unit in single operation

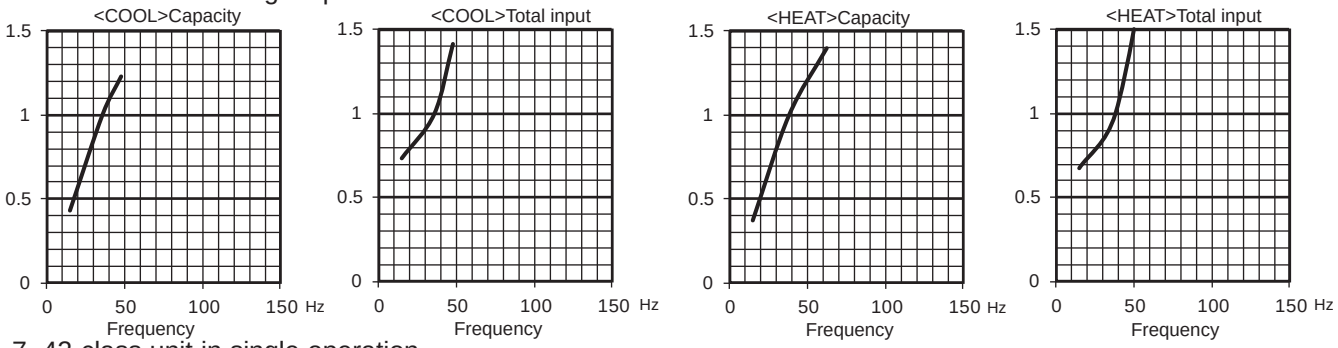


5. 25-class unit in single operation

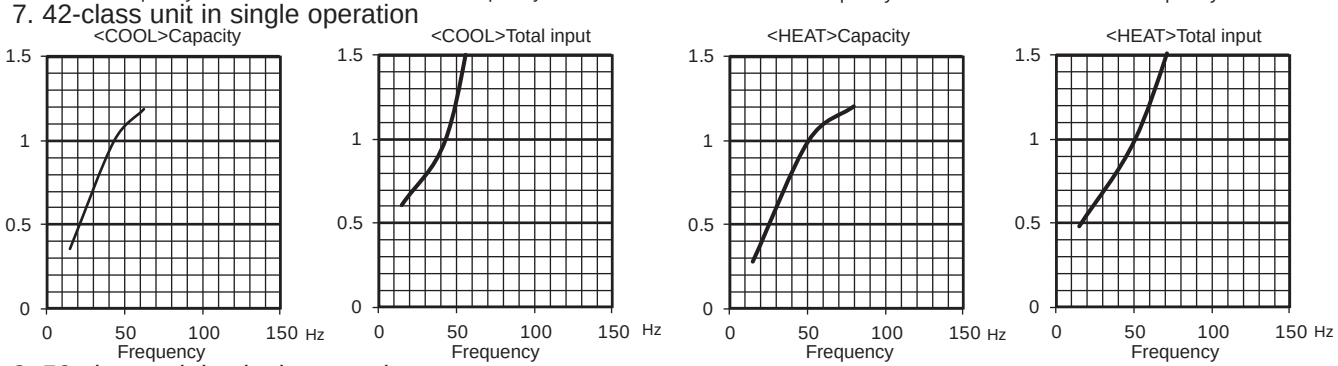


MXZ-4F83VF

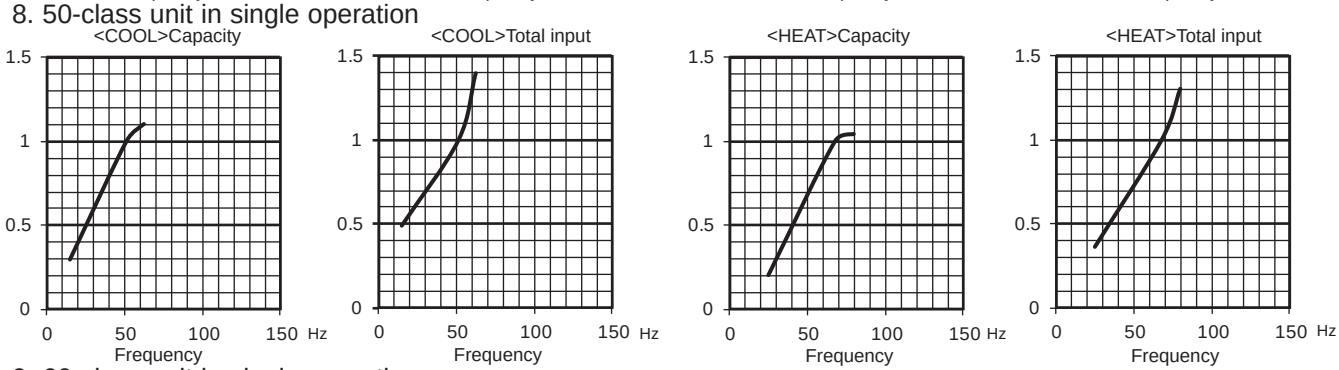
6. 35-class unit in single operation



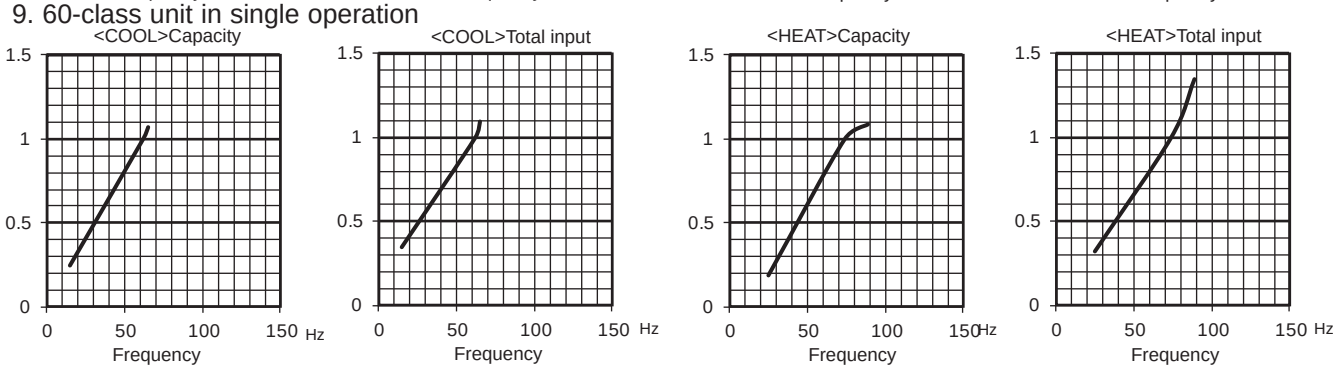
7. 42-class unit in single operation



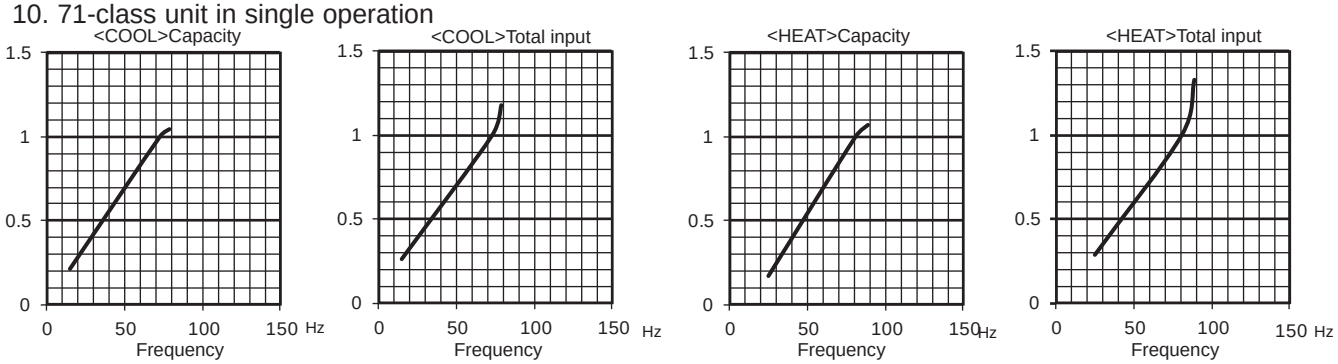
8. 50-class unit in single operation



9. 60-class unit in single operation

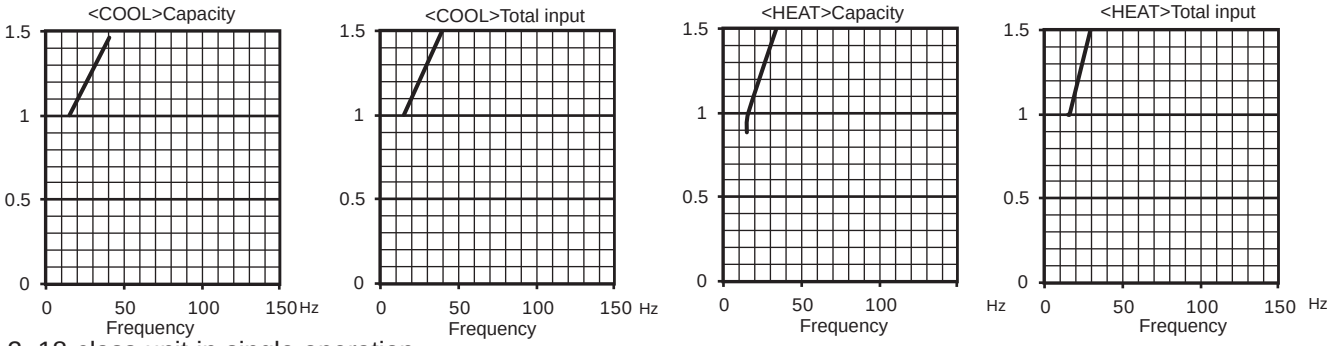


10. 71-class unit in single operation

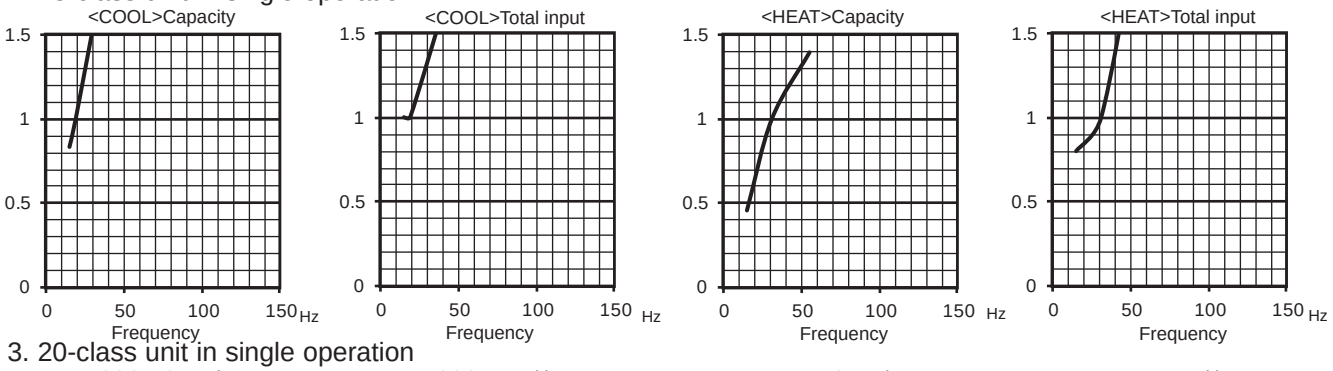


MXZ-5F102VF

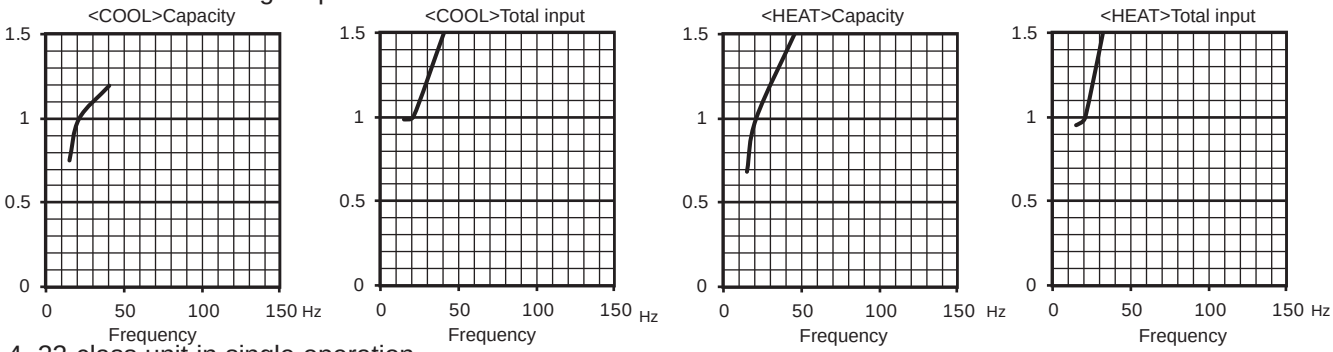
1. 15-class unit in single operation



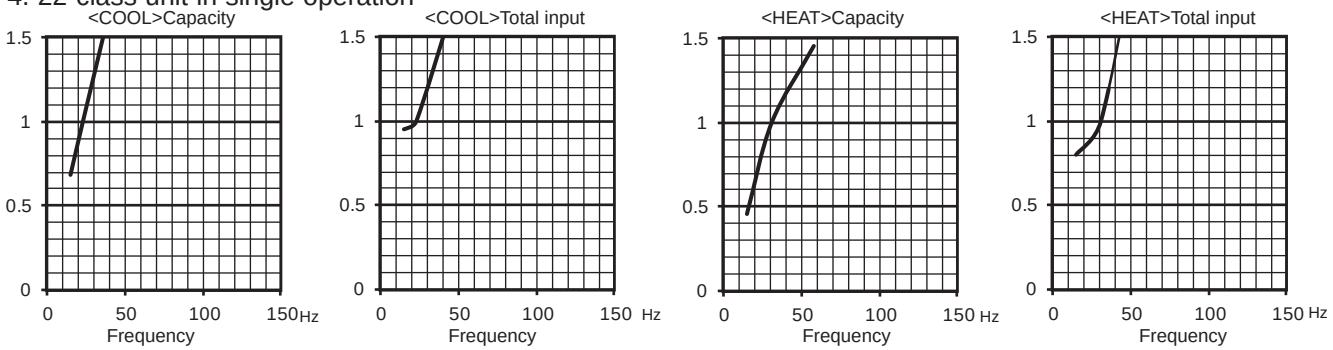
2. 18-class unit in single operation



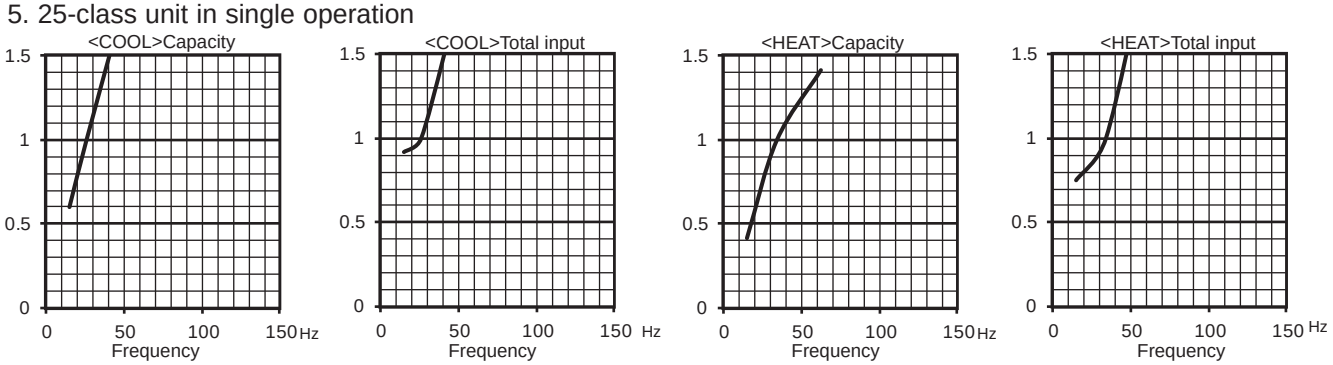
3. 20-class unit in single operation



4. 22-class unit in single operation

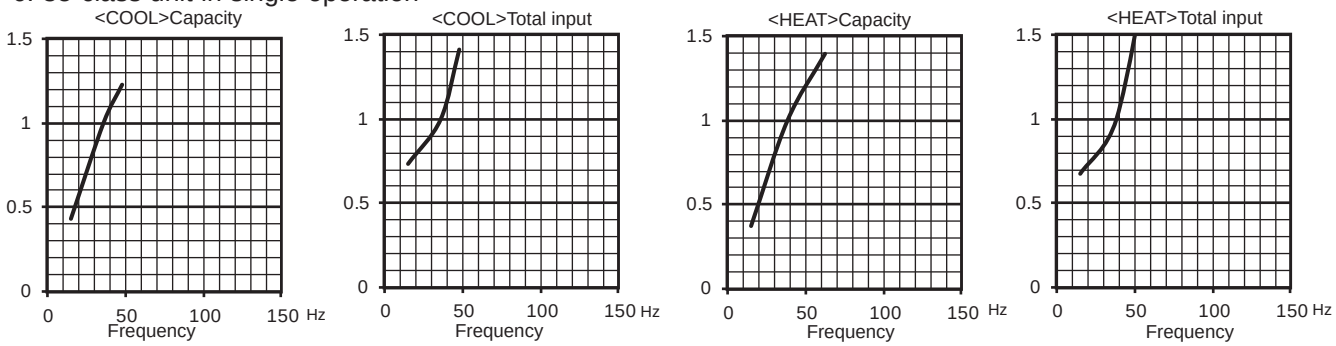


5. 25-class unit in single operation

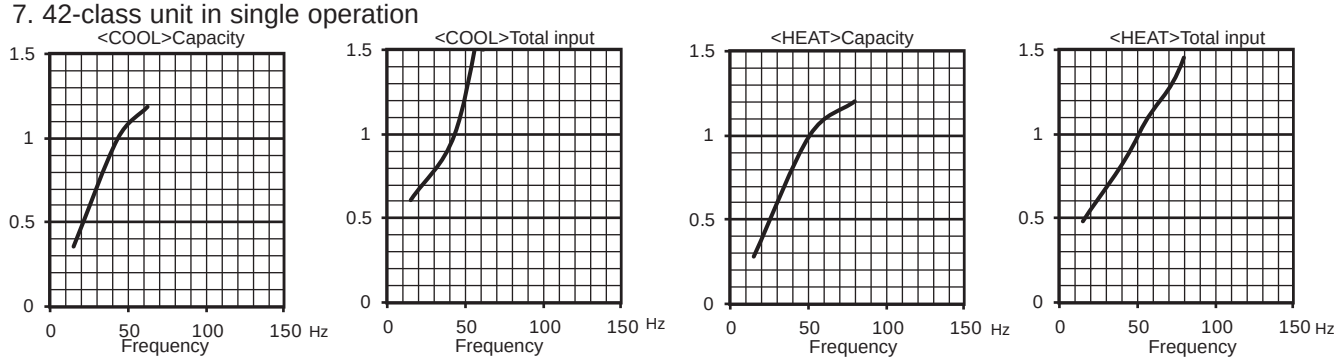


MXZ-5F102VF

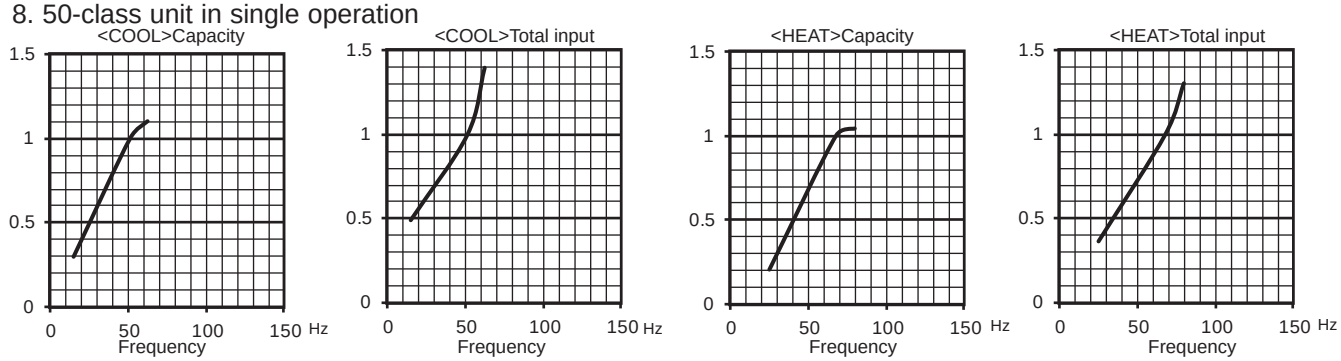
6. 35-class unit in single operation



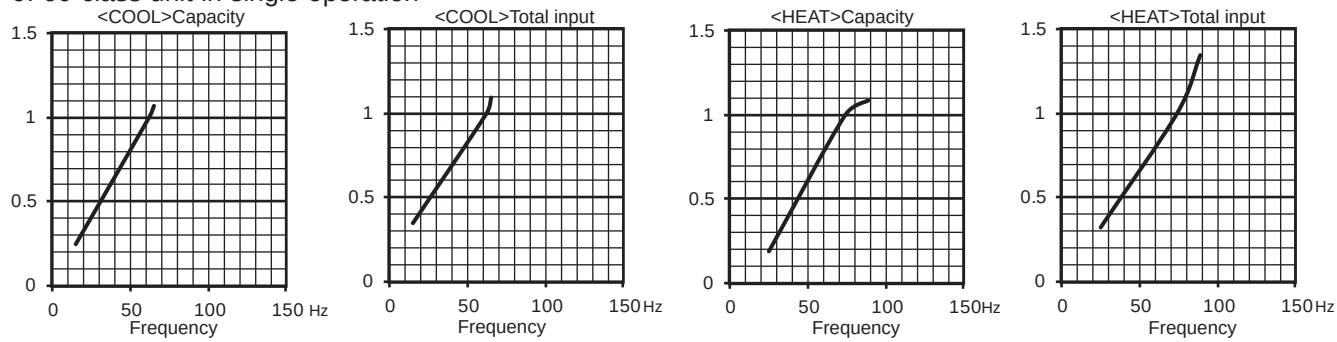
7. 42-class unit in single operation



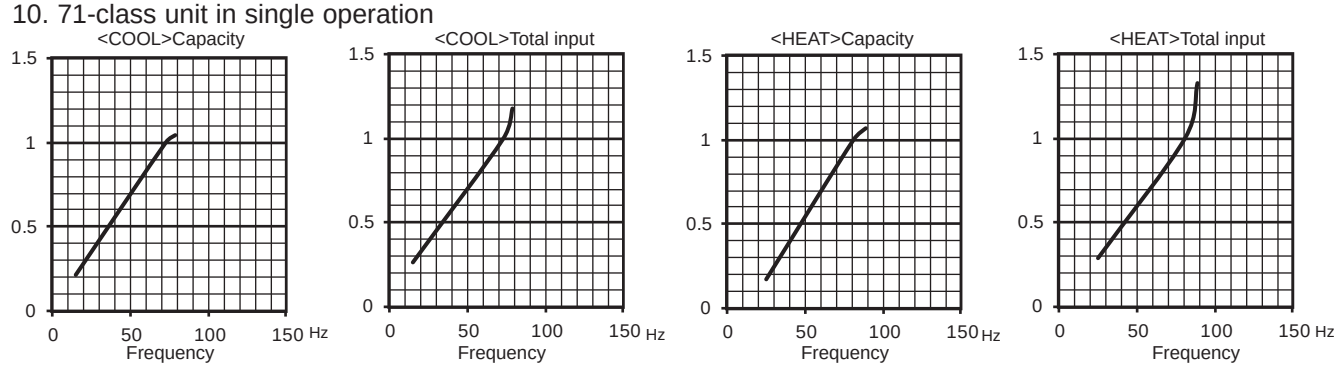
8. 50-class unit in single operation



9. 60-class unit in single operation

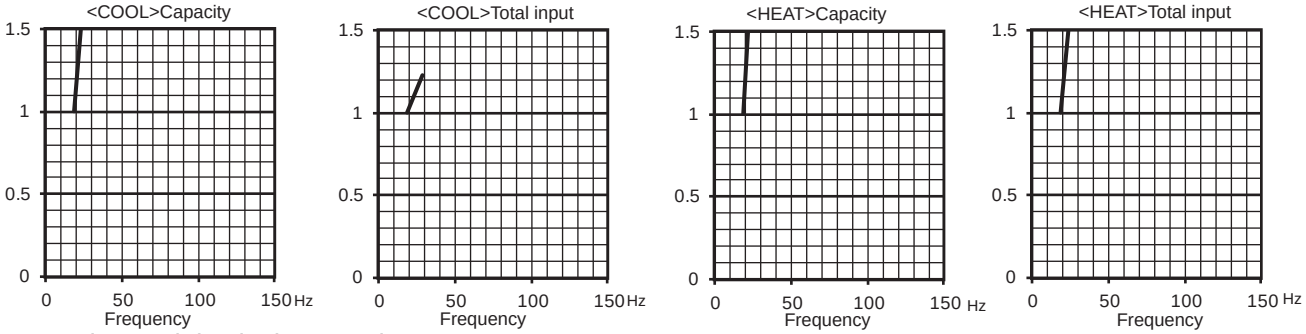


10. 71-class unit in single operation

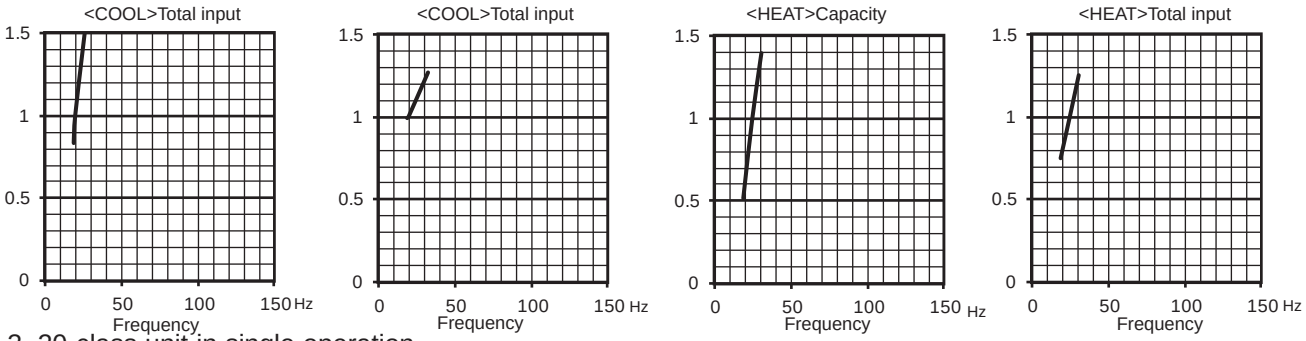


MXZ-6F122VF

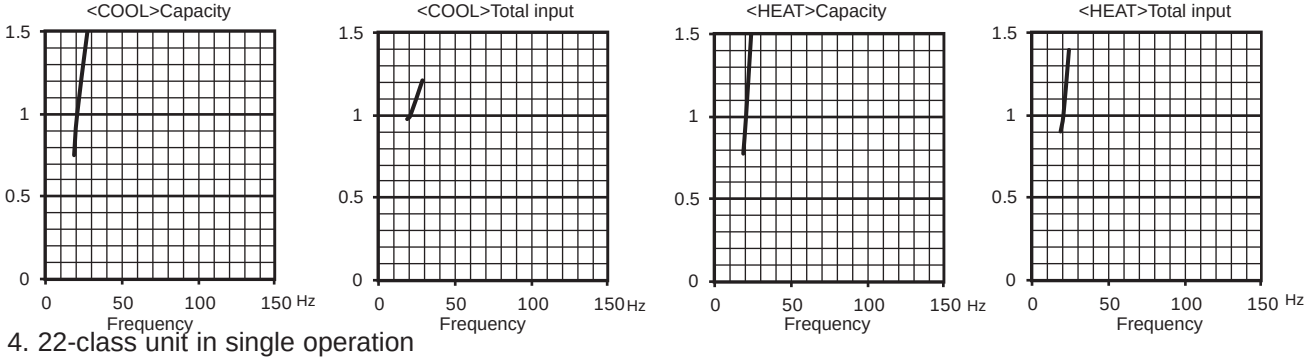
1. 15-class unit in single operation



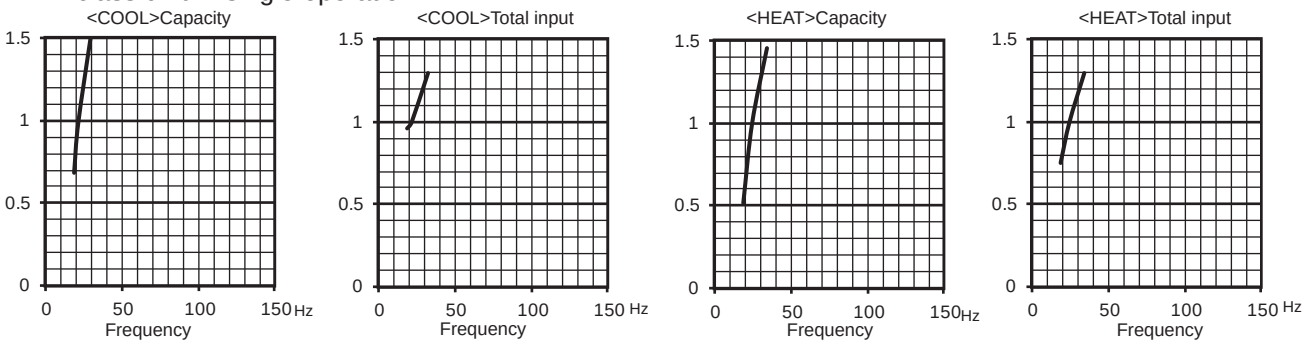
2. 18-class unit in single operation



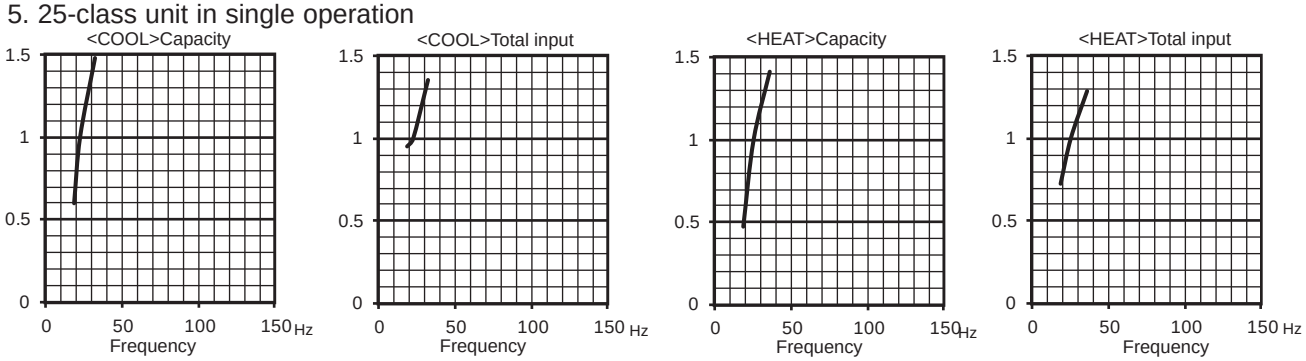
3. 20-class unit in single operation



4. 22-class unit in single operation

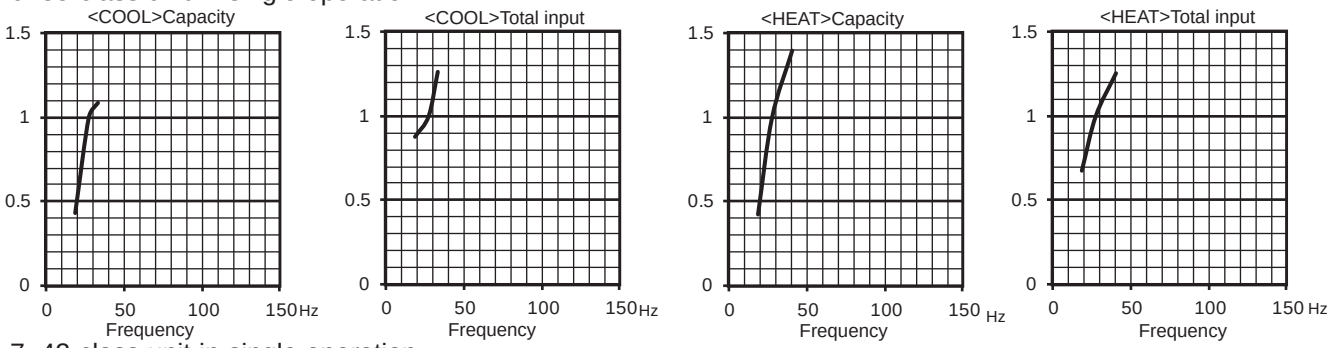


5. 25-class unit in single operation

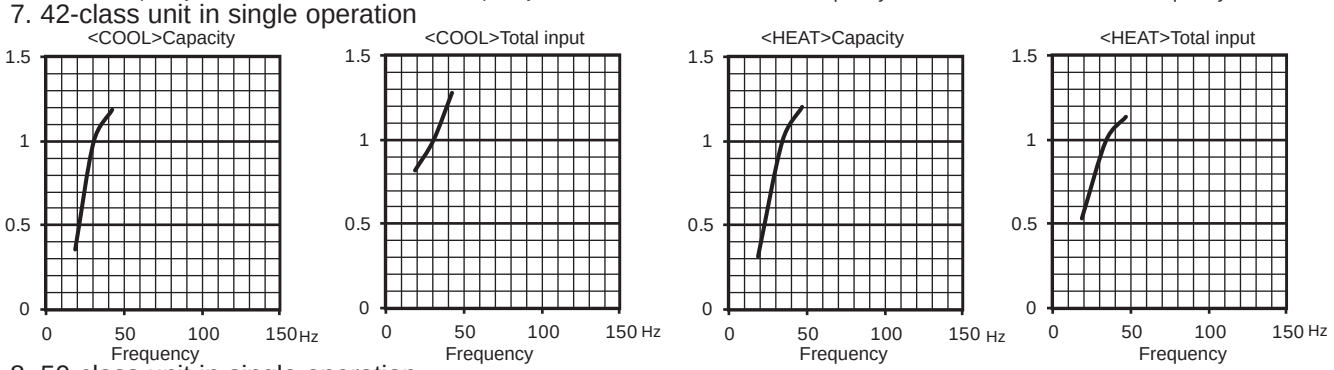


MXZ-6F122VF

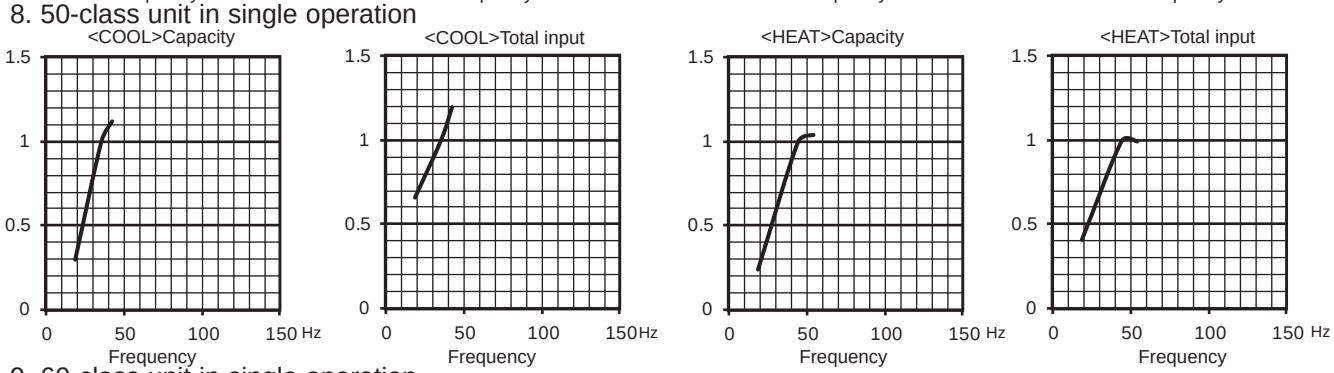
6. 35-class unit in single operation



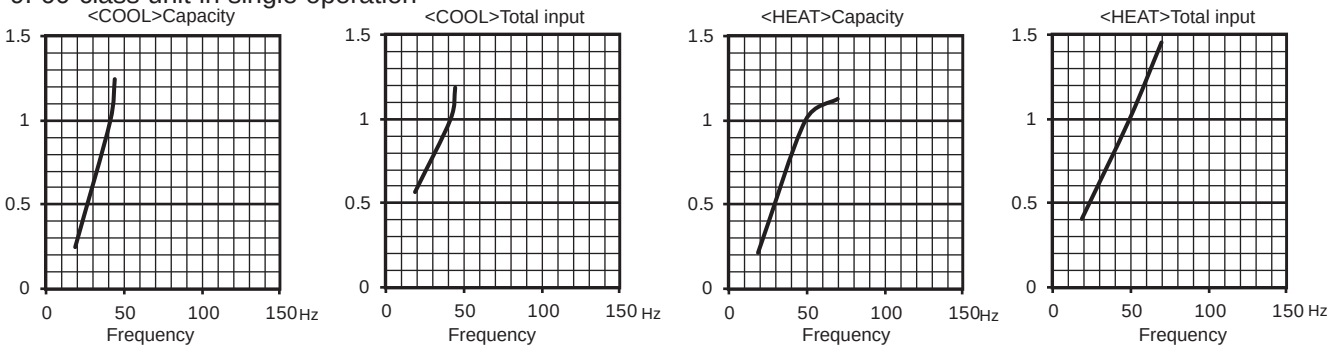
7. 42-class unit in single operation



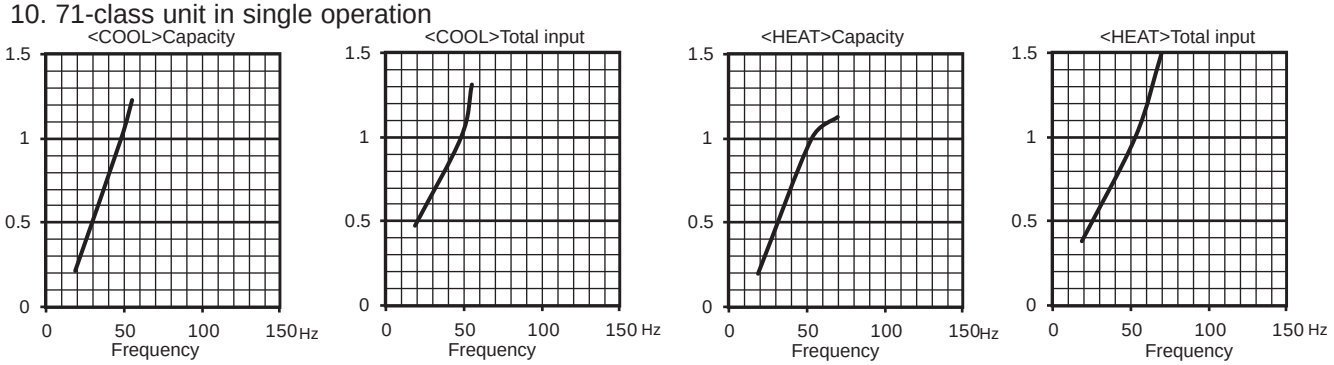
8. 50-class unit in single operation



9. 60-class unit in single operation

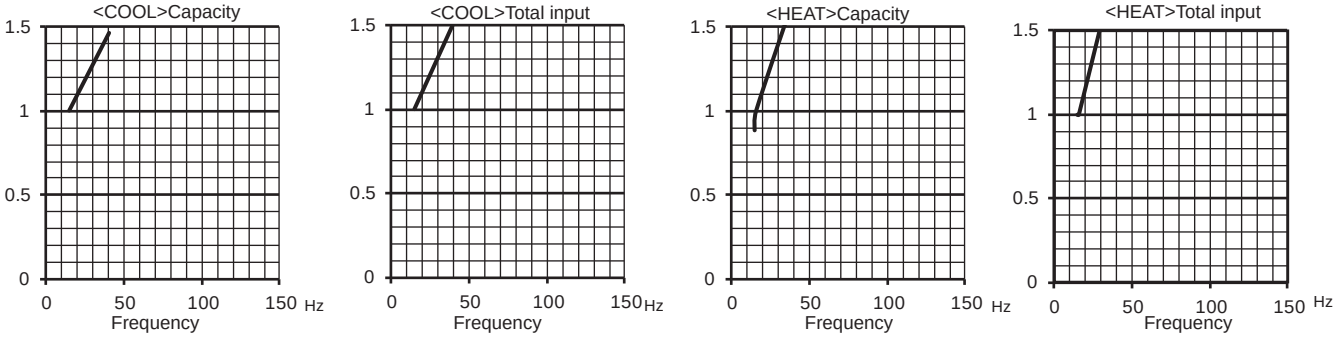


10. 71-class unit in single operation

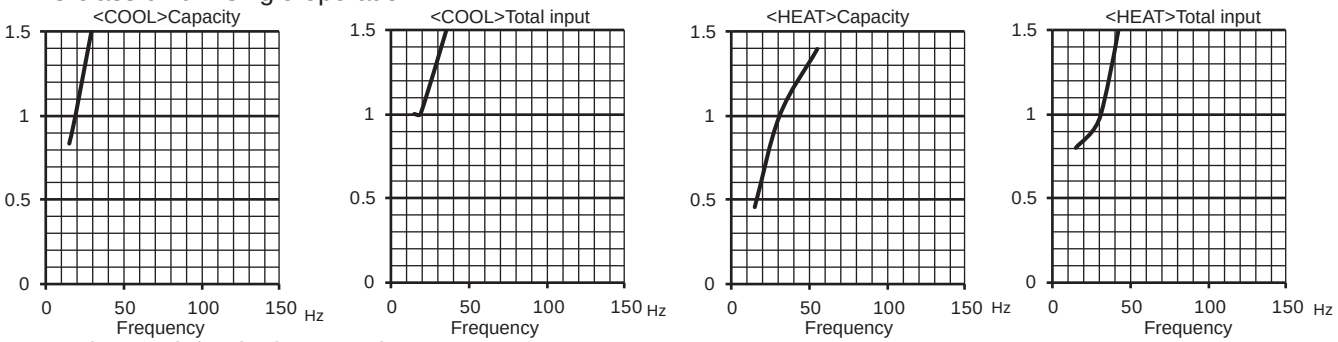


MXZ-2F53VFHZ

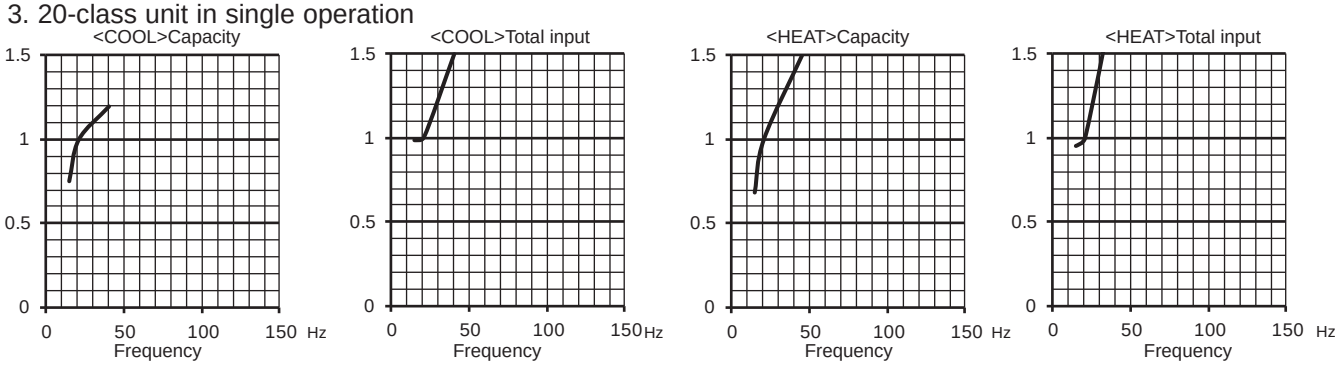
1. 15-class unit in single operation



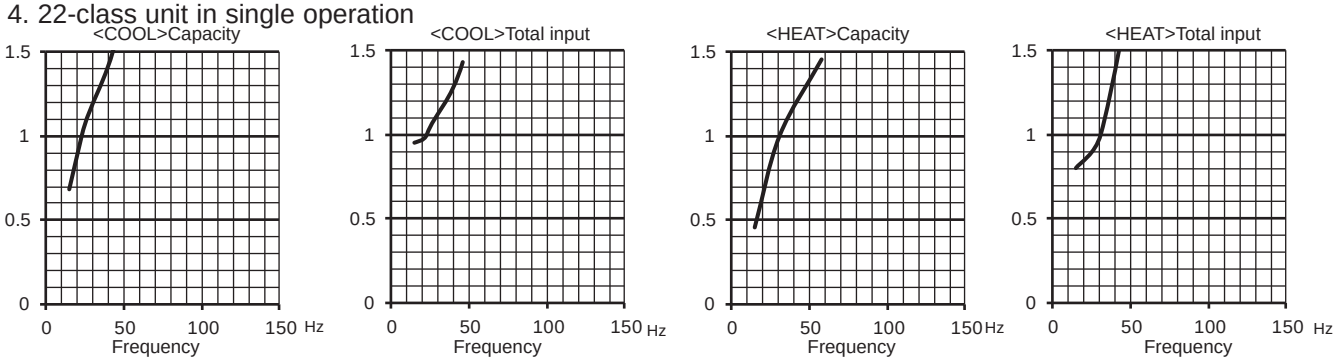
2. 18-class unit in single operation



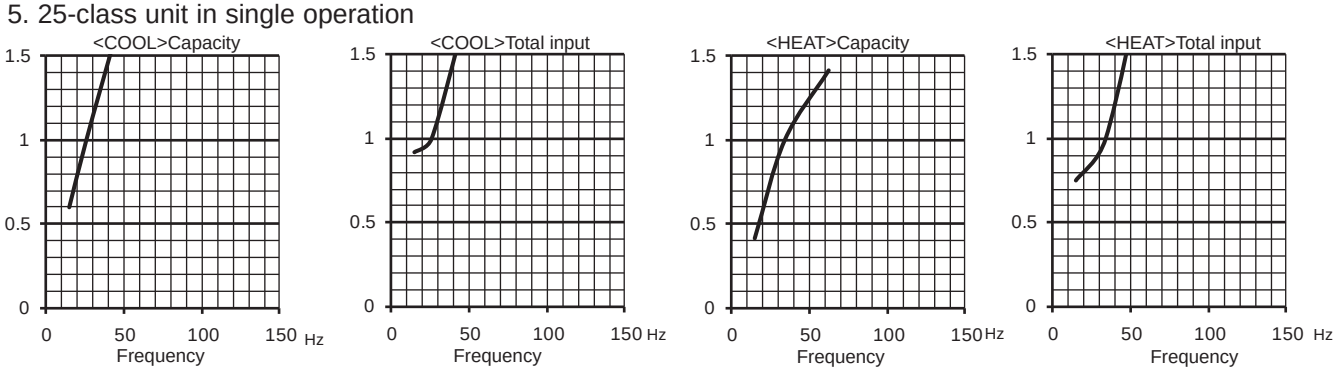
3. 20-class unit in single operation



4. 22-class unit in single operation

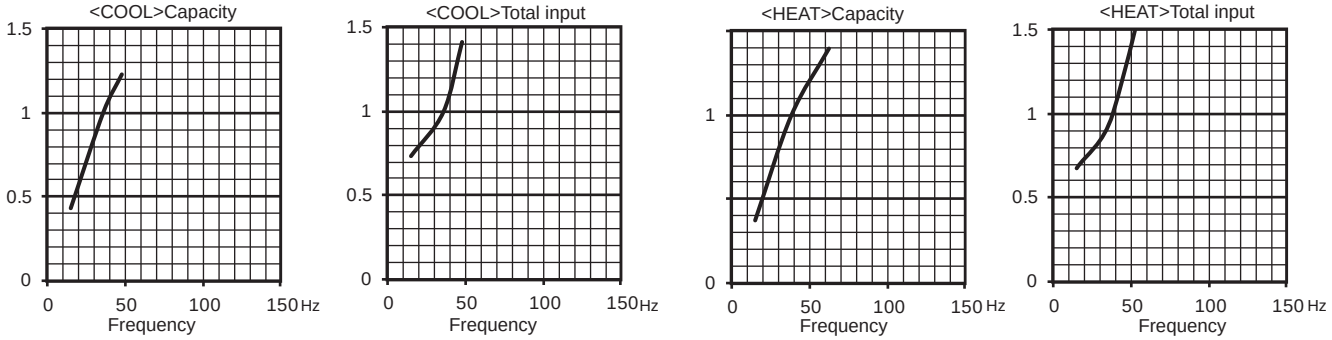


5. 25-class unit in single operation

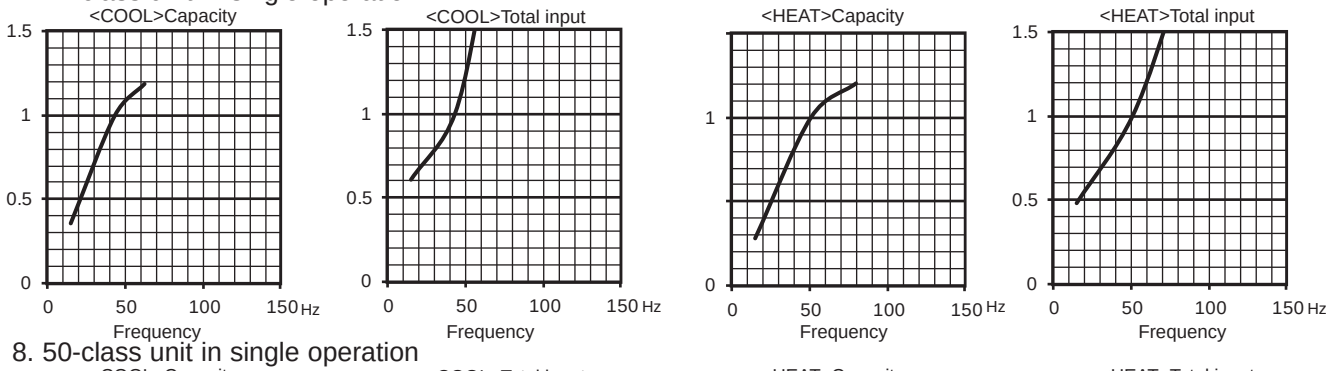


MXZ-2F53VFHZ

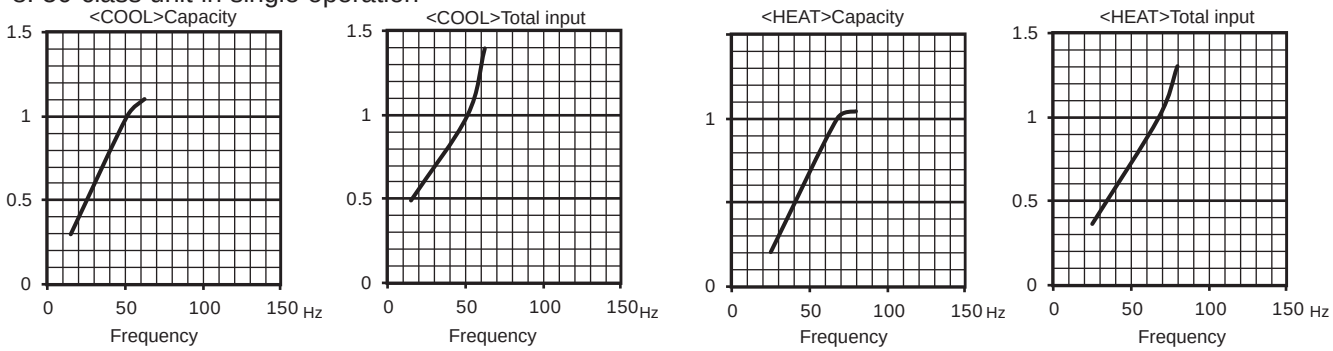
6. 35-class unit in single operation



7. 42-class unit in single operation

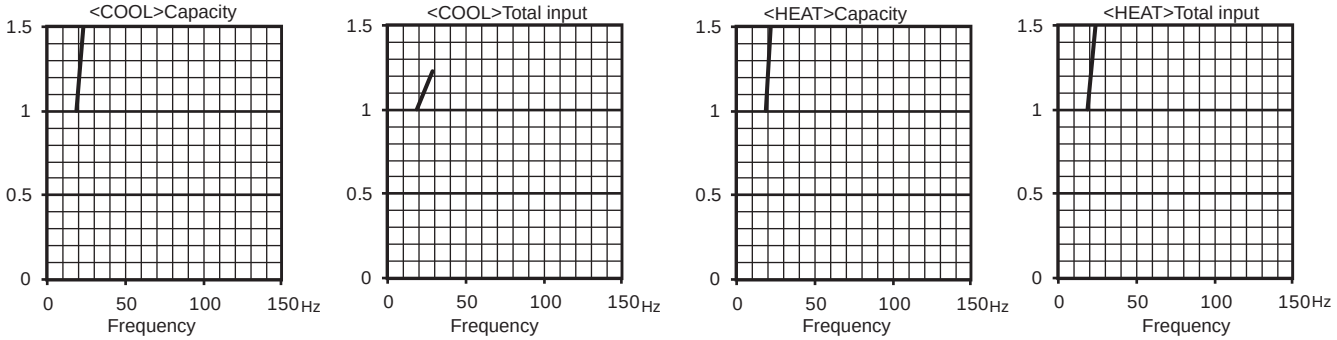


8. 50-class unit in single operation

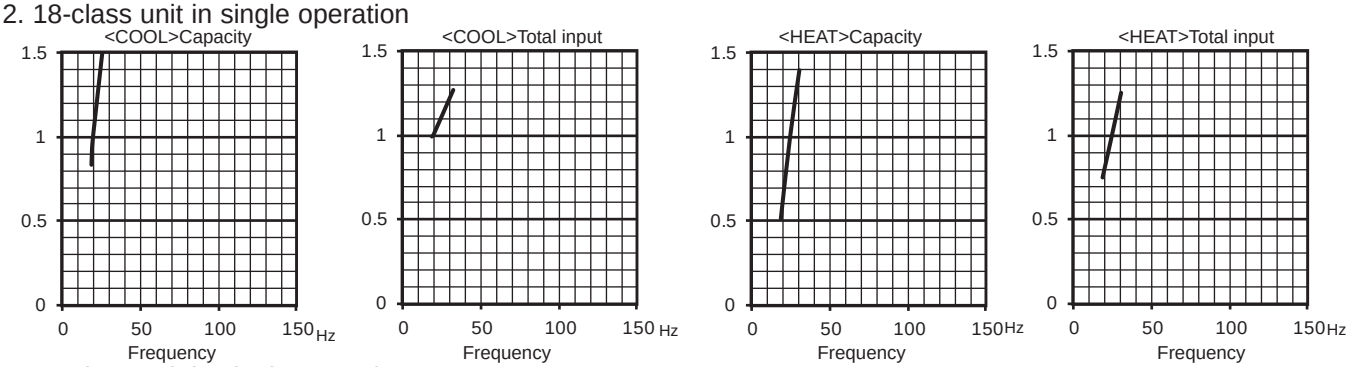


MXZ-4F83VFHZ

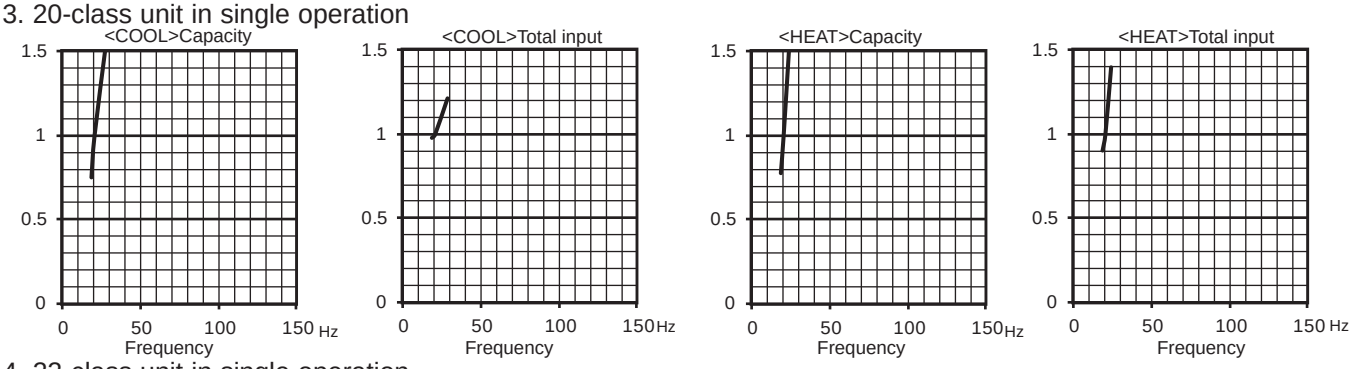
1. 15-class unit in single operation



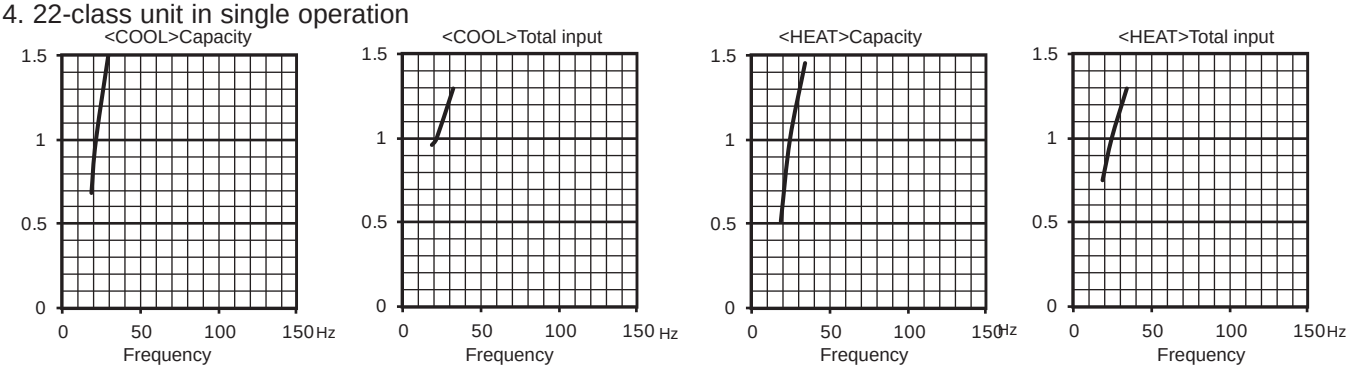
2. 18-class unit in single operation



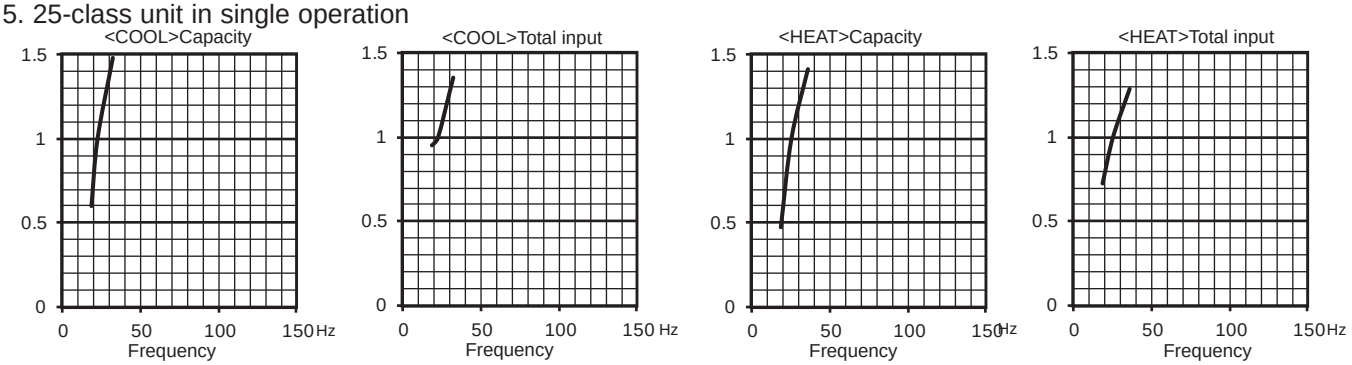
3. 20-class unit in single operation



4. 22-class unit in single operation

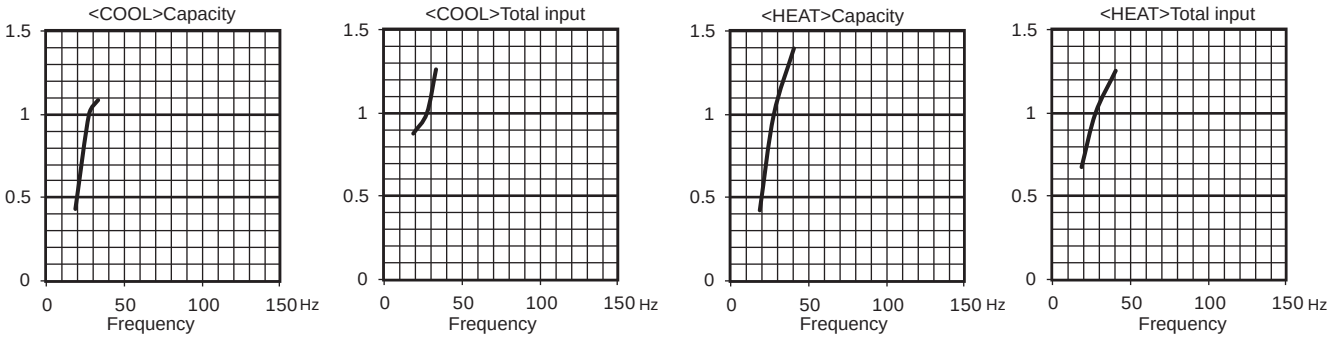


5. 25-class unit in single operation

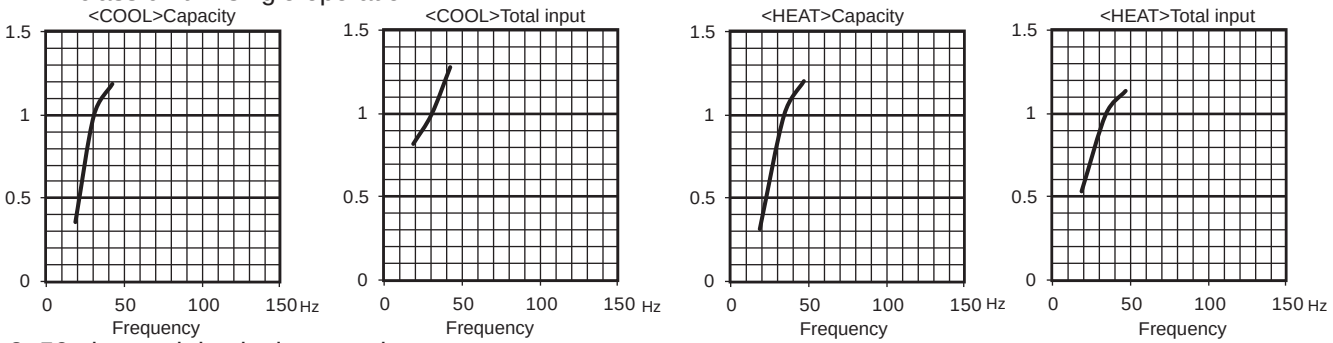


MXZ-4F83VFHZ

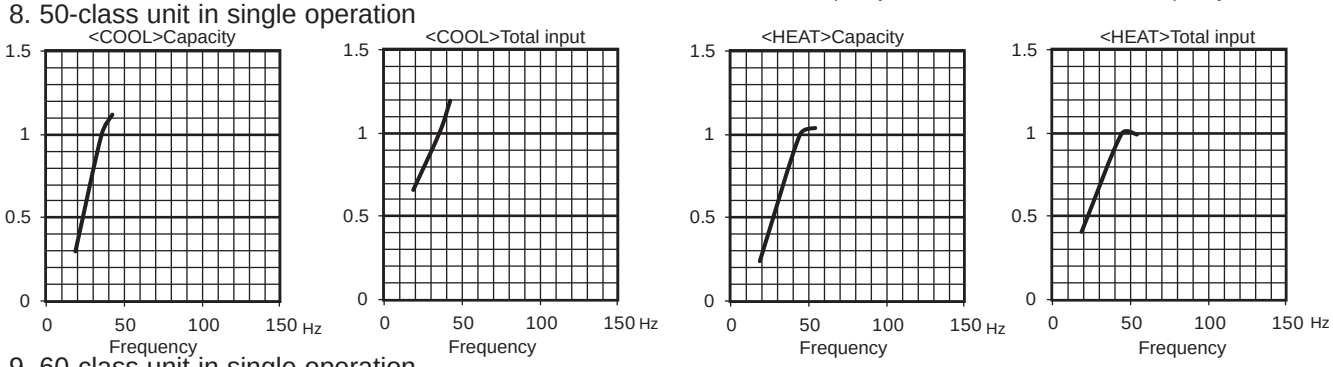
6. 35-class unit in single operation



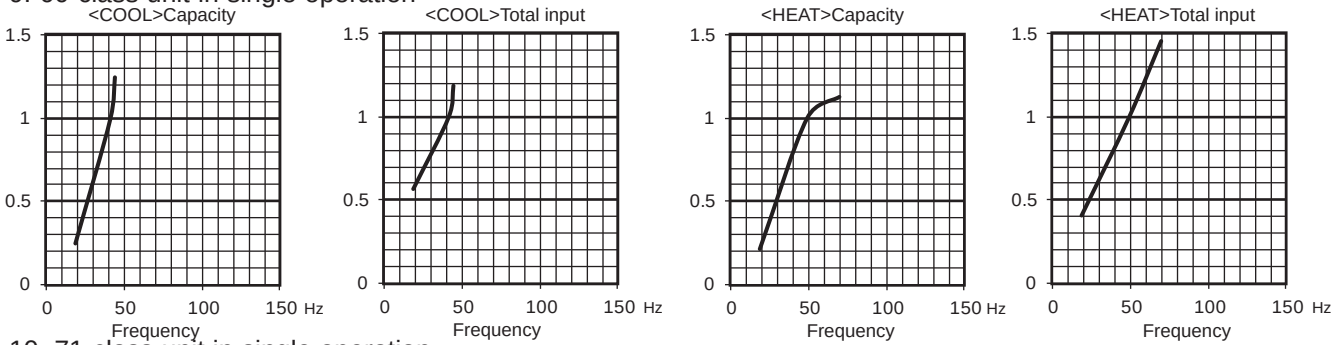
7. 42-class unit in single operation



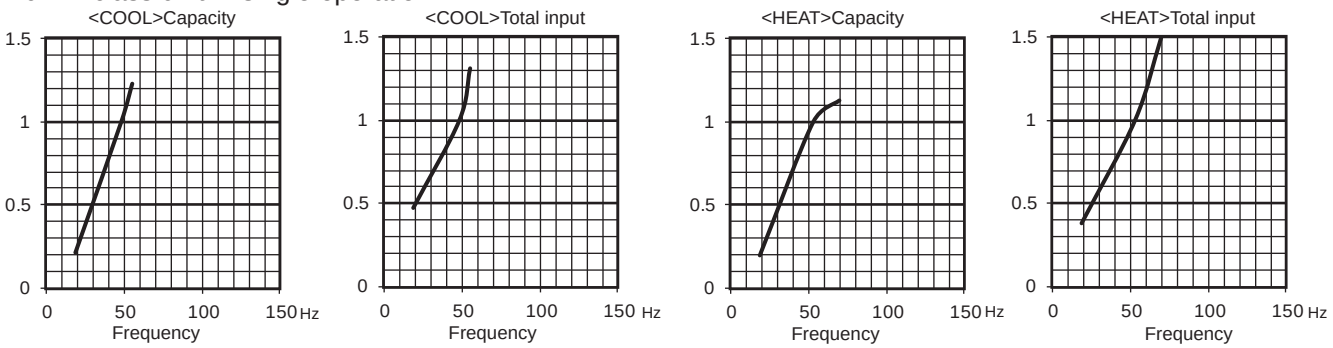
8. 50-class unit in single operation



9. 60-class unit in single operation

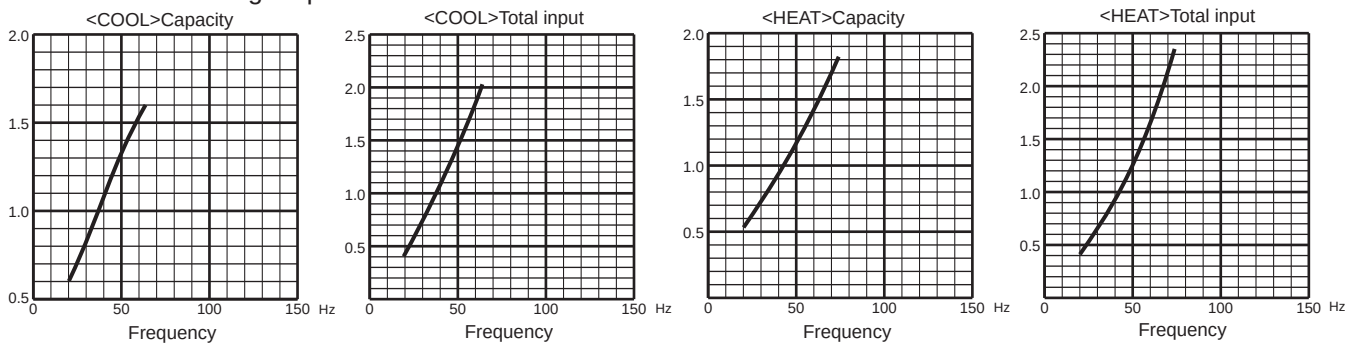


10. 71-class unit in single operation

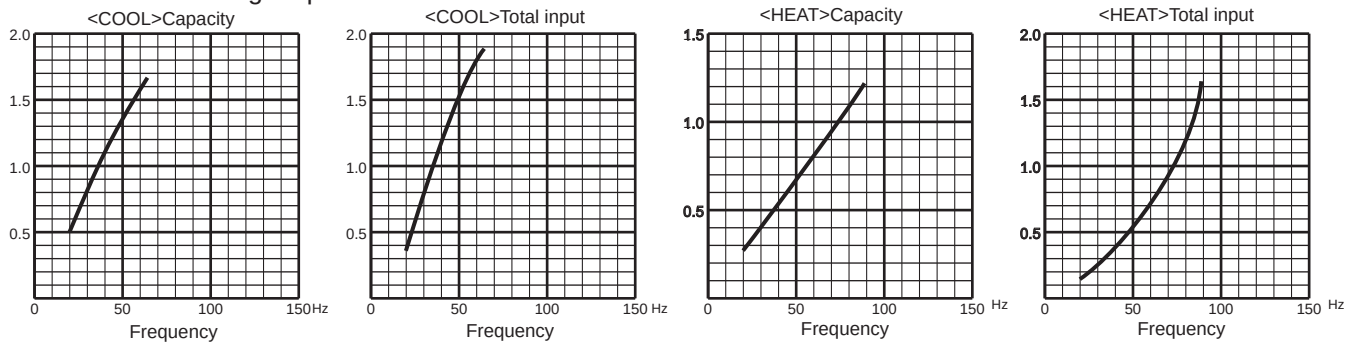


MXZ-2D33VA

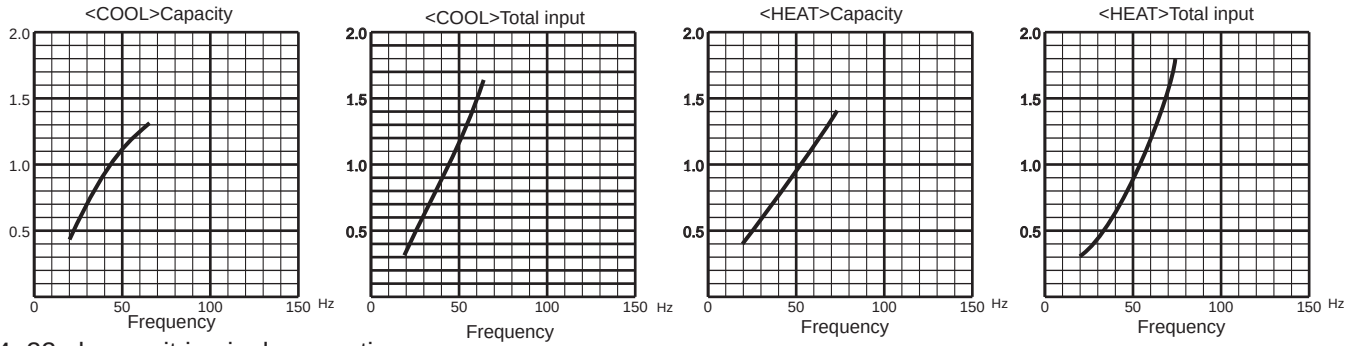
1. 15-class unit in single operation



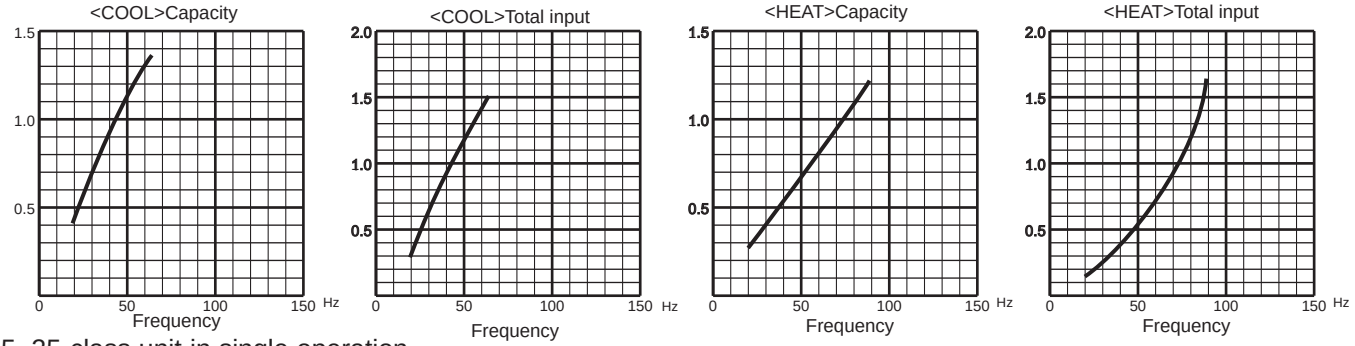
2. 18-class unit in single operation



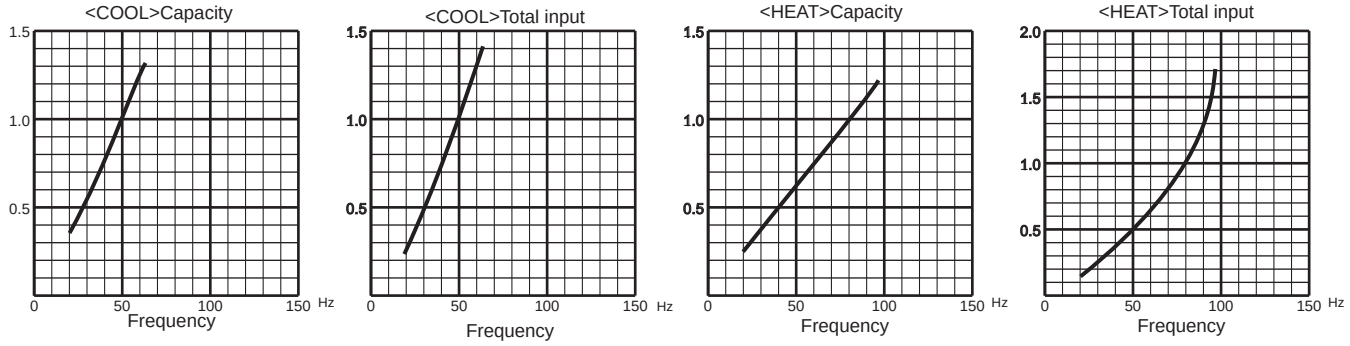
3. 20-class unit in single operation



4. 22-class unit in single operation

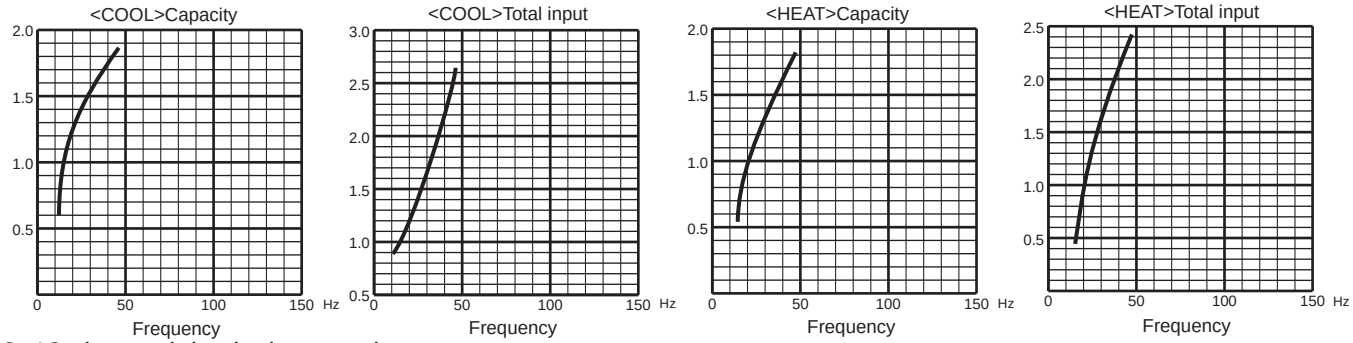


5. 25-class unit in single operation

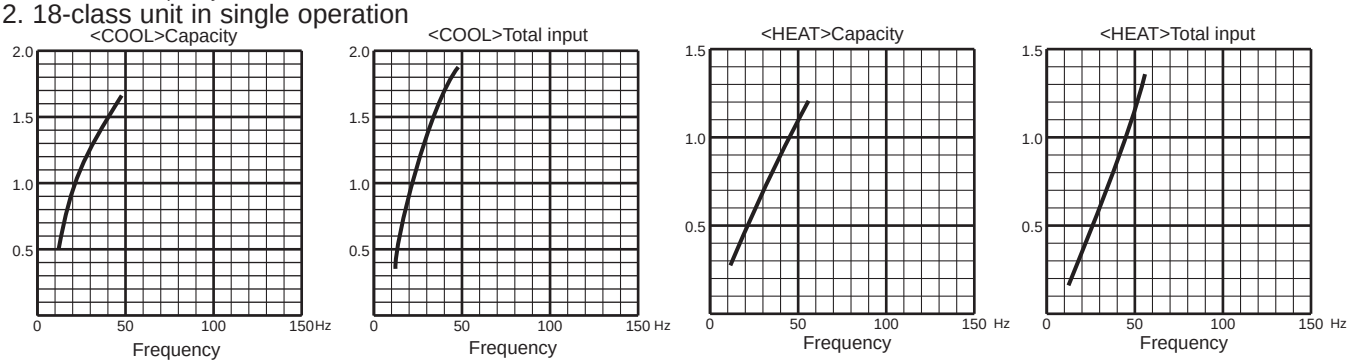


MXZ-2D42VA2 MXZ-2D53VA2 MXZ-2D53VAH2

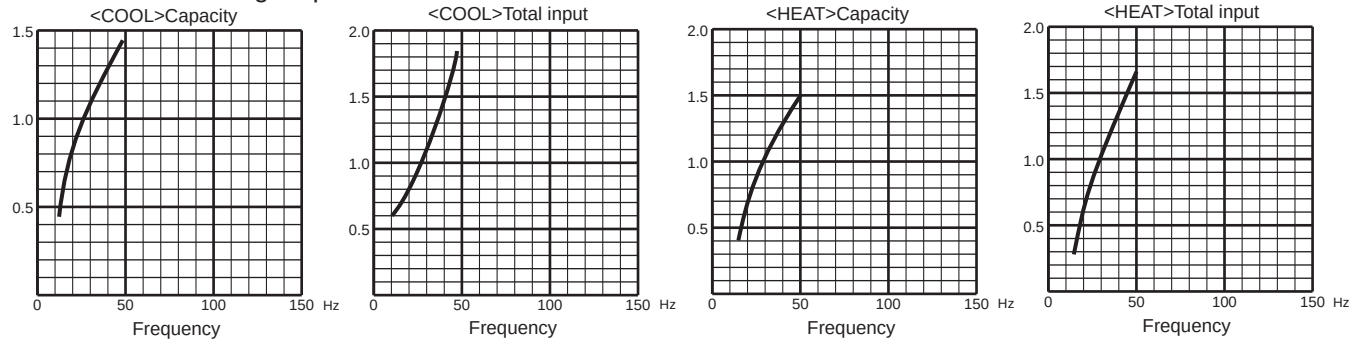
1. 15-class unit in single operation



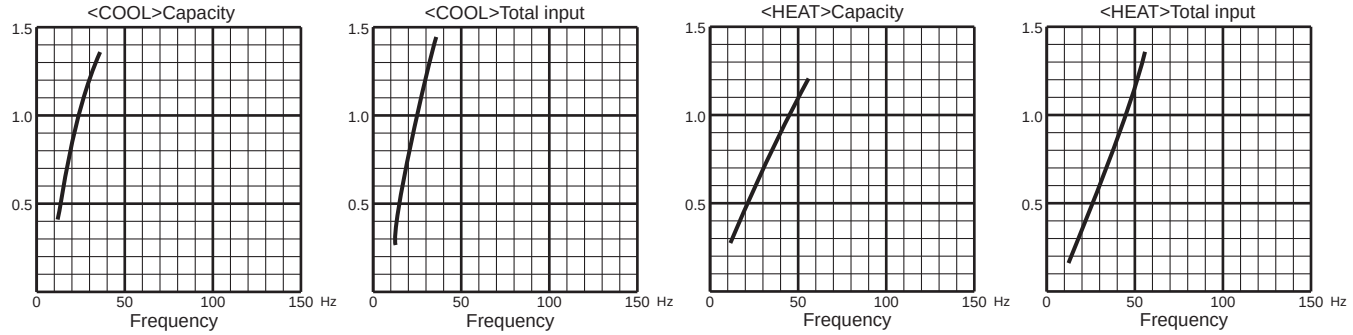
2. 18-class unit in single operation



3. 20-class unit in single operation

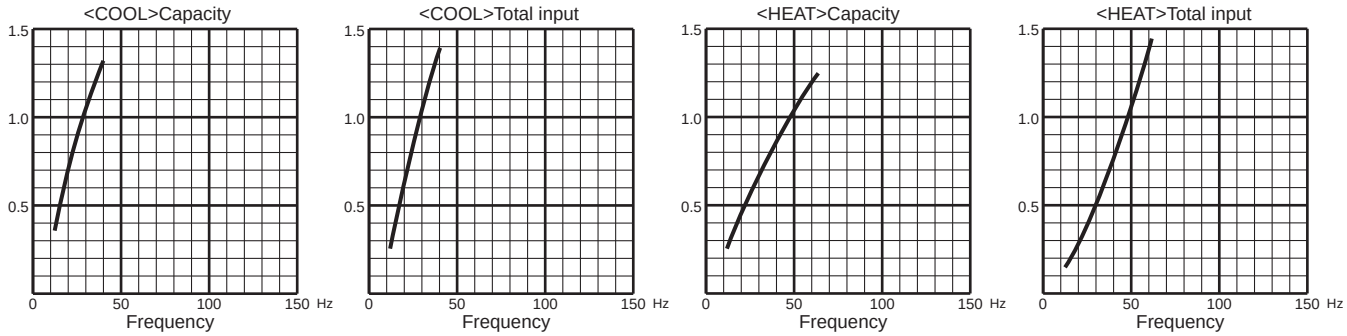


4. 22-class unit in single operation

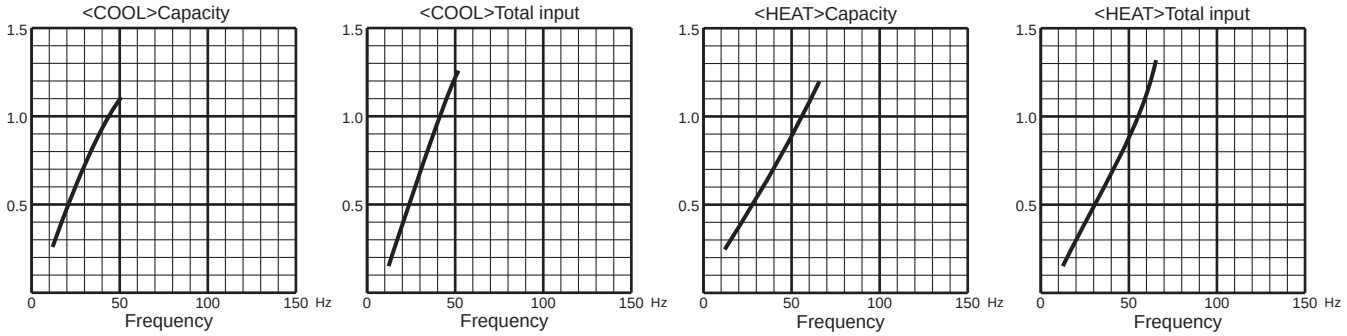


MXZ-2D42VA2 MXZ-2D53VA2 MXZ-2D53VAH2

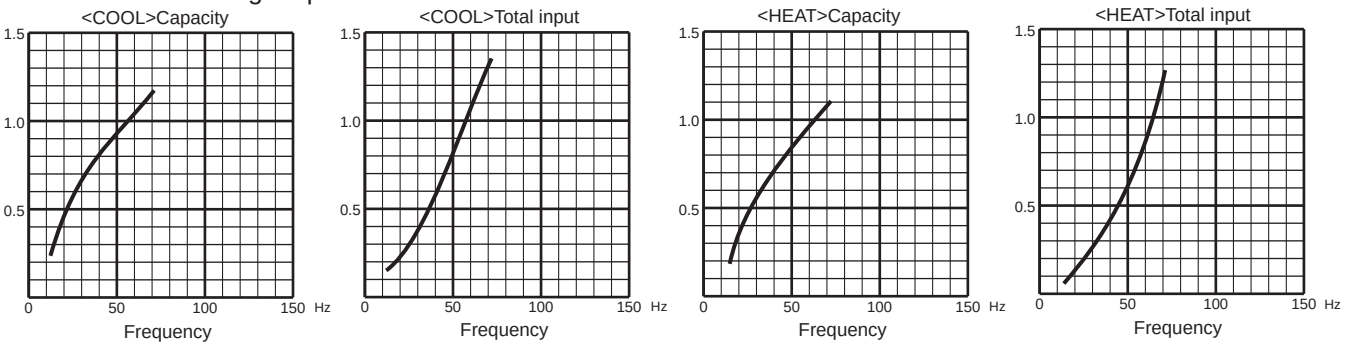
5. 25-class unit in single operation



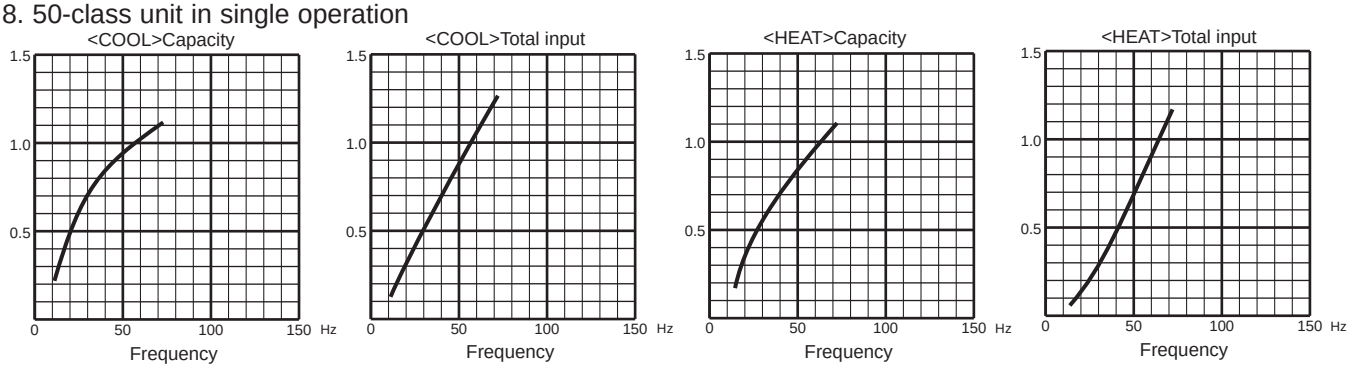
6. 35-class unit in single operation



7. 42-class unit in single operation

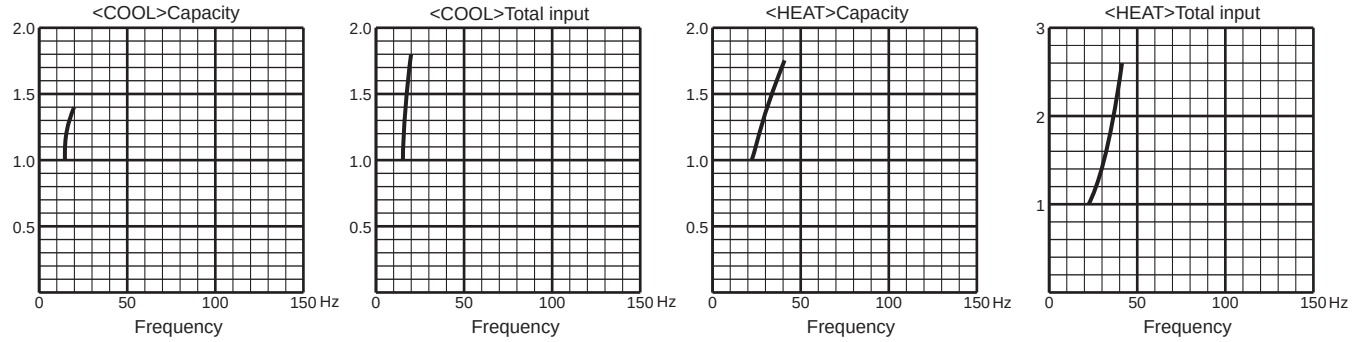


8. 50-class unit in single operation

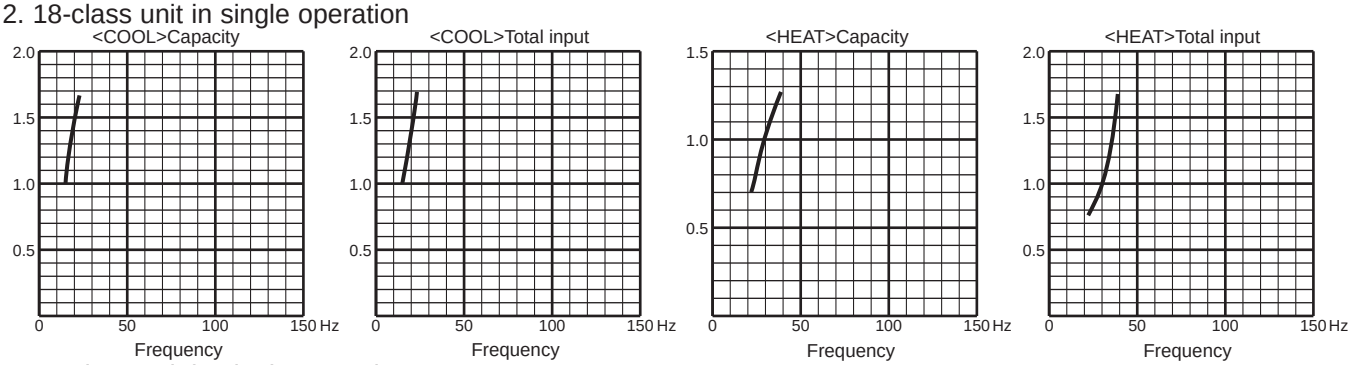


MXZ-2E53VAHZ

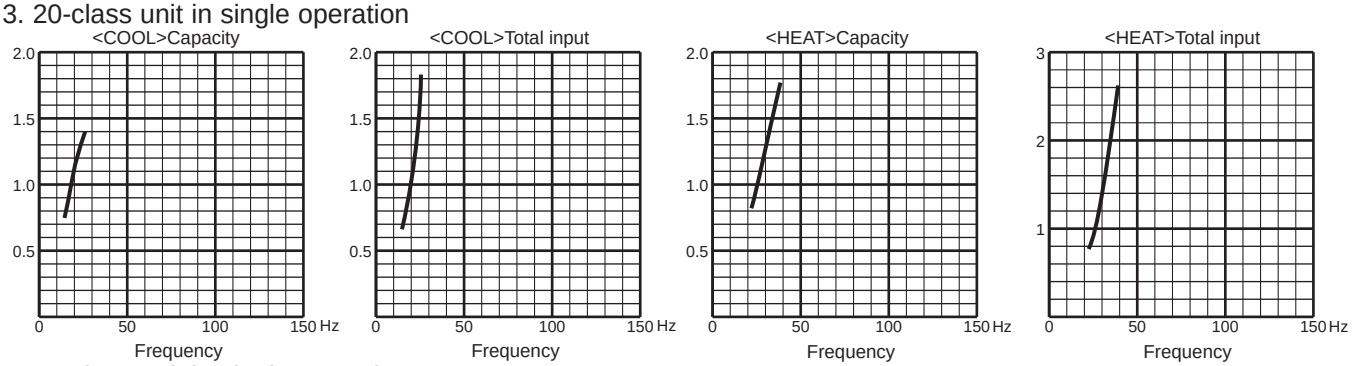
1. 15-class unit in single operation



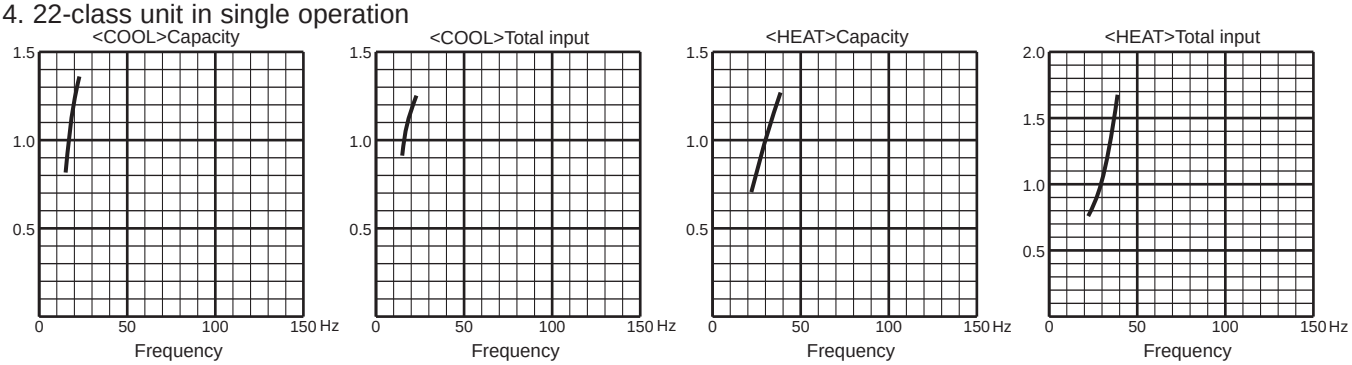
2. 18-class unit in single operation



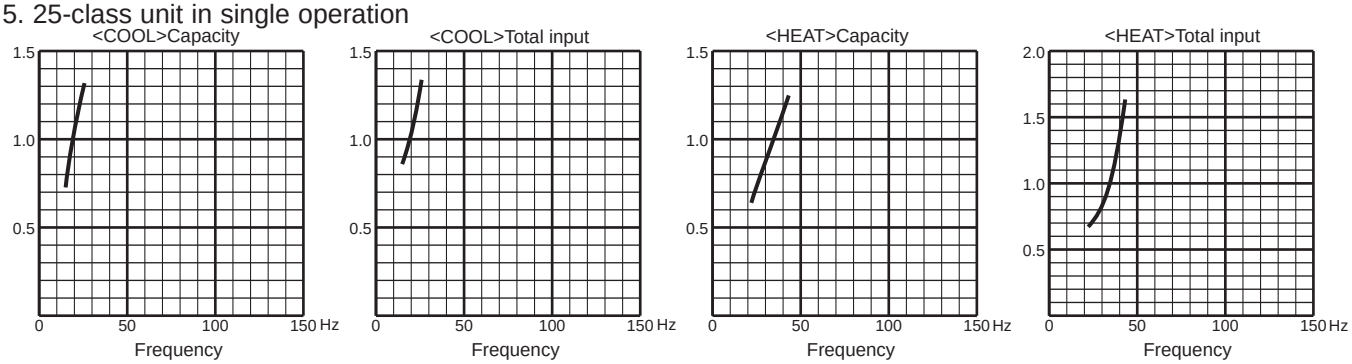
3. 20-class unit in single operation



4. 22-class unit in single operation

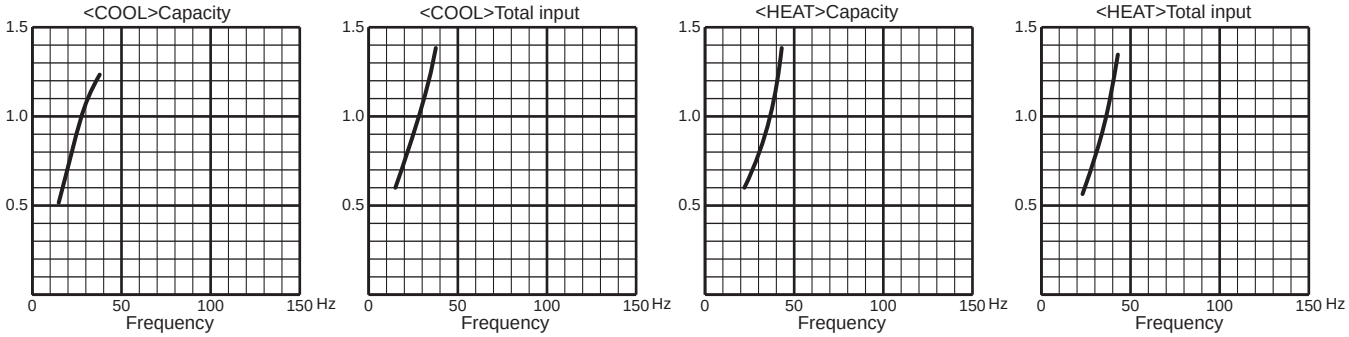


5. 25-class unit in single operation

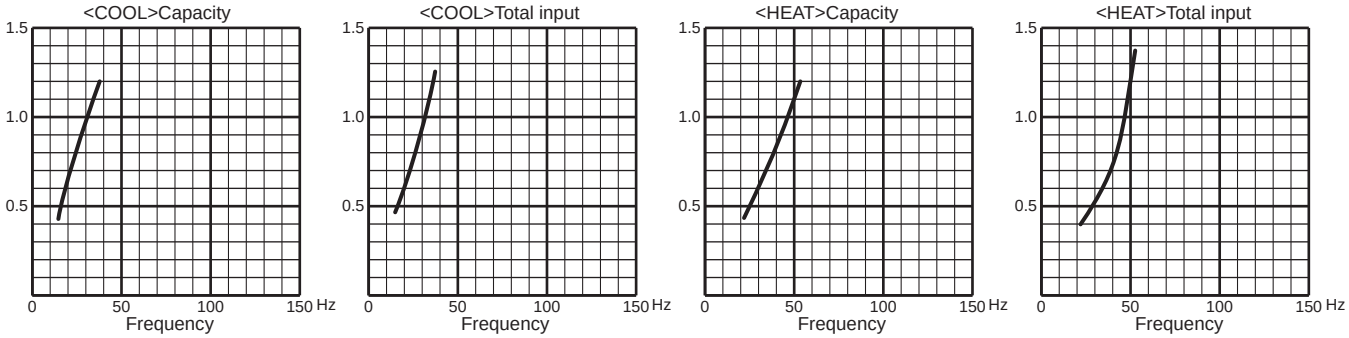


MXZ-2E53VAHZ

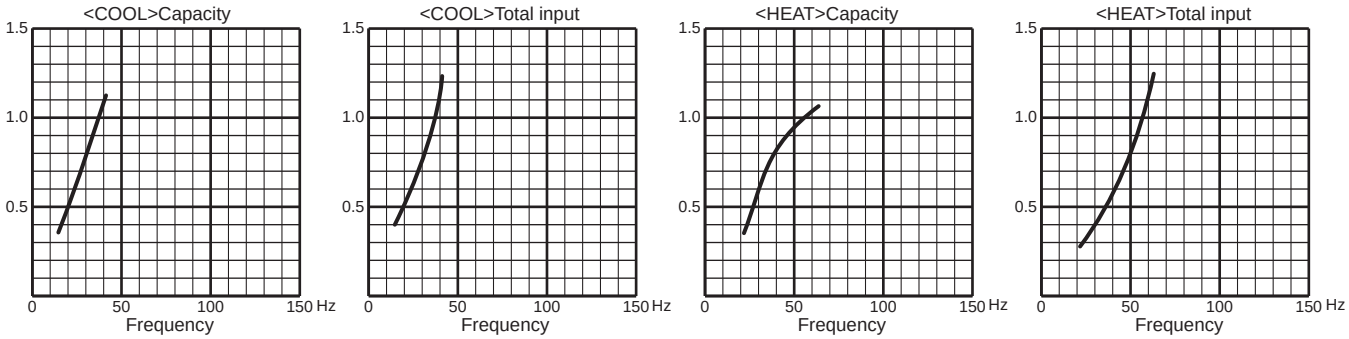
6. 35-class unit in single operation



7. 42-class unit in single operation

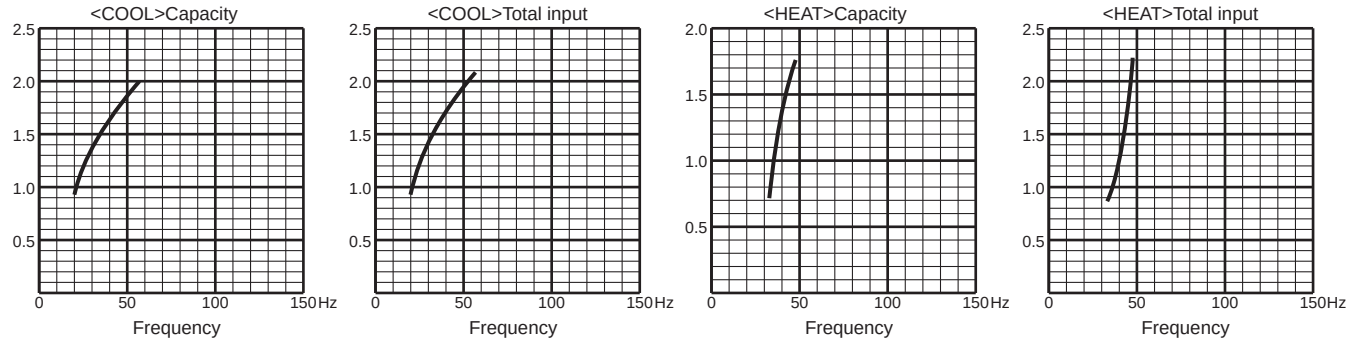


8. 50-class unit in single operation

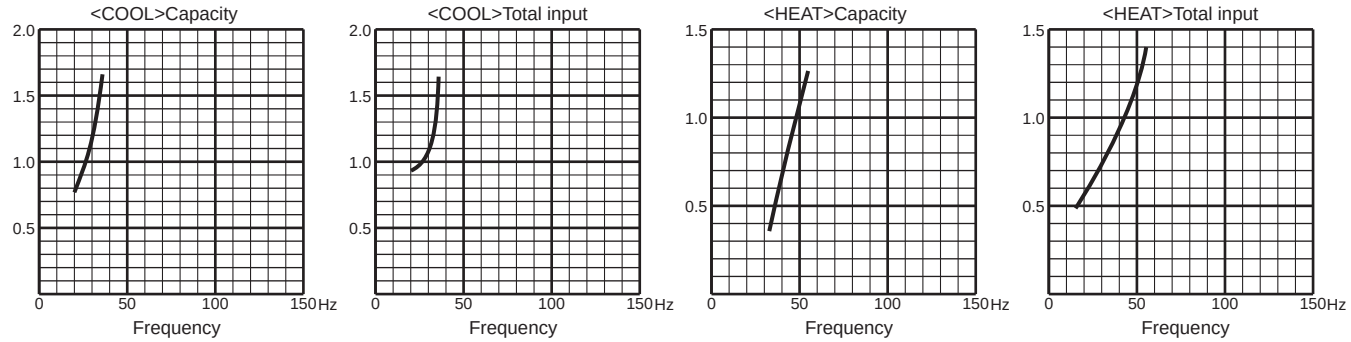


MXZ-3E54VA

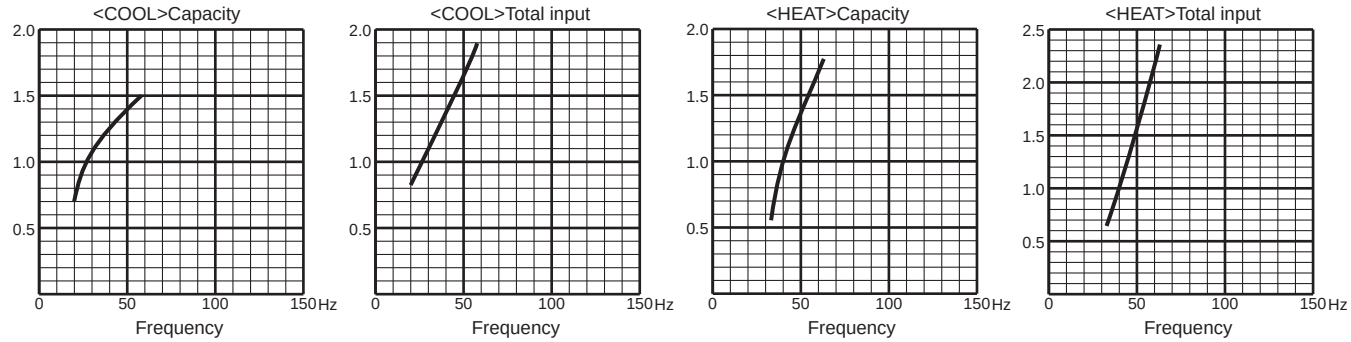
1. 15-class unit in single operation



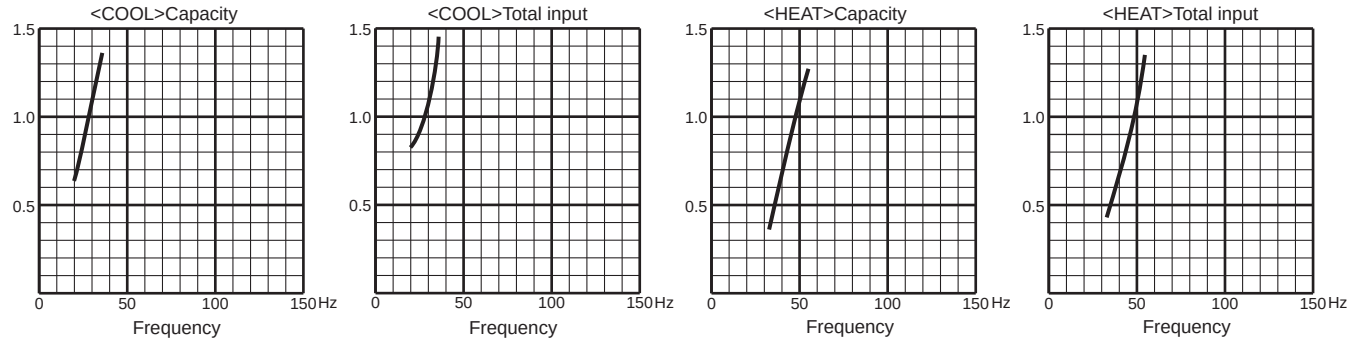
2. 18-class unit in single operation



3. 20-class unit in single operation

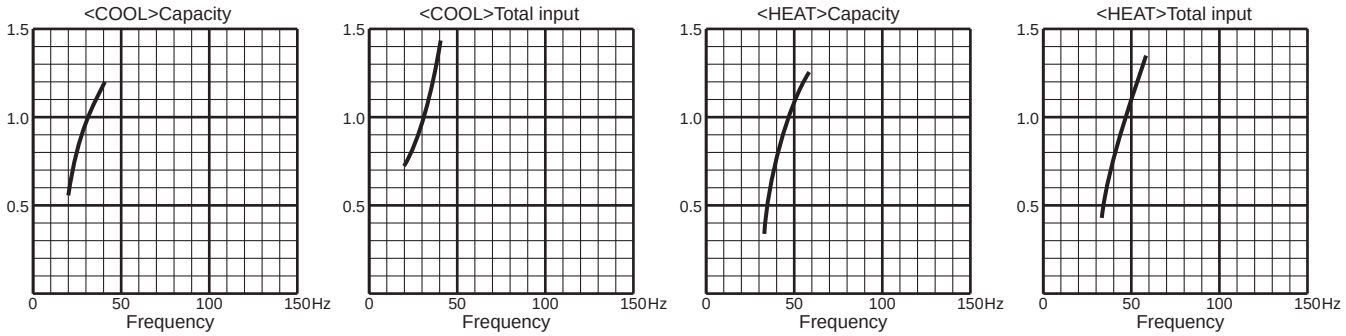


4. 22-class unit in single operation

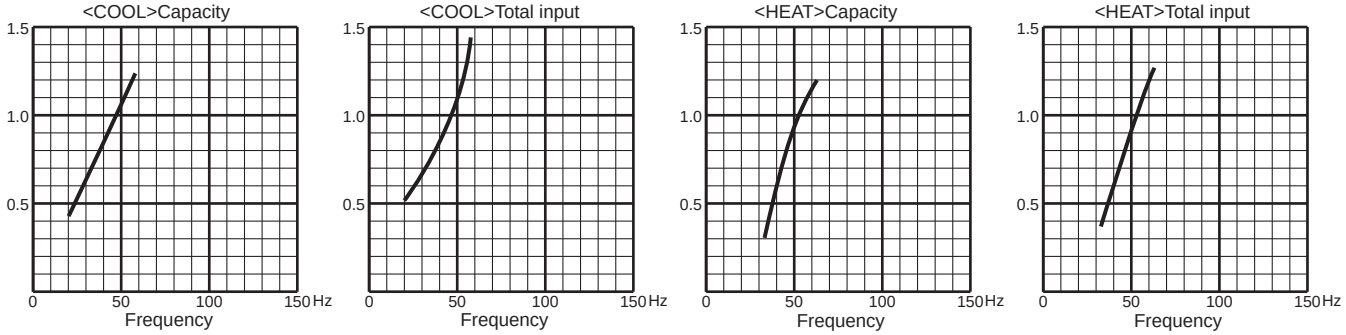


MXZ-3E54VA

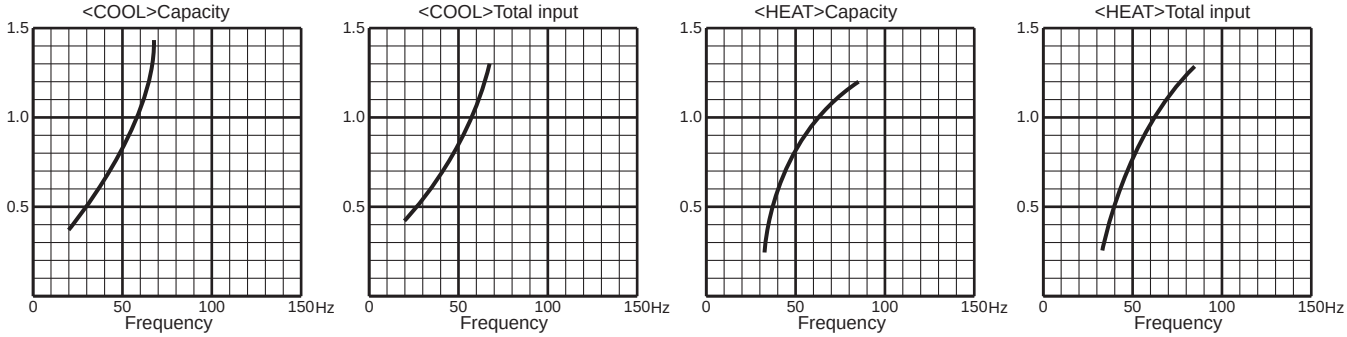
5. 25-class unit in single operation



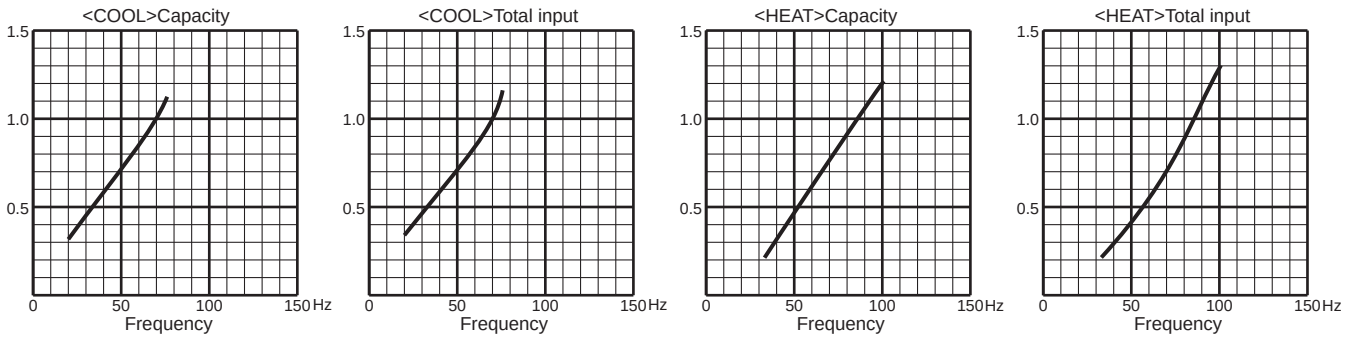
6. 35-class unit in single operation



7. 42-class unit in single operation

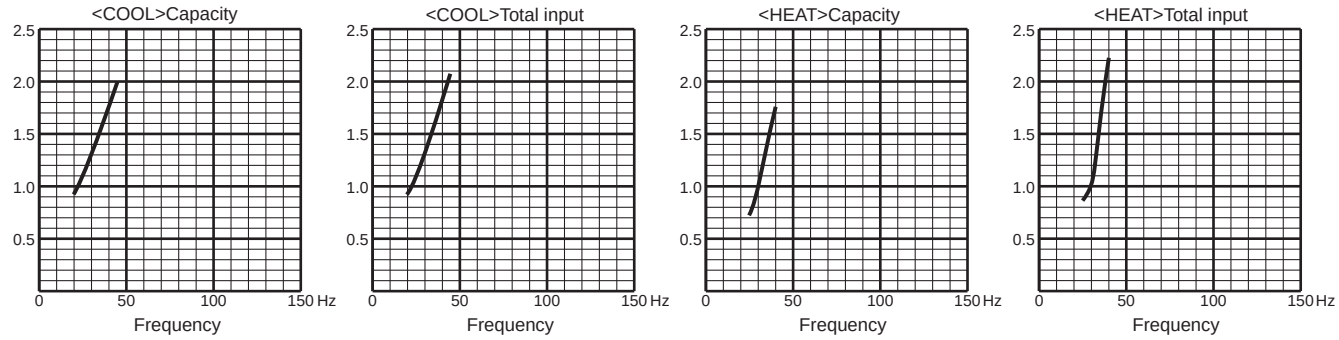


8. 50-class unit in single operation

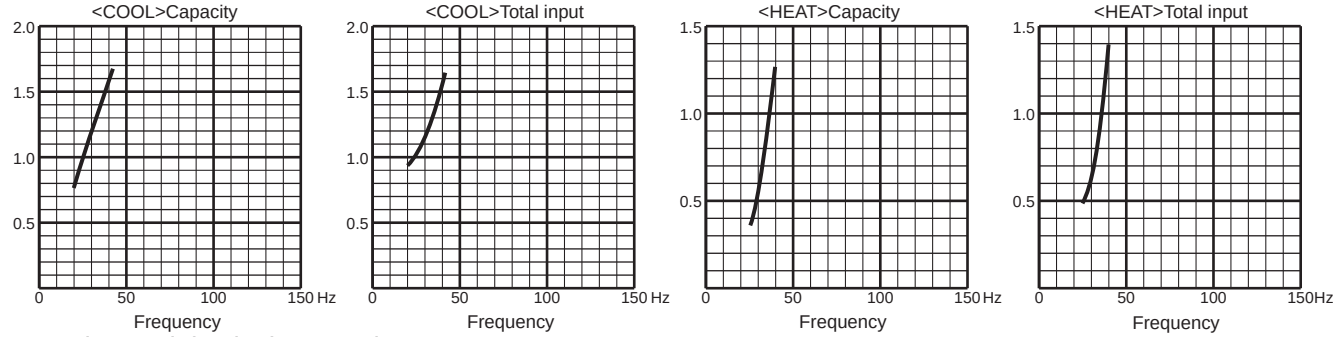


MXZ-3E68VA

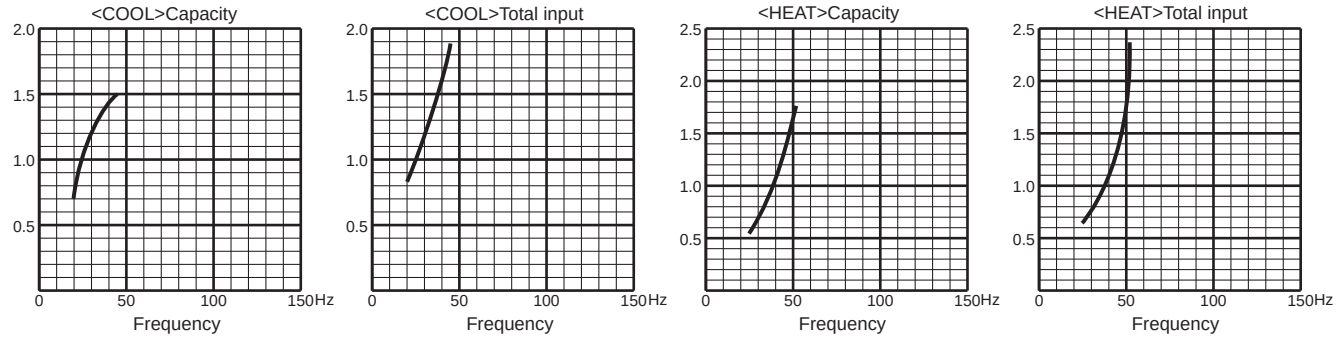
1. 15-class unit in single operation



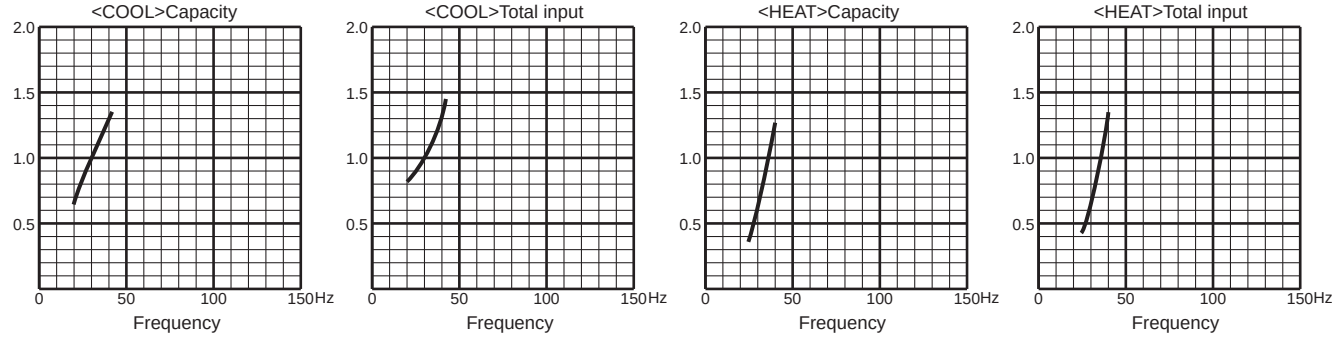
2. 18-class unit in single operation



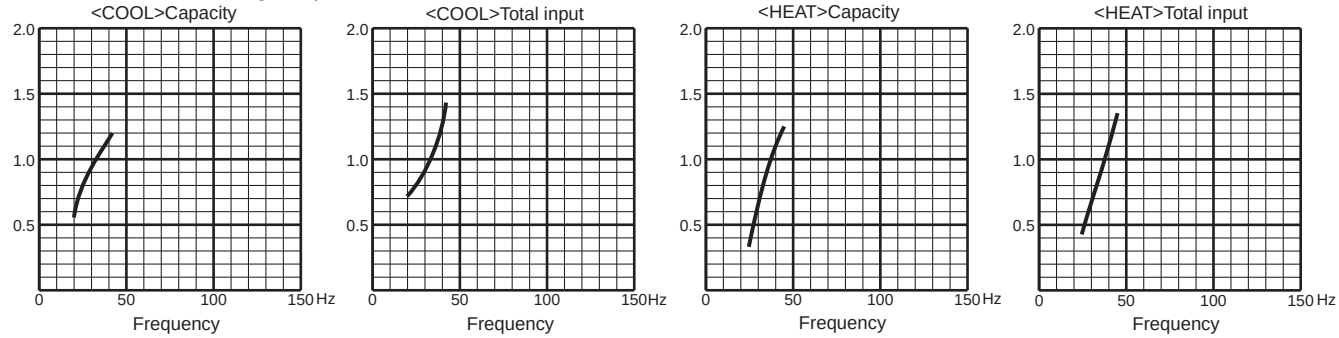
3. 20-class unit in single operation



4. 22-class unit in single operation

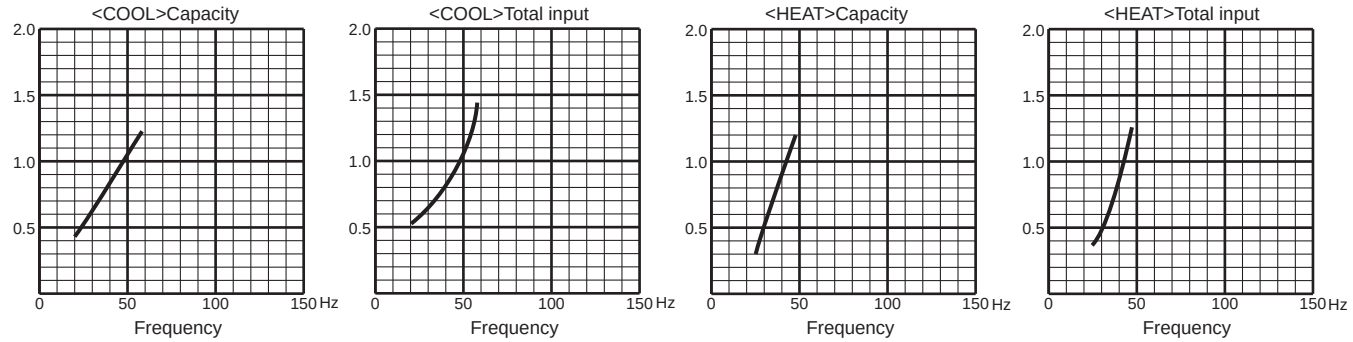


5. 25-class unit in single operation

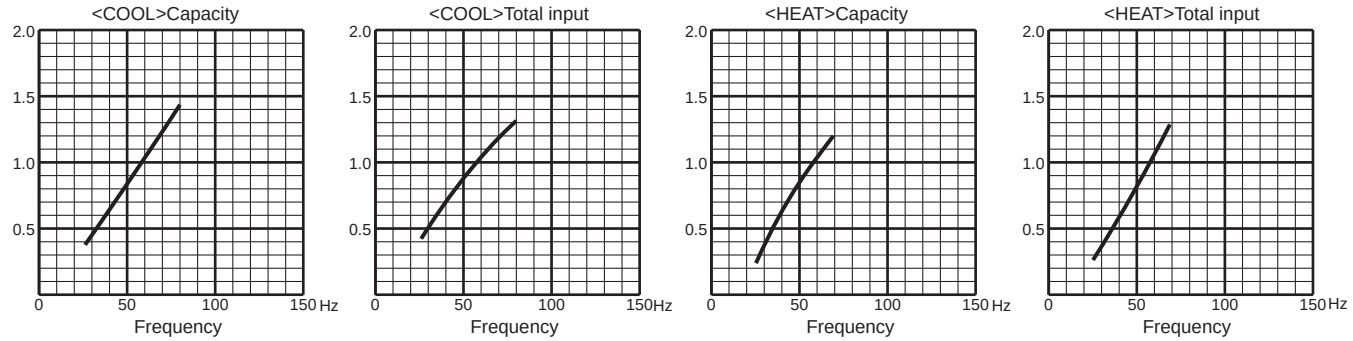


MXZ-3E68VA

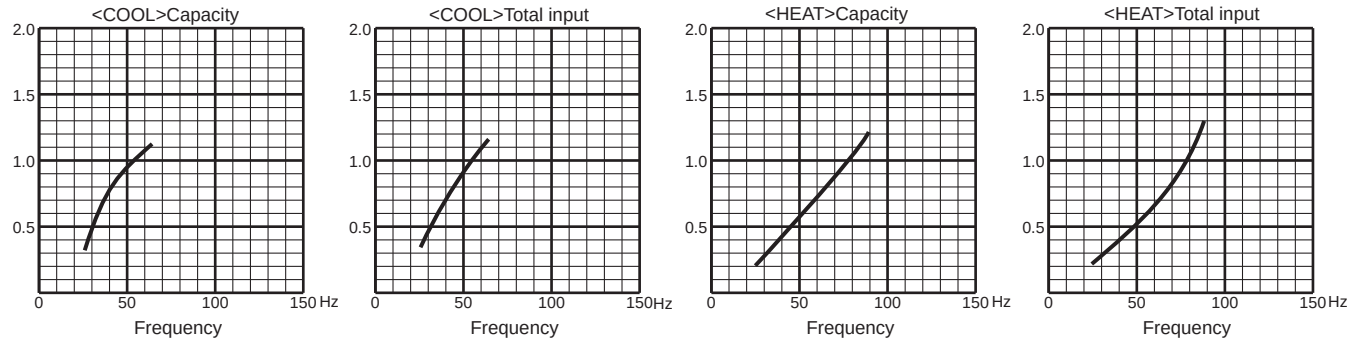
6. 35-class unit in single operation



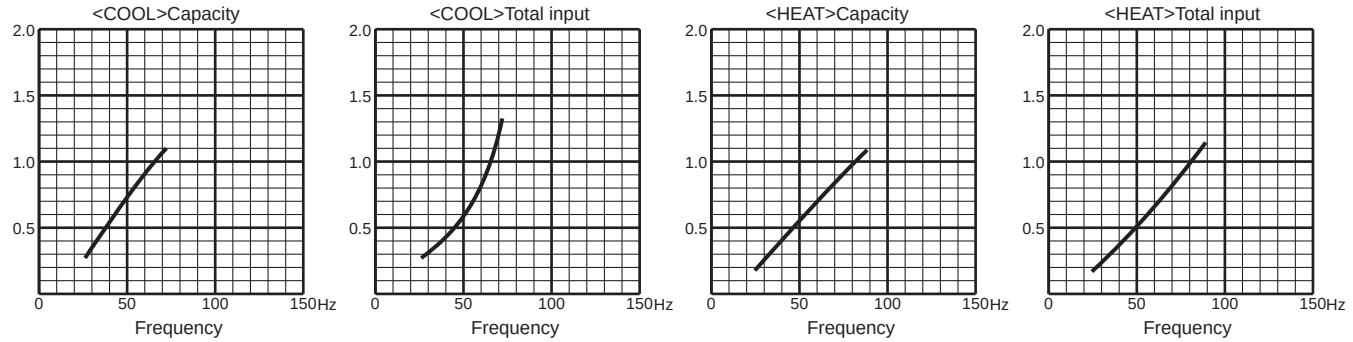
7. 42-class unit in single operation



8. 50-class unit in single operation

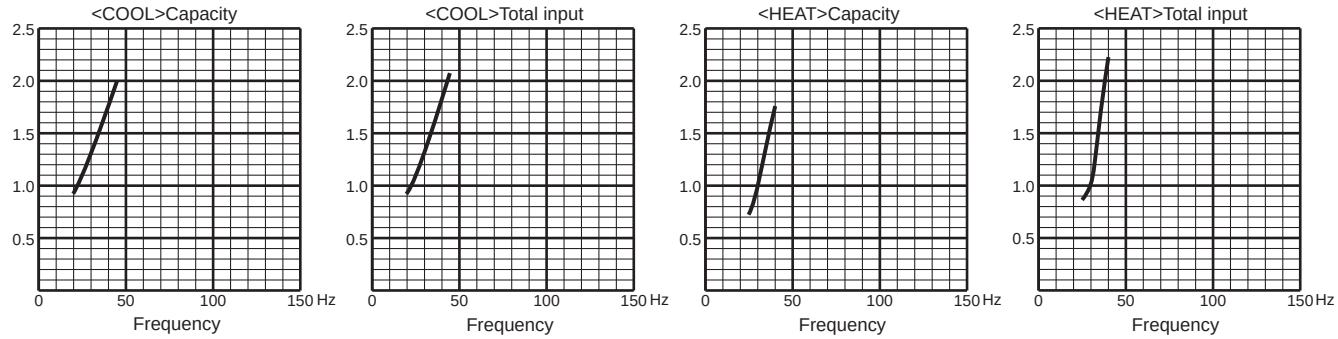


9. 60-class unit in single operation

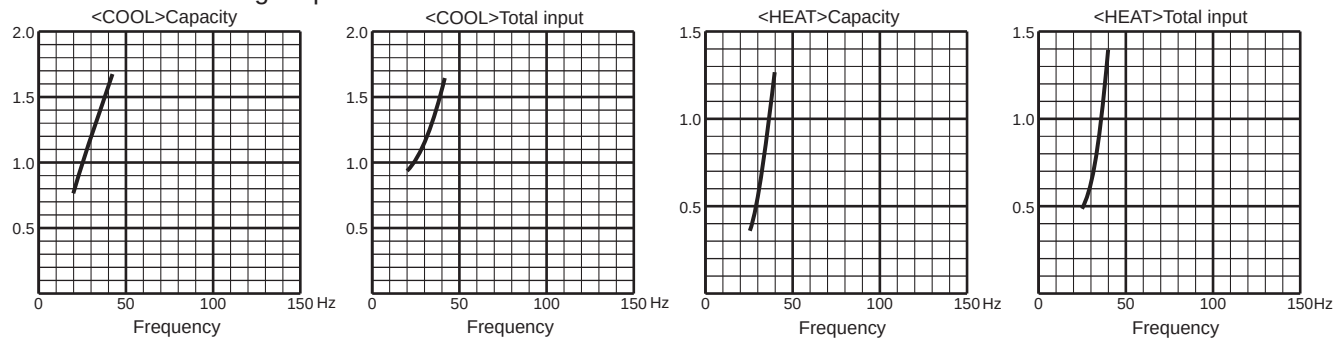


MXZ-4E72VA

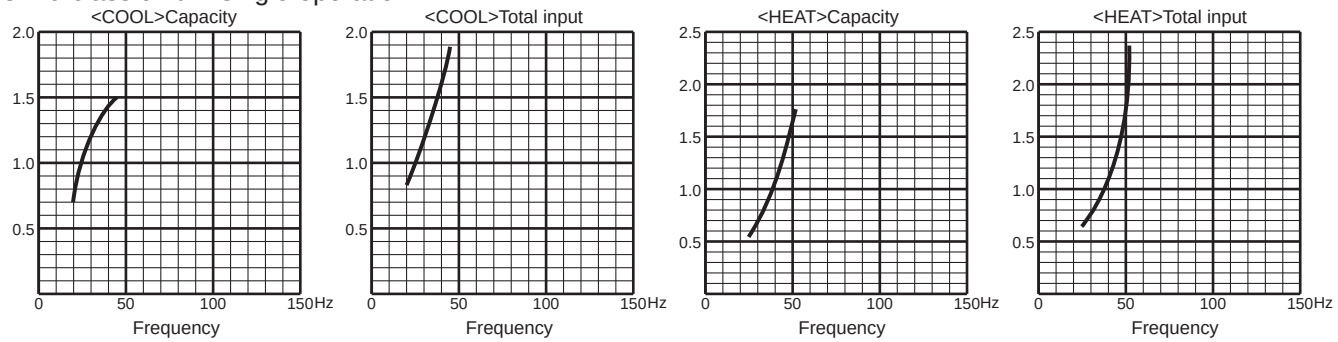
1. 15-class unit in single operation



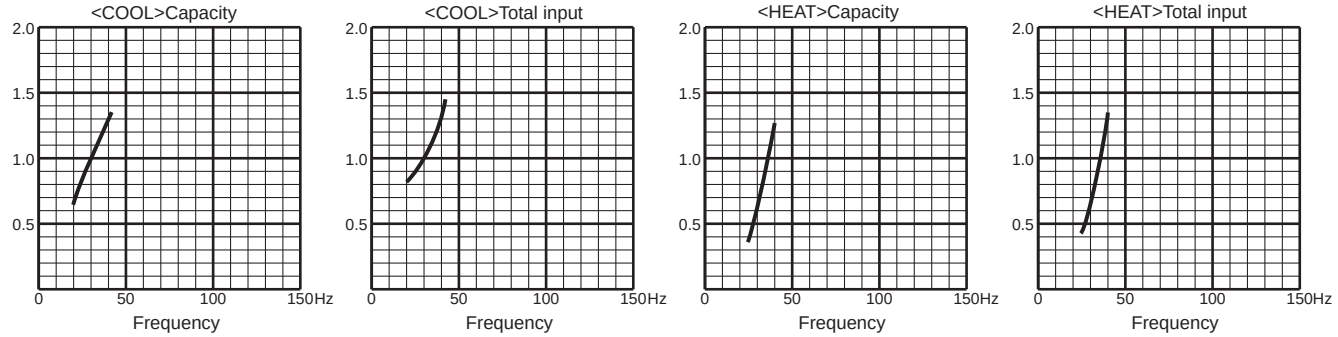
2. 18-class unit in single operation



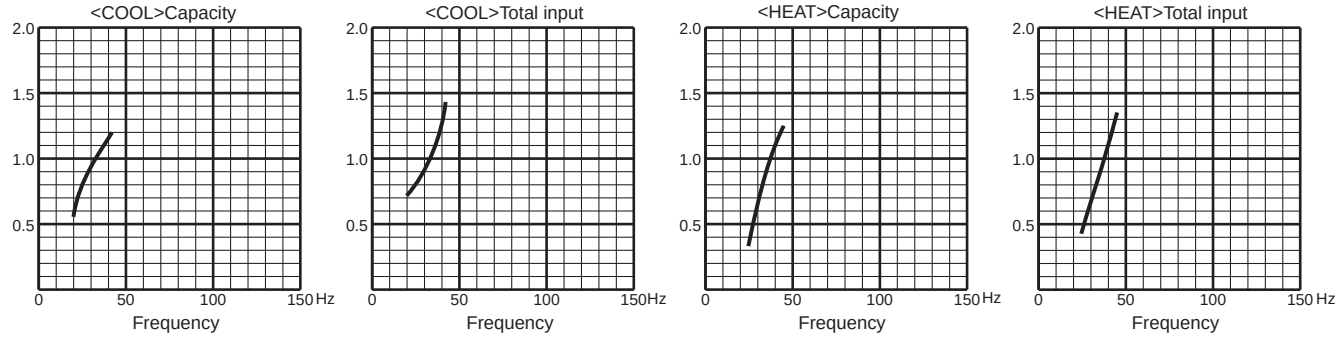
3. 20-class unit in single operation



4. 22-class unit in single operation

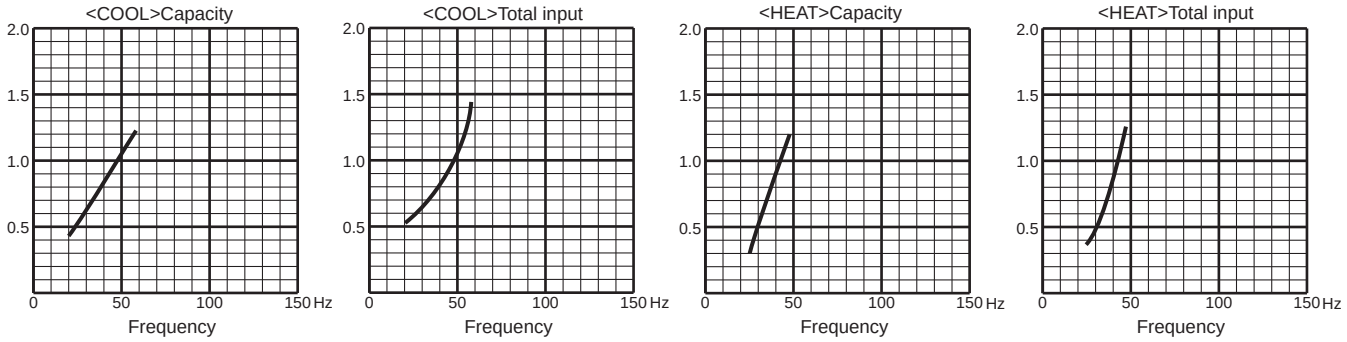


5. 25-class unit in single operation

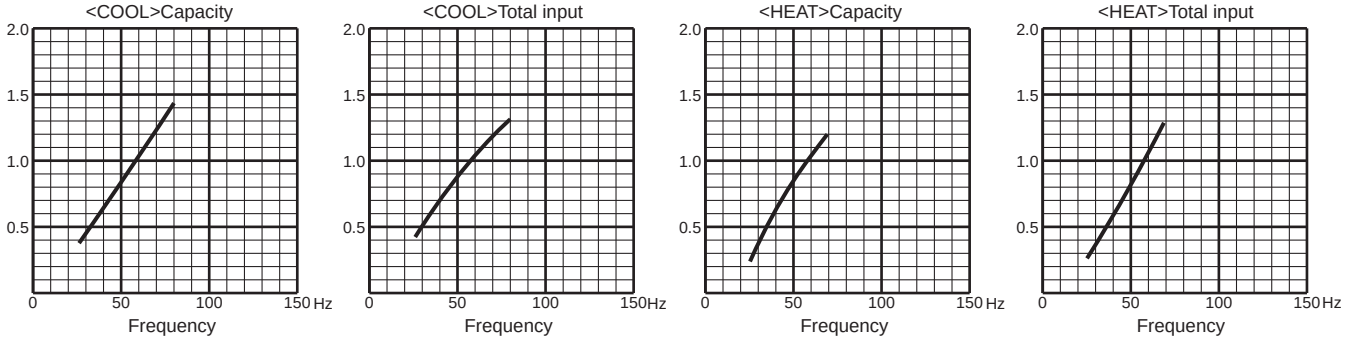


MXZ-4E72VA

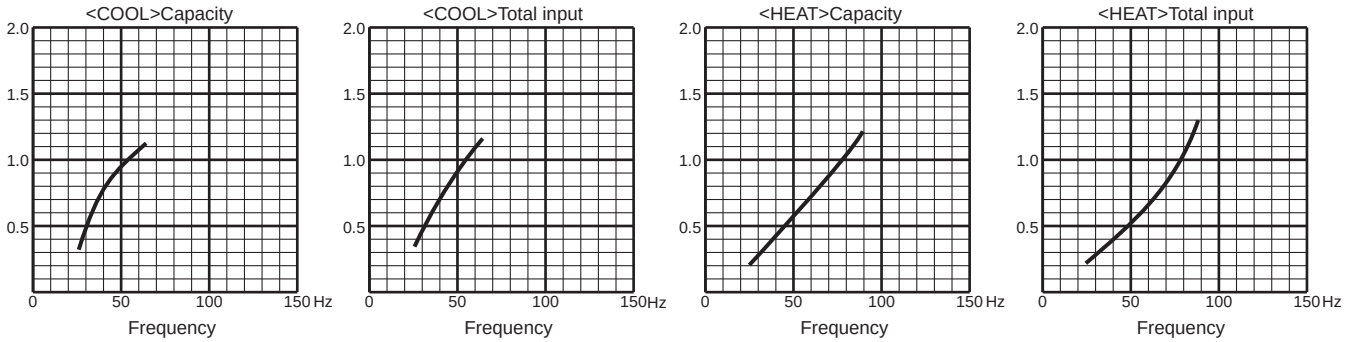
6. 35-class unit in single operation



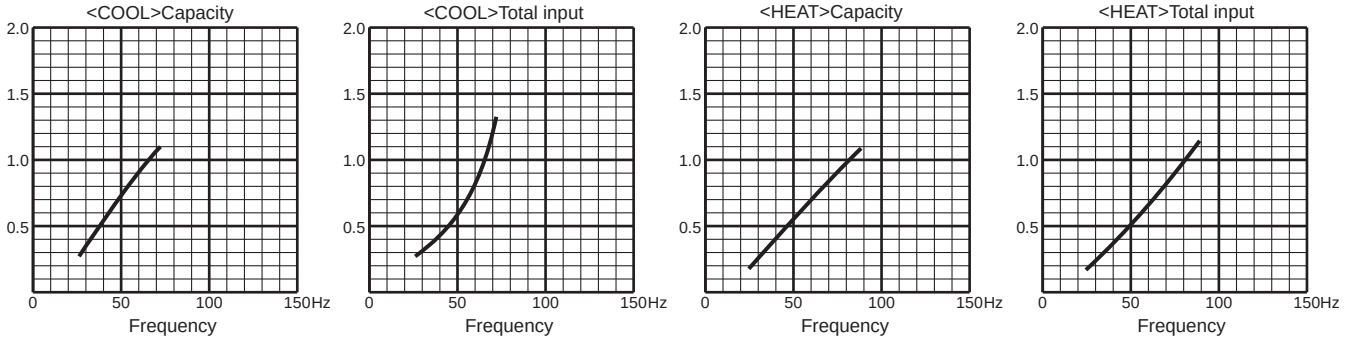
7. 42-class unit in single operation



8. 50-class unit in single operation

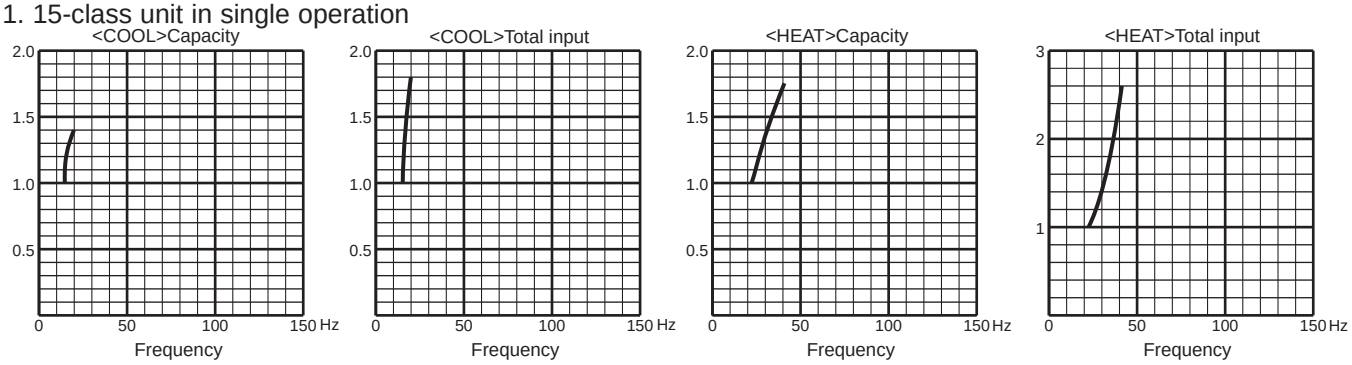


9. 60-class unit in single operation

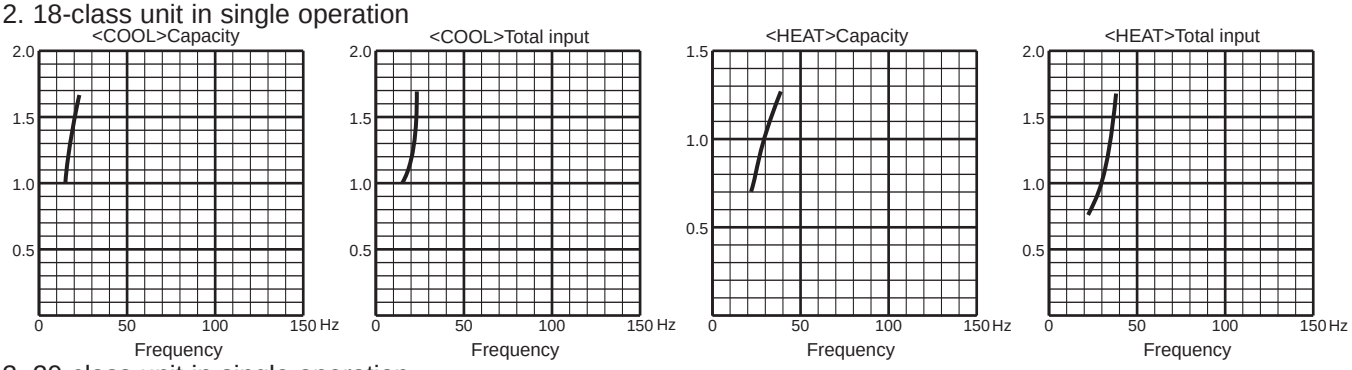


MXZ-4E83VA

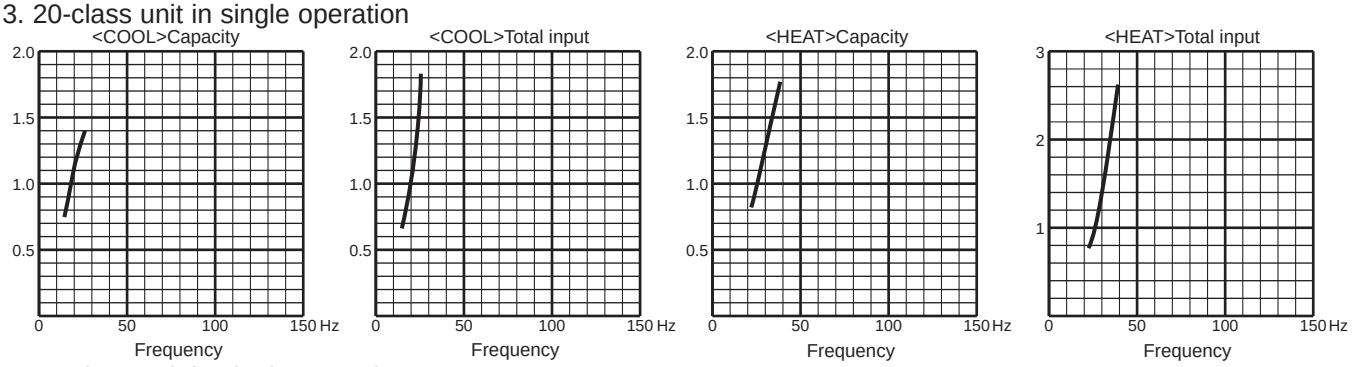
1. 15-class unit in single operation



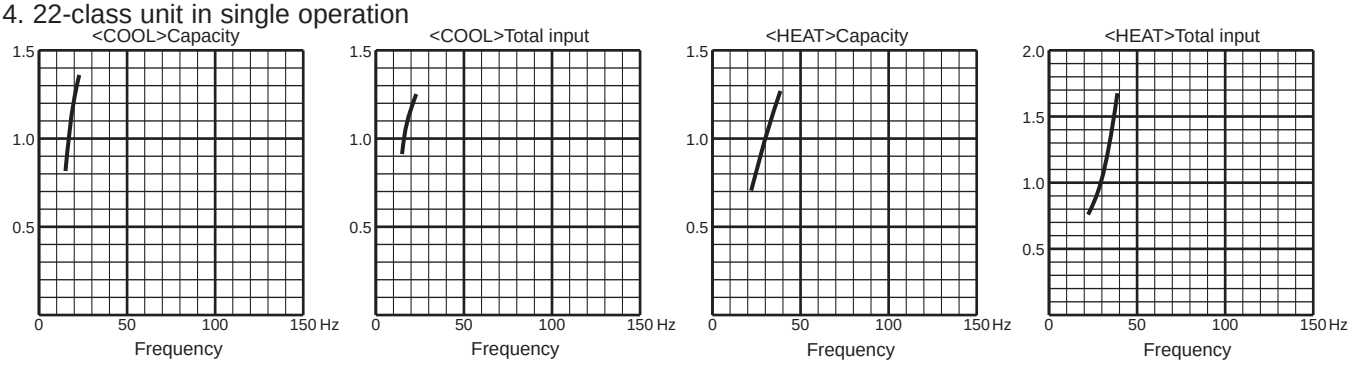
2. 18-class unit in single operation



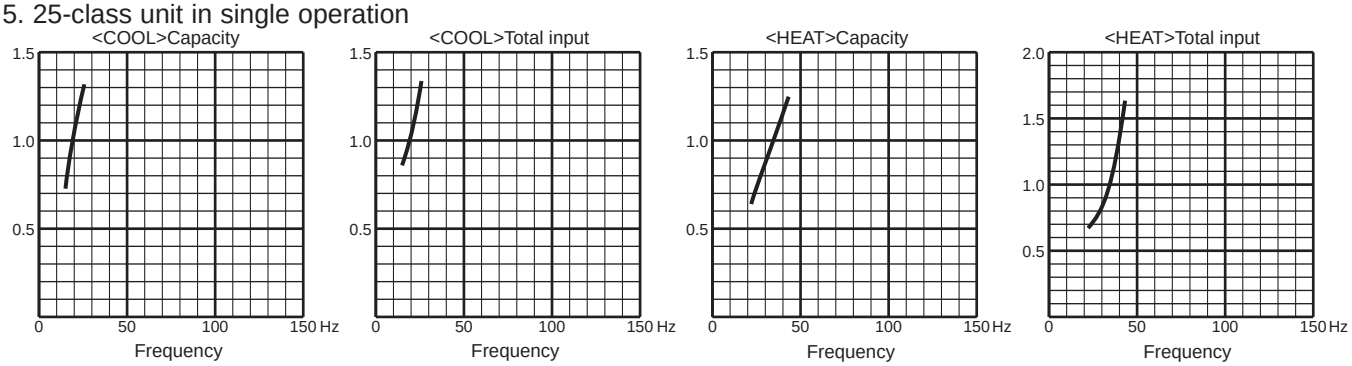
3. 20-class unit in single operation



4. 22-class unit in single operation

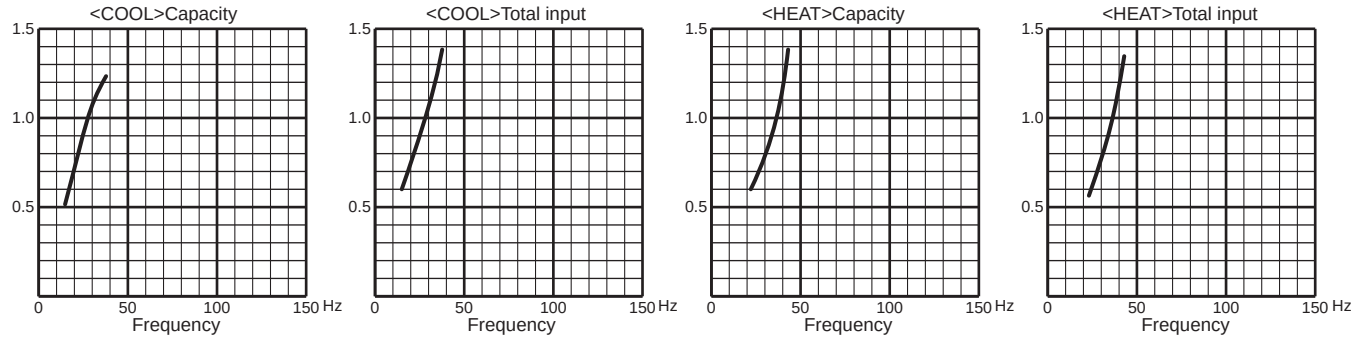


5. 25-class unit in single operation

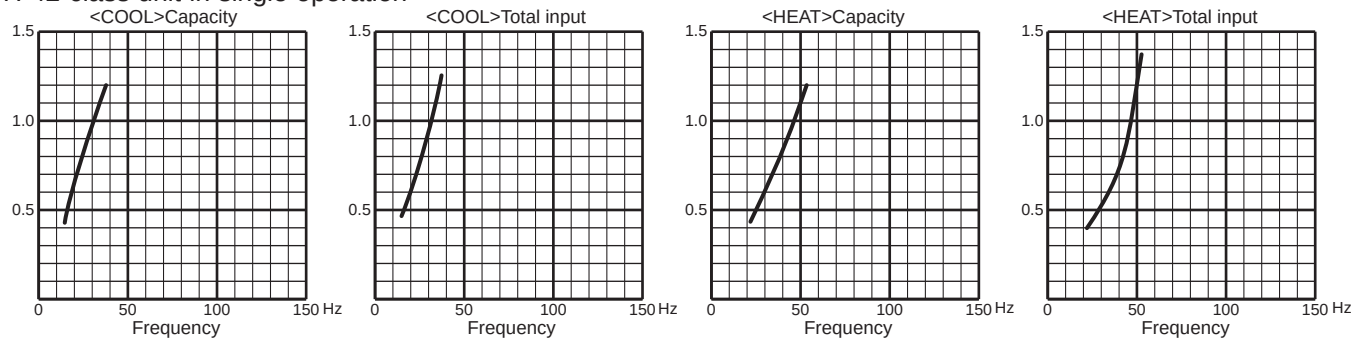


MXZ-4E83VA

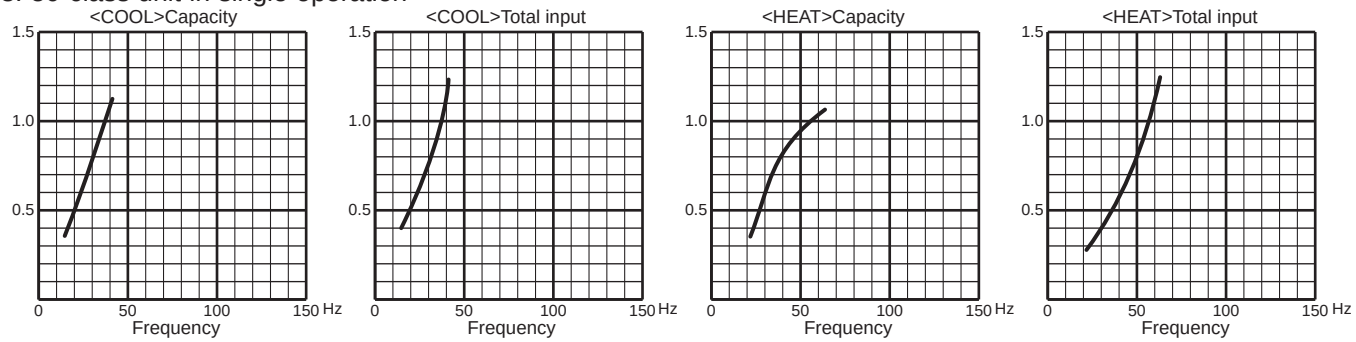
6. 35-class unit in single operation



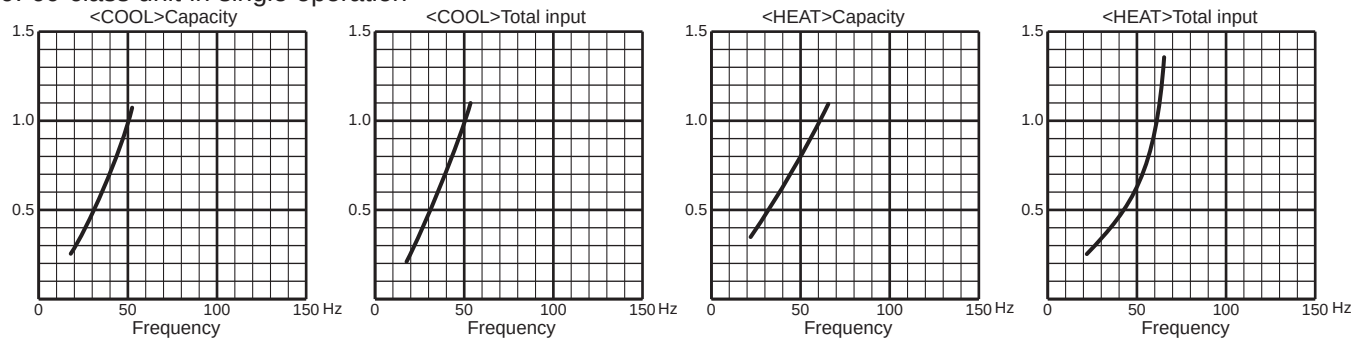
7. 42-class unit in single operation



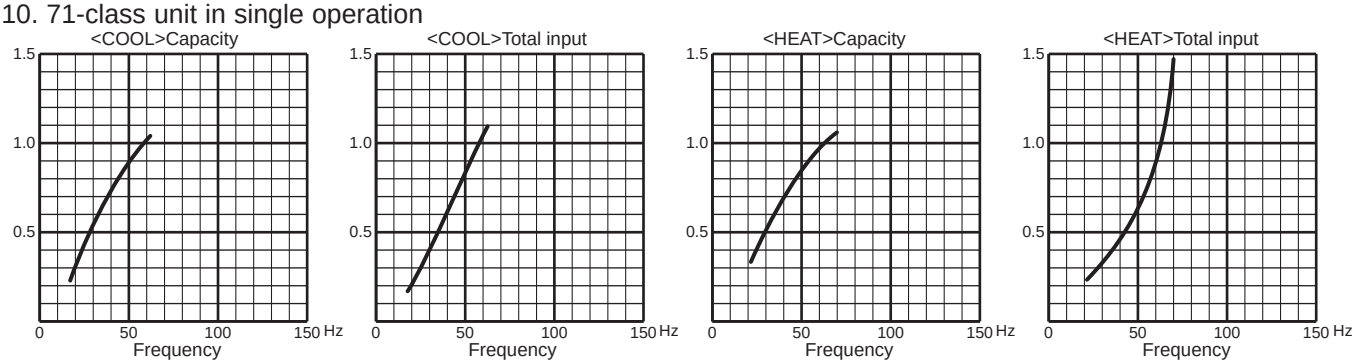
8. 50-class unit in single operation



9. 60-class unit in single operation

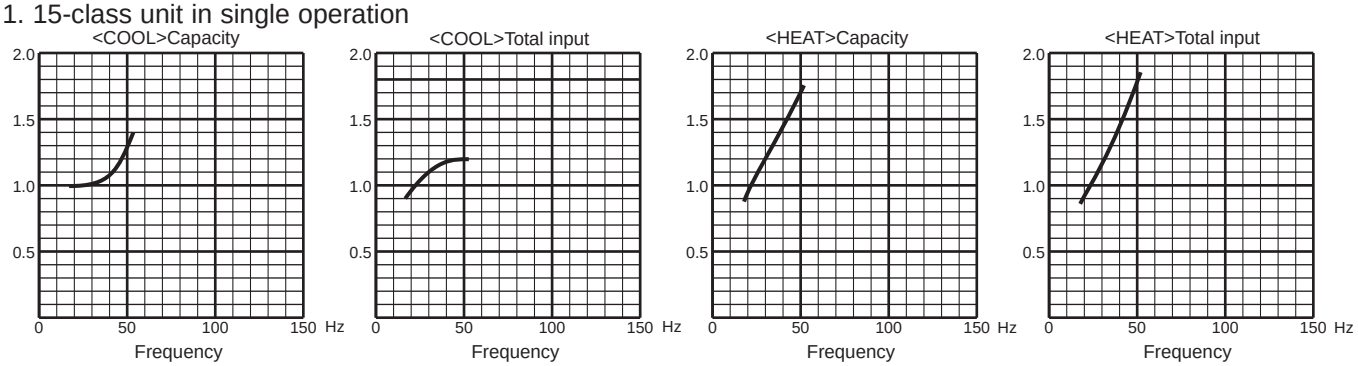


10. 71-class unit in single operation

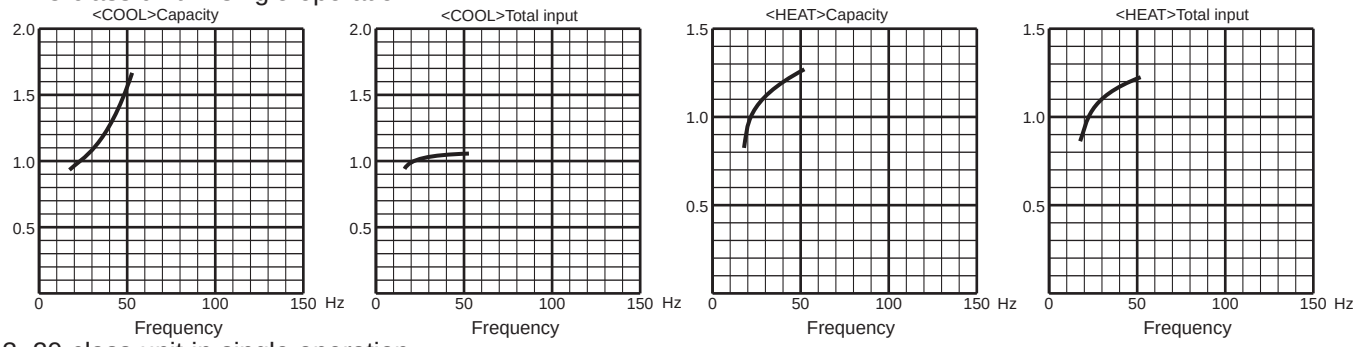


MXZ-4E83VAHZ

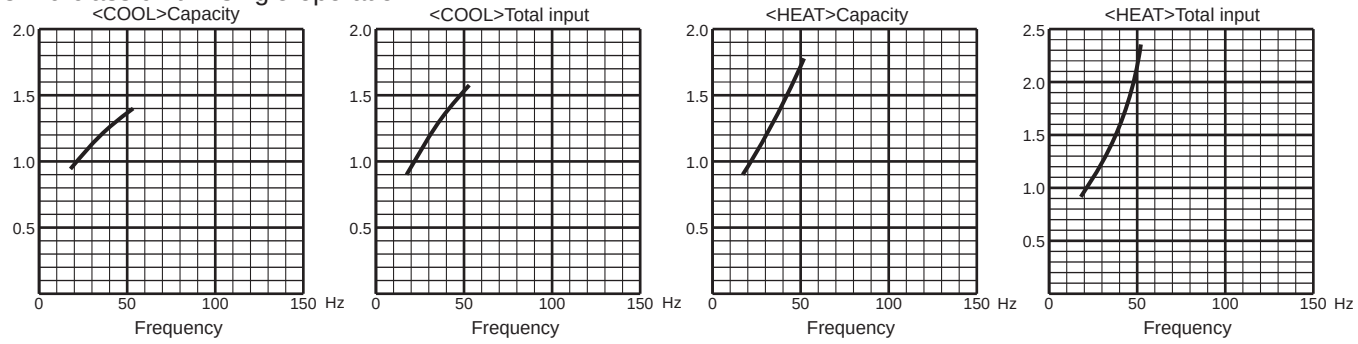
1. 15-class unit in single operation



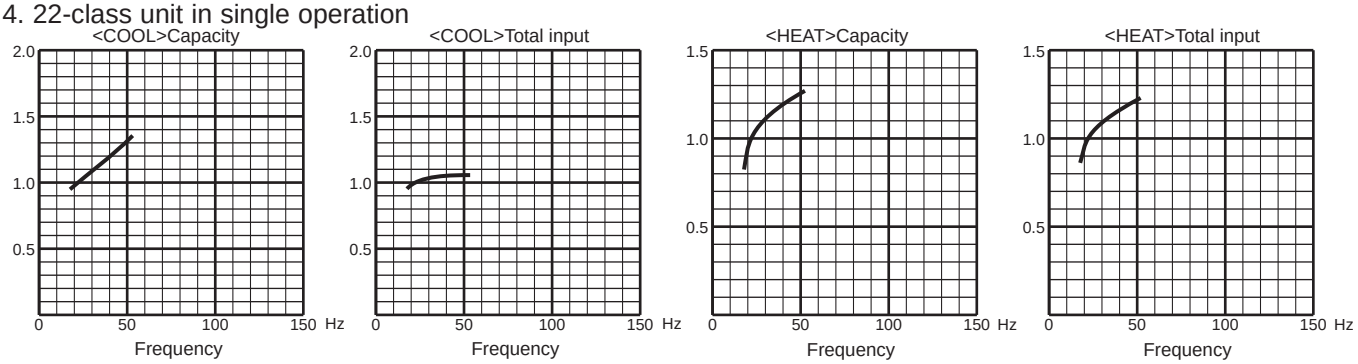
2. 18-class unit in single operation



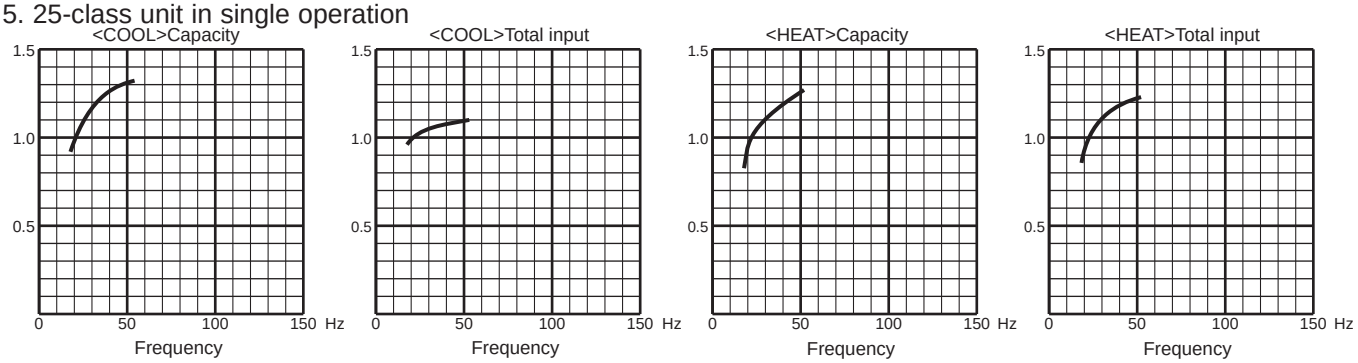
3. 20-class unit in single operation



4. 22-class unit in single operation

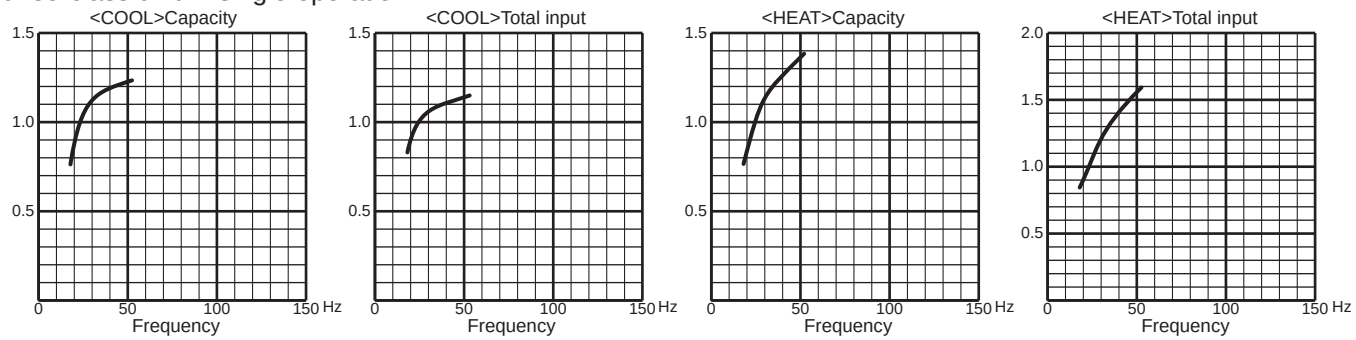


5. 25-class unit in single operation

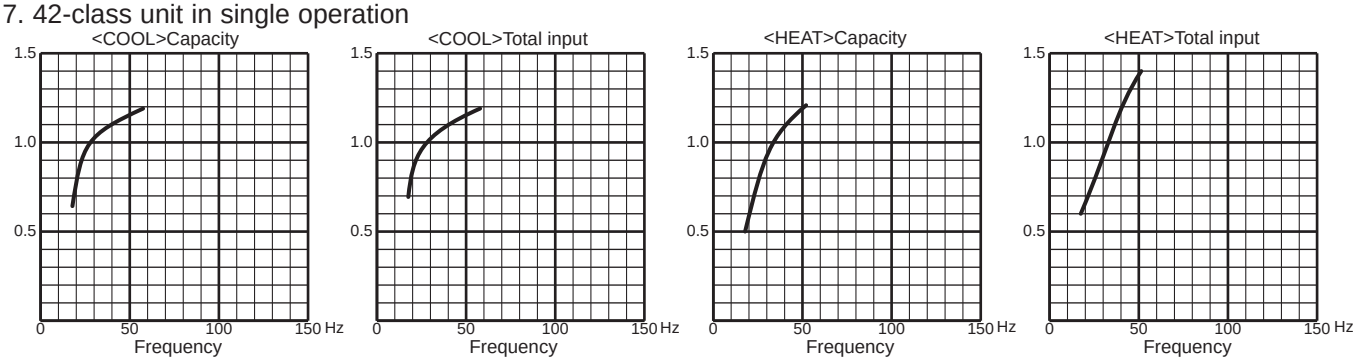


MXZ-4E83VAHZ

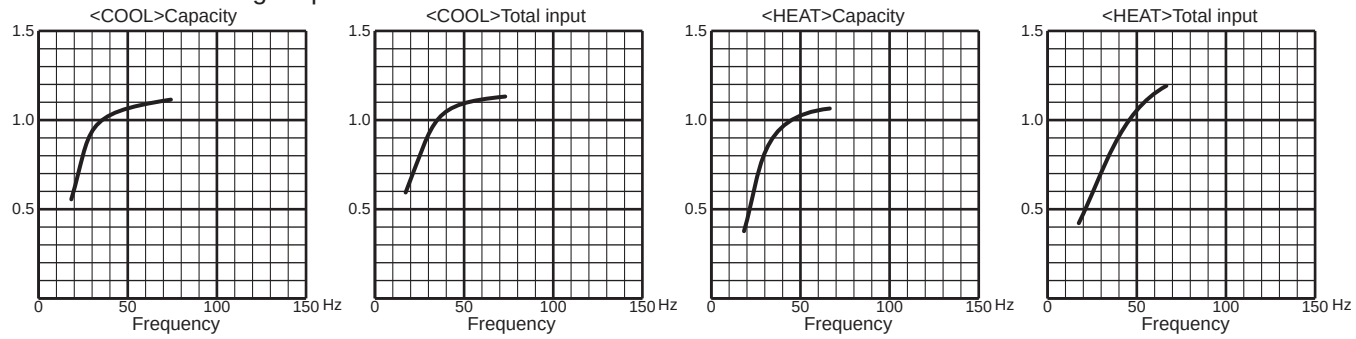
6. 35-class unit in single operation



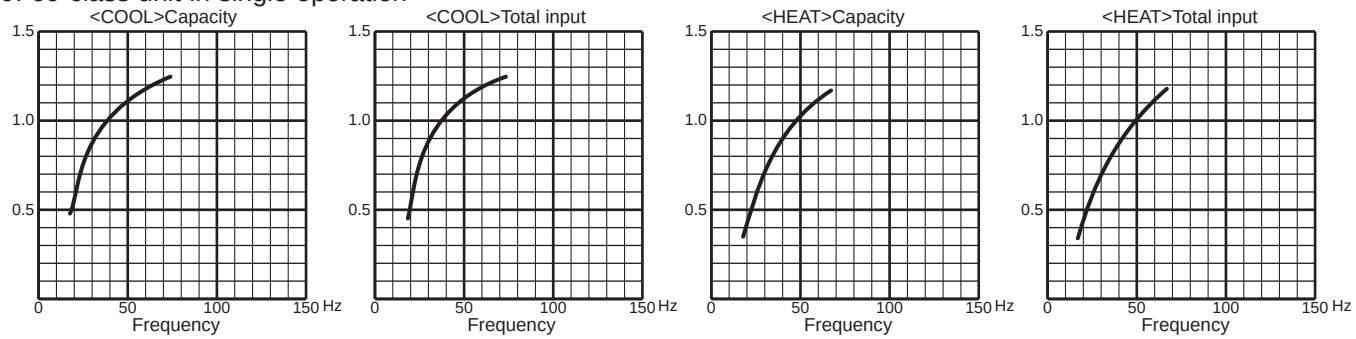
7. 42-class unit in single operation



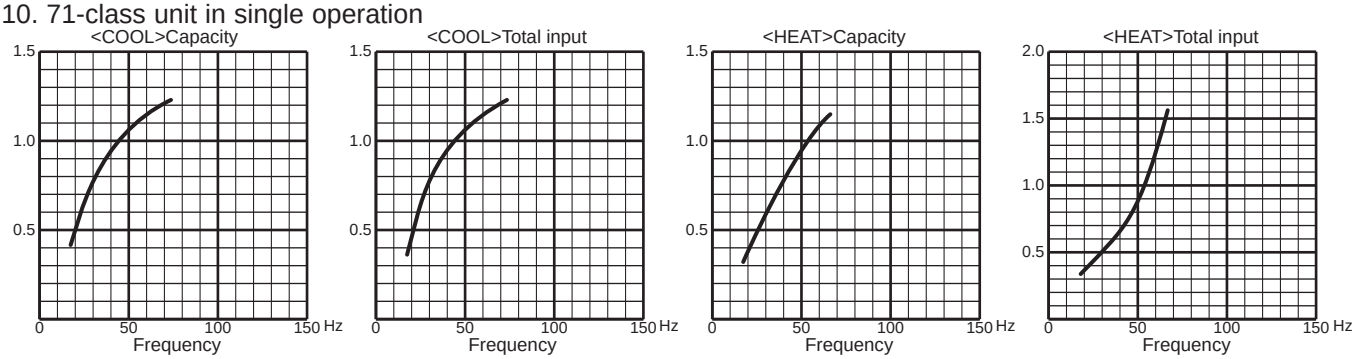
8. 50-class unit in single operation



9. 60-class unit in single operation

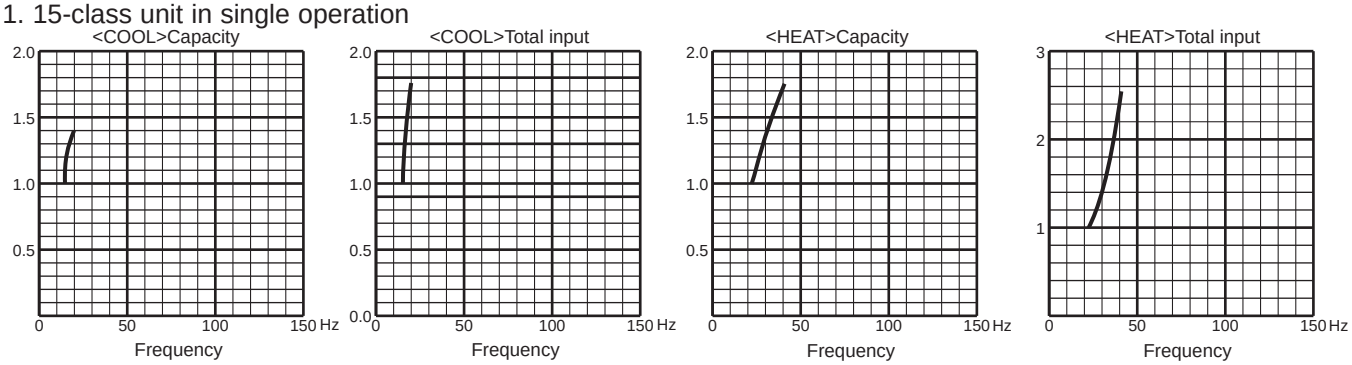


10. 71-class unit in single operation

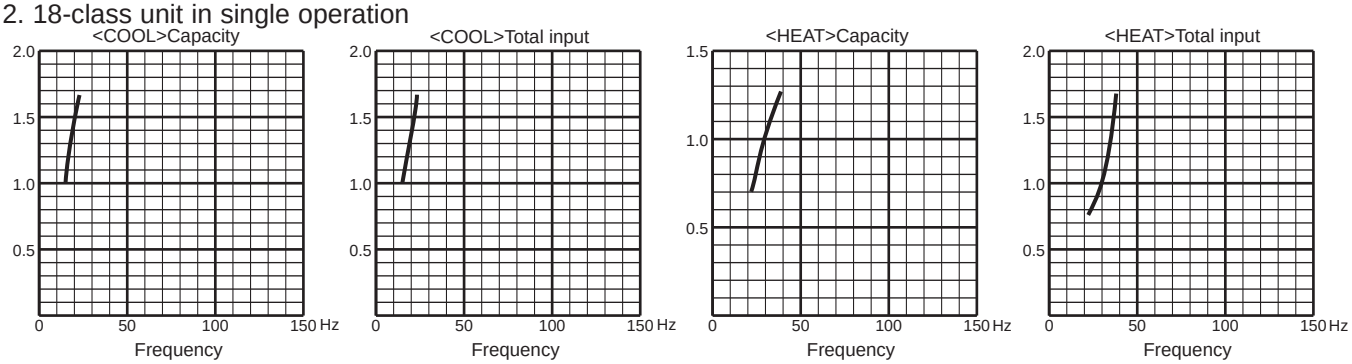


MXZ-5E102VA

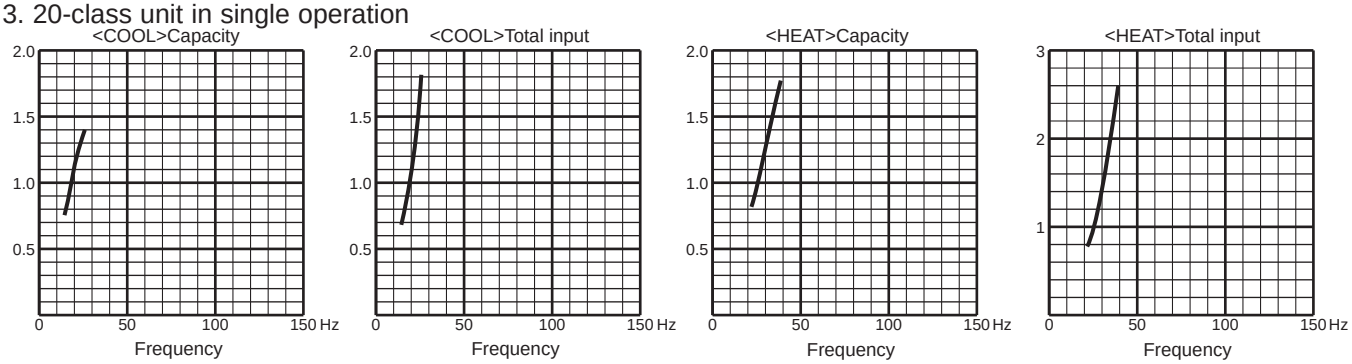
1. 15-class unit in single operation



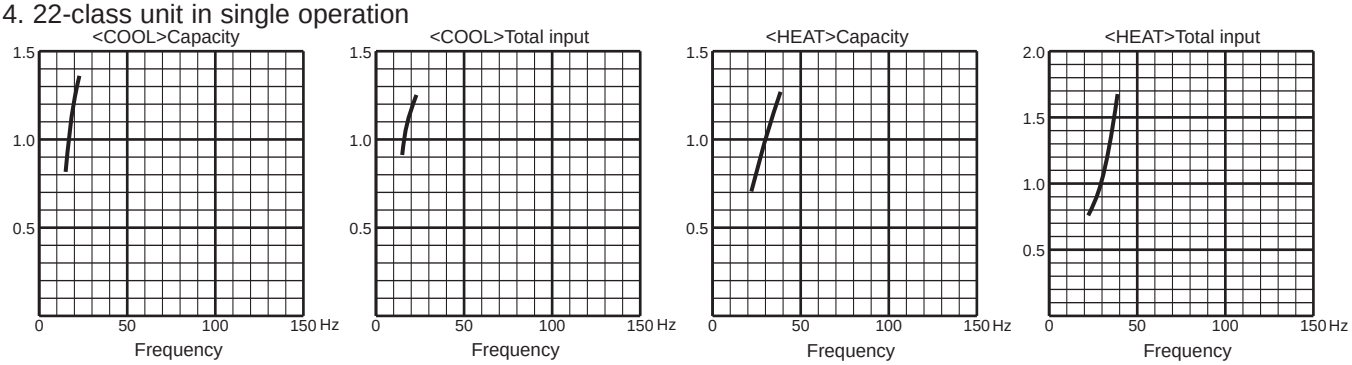
2. 18-class unit in single operation



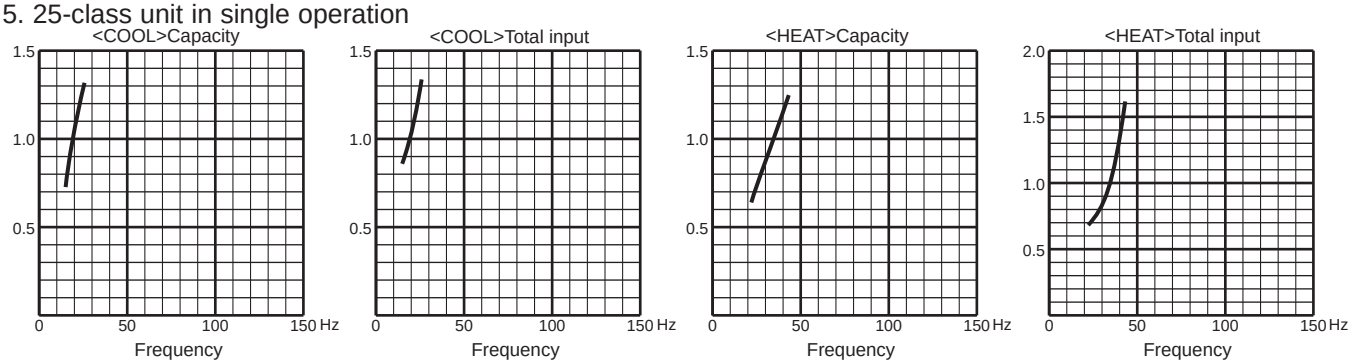
3. 20-class unit in single operation



4. 22-class unit in single operation

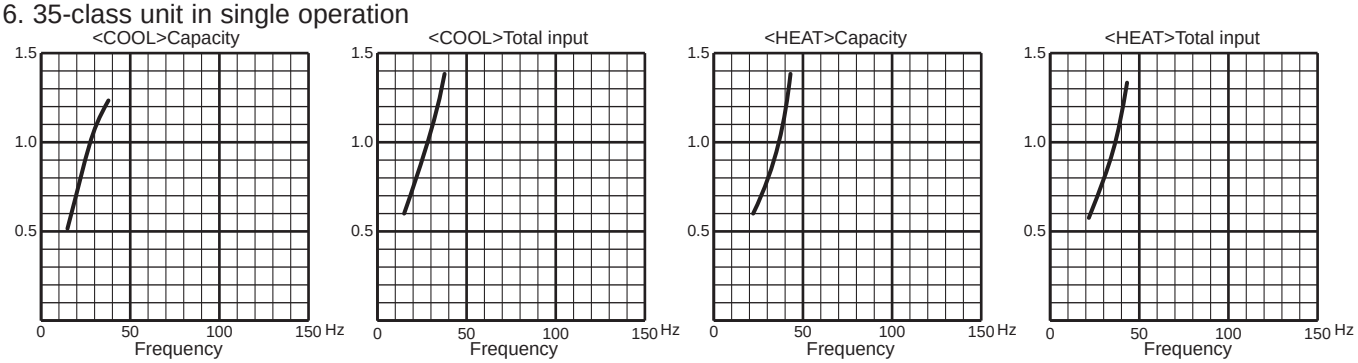


5. 25-class unit in single operation

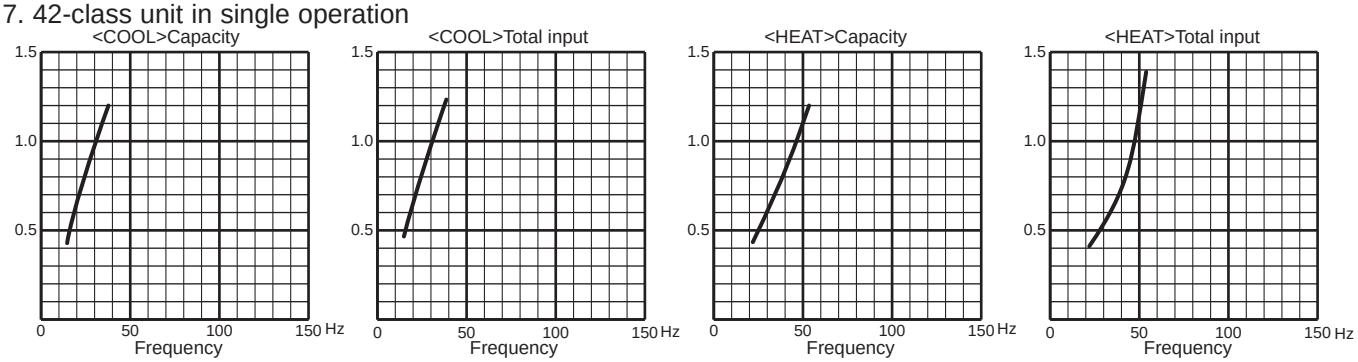


MXZ-5E102VA

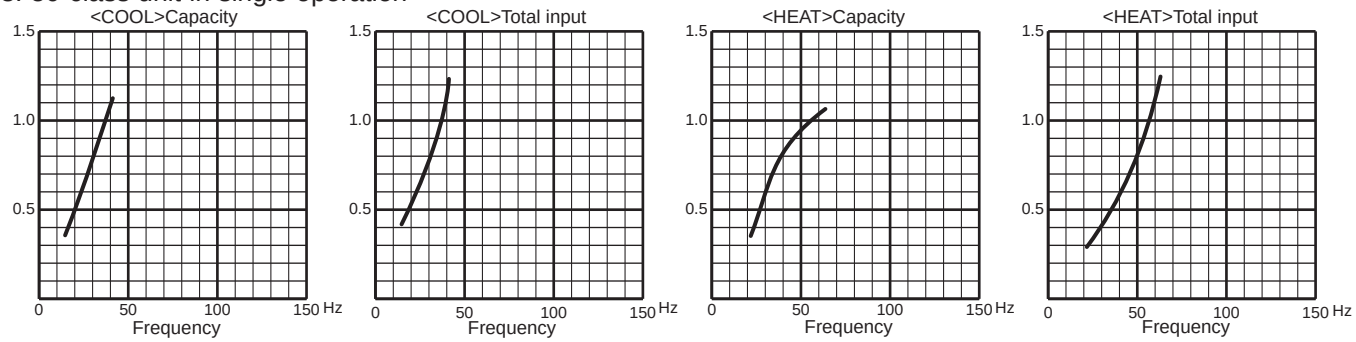
6. 35-class unit in single operation



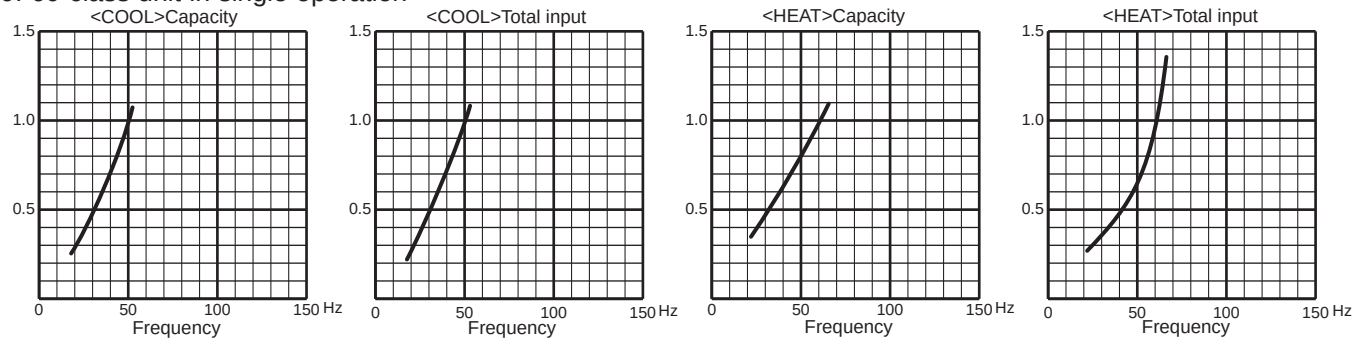
7. 42-class unit in single operation



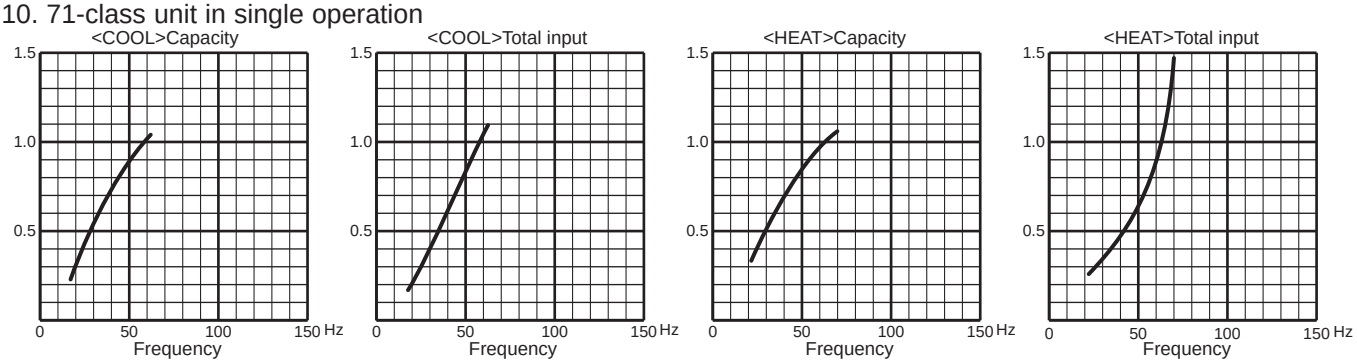
8. 50-class unit in single operation



9. 60-class unit in single operation

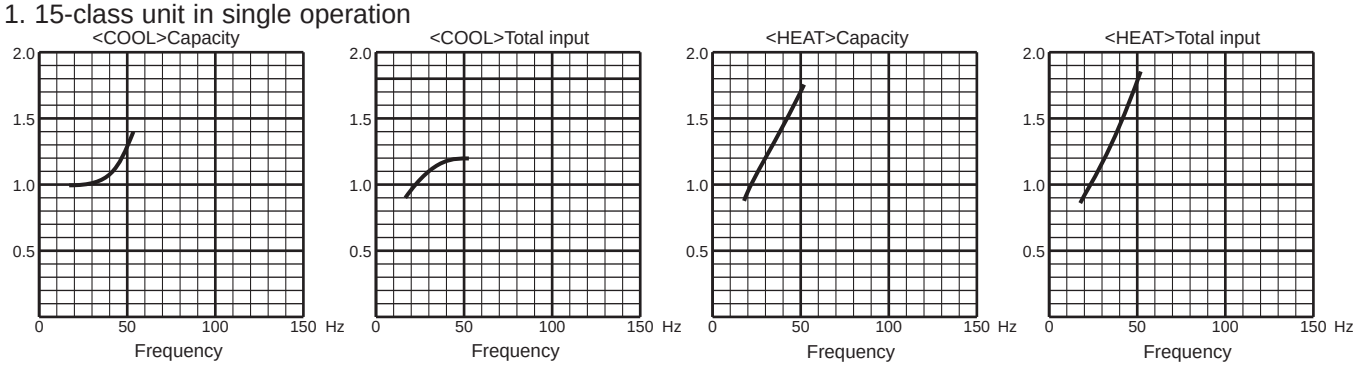


10. 71-class unit in single operation

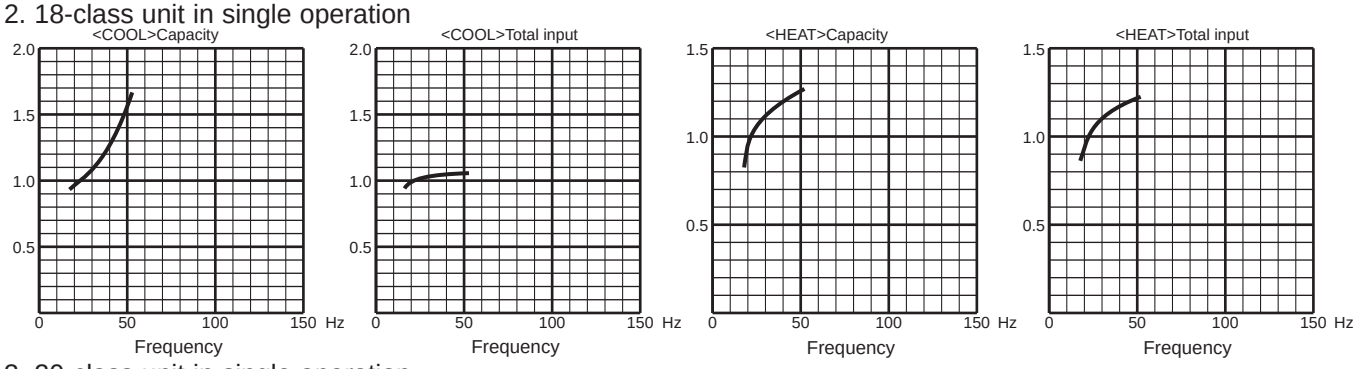


MXZ-6D122VA2

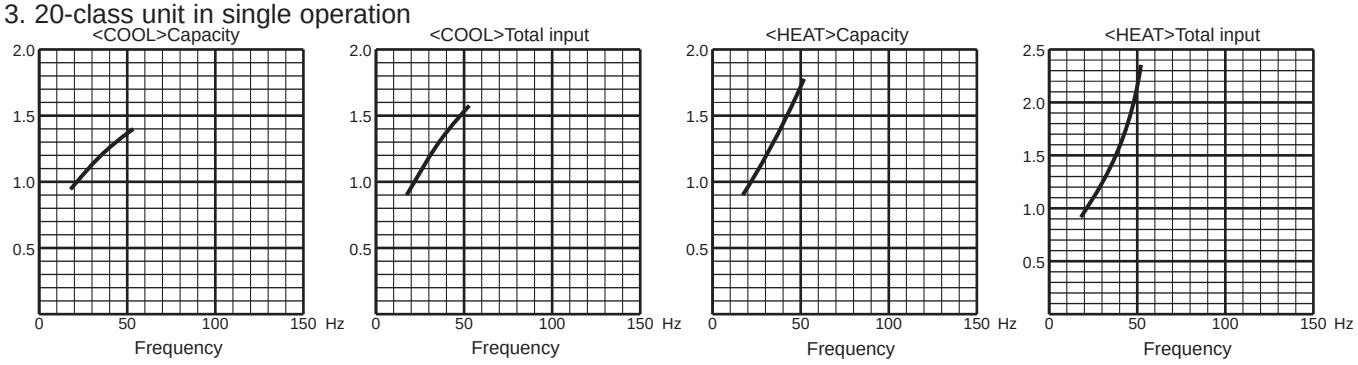
1. 15-class unit in single operation



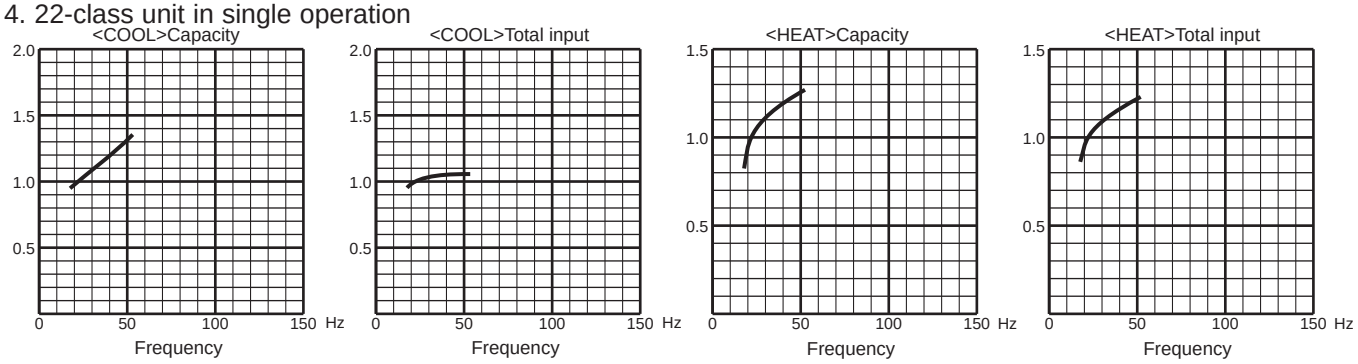
2. 18-class unit in single operation



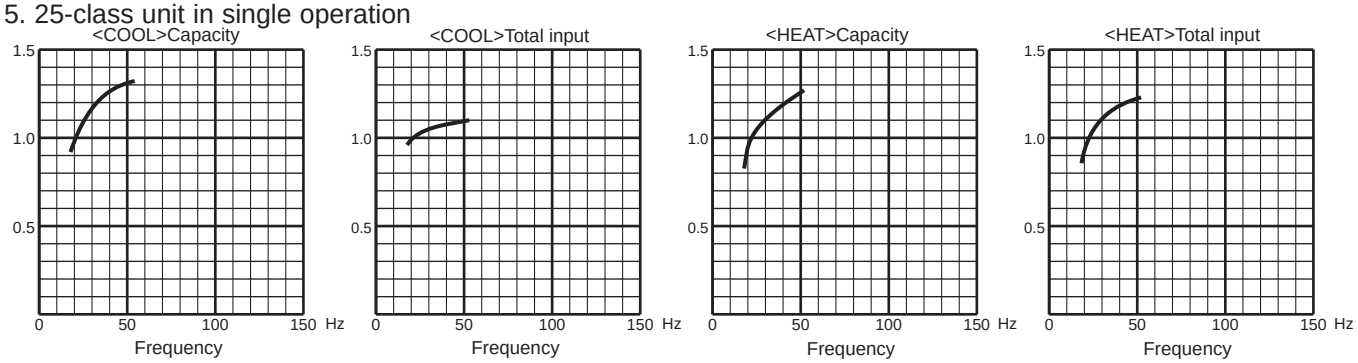
3. 20-class unit in single operation



4. 22-class unit in single operation

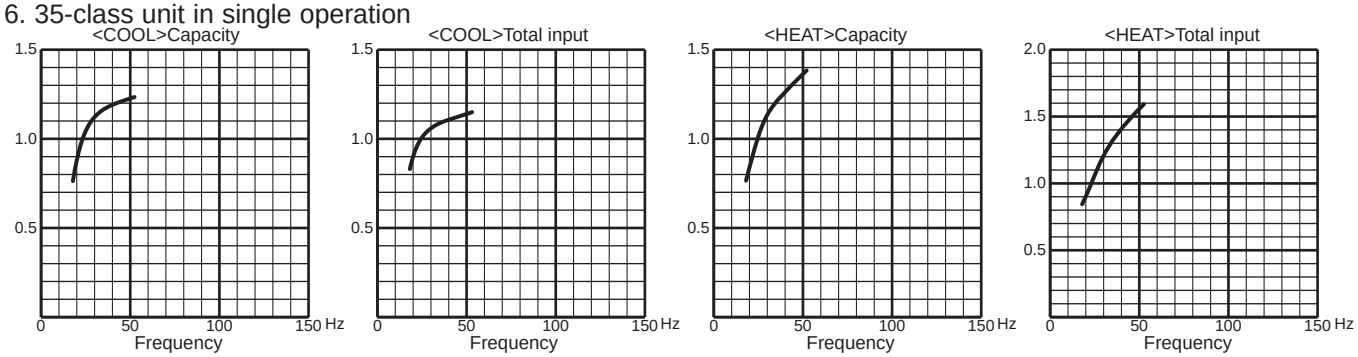


5. 25-class unit in single operation

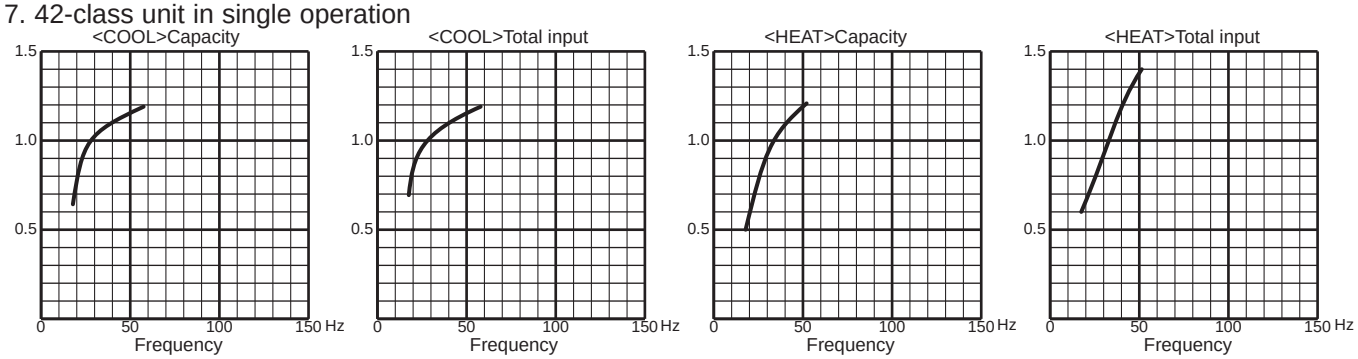


MXZ-6D122VA2

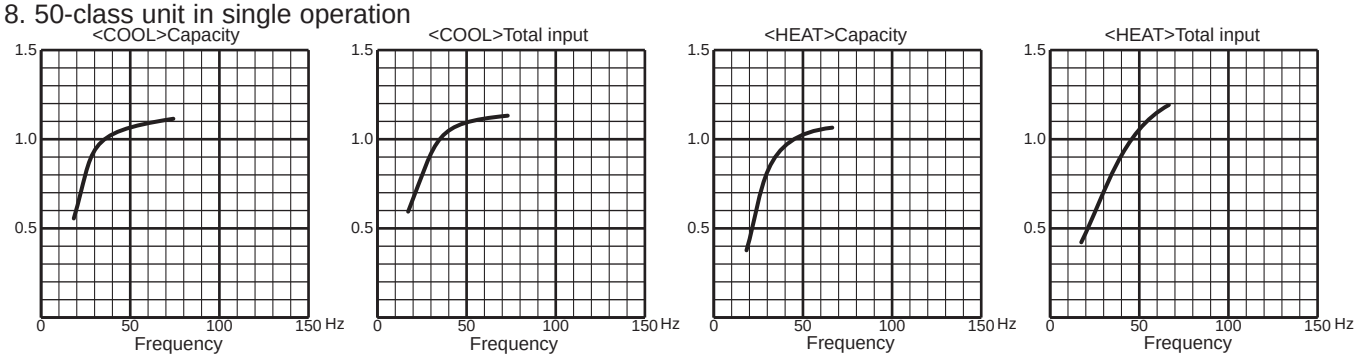
6. 35-class unit in single operation



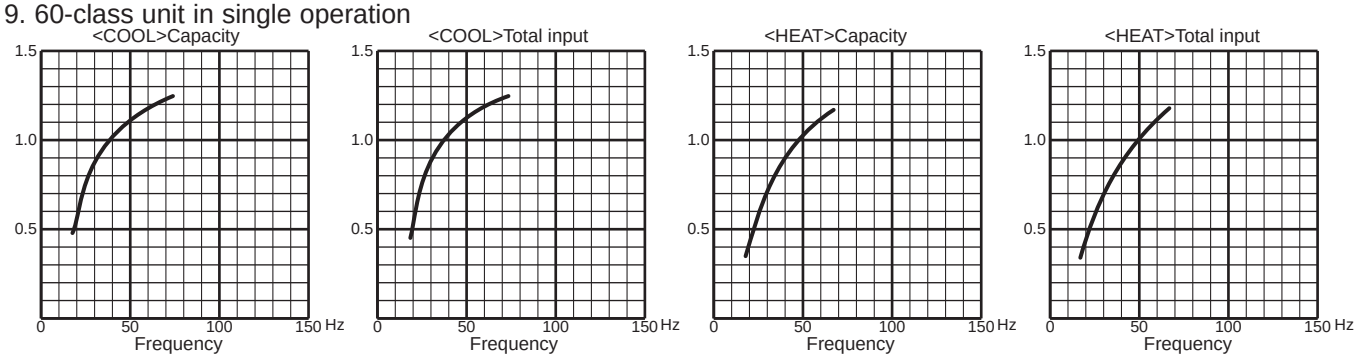
7. 42-class unit in single operation



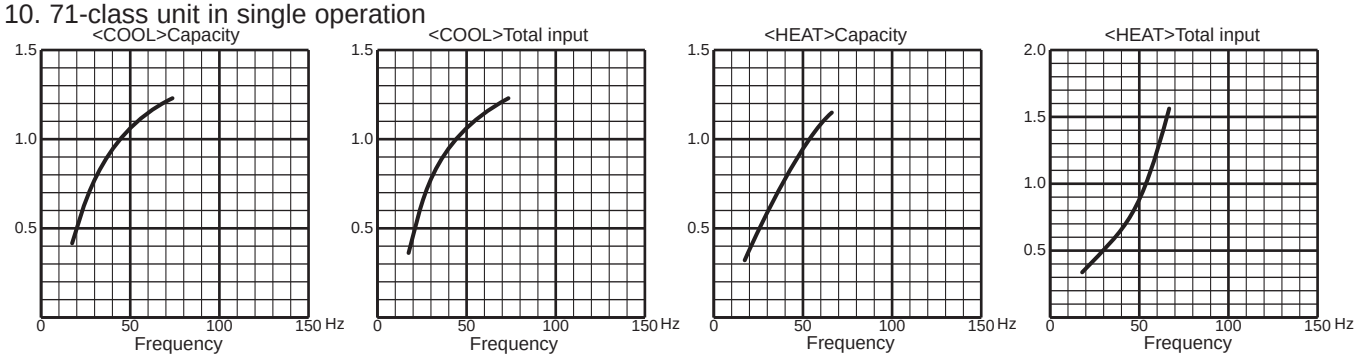
8. 50-class unit in single operation



9. 60-class unit in single operation

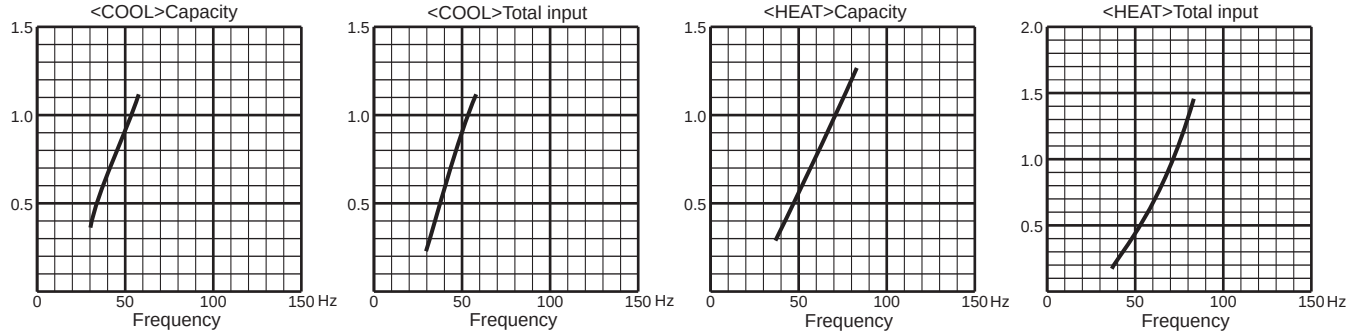


10. 71-class unit in single operation

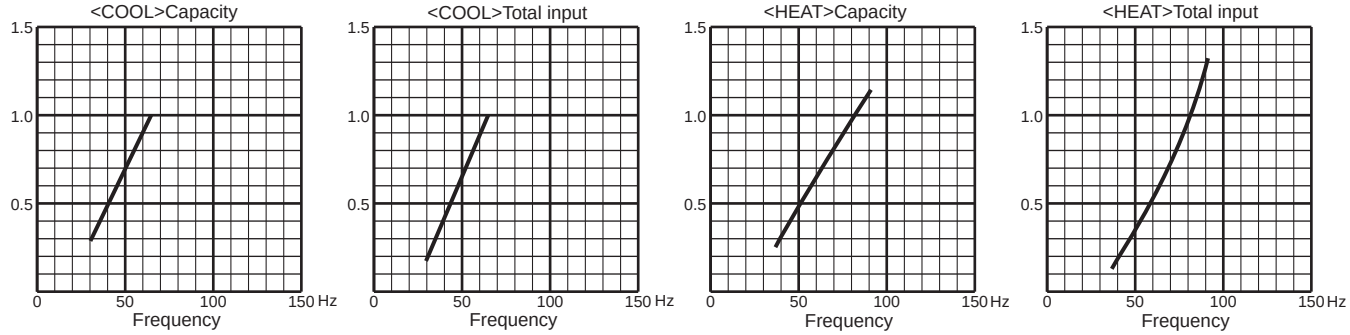


MXZ-2DM40VA

1. 25-class unit in single operation

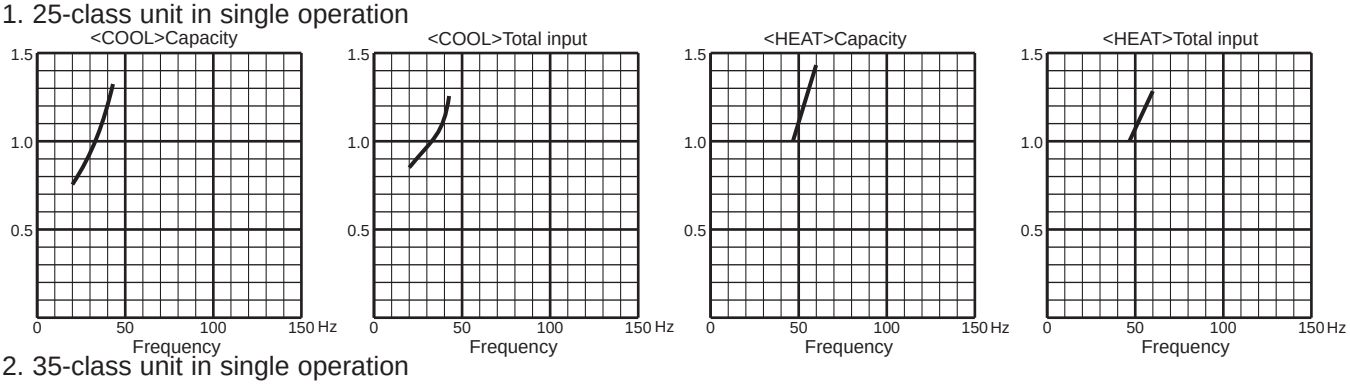


2. 35-class unit in single operation

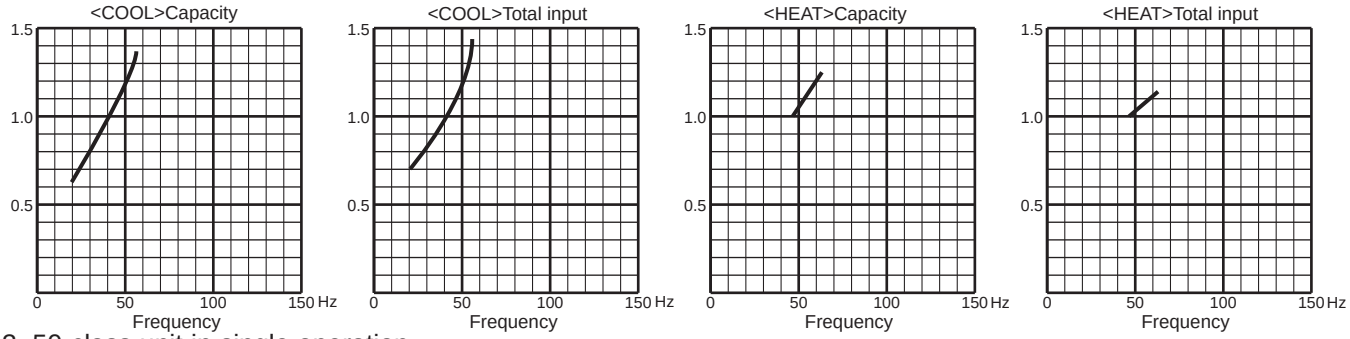


MXZ-3DM50VA

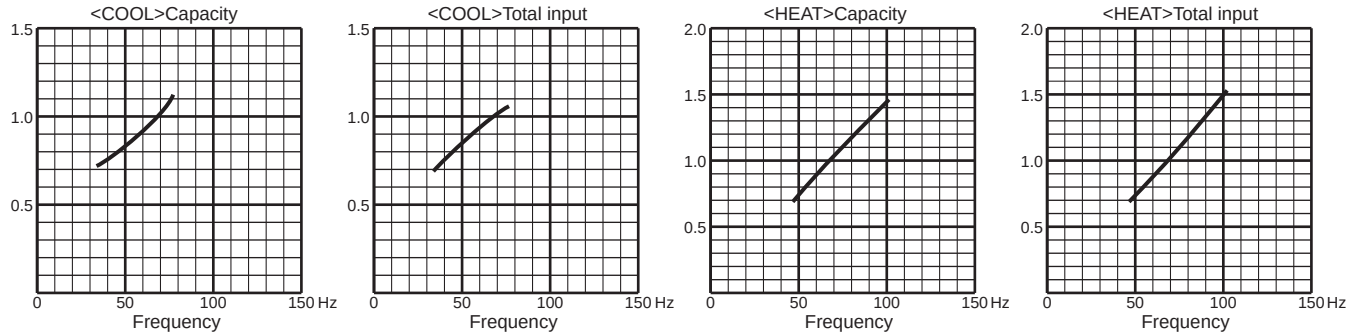
1. 25-class unit in single operation



2. 35-class unit in single operation

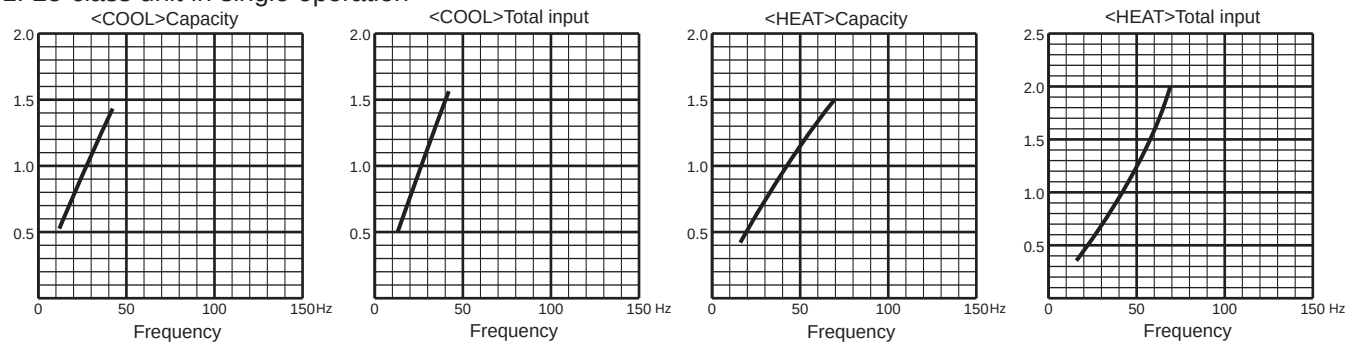


3. 50-class unit in single operation

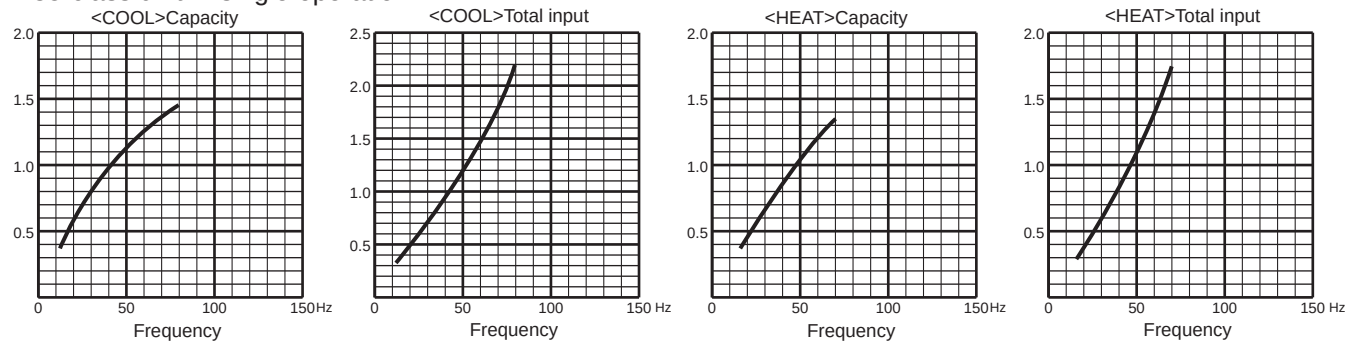


MXZ-2HA40VF

1. 25-class unit in single operation

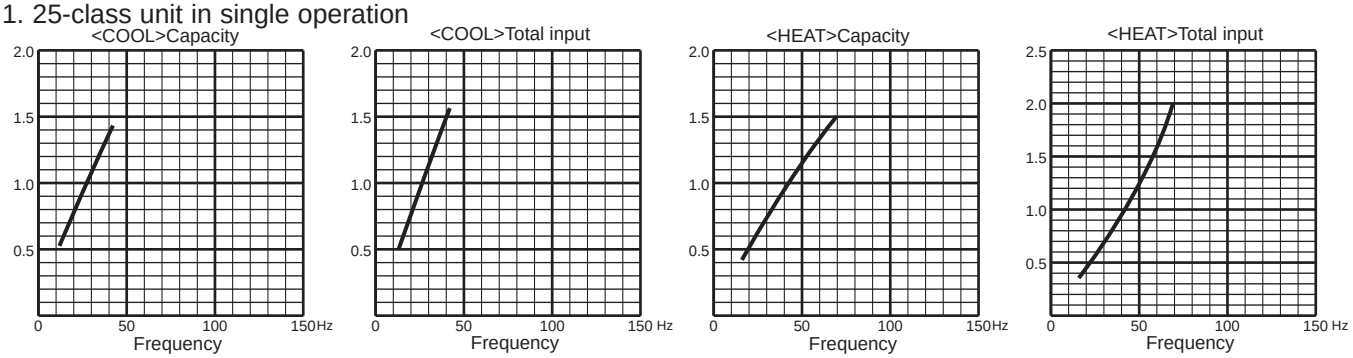


2. 35-class unit in single operation

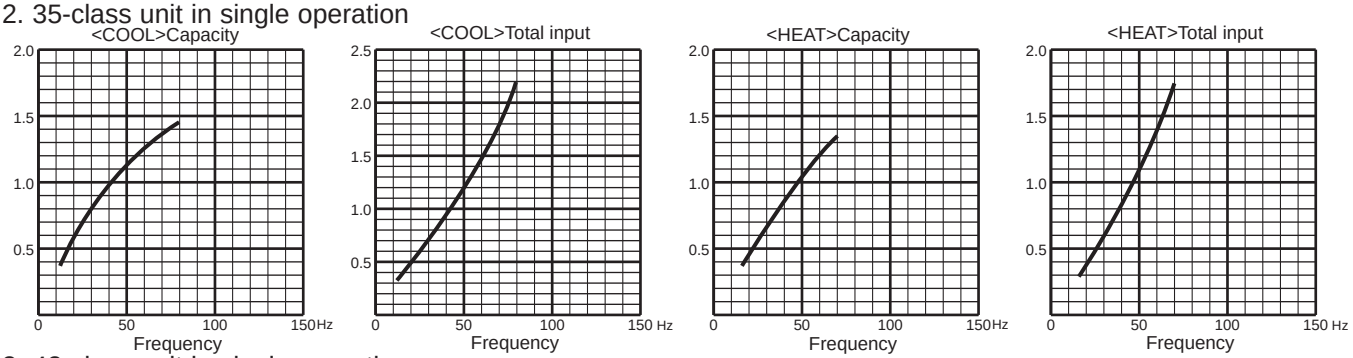


MXZ-2HA50VF

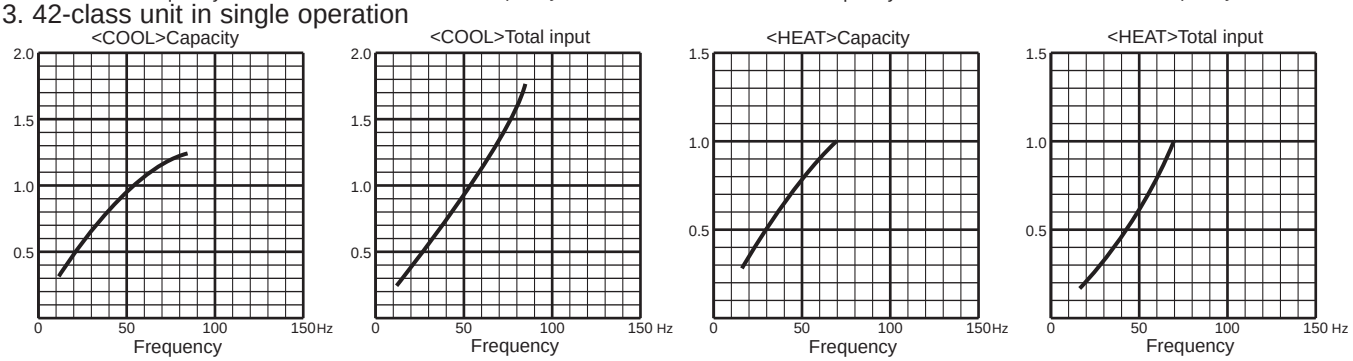
1. 25-class unit in single operation



2. 35-class unit in single operation

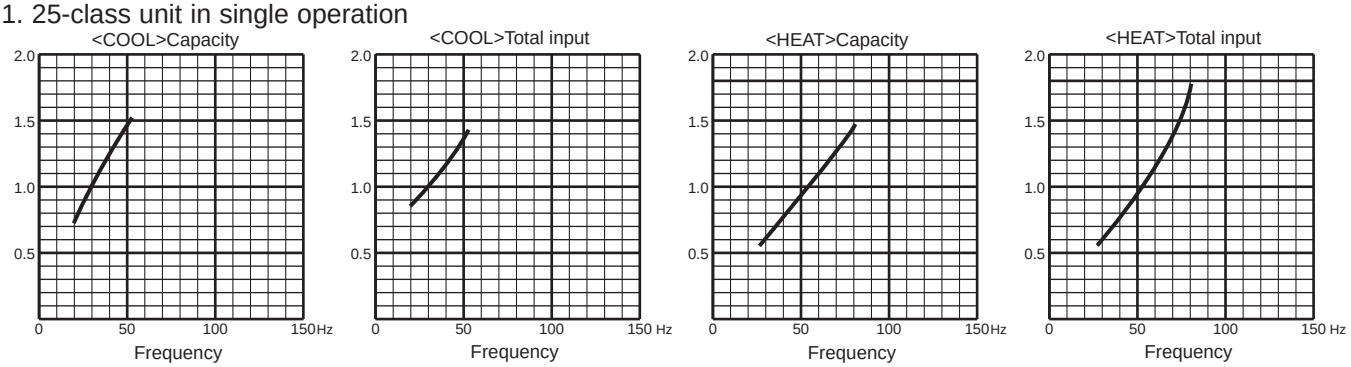


3. 42-class unit in single operation

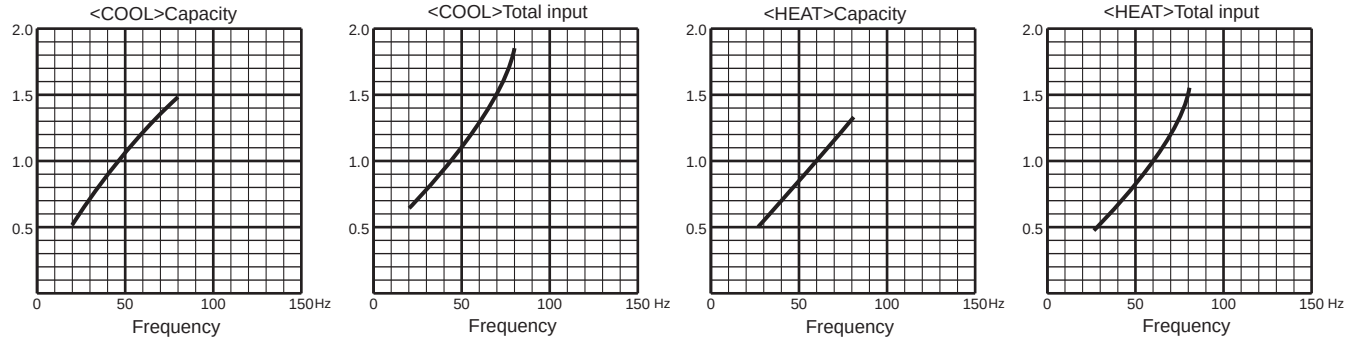


MXZ-3HA50VF

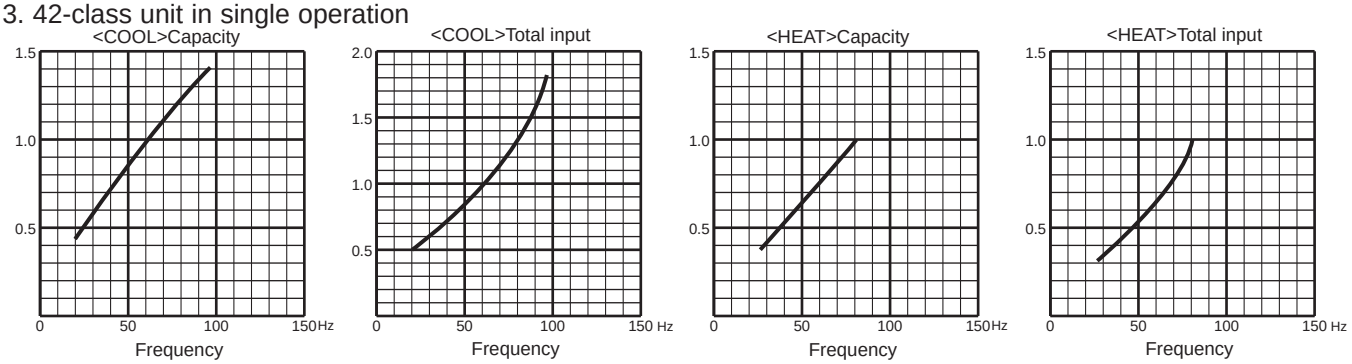
1. 25-class unit in single operation



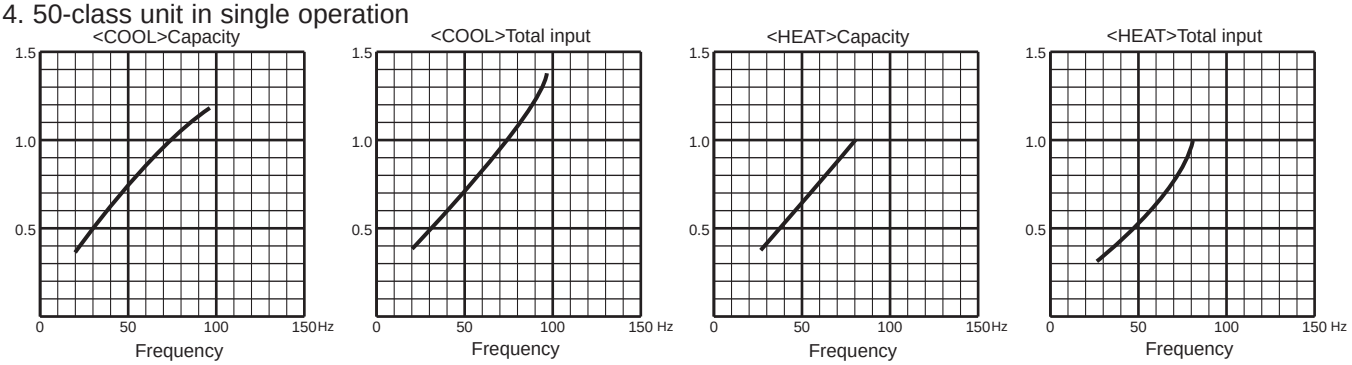
2. 35-class unit in single operation



3. 42-class unit in single operation



4. 50-class unit in single operation



TEST RUN OPERATION (How to operate fixed-frequency operation)

1. Press EMERGENCY OPERATION switch to COOL or HEAT mode (COOL: Press once, HEAT: Press twice).
2. Test run operation starts and continues to operate for 30 minutes.
3. Compressor operates at rated frequency.
4. Indoor fan operates at High speed.
5. After 30 minutes, test run operation finishes and EMERGENCY OPERATION starts (Operation frequency of compressor varies).
6. To cancel test run operation (EMERGENCY OPERATION), press EMERGENCY OPERATION switch or any button on remote controller.

OUTDOOR LOW PRESSURE AND OUTDOOR UNIT CURRENT (single operation)

NOTE: The unit of pressure has been changed to MPa on the international system of units (SI unit system).
The conversion factor is: **1 (MPa [Gauge]) = 10.2 (kgf/cm² [Gauge])**

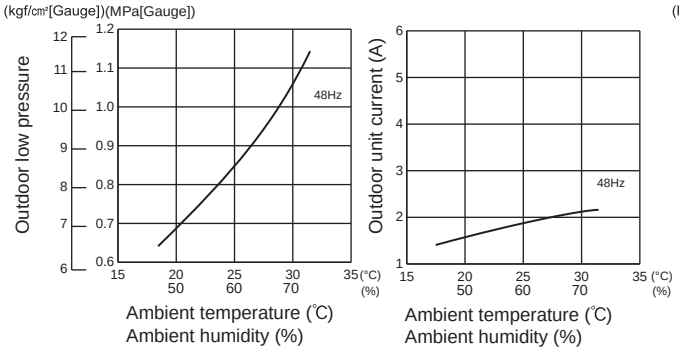
COOL operation

① Both indoor and outdoor unit are under the same temperature/humidity condition.
② Operation: TEST RUN OPERATION

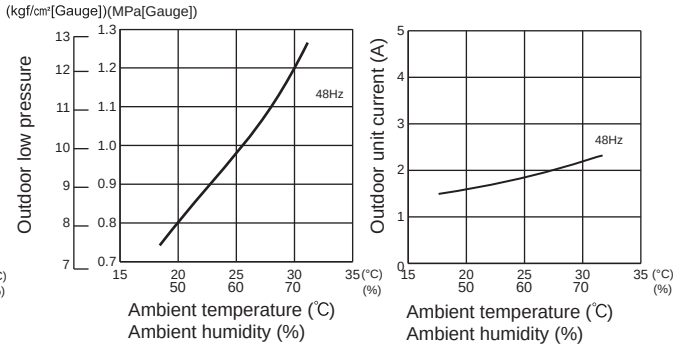
Dry-bulb temperature (℃)	Relative humidity (%)
20	50
25	60
30	70

MXZ-2F33VF3

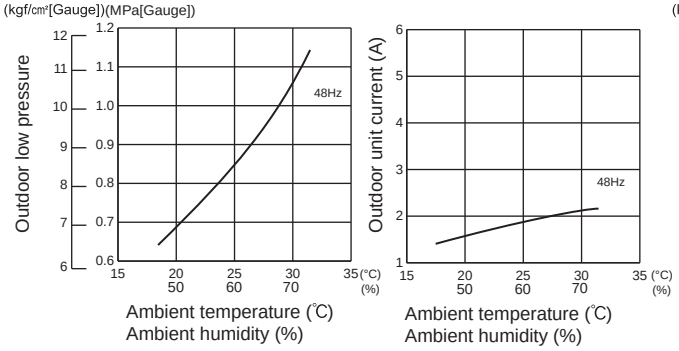
1. 15-class unit in single operation



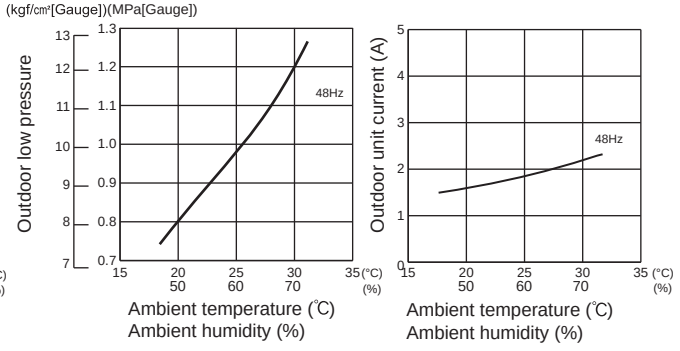
2. 18-class unit in single operation



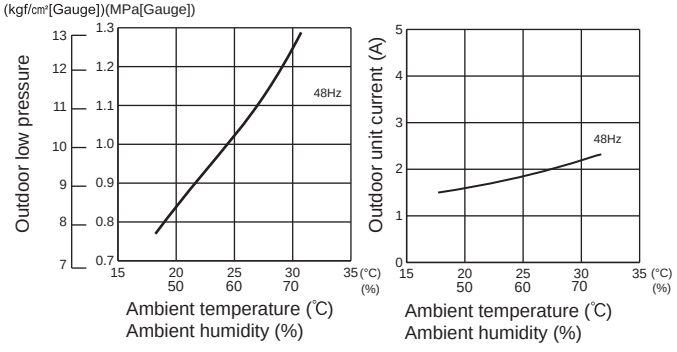
3. 20-class unit in single operation



4. 22-class unit in single operation

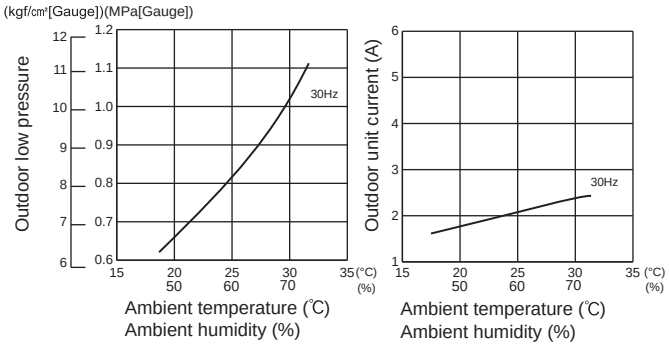


5. 25-class unit in single operation

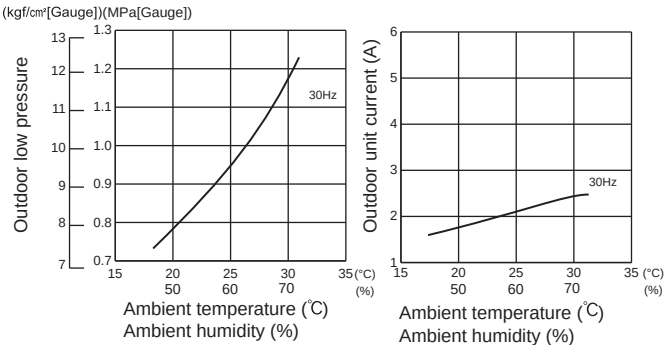


MXZ-2F42VF3

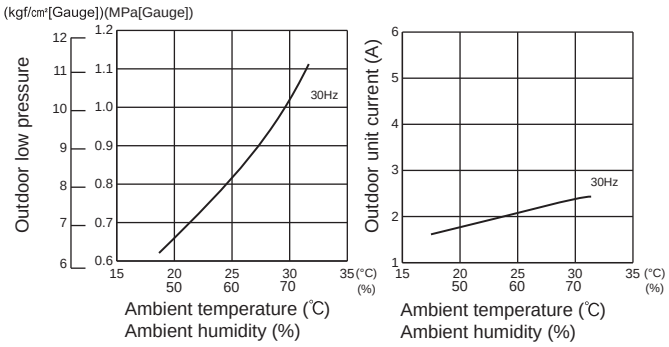
1. 15-class unit in single operation



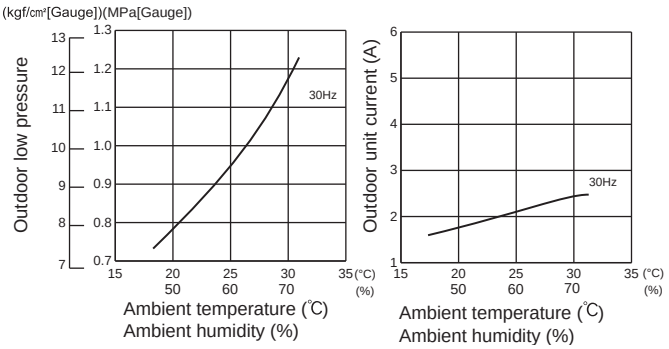
2. 18-class unit in single operation



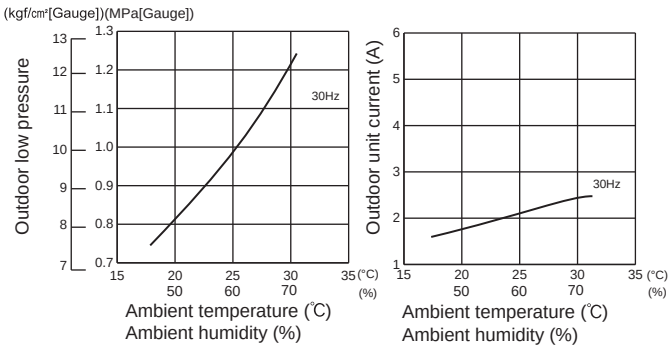
3. 20-class unit in single operation



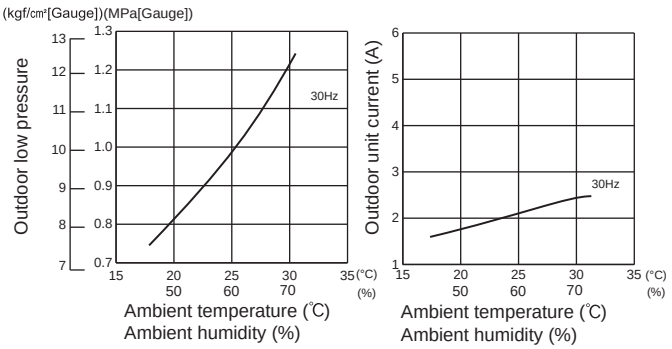
4. 22-class unit in single operation



5. 25-class unit in single operation

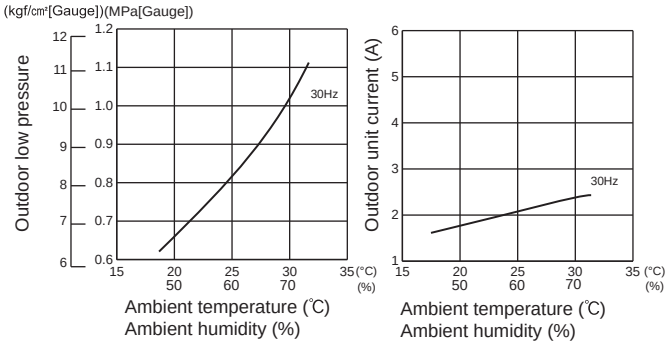


6. 35-class unit in single operation

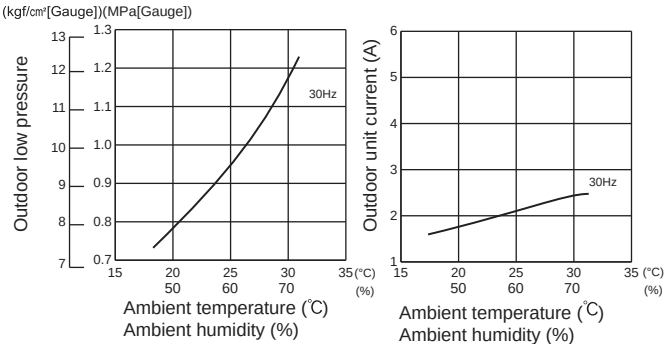


MXZ-2F53VF3 MXZ-2F53VFH3

1. 15-class unit in single operation

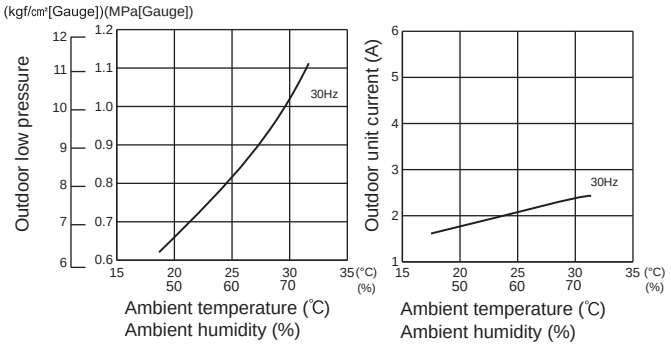


2. 18-class unit in single operation

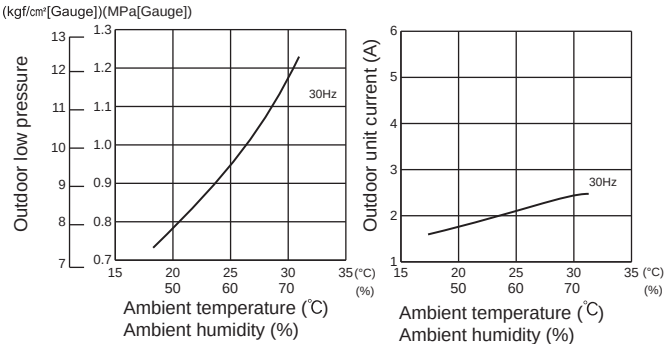


MXZ-2F53VF3 MXZ-2F53VFH3

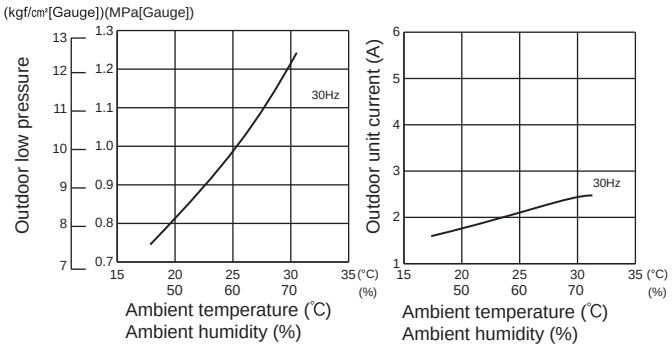
3. 20-class unit in single operation



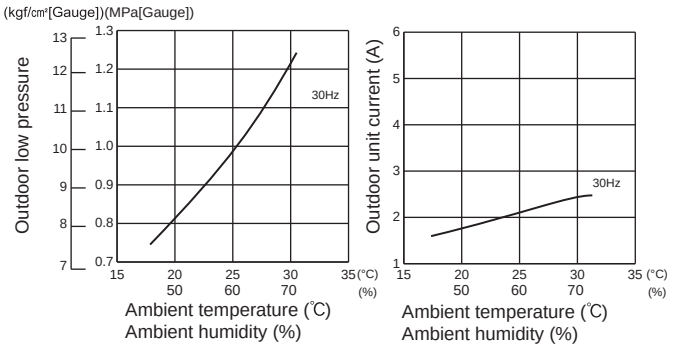
4. 22-class unit in single operation



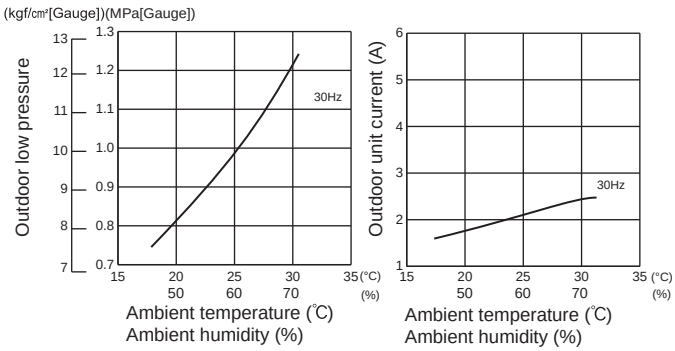
5. 25-class unit in single operation



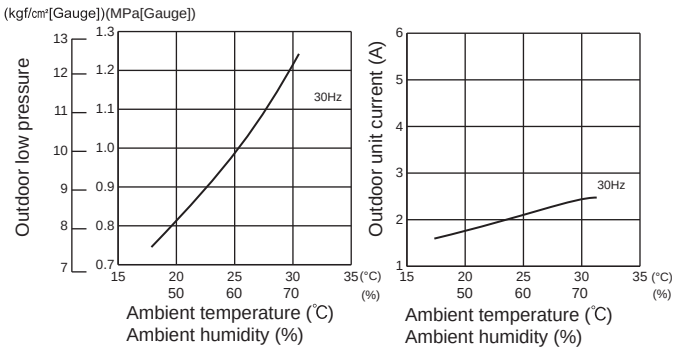
6. 35-class unit in single operation



7. 42-class unit in single operation

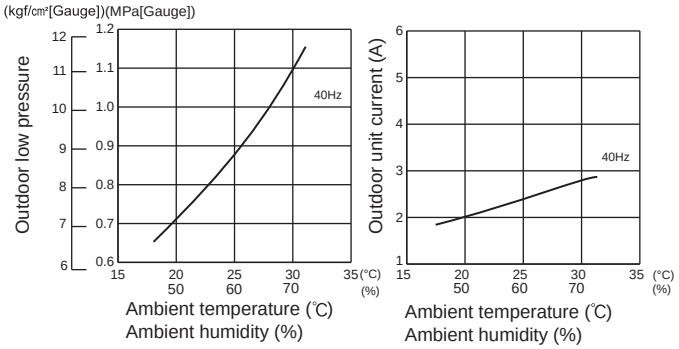


8. 50-class unit in single operation

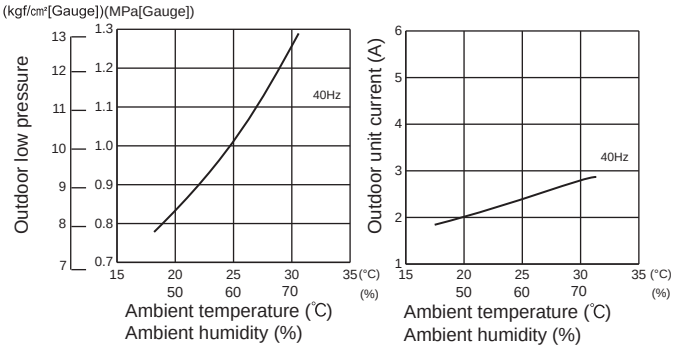


MXZ-3F54VF3

1. 15-class unit in single operation

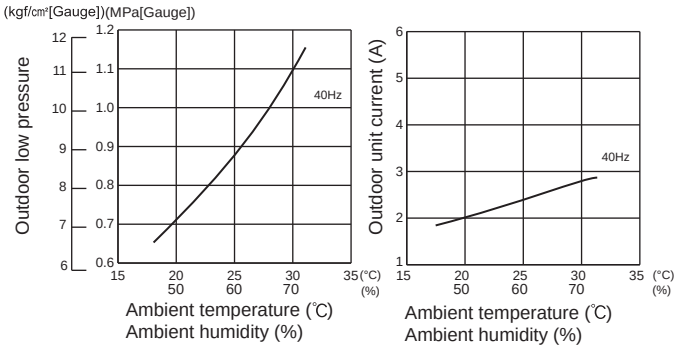


2. 18-class unit in single operation

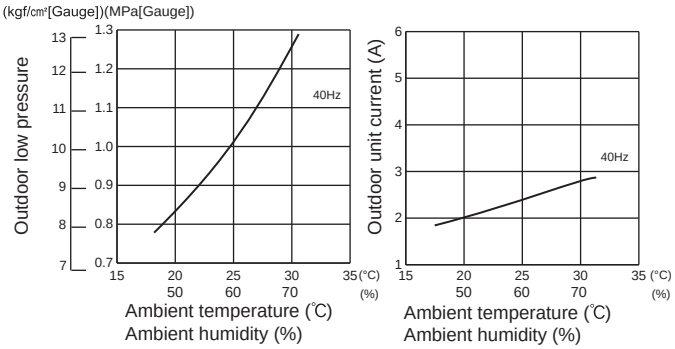


MXZ-3F54VF3

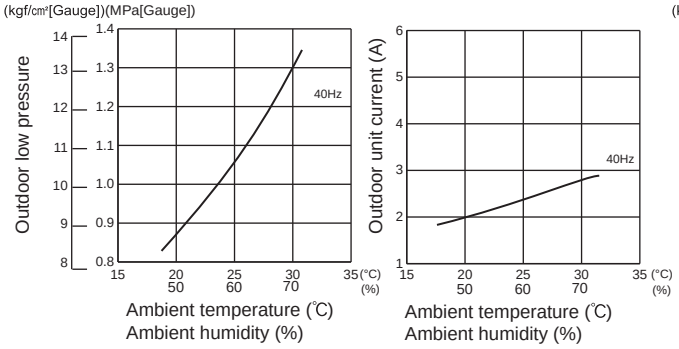
3. 20-class unit in single operation



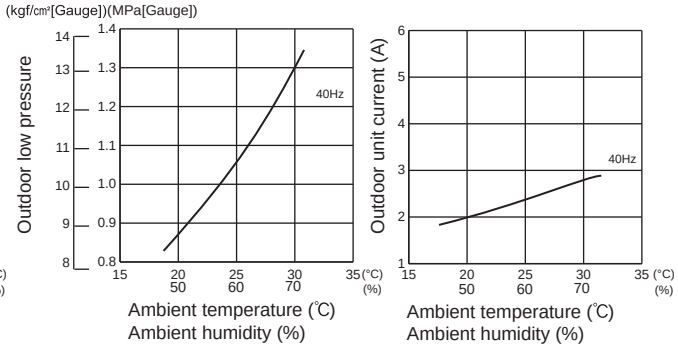
4. 22-class unit in single operation



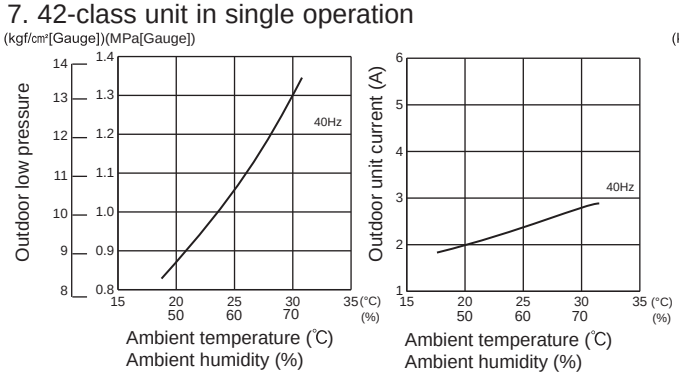
5. 25-class unit in single operation



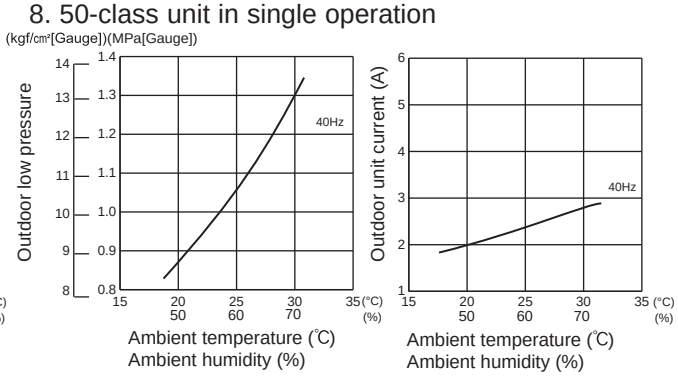
6. 35-class unit in single operation



7. 42-class unit in single operation

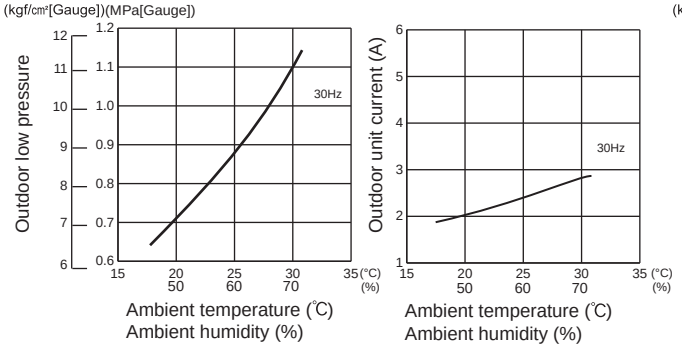


8. 50-class unit in single operation

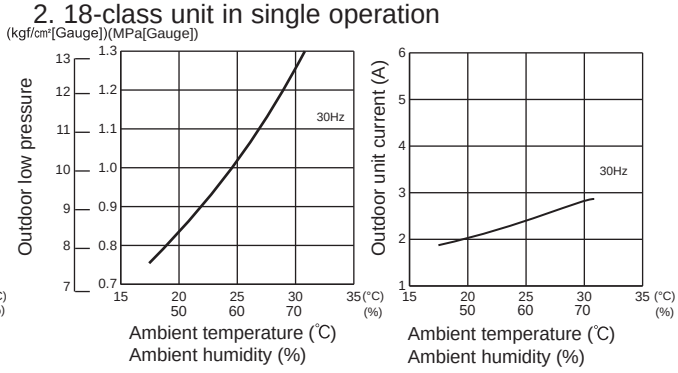


MXZ-3F68VF3 MXZ-4F72VF3

1. 15-class unit in single operation

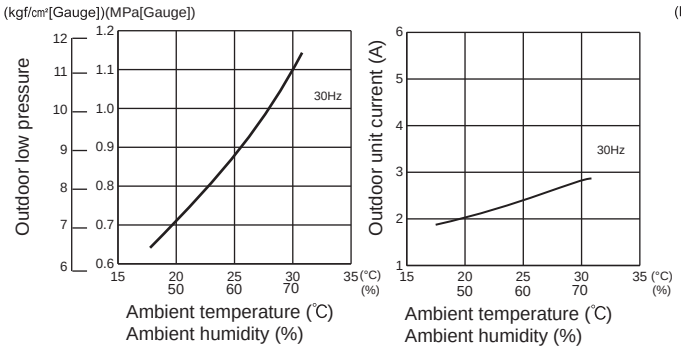


2. 18-class unit in single operation

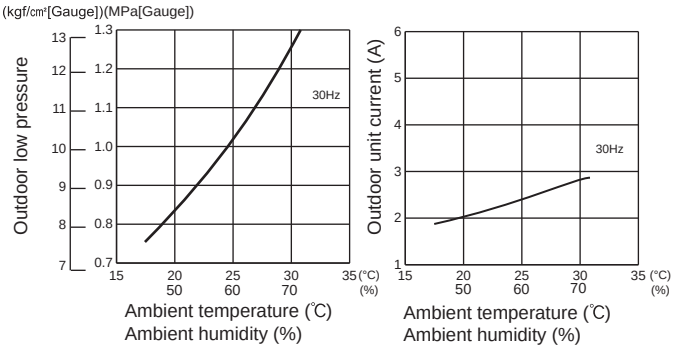


MXZ-3F68VF3 MXZ-4F72VF3

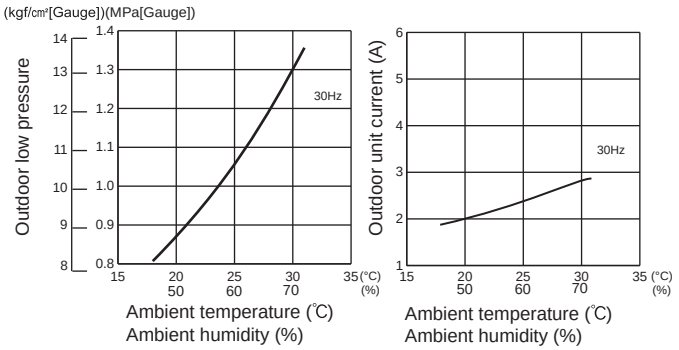
3. 20-class unit in single operation



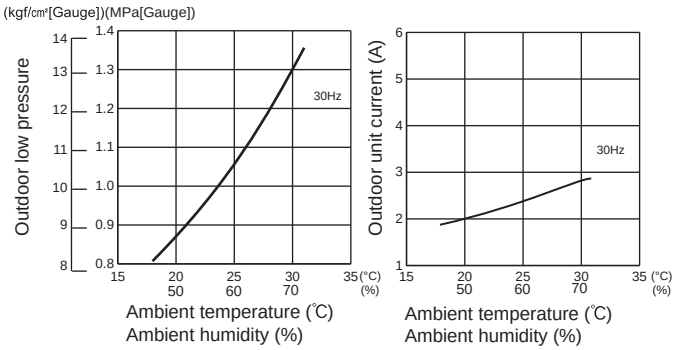
4. 22-class unit in single operation



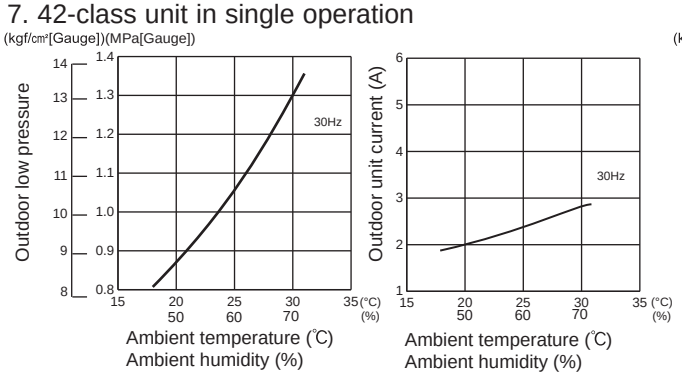
5. 25-class unit in single operation



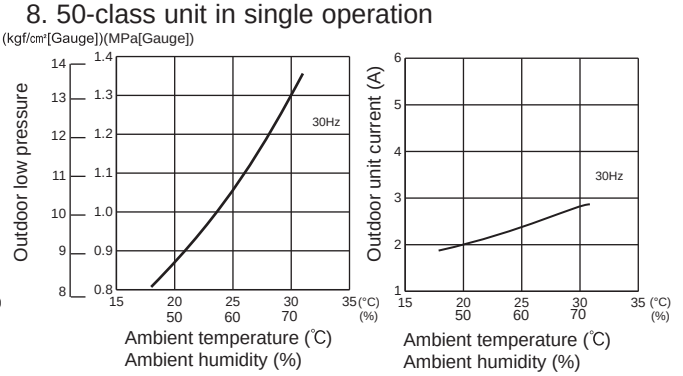
6. 35-class unit in single operation



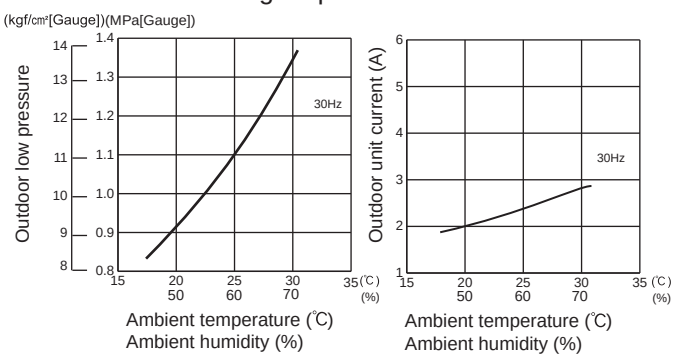
7. 42-class unit in single operation



8. 50-class unit in single operation

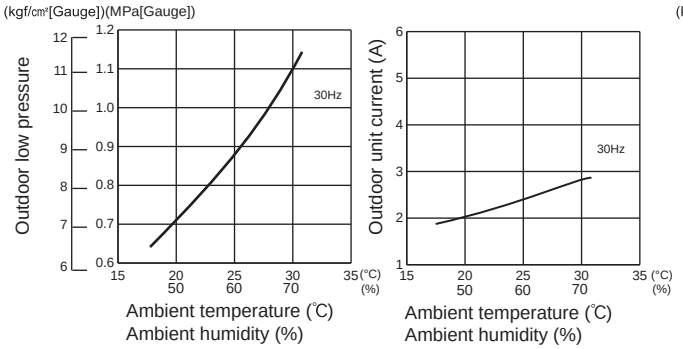


9. 60-class unit in single operation

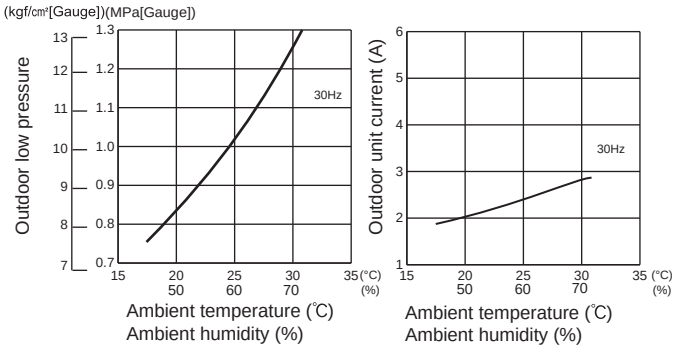


MXZ-4F80VF3

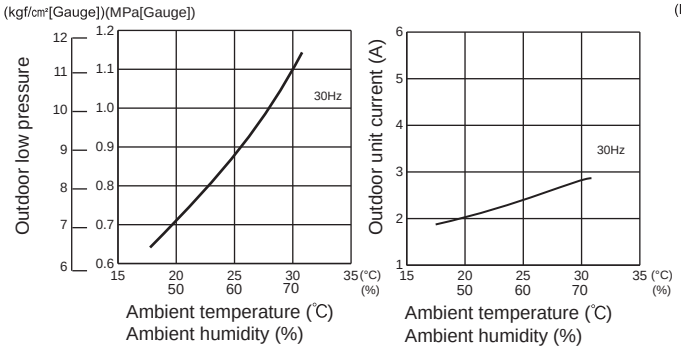
1. 15-class unit in single operation



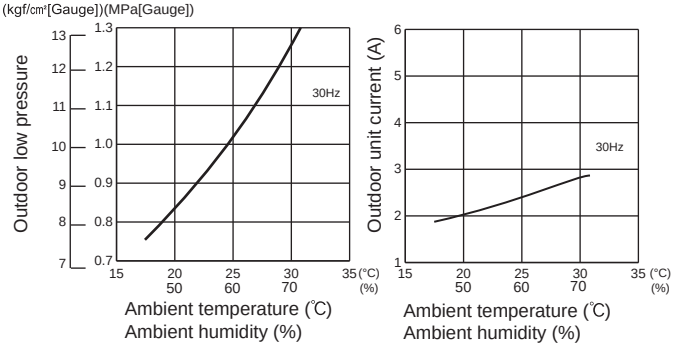
2. 18-class unit in single operation



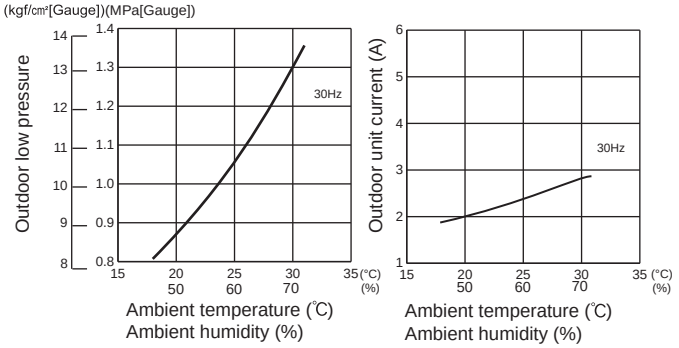
3. 20-class unit in single operation



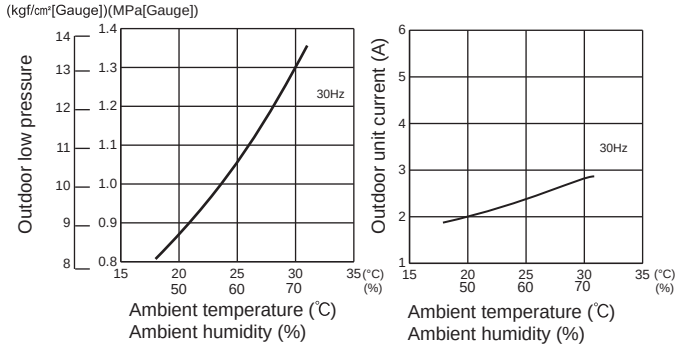
4. 22-class unit in single operation



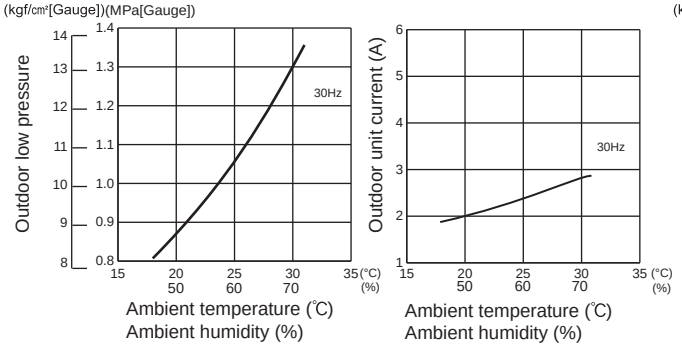
5. 25-class unit in single operation



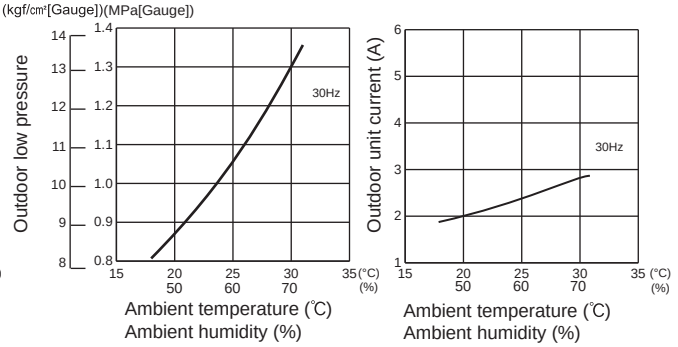
6. 35-class unit in single operation



7. 42-class unit in single operation

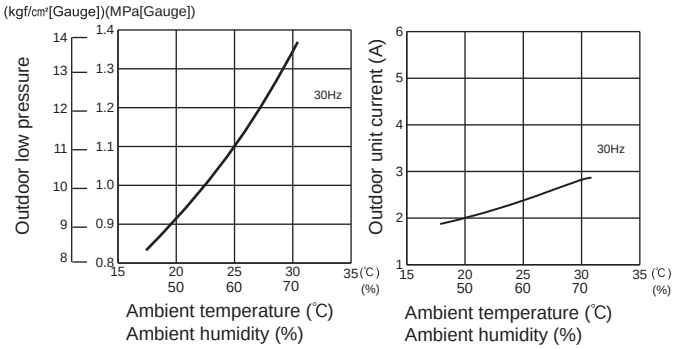


8. 50-class unit in single operation



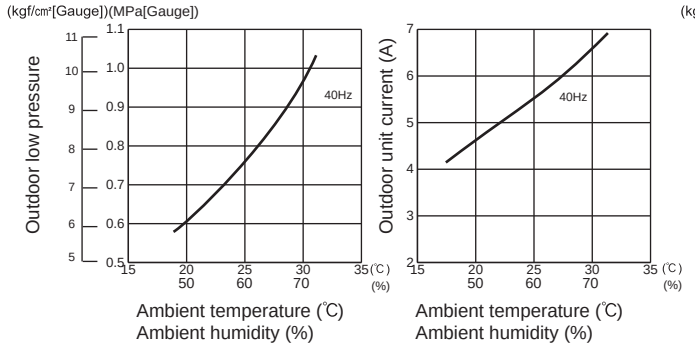
MXZ-4F80VF3

9. 60-class unit in single operation

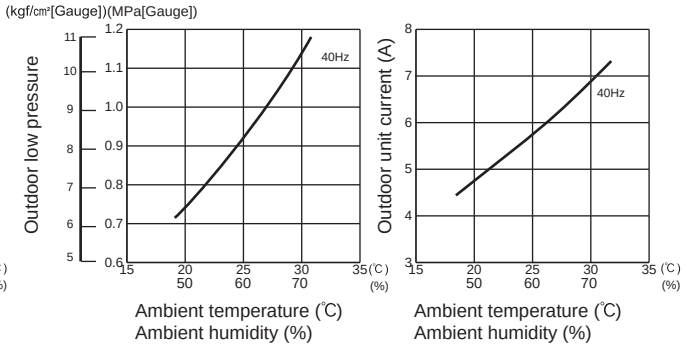


MXZ-4F83VF

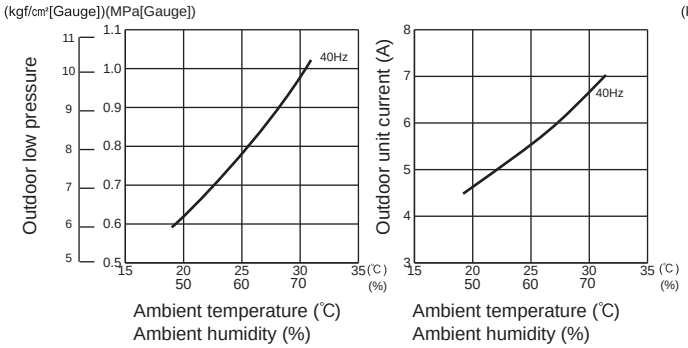
1. 15-class unit in single operation



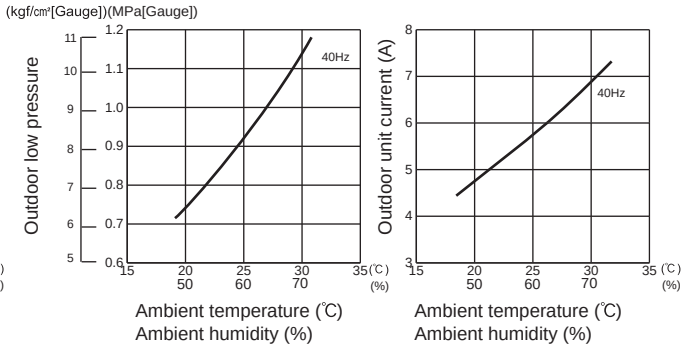
2. 18-class unit in single operation



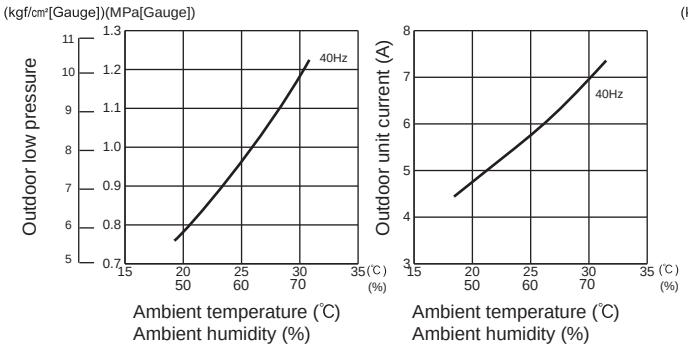
3. 20-class unit in single operation



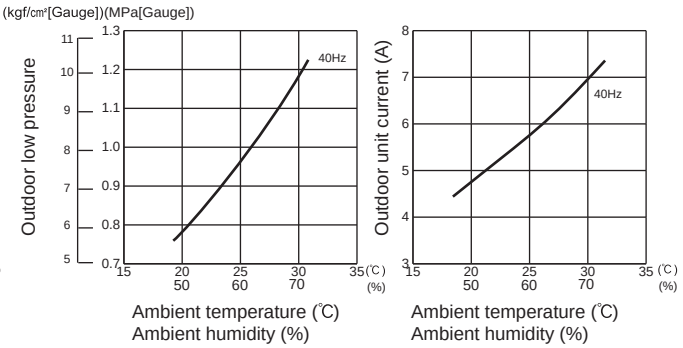
4. 22-class unit in single operation



5. 25-class unit in single operation

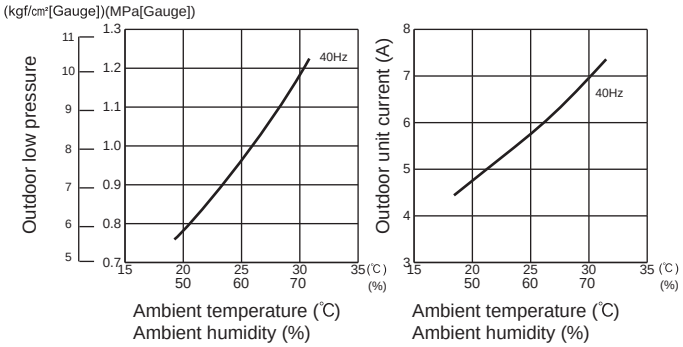


6. 35-class unit in single operation

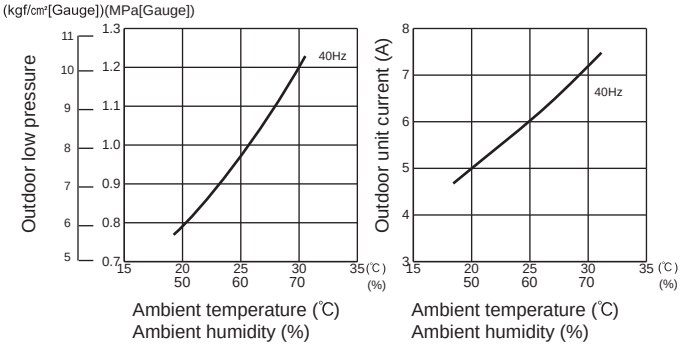


MXZ-4F83VF

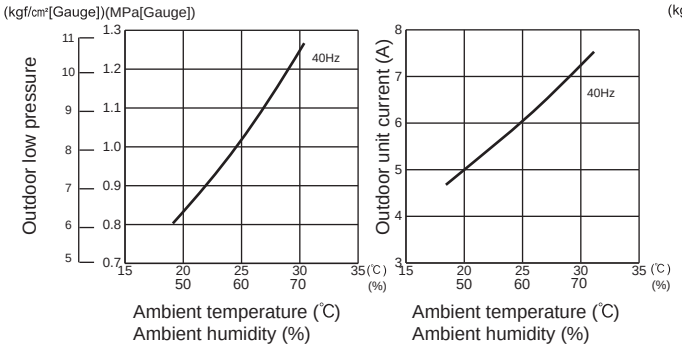
7. 42-class unit in single operation



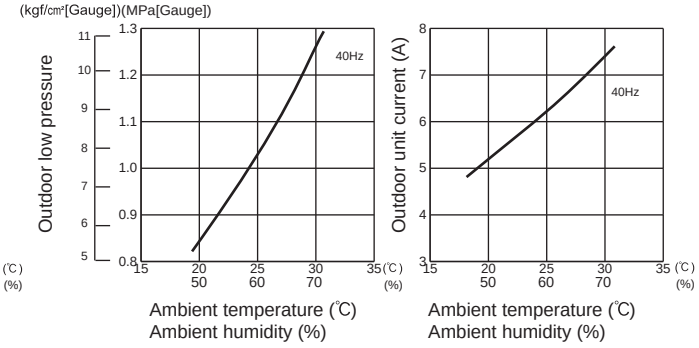
8. 50-class unit in single operation



9. 60-class unit in single operation

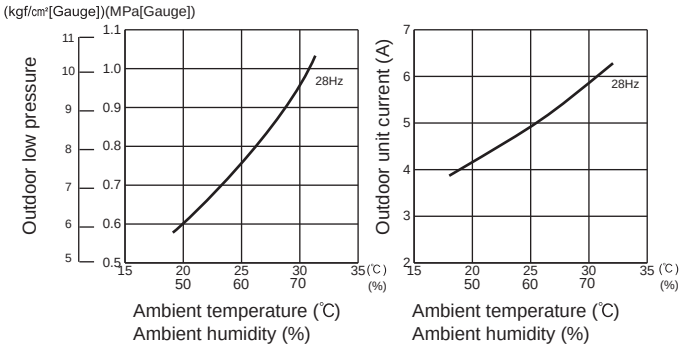


10. 71-class unit in single operation

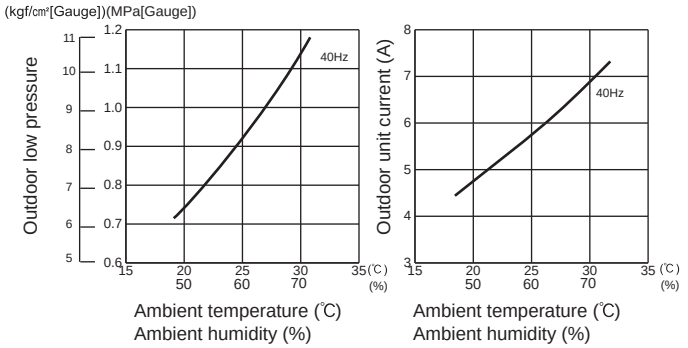


MXZ-5F102VF

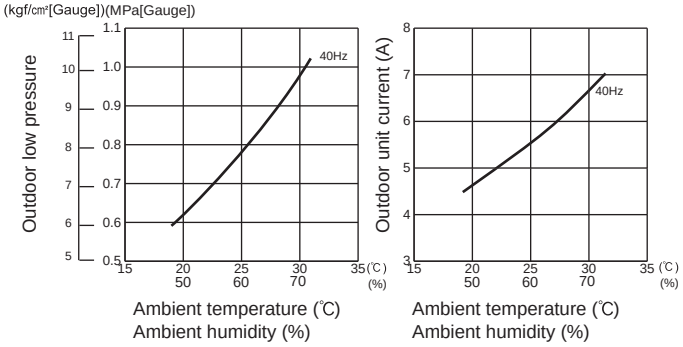
1. 15-class unit in single operation



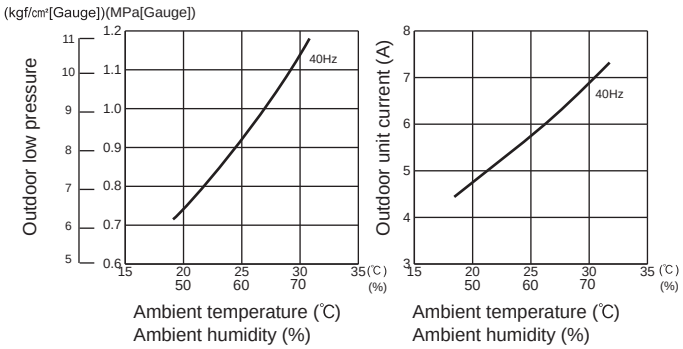
2. 18-class unit in single operation



3. 20-class unit in single operation

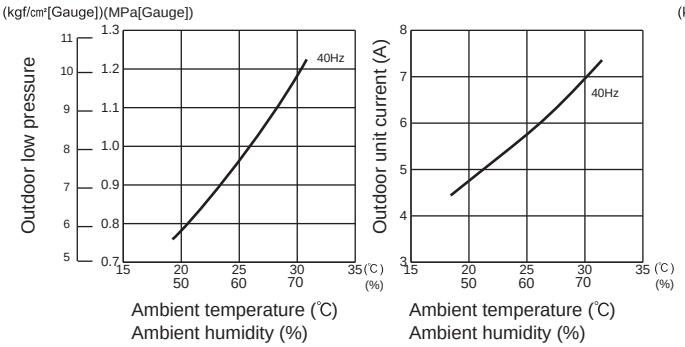


4. 22-class unit in single operation

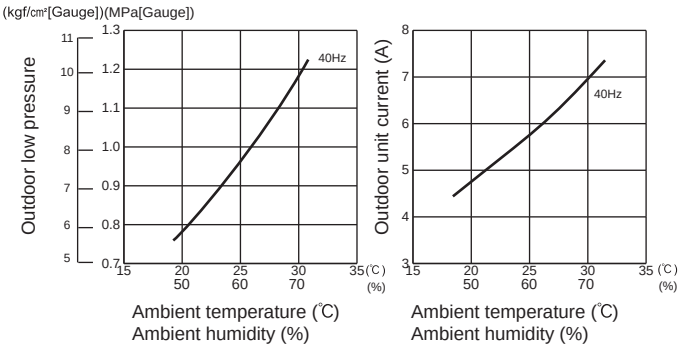


MXZ-5F102VF

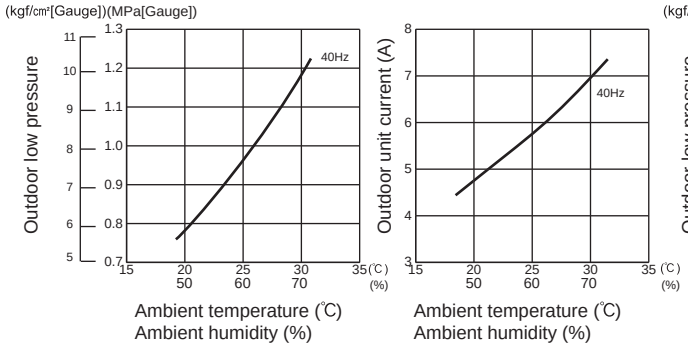
5. 25-class unit in single operation



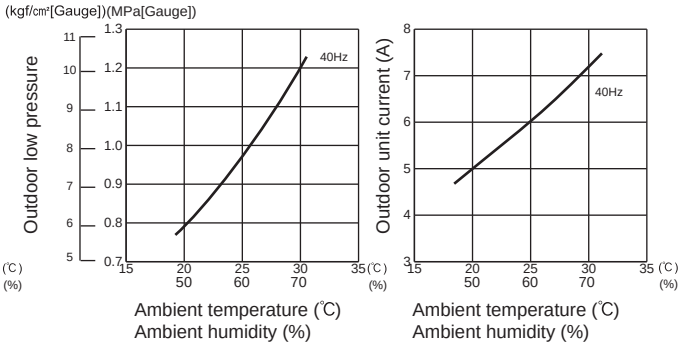
6. 35-class unit in single operation



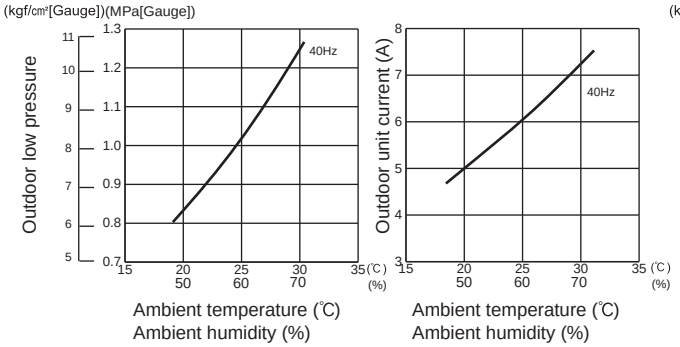
7. 42-class unit in single operation



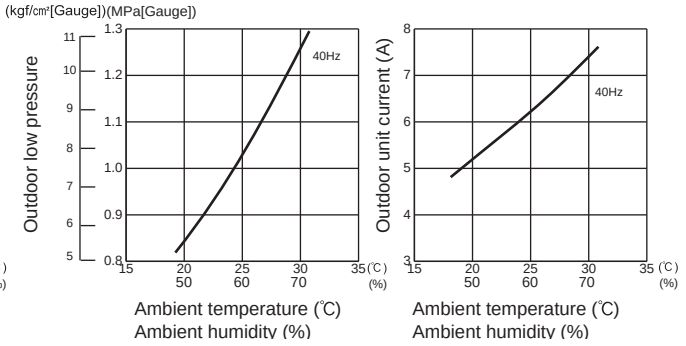
8. 50-class unit in single operation



9. 60-class unit in single operation

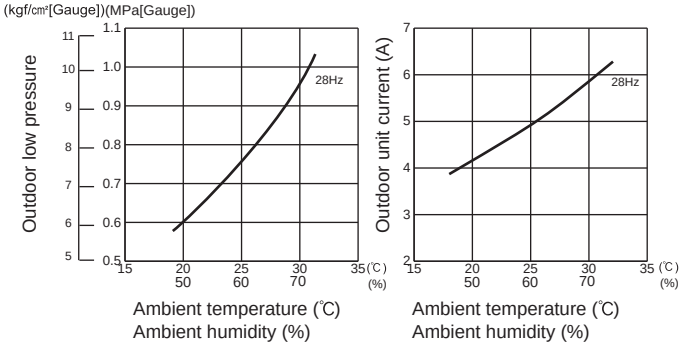


10. 71-class unit in single operation

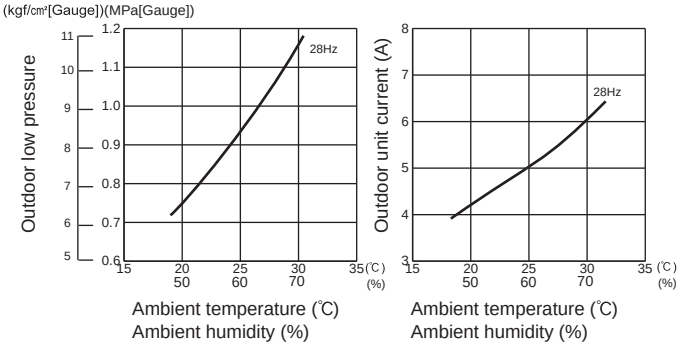


MXZ-6F122VF

1. 15-class unit in single operation

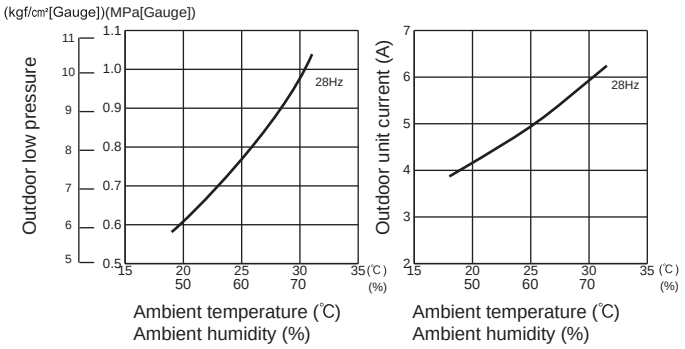


2. 18-class unit in single operation

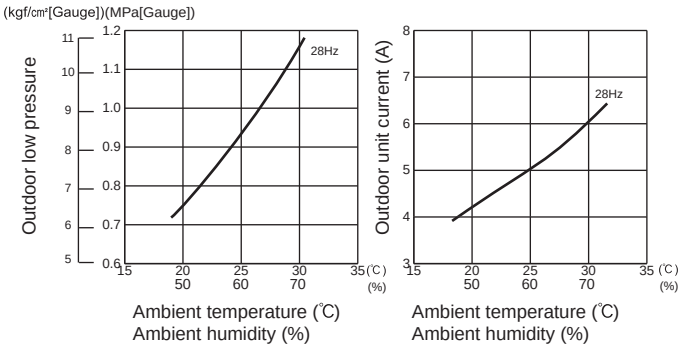


MXZ-6F122VF

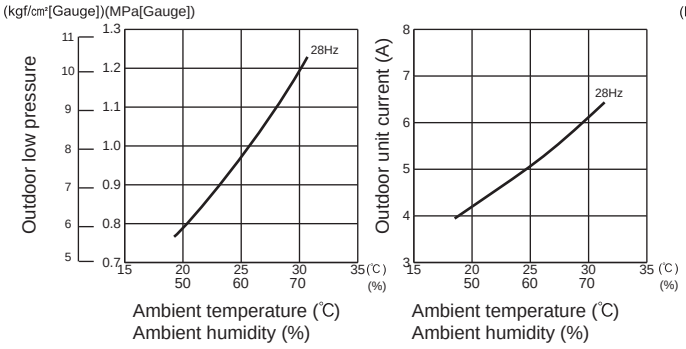
3. 20-class unit in single operation



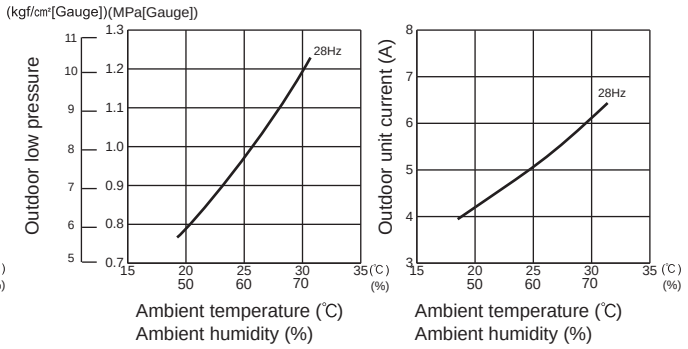
4. 22-class unit in single operation



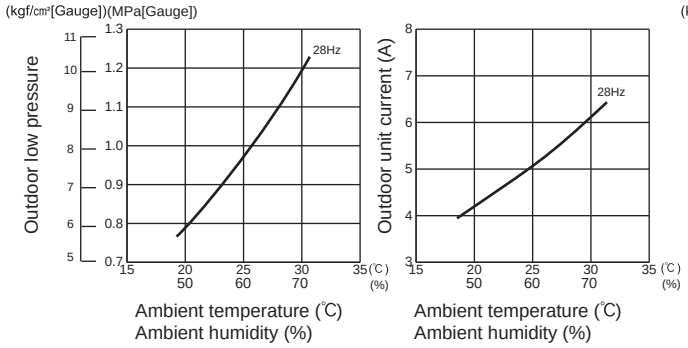
5. 25-class unit in single operation



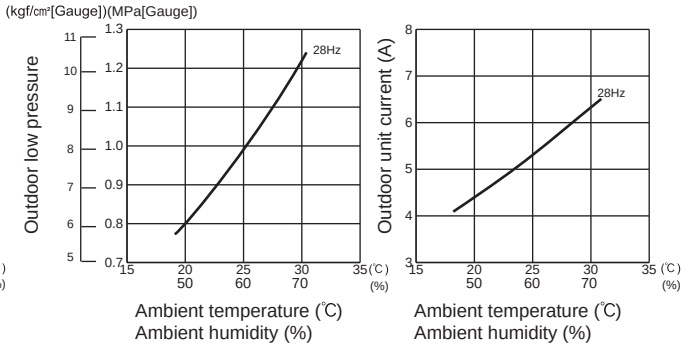
6. 35-class unit in single operation



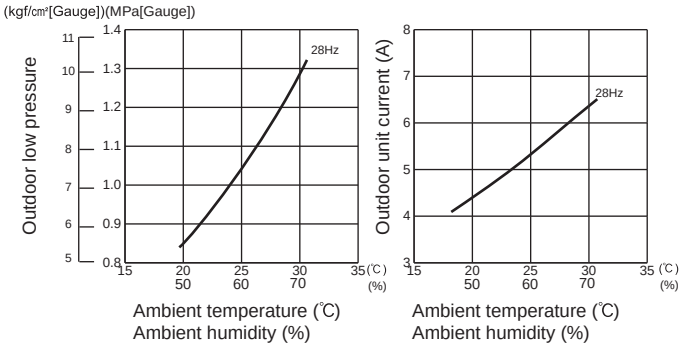
7. 42-class unit in single operation



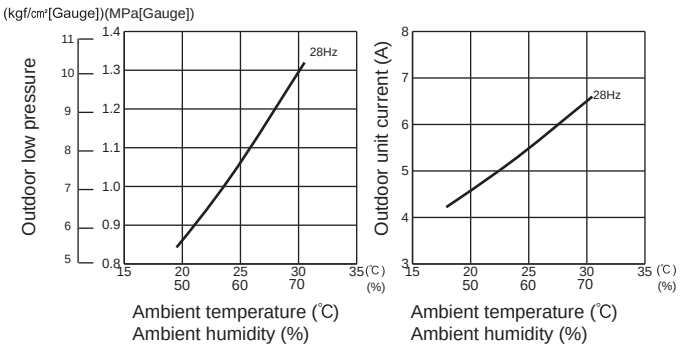
8. 50-class unit in single operation



9. 60-class unit in single operation

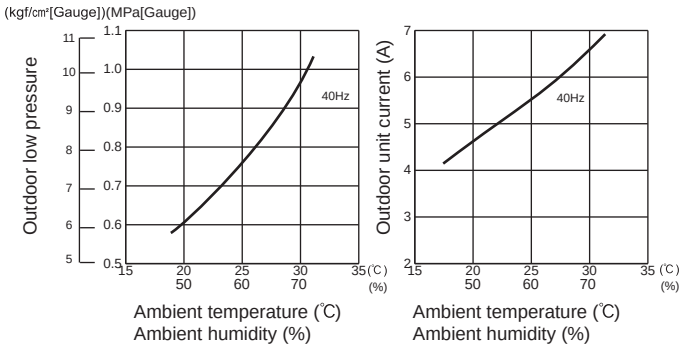


10. 71-class unit in single operation

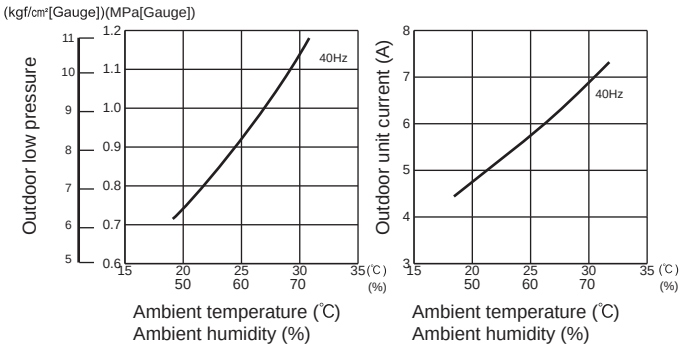


MXZ-2F53VFHZ

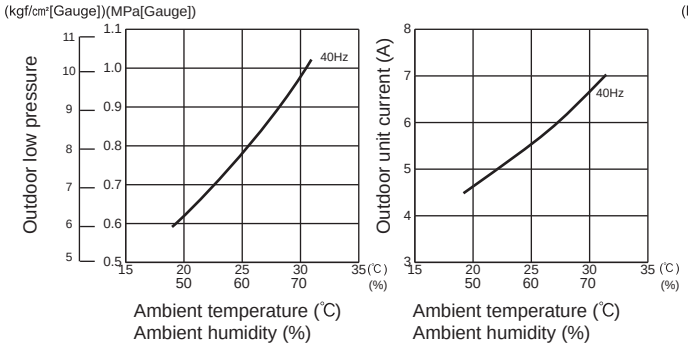
1. 15-class unit in single operation



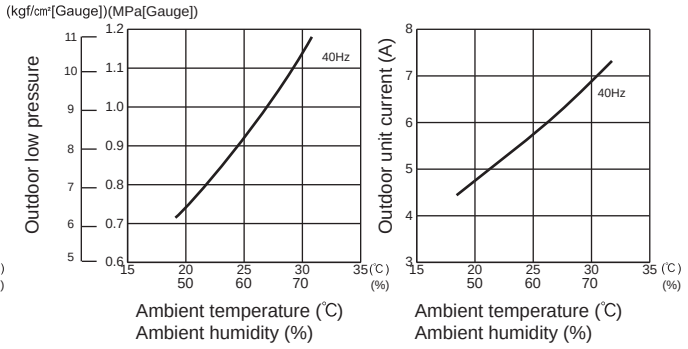
2. 18-class unit in single operation



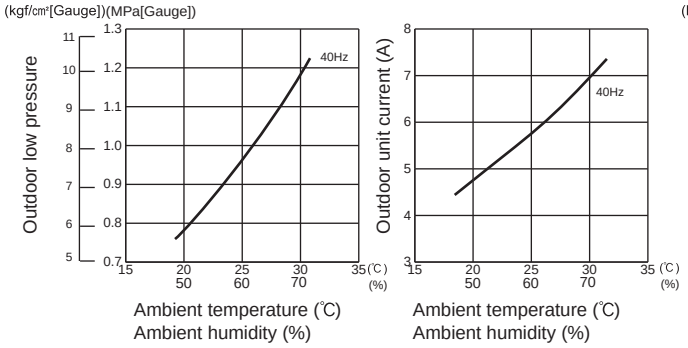
3. 20-class unit in single operation



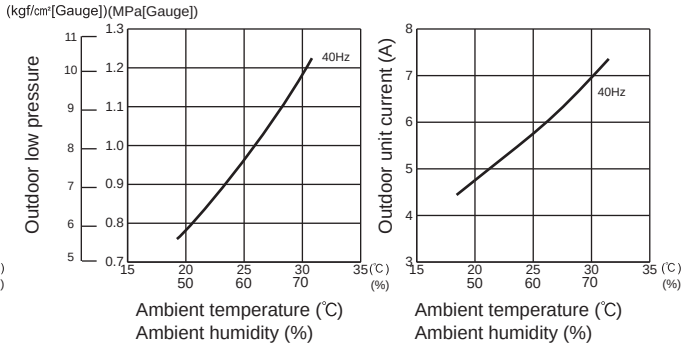
4. 22-class unit in single operation



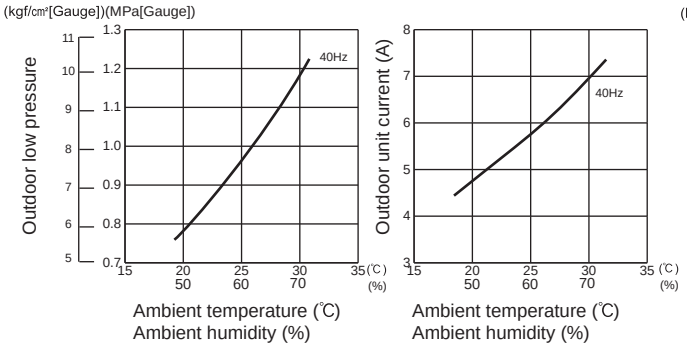
5. 25-class unit in single operation



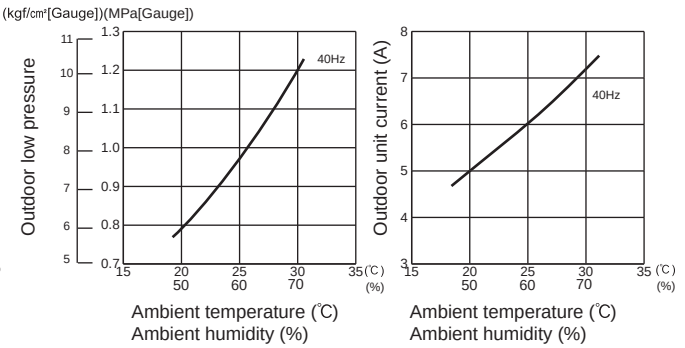
6. 35-class unit in single operation



7. 42-class unit in single operation

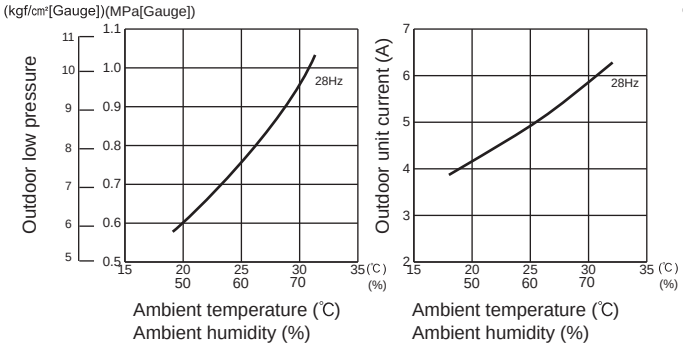


8. 50-class unit in single operation

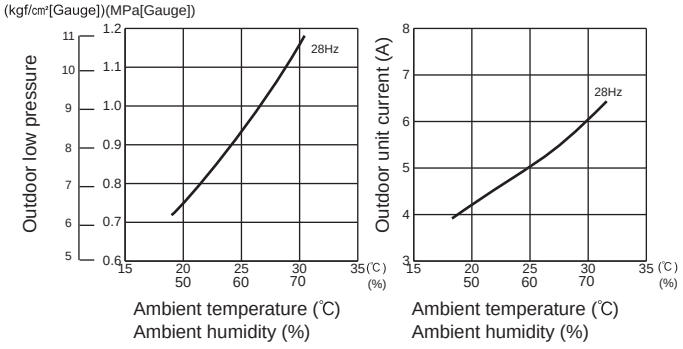


MXZ-4F83VFHZ

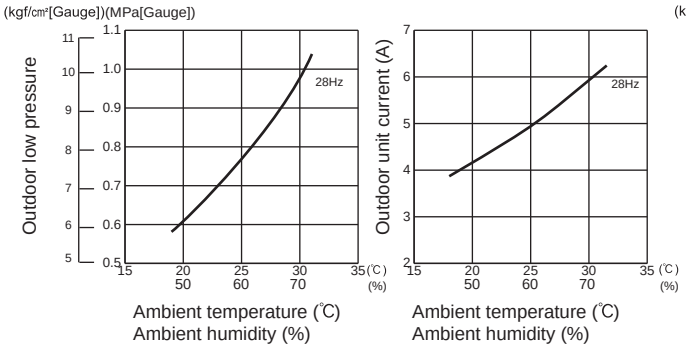
1. 15-class unit in single operation



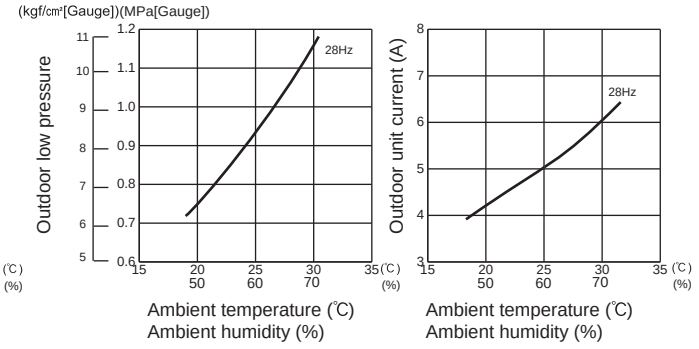
2. 18-class unit in single operation



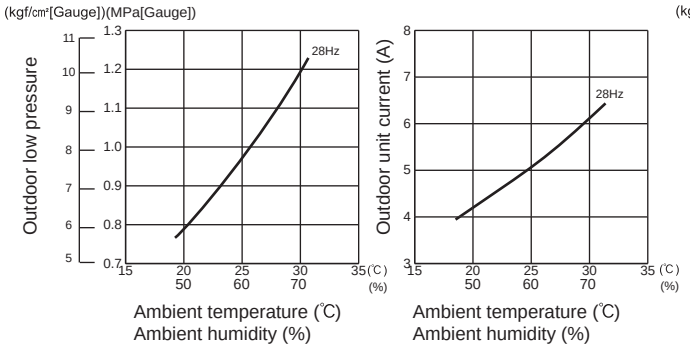
3. 20-class unit in single operation



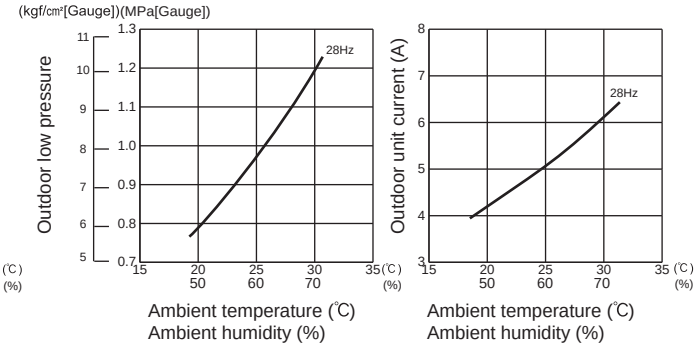
4. 22-class unit in single operation



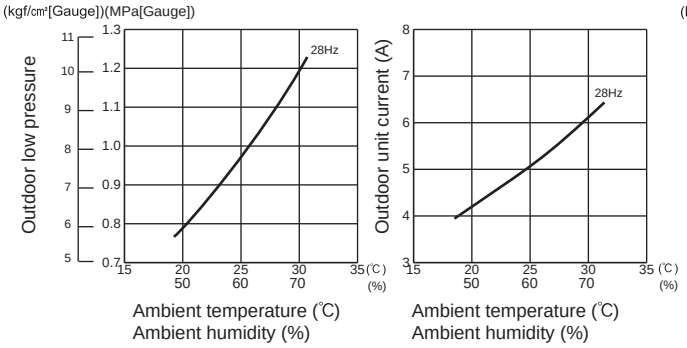
5. 25-class unit in single operation



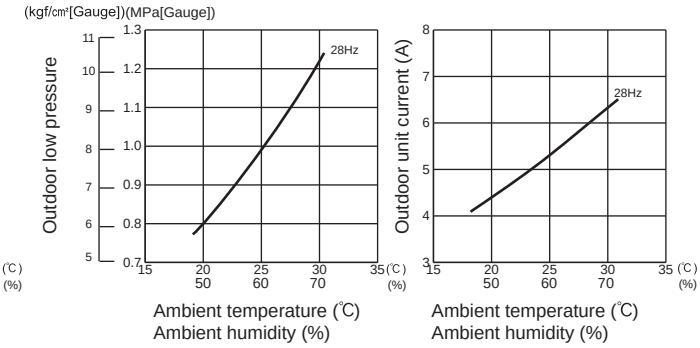
6. 35-class unit in single operation



7. 42-class unit in single operation

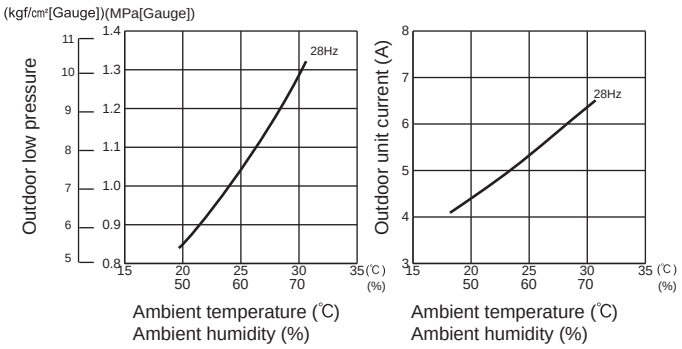


8. 50-class unit in single operation

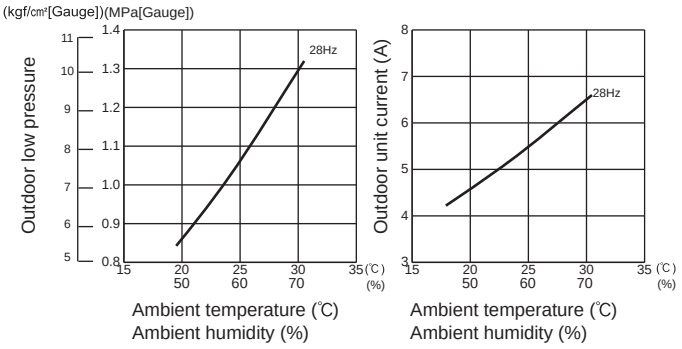


MXZ-4F83VFHZ

9. 60-class unit in single operation

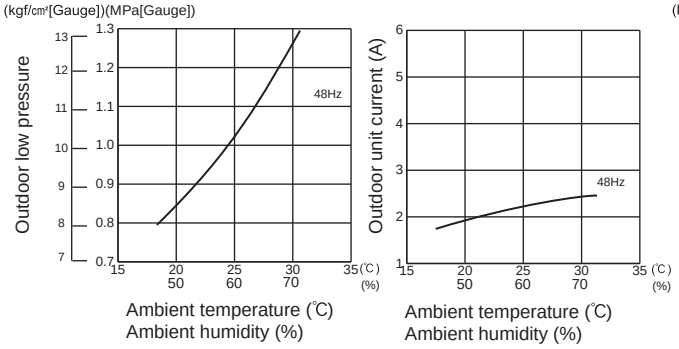


10. 71-class unit in single operation

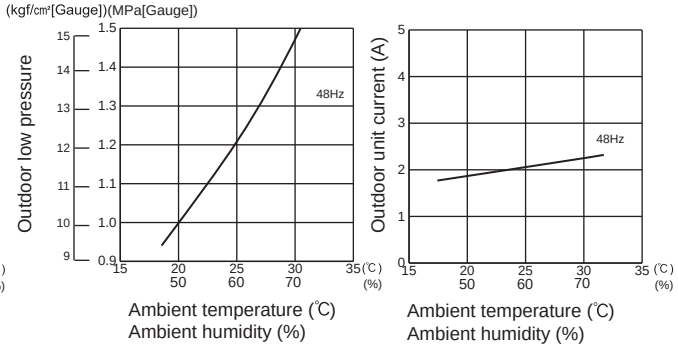


MXZ-2D33VA

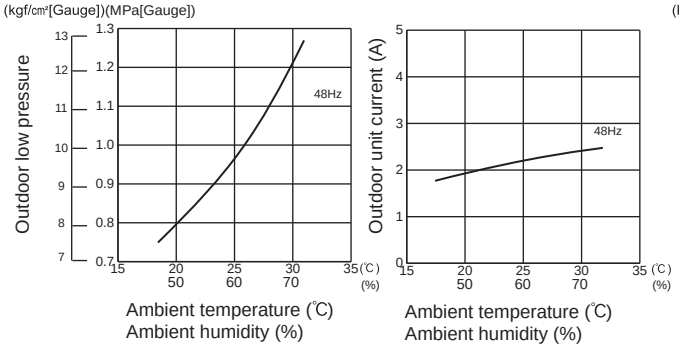
1. 15-class unit in single operation



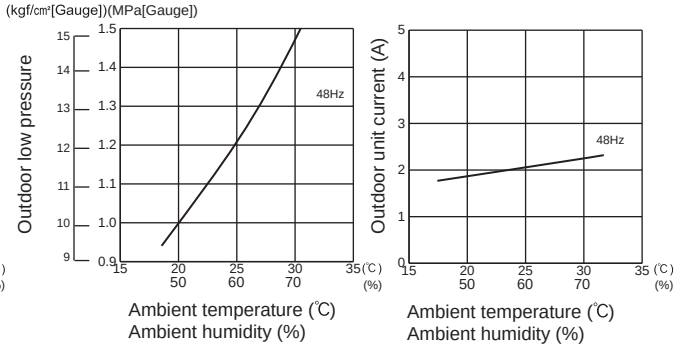
2. 18-class unit in single operation



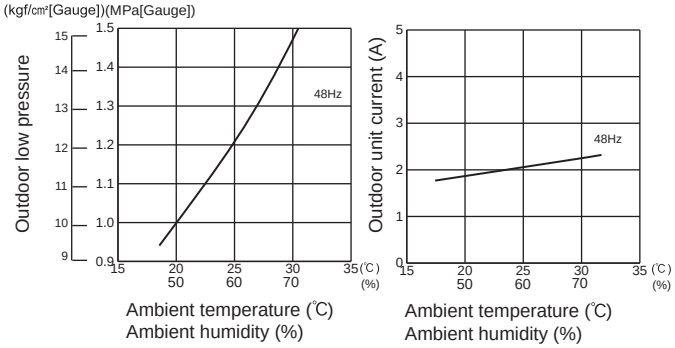
3. 20-class unit in single operation



4. 22-class unit in single operation

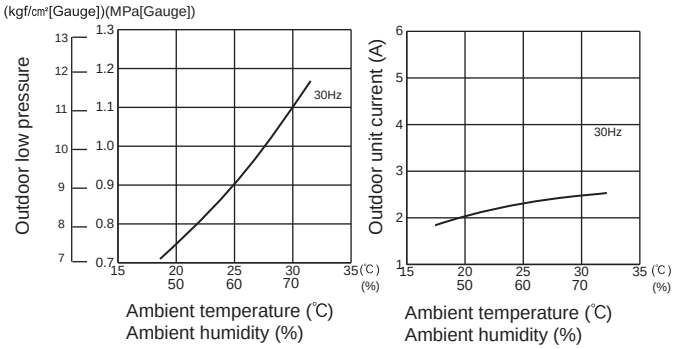


5. 25-class unit in single operation

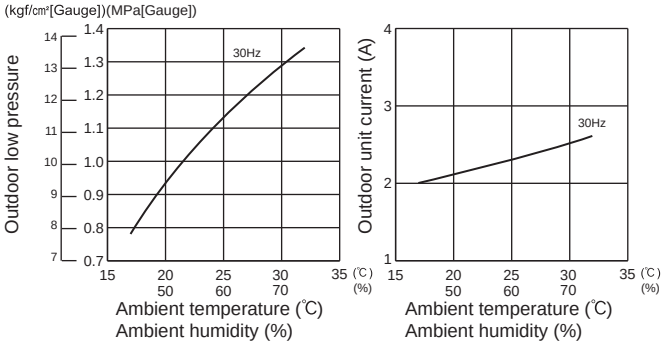


MXZ-2D42VA2 MXZ-2D53VA2 MXZ-2D53VAH2

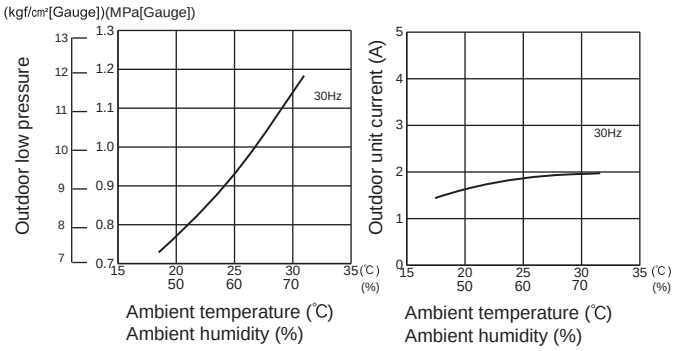
1. 15-class unit in single operation



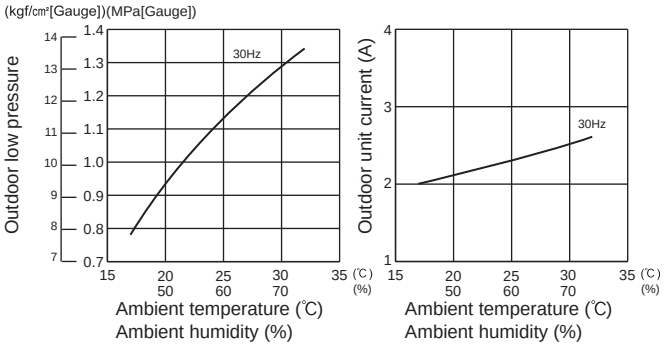
2. 18-class unit in single operation



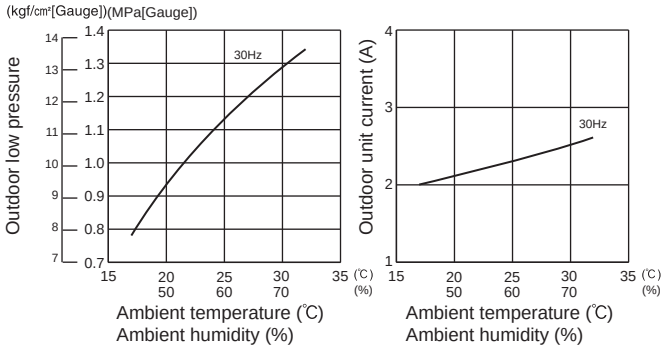
3. 20-class unit in single operation



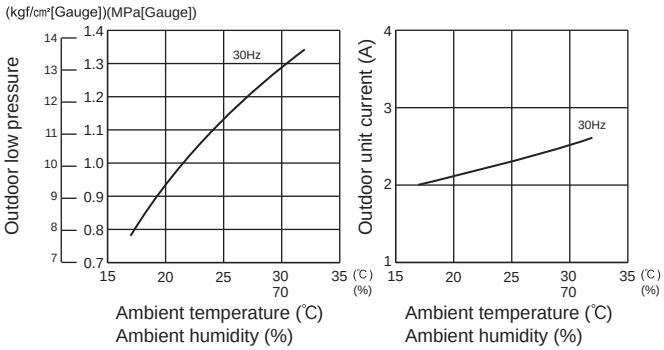
4. 22-class unit in single operation



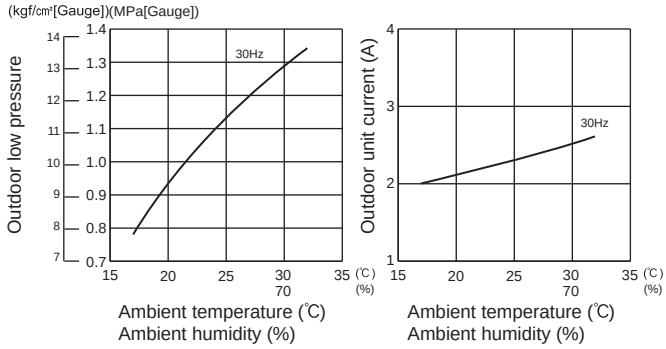
5. 25-class unit in single operation



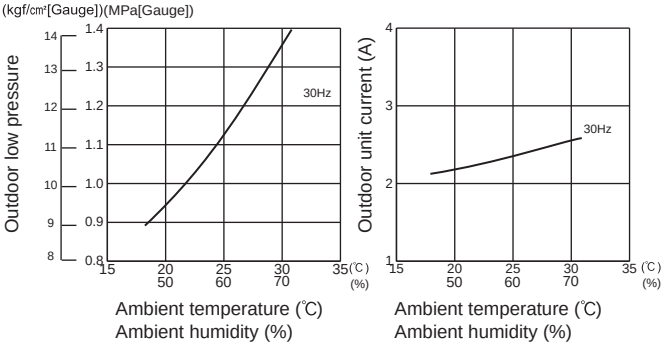
6. 35-class unit in single operation



7. 42-class unit in single operation

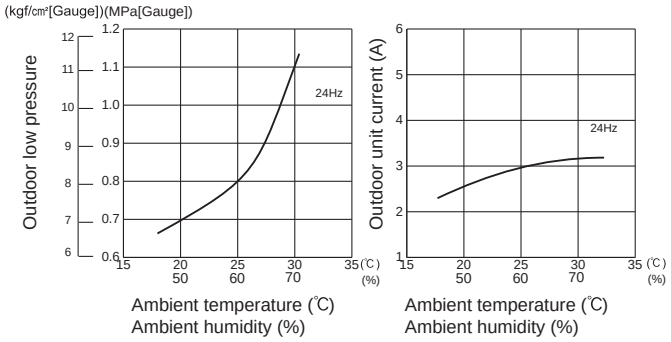


8. 50-class unit in single operation

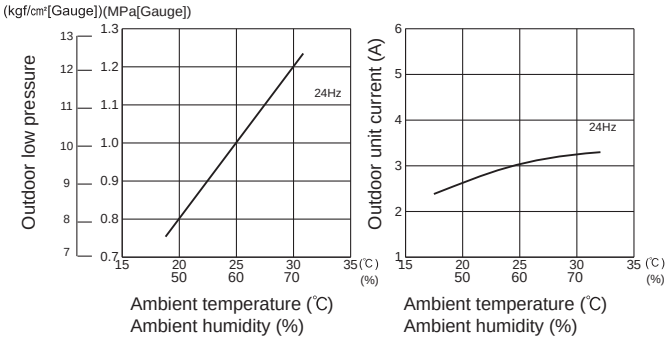


MXZ-2E53VAHZ

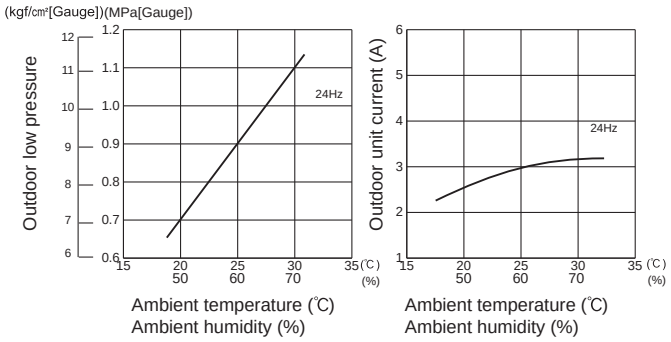
1. 15-class unit in single operation



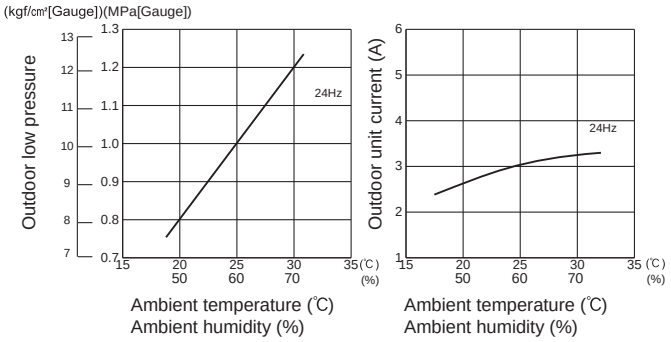
2. 18-class unit in single operation



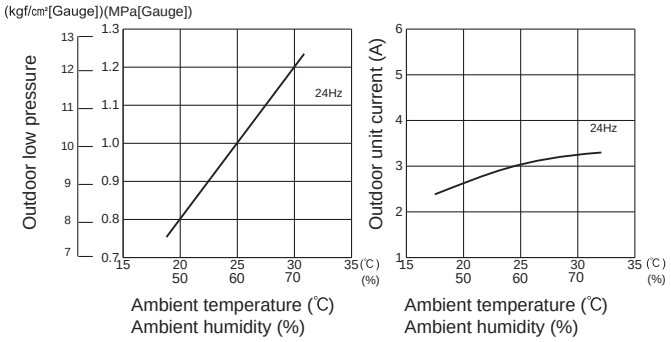
3. 20-class unit in single operation



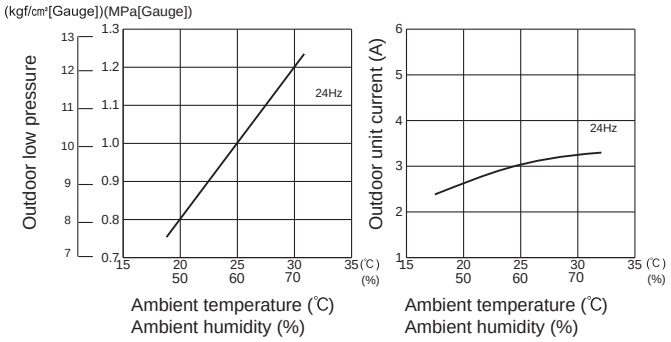
4. 22-class unit in single operation



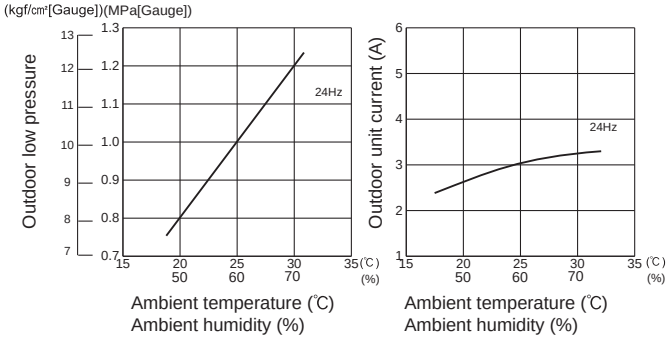
5. 25-class unit in single operation



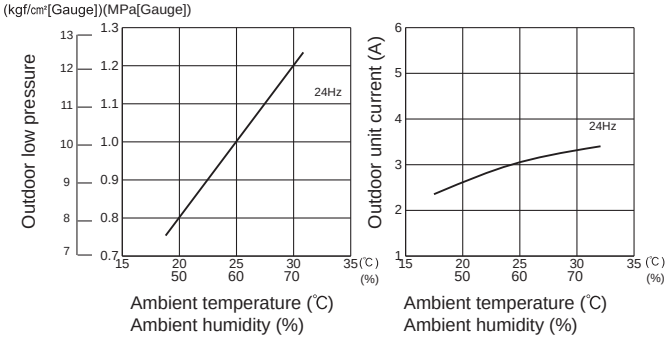
6. 35-class unit in single operation



7. 42-class unit in single operation

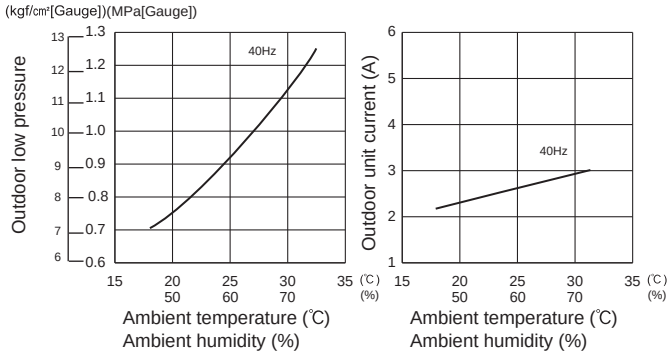


8. 50-class unit in single operation

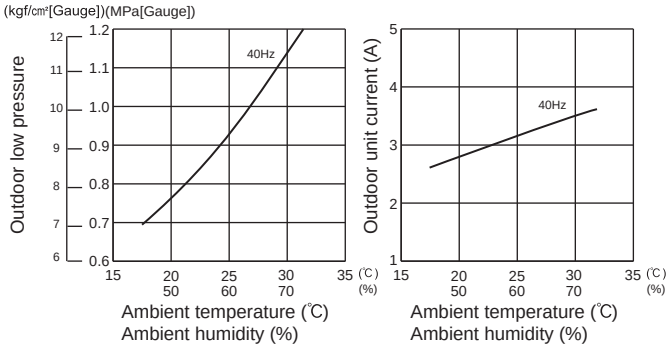


MXZ-3E54VA

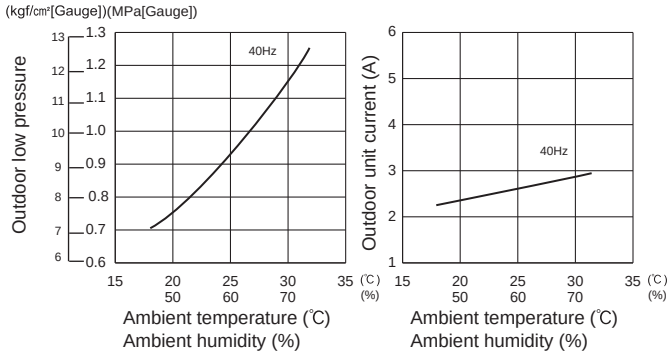
1. 15-class unit in single operation



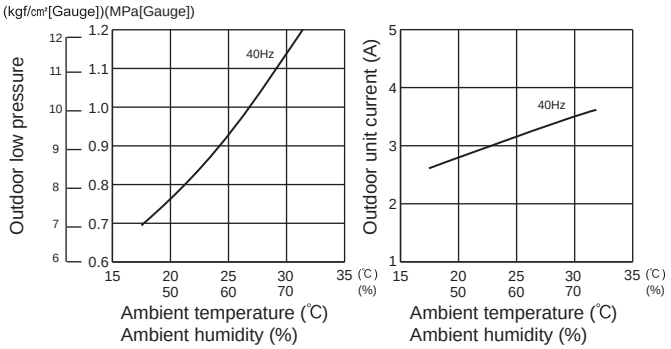
2. 18-class unit in single operation



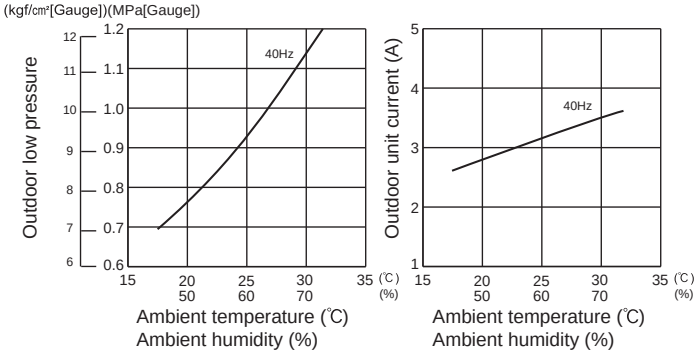
3. 20-class unit in single operation



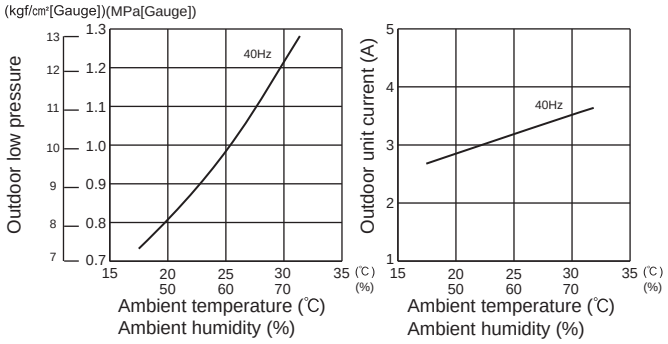
4. 22-class unit in single operation



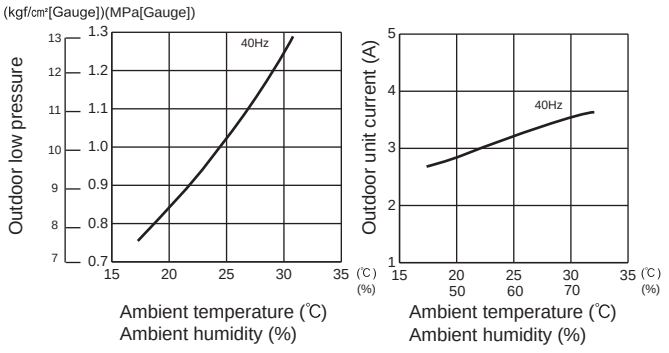
5. 25-class unit in single operation



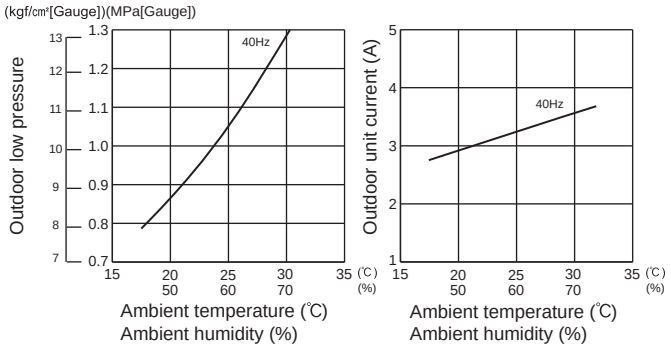
6. 35-class unit in single operation



7. 42-class unit in single operation

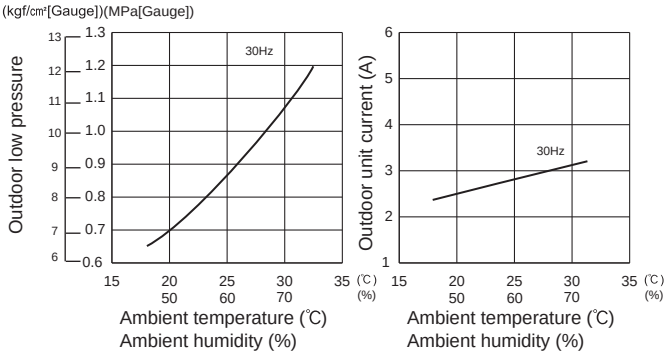


8. 50-class unit in single operation

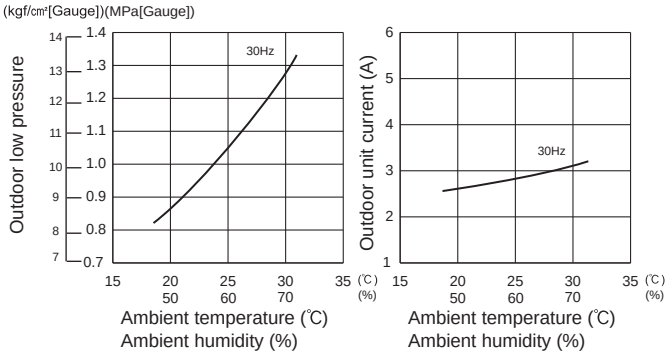


MXZ-3E68VA MXZ-4E72VA

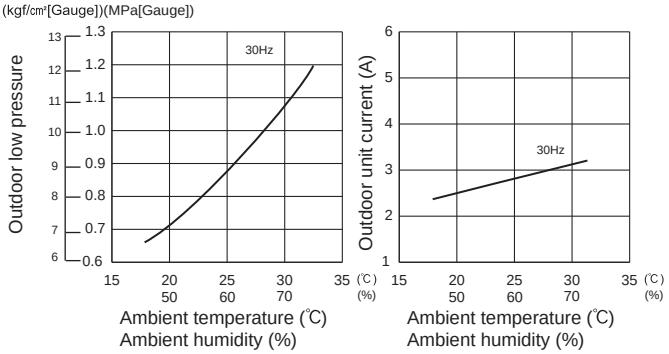
1. 15-class unit in single operation



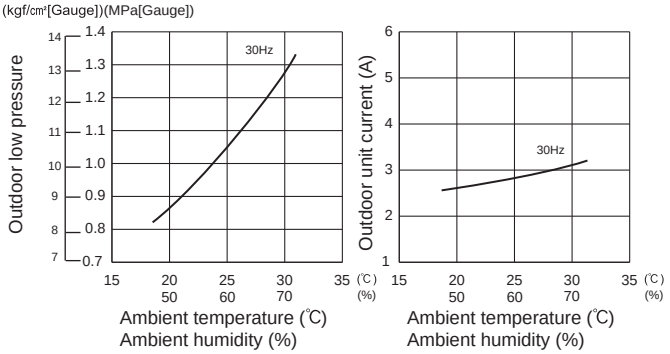
2. 18-class unit in single operation



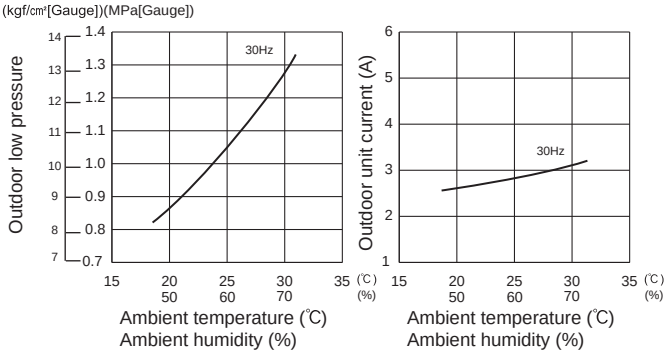
3. 20-class unit in single operation



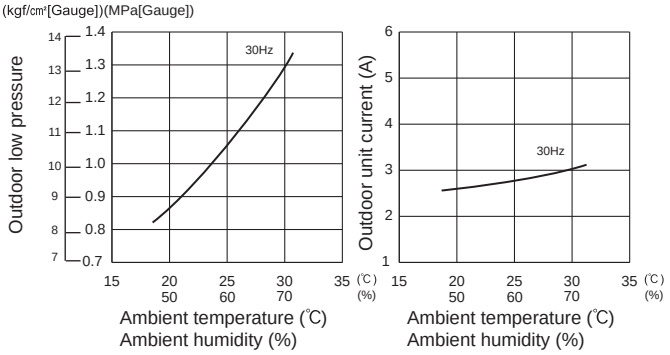
4. 22-class unit in single operation



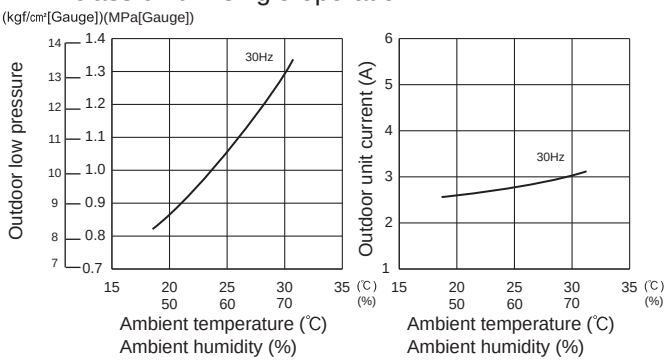
5. 25-class unit in single operation



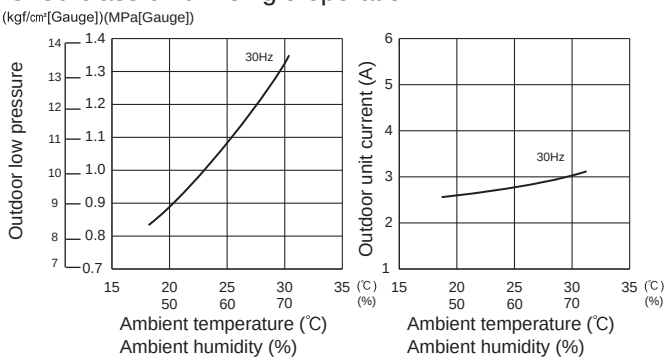
6. 35-class unit in single operation



7. 42-class unit in single operation

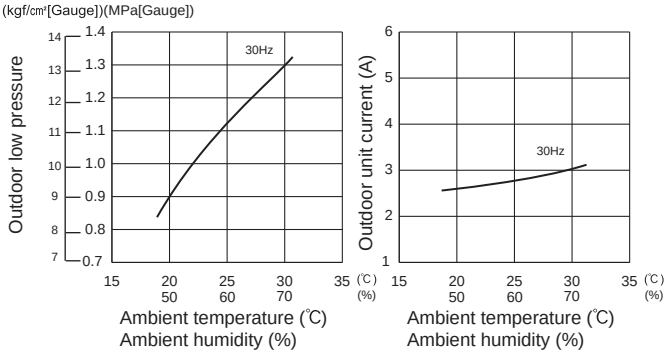


8. 50-class unit in single operation



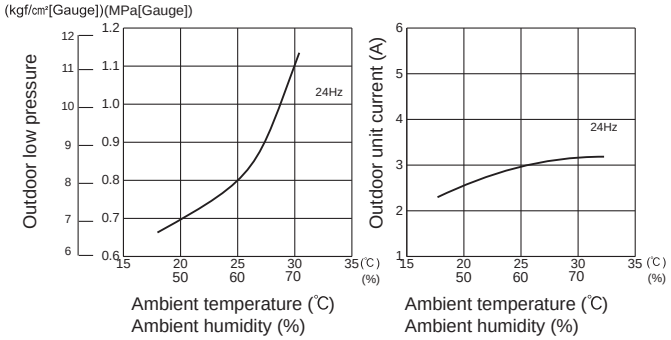
MXZ-3E68VA MXZ-4E72VA

9. 60-class unit in single operation

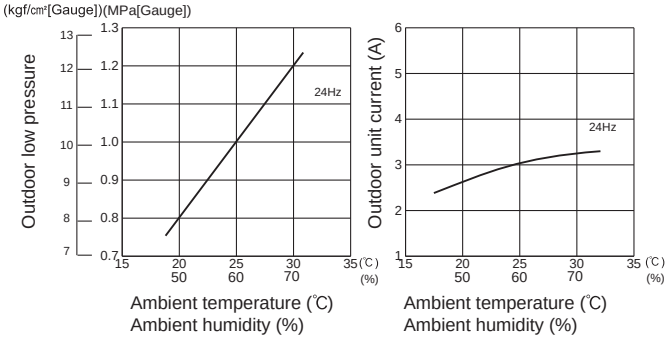


MXZ-4E83VA

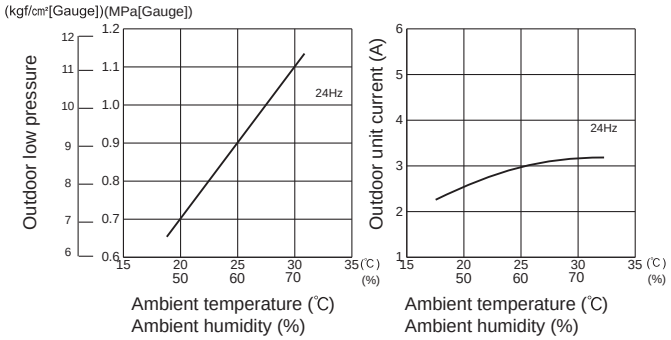
1. 15-class unit in single operation



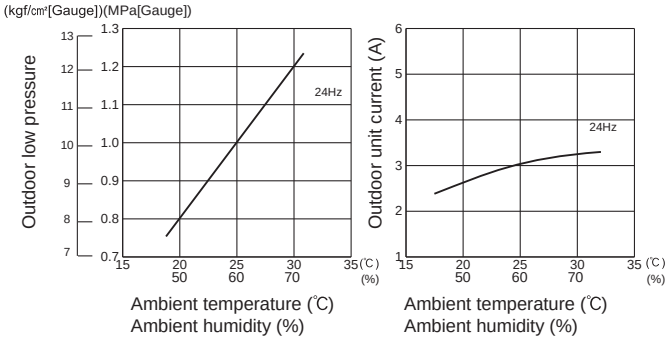
2. 18-class unit in single operation



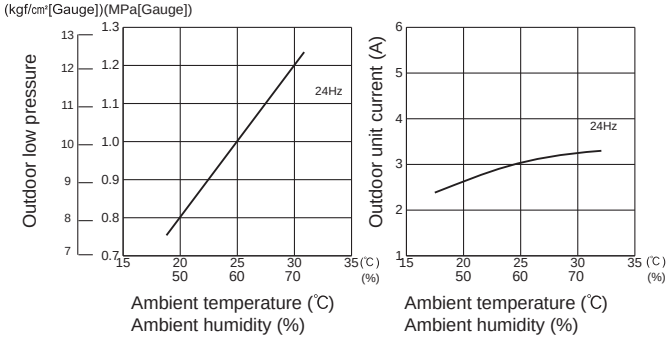
3. 20-class unit in single operation



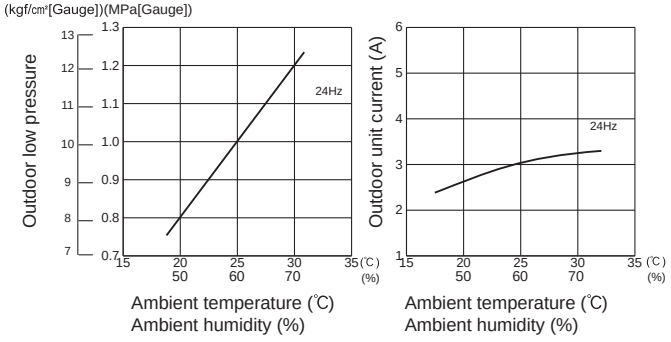
4. 22-class unit in single operation



5. 25-class unit in single operation

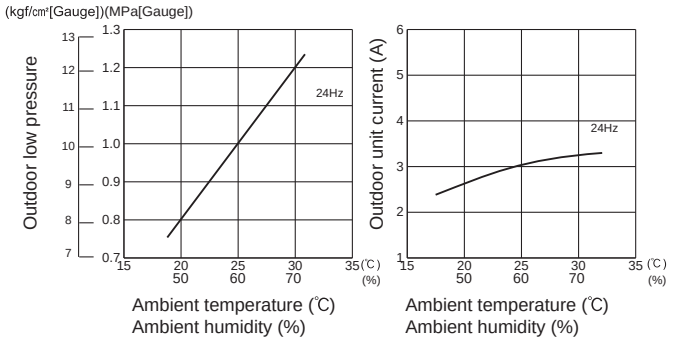


6. 35-class unit in single operation

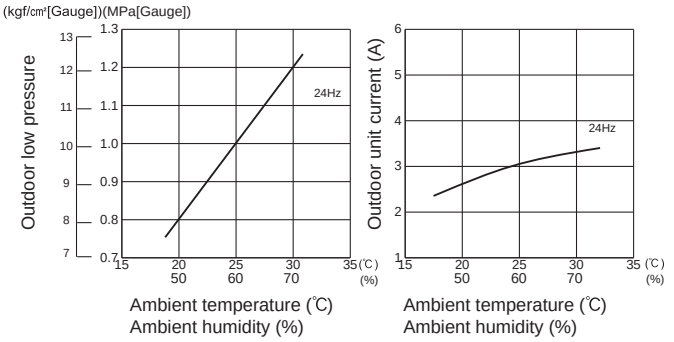


MXZ-4E83VA

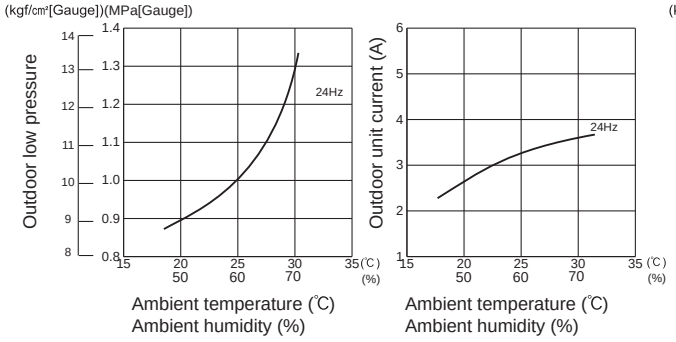
7. 42-class unit in single operation



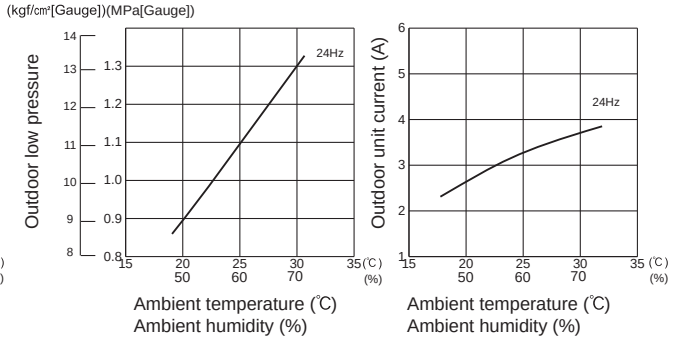
8. 50-class unit in single operation



9. 60-class unit in single operation

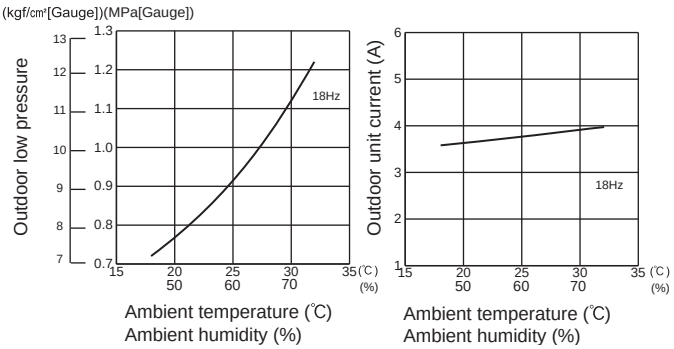


10. 71-class unit in single operation

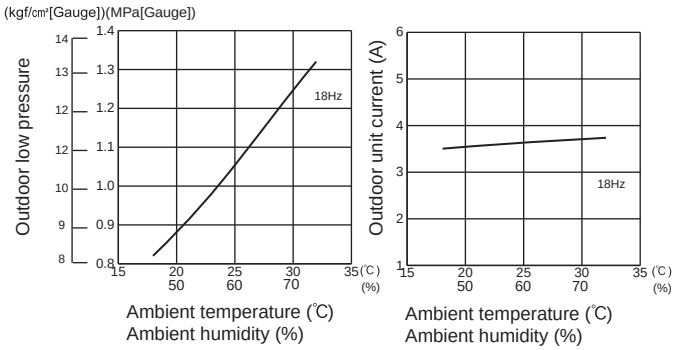


MXZ-4E83VAHZ

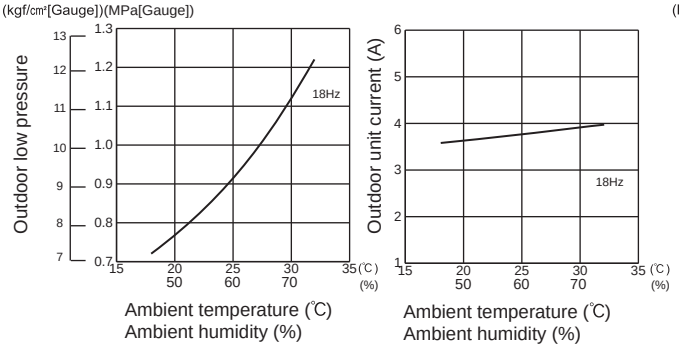
1. 15-class unit in single operation



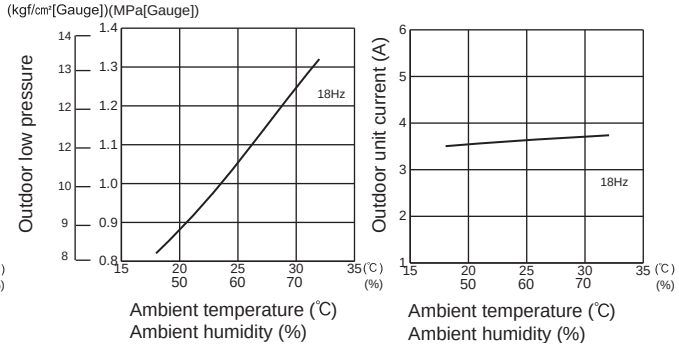
2. 18-class unit in single operation



3. 20-class unit in single operation

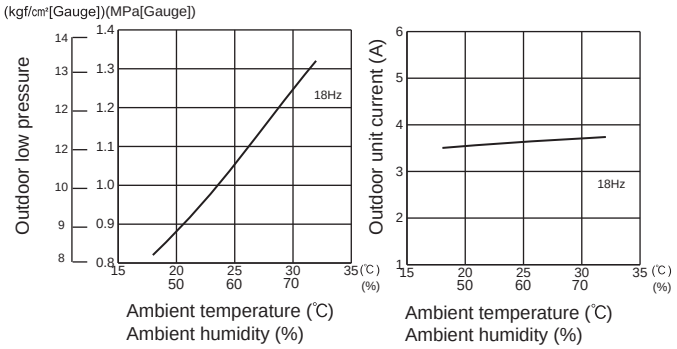


4. 22-class unit in single operation

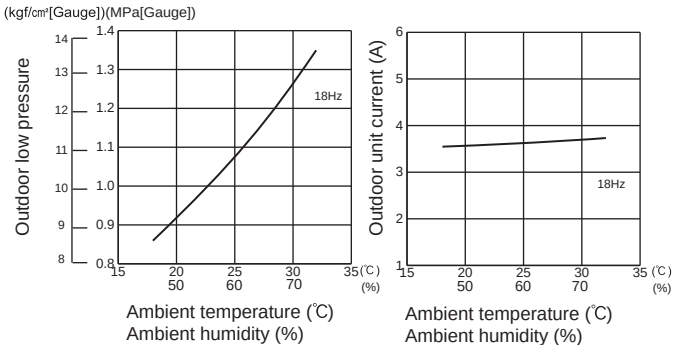


MXZ-4E83VAHZ

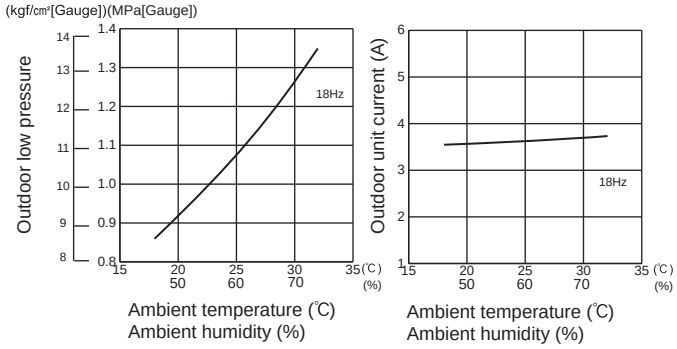
5. 25-class unit in single operation



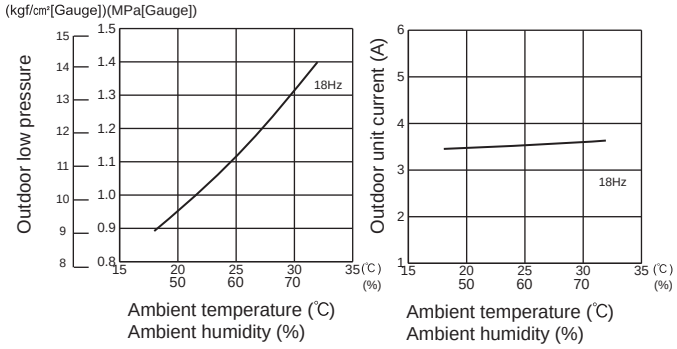
6. 35-class unit in single operation



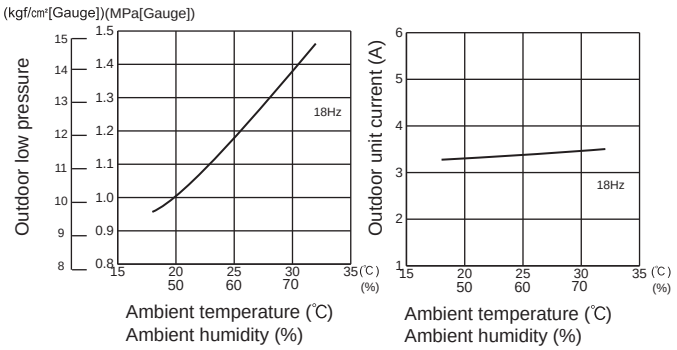
7. 42-class unit in single operation



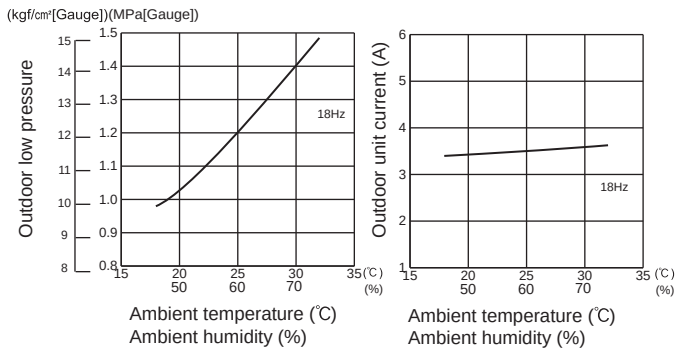
8. 50-class unit in single operation



9. 60-class unit in single operation

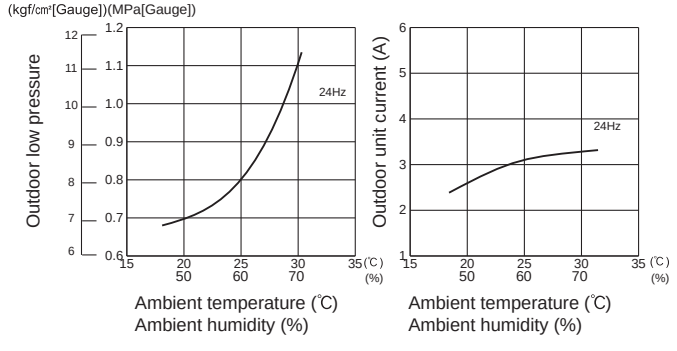


10. 71-class unit in single operation

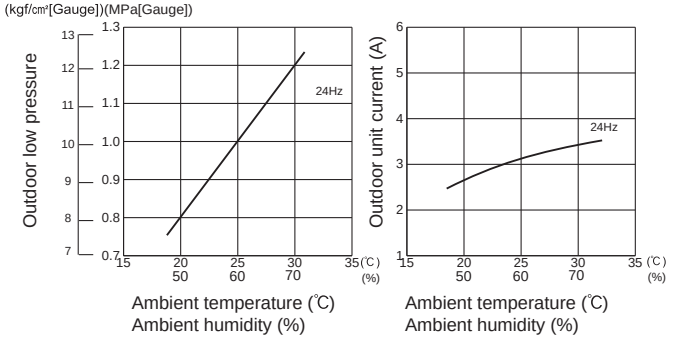


MXZ-5E102VA

1. 15-class unit in single operation

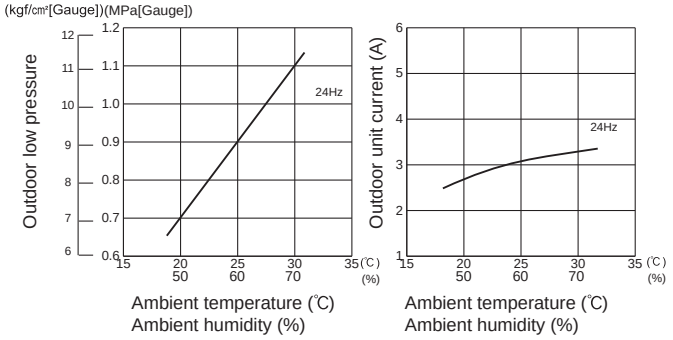


2. 18-class unit in single operation

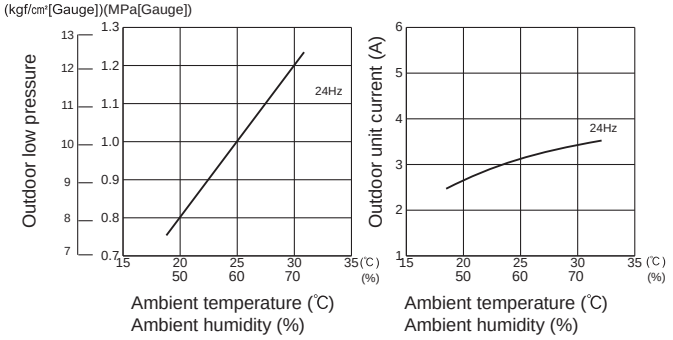


MXZ-5E102VA

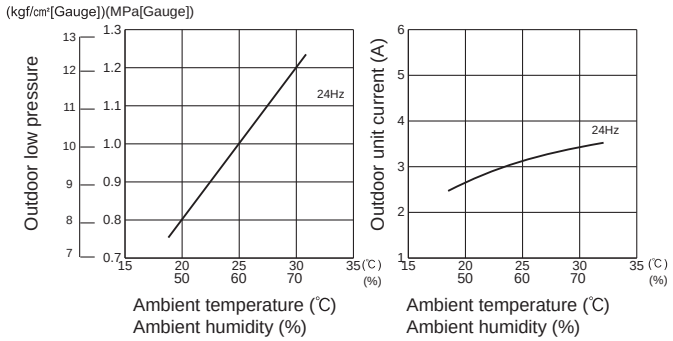
3. 20-class unit in single operation



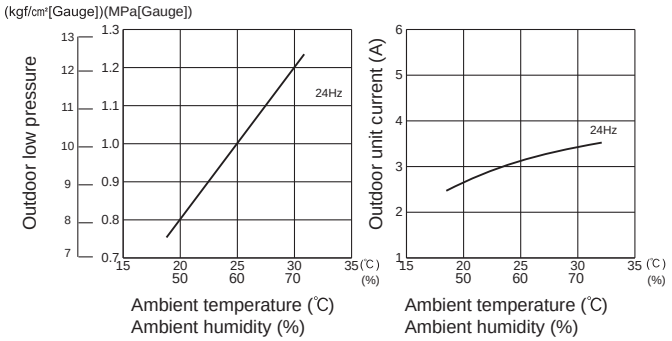
4. 22-class unit in single operation



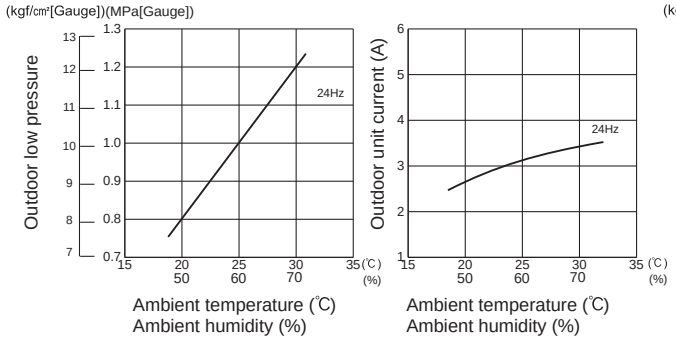
5. 25-class unit in single operation



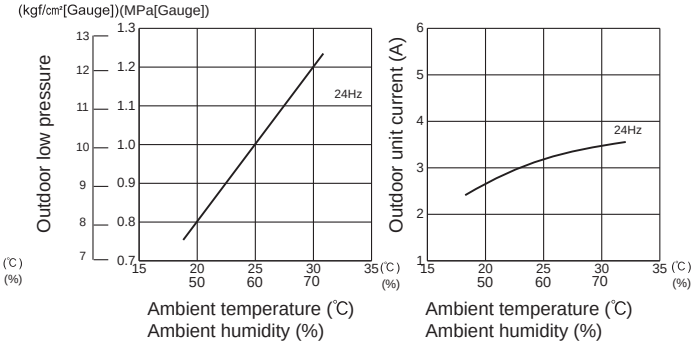
6. 35-class unit in single operation



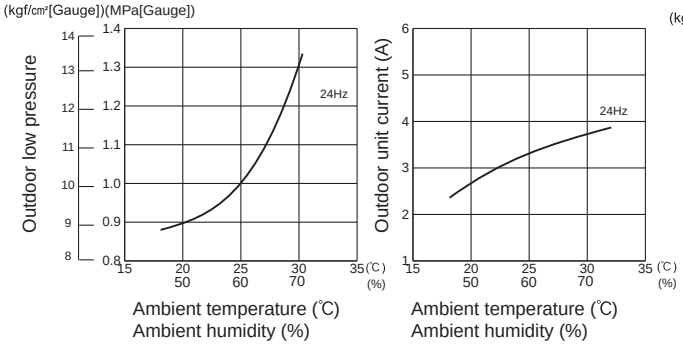
7. 42-class unit in single operation



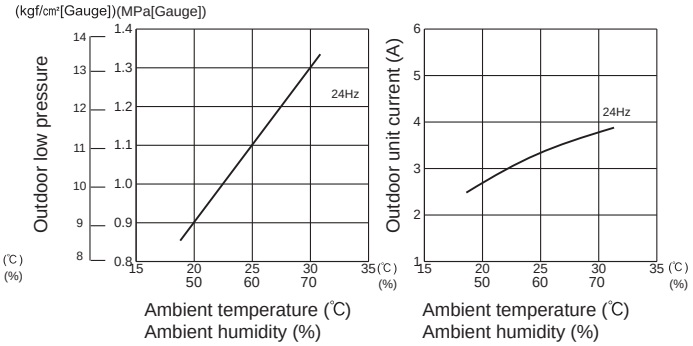
8. 50-class unit in single operation



9. 60-class unit in single operation

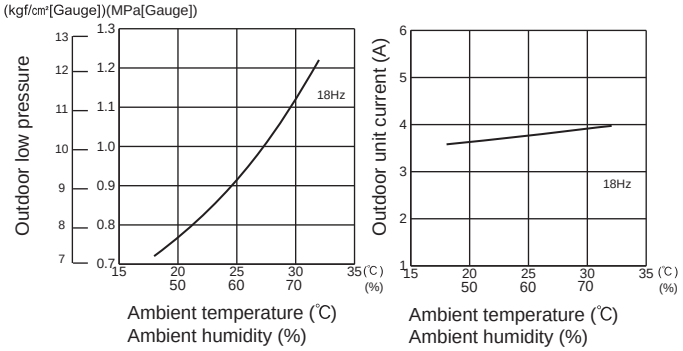


10. 71-class unit in single operation

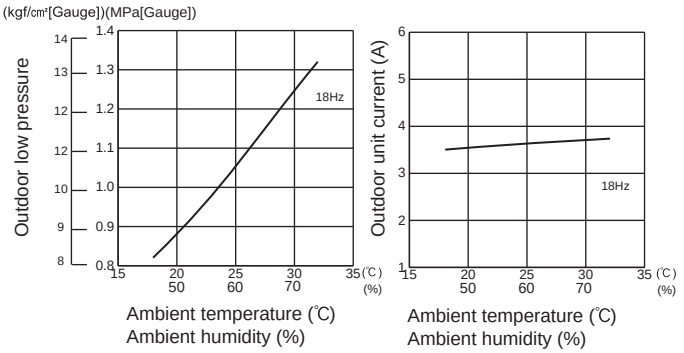


MXZ-6D122VA2

1. 15-class unit in single operation

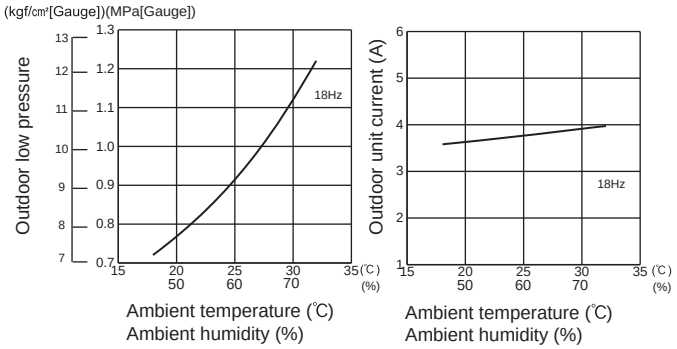


2. 18-class unit in single operation

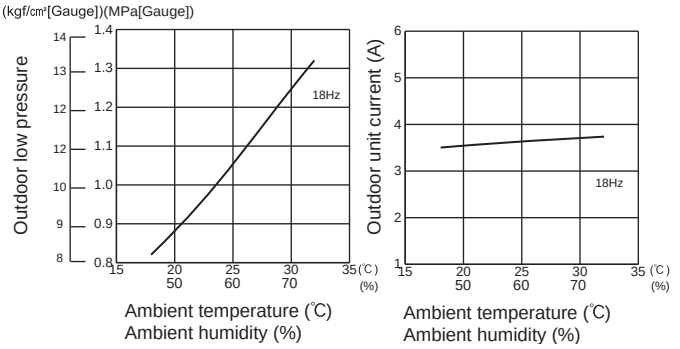


MXZ-6D122VA2

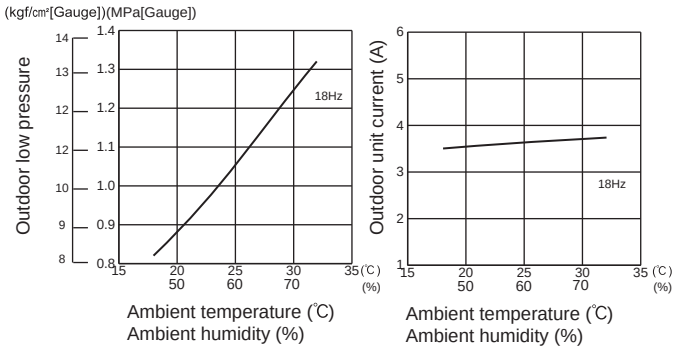
3. 20-class unit in single operation



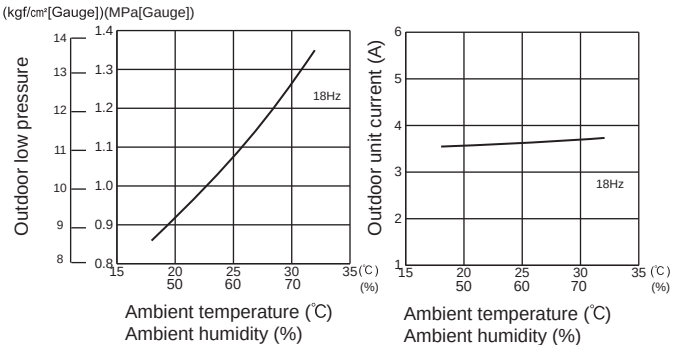
4. 22-class unit in single operation



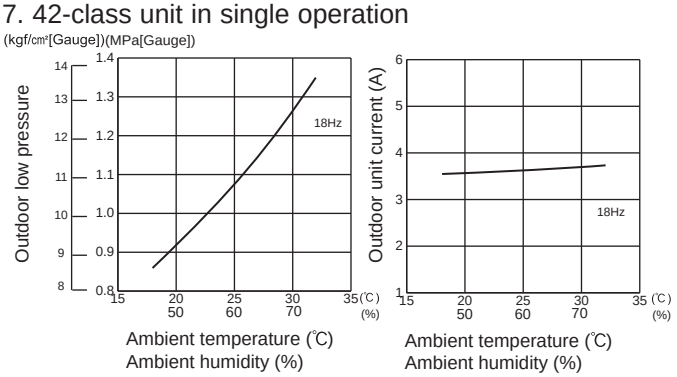
5. 25-class unit in single operation



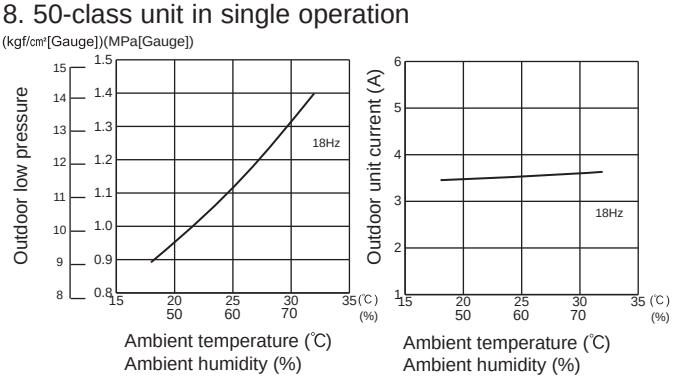
6. 35-class unit in single operation



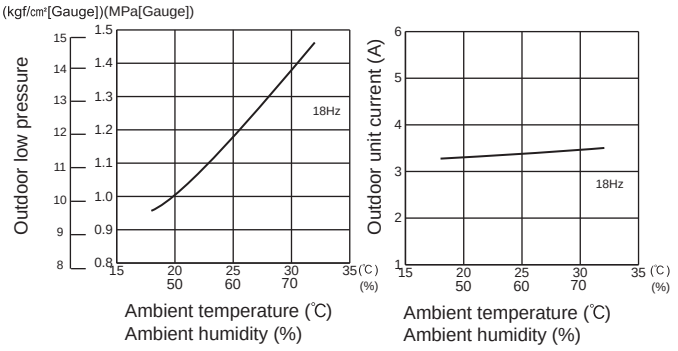
7. 42-class unit in single operation



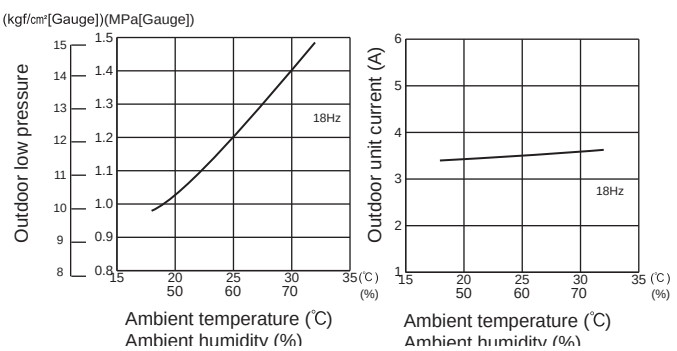
8. 50-class unit in single operation



9. 60-class unit in single operation

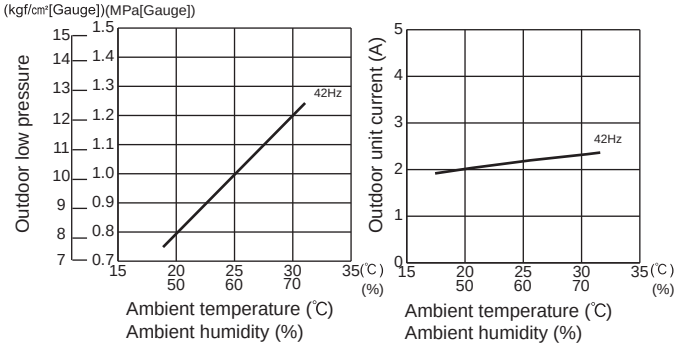


10. 71-class unit in single operation

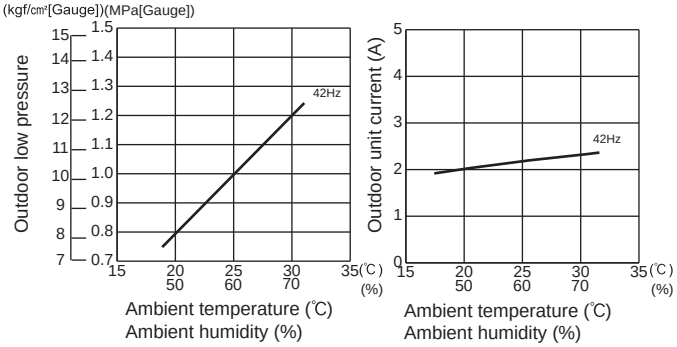


MXZ-2DM40VA

1. 25-class unit in single operation

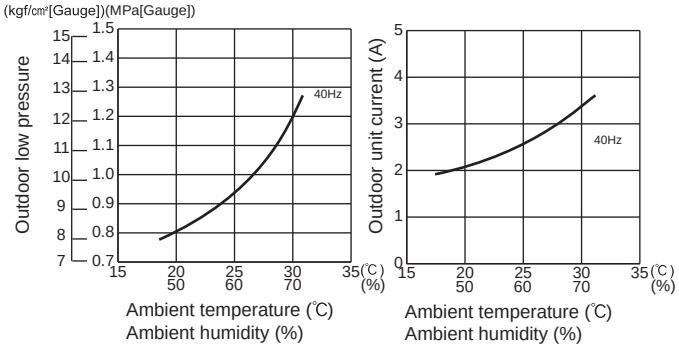


2. 35-class unit in single operation

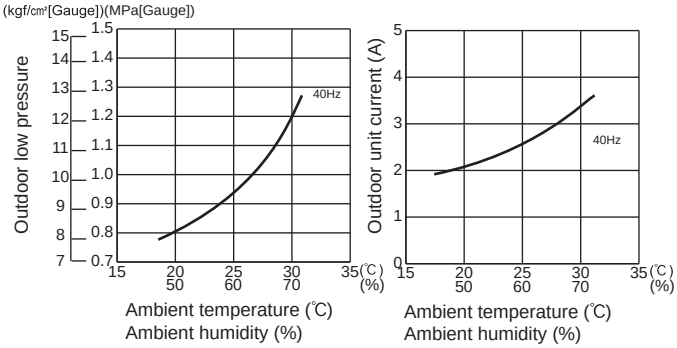


MXZ-3DM50VA

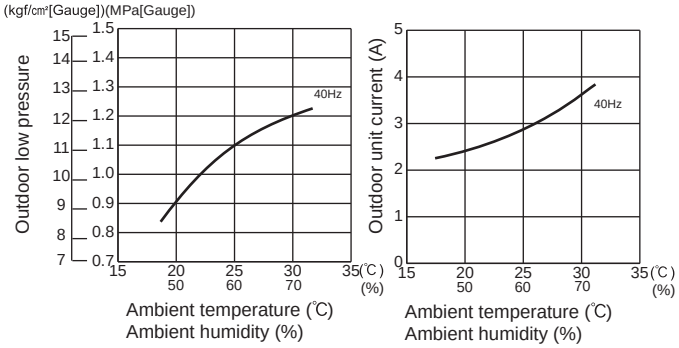
1. 25-class unit in single operation



2. 35-class unit in single operation

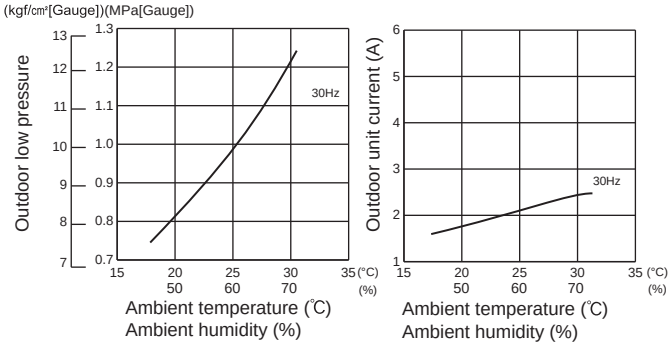


3. 50-class unit in single operation

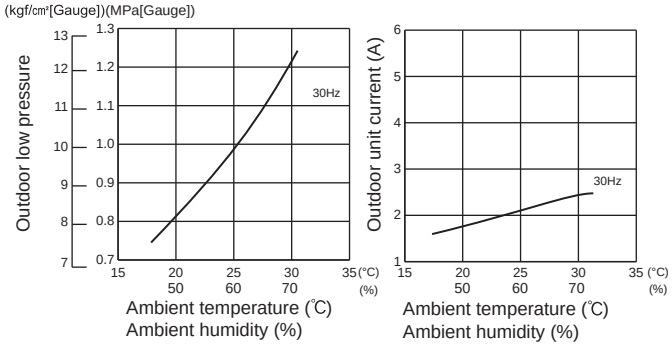


MXZ-2HA40VF

1. 25-class unit in single operation

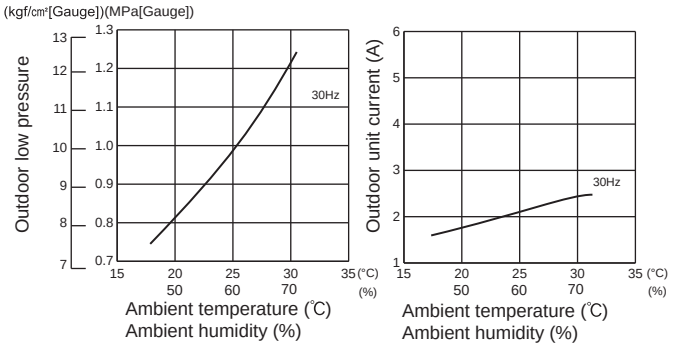


2. 35-class unit in single operation

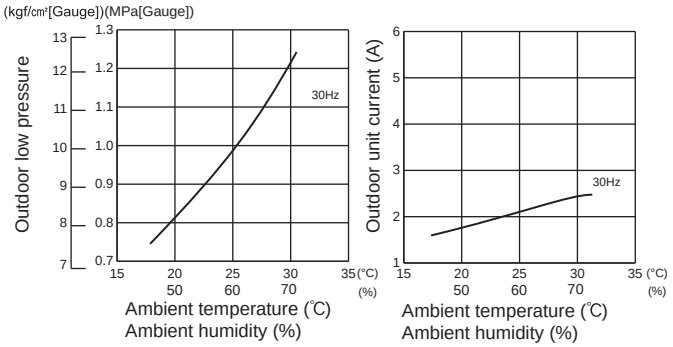


MXZ-2HA50VF

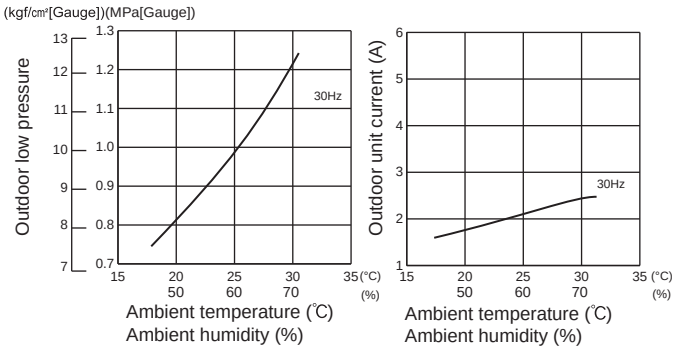
1. 25-class unit in single operation



2. 35-class unit in single operation

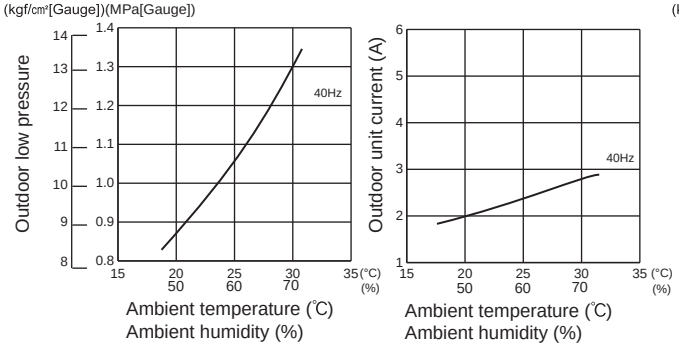


3. 42-class unit in single operation

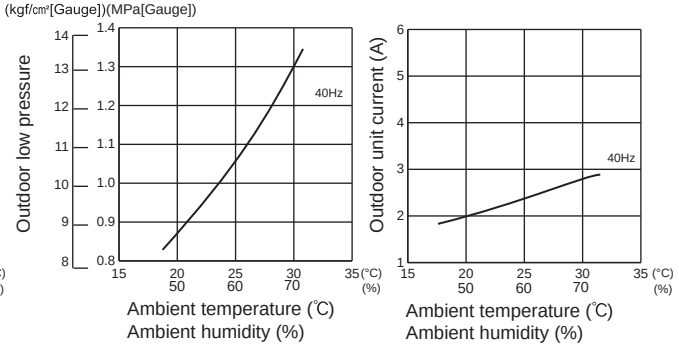


MXZ-3HA50VF

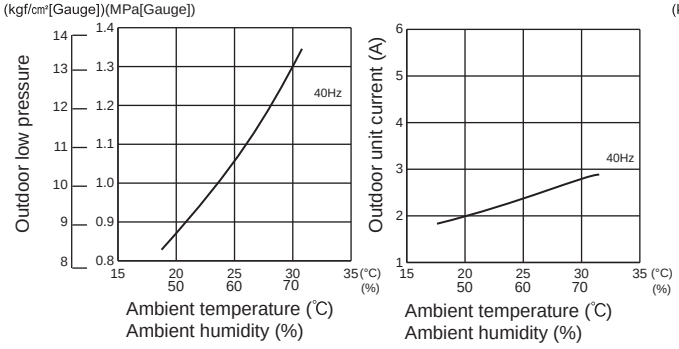
1. 25-class unit in single operation



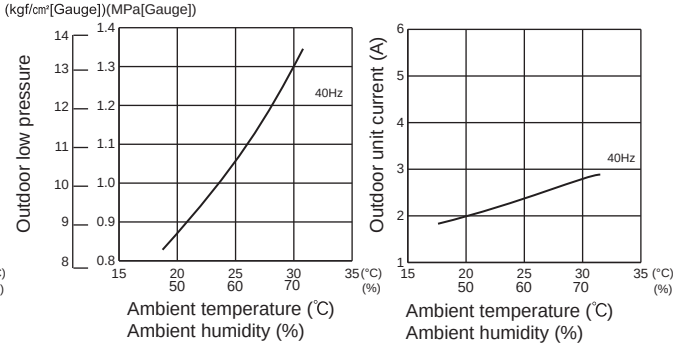
2. 35-class unit in single operation



3. 42-class unit in single operation



4. 50-class unit in single operation



HEAT operation

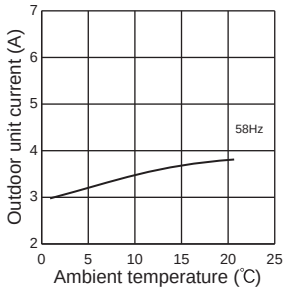
① Condition:

	Indoor	Outdoor			
Dry bulb temperature (°C)	20.0	2	7	15	20.0
Wet bulb temperature (°C)	14.5	1	6	12	14.5

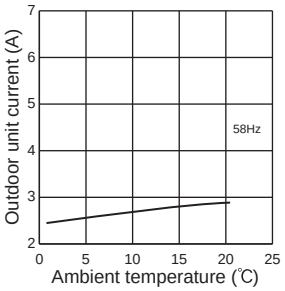
② Operation: TEST RUN OPERATION

MXZ-2F33VF3

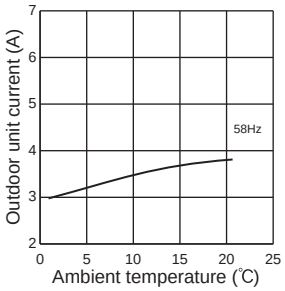
1. 15-class unit in single operation



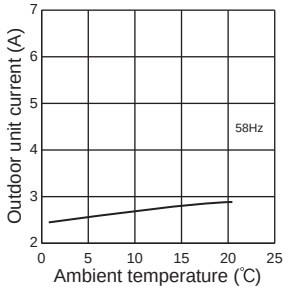
2. 18-class unit in single operation



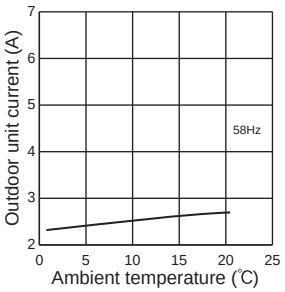
3. 20-class unit in single operation



4. 22-class unit in single operation

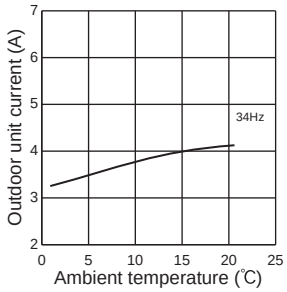


5. 25-class unit in single operation

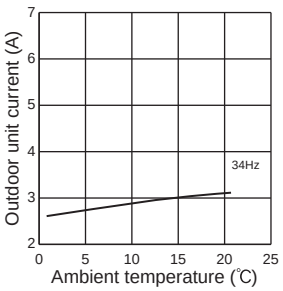


MXZ-2F42VF3

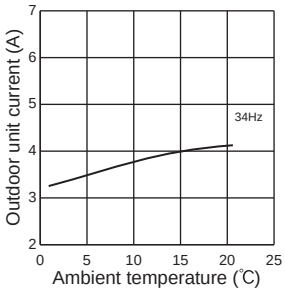
1. 15-class unit in single operation



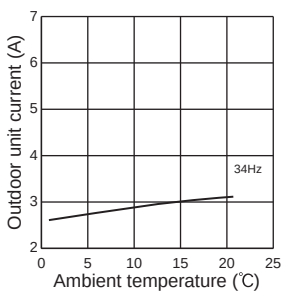
2. 18-class unit in single operation



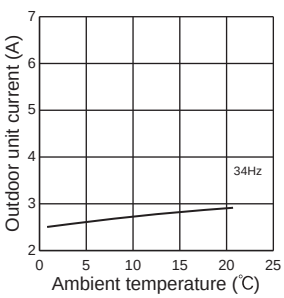
3. 20-class unit in single operation



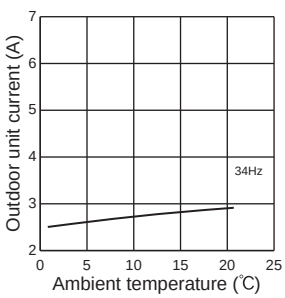
4. 22-class unit in single operation



5. 25-class unit in single operation

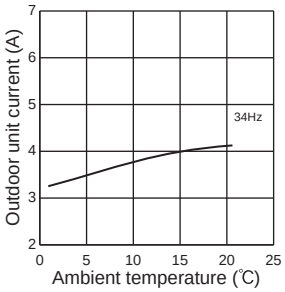


6. 35-class unit in single operation

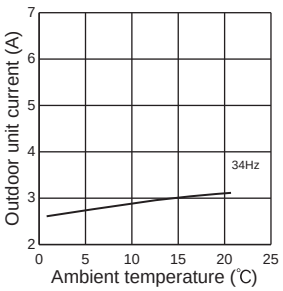


MXZ-2F53VF3 MXZ-2F53VFH3

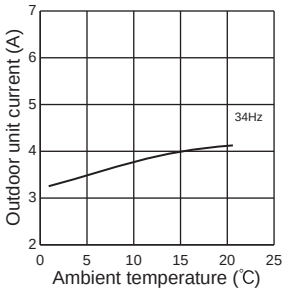
1. 15-class unit in single operation



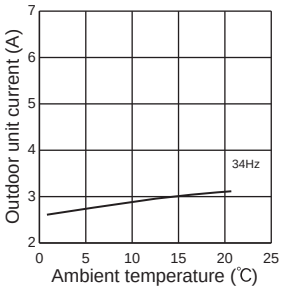
2. 18-class unit in single operation



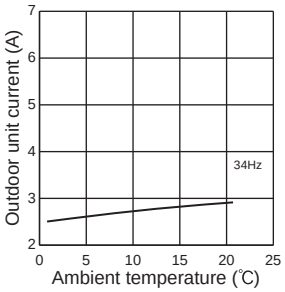
3. 20-class unit in single operation



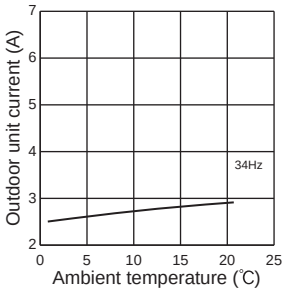
4. 22-class unit in single operation



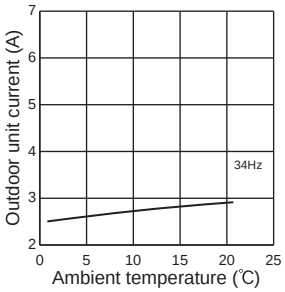
5. 25-class unit in single operation



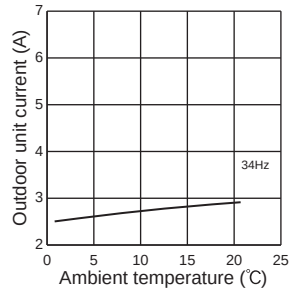
6. 35-class unit in single operation



7. 42-class unit in single operation

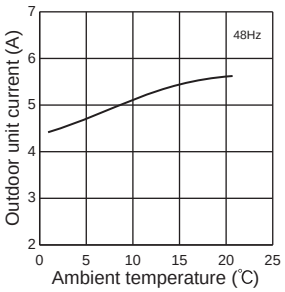


8. 50-class unit in single operation

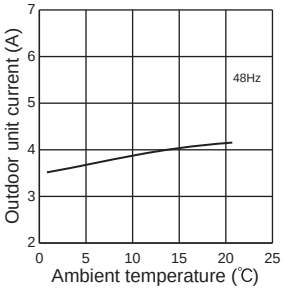


MXZ-3F54VF3

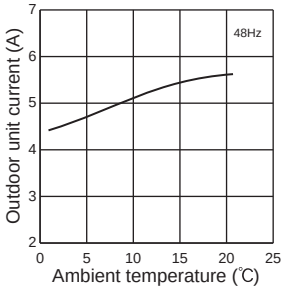
1. 15-class unit in single operation



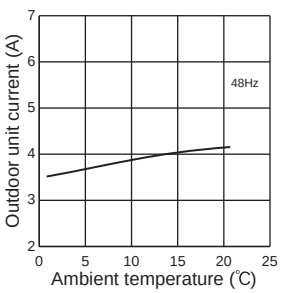
2. 18-class unit in single operation



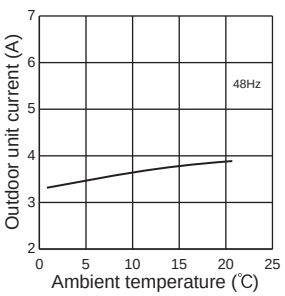
3. 20-class unit in single operation



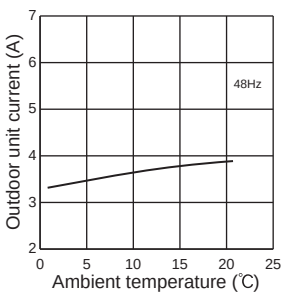
4. 22-class unit in single operation



5. 25-class unit in single operation

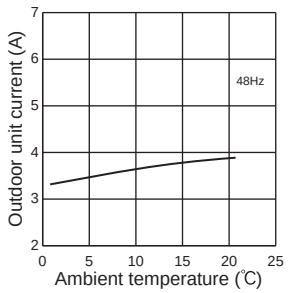


6. 35-class unit in single operation

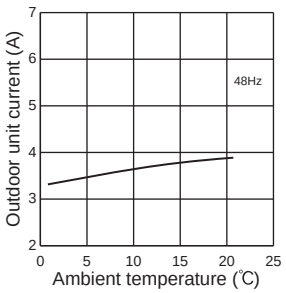


MXZ-3F54VF3

7. 42-class unit in single operation

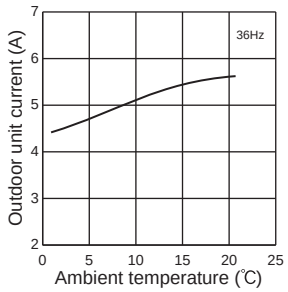


8. 50-class unit in single operation

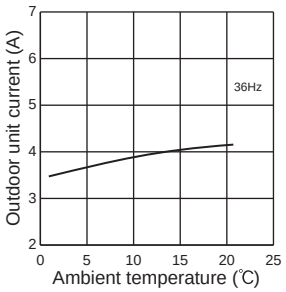


MXZ-3F68VF3 MXZ-4F72VF3

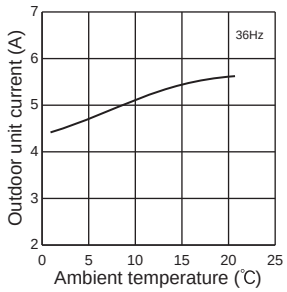
1. 15-class unit in single operation



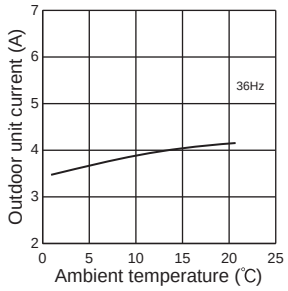
2. 18-class unit in single operation



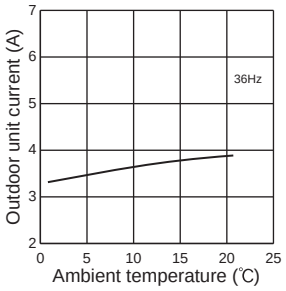
3. 20-class unit in single operation



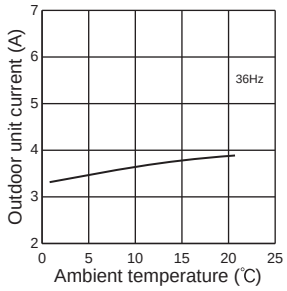
4. 22-class unit in single operation



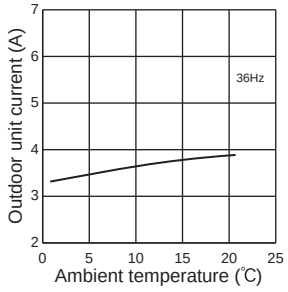
5. 25-class unit in single operation



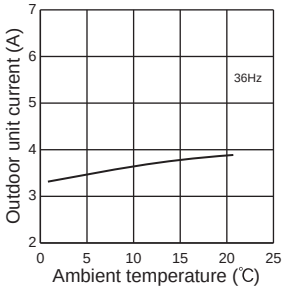
6. 35-class unit in single operation



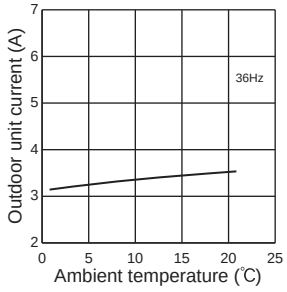
7. 42-class unit in single operation



8. 50-class unit in single operation

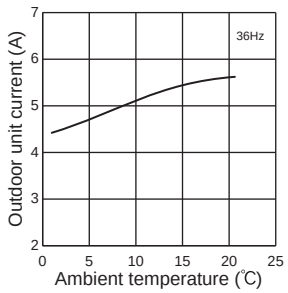


9. 60-class unit in single operation

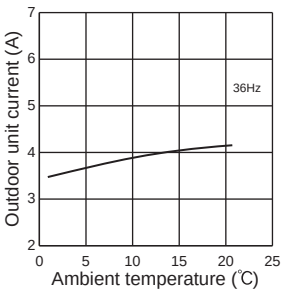


MXZ-4F80VF3

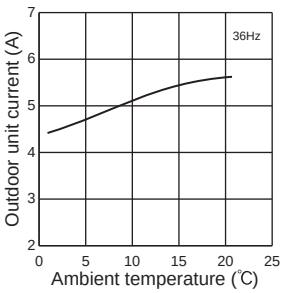
1. 15-class unit in single operation



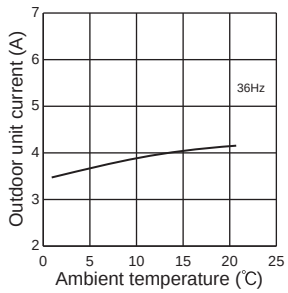
2. 18-class unit in single operation



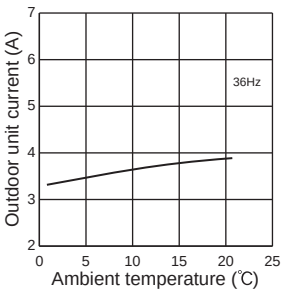
3. 20-class unit in single operation



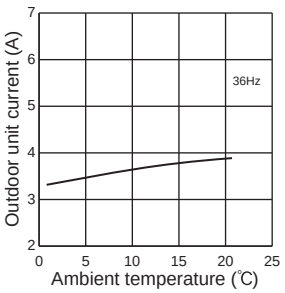
4. 22-class unit in single operation



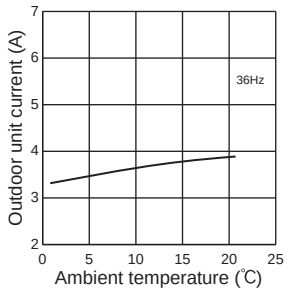
5. 25-class unit in single operation



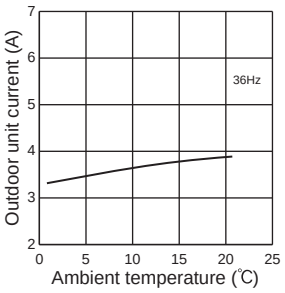
6. 35-class unit in single operation



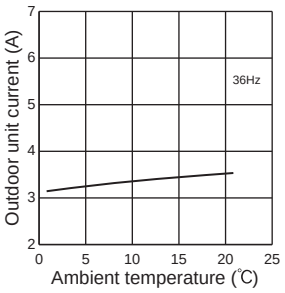
7. 42-class unit in single operation



8. 50-class unit in single operation

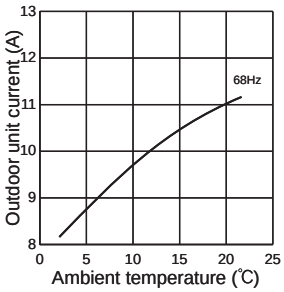


9. 60-class unit in single operation

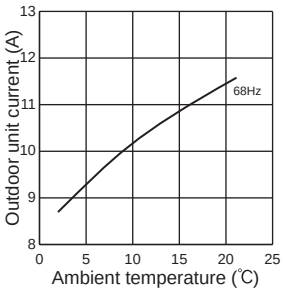


MXZ-4F83VF

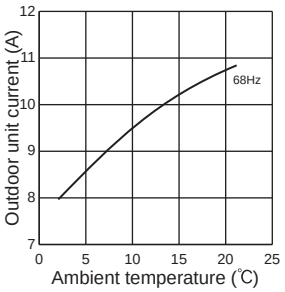
1. 15-class unit in single operation



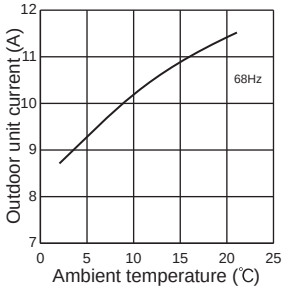
2. 18-class unit in single operation



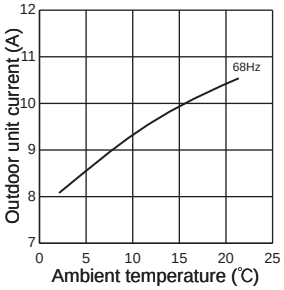
3. 20-class unit in single operation



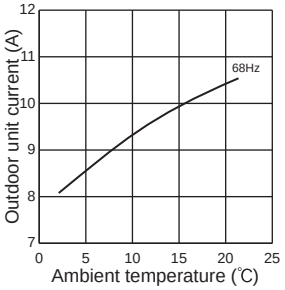
4. 22-class unit in single operation



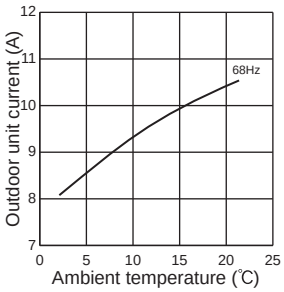
5. 25-class unit in single operation



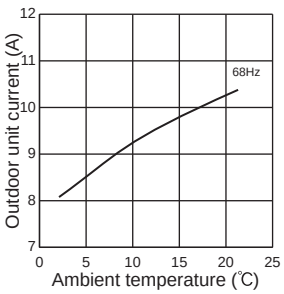
6. 35-class unit in single operation



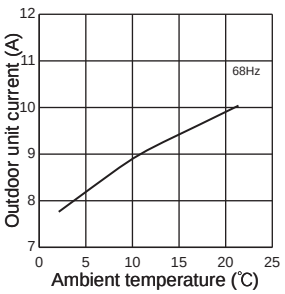
7. 42-class unit in single operation



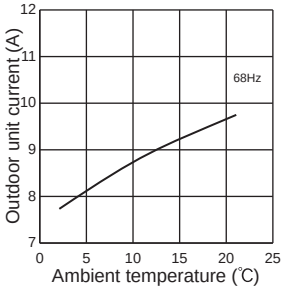
8. 50-class unit in single operation



9. 60-class unit in single operation

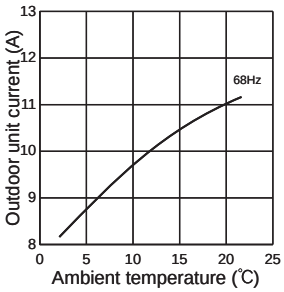


10. 71-class unit in single operation

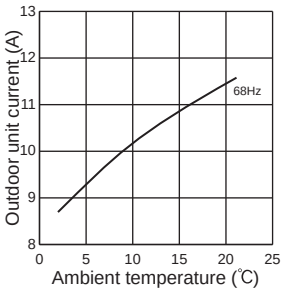


MXZ-5F102VF

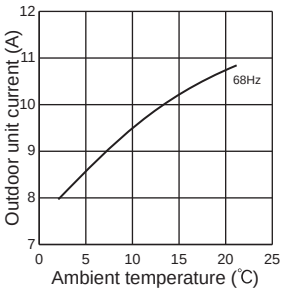
1. 15-class unit in single operation



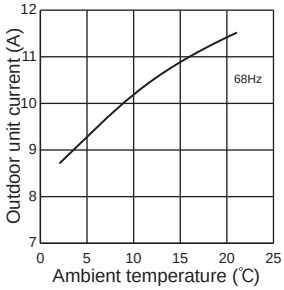
2. 18-class unit in single operation



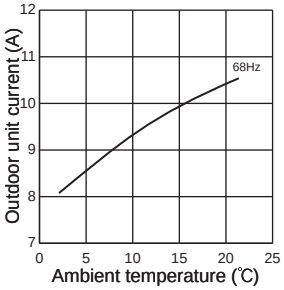
3. 20-class unit in single operation



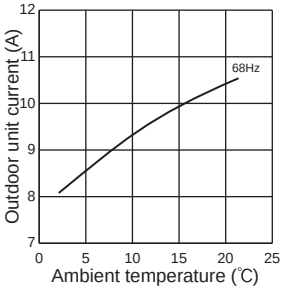
4. 22-class unit in single operation



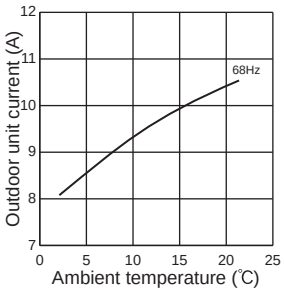
5. 25-class unit in single operation



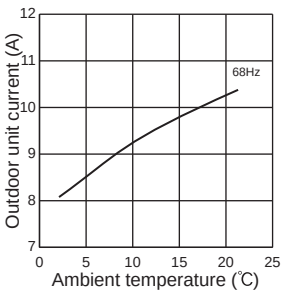
6. 35-class unit in single operation



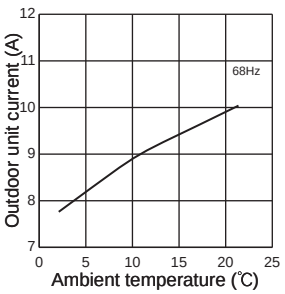
7. 42-class unit in single operation



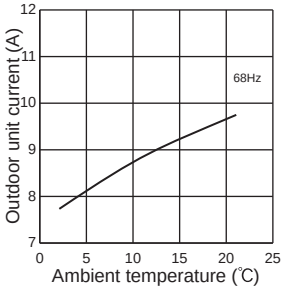
8. 50-class unit in single operation



9. 60-class unit in single operation

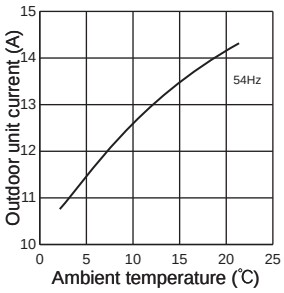


10. 71-class unit in single operation

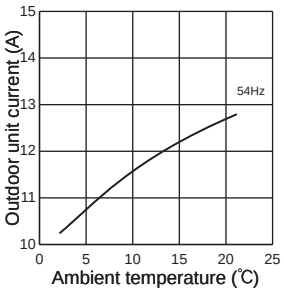


MXZ-6F122VF

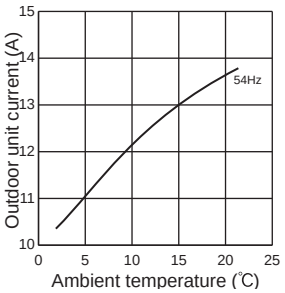
1. 15-class unit in single operation



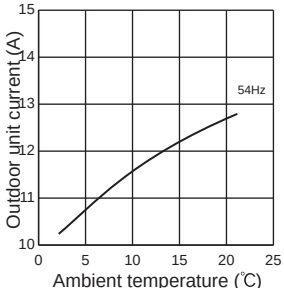
2. 18-class unit in single operation



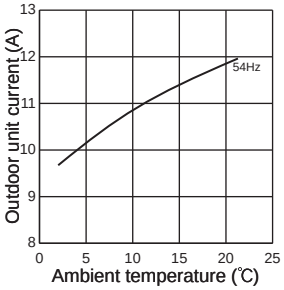
3. 20-class unit in single operation



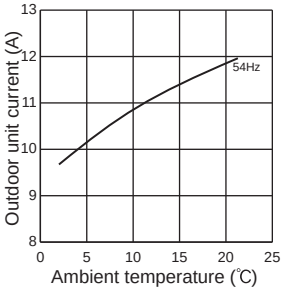
4. 22-class unit in single operation



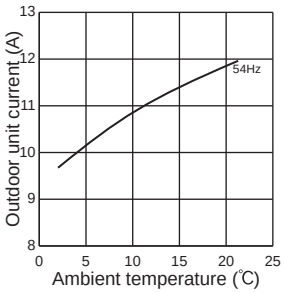
5. 25-class unit in single operation



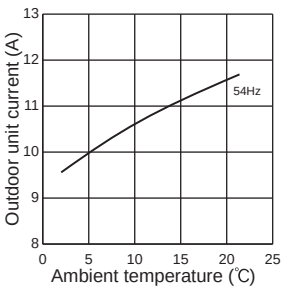
6. 35-class unit in single operation



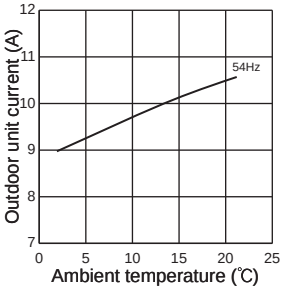
7. 42-class unit in single operation



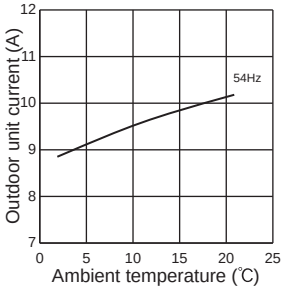
8. 50-class unit in single operation



9. 60-class unit in single operation

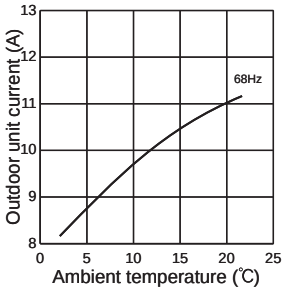


10. 71-class unit in single operation

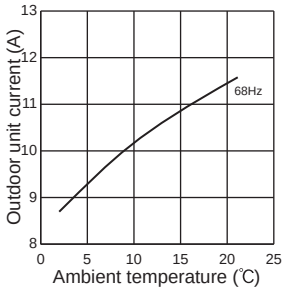


MXZ-2F53VFHZ

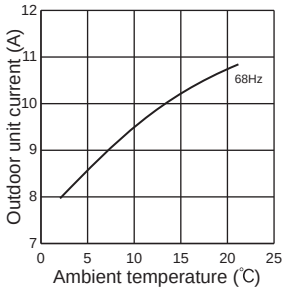
1. 15-class unit in single operation



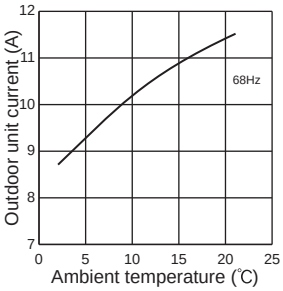
2. 18-class unit in single operation



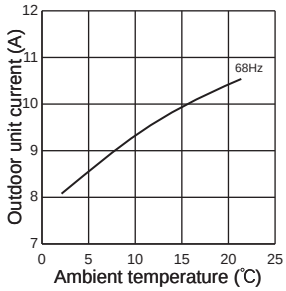
3. 20-class unit in single operation



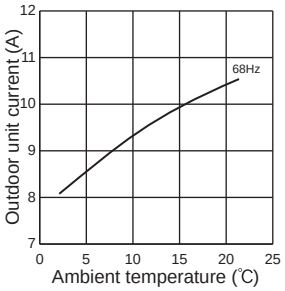
4. 22-class unit in single operation



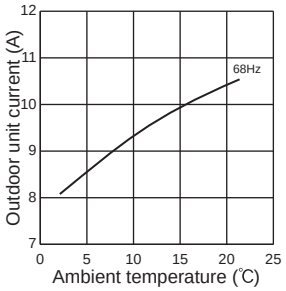
5. 25-class unit in single operation



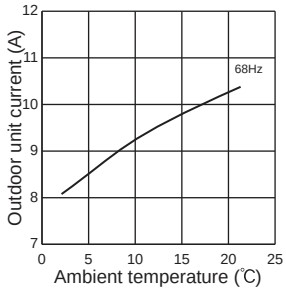
6. 35-class unit in single operation



7. 42-class unit in single operation

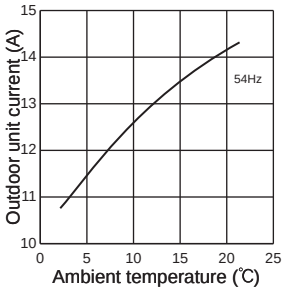


8. 50-class unit in single operation

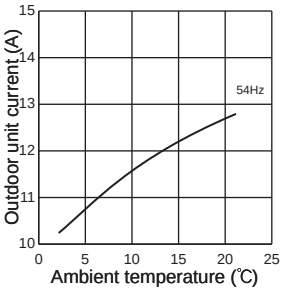


MXZ-4F83VFHZ

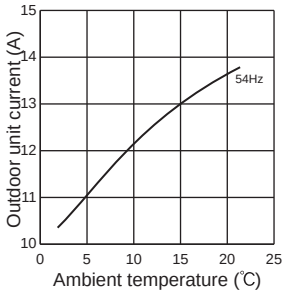
1. 15-class unit in single operation



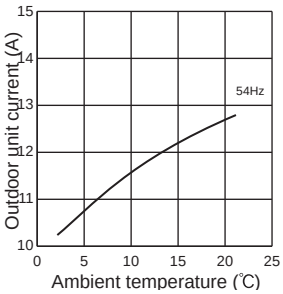
2. 18-class unit in single operation



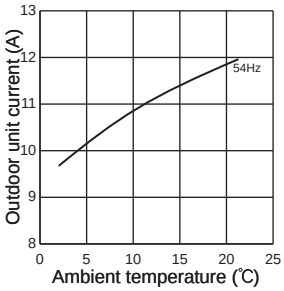
3. 20-class unit in single operation



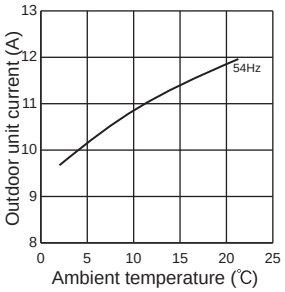
4. 22-class unit in single operation



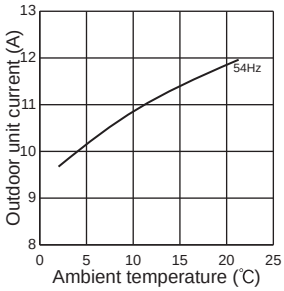
5. 25-class unit in single operation



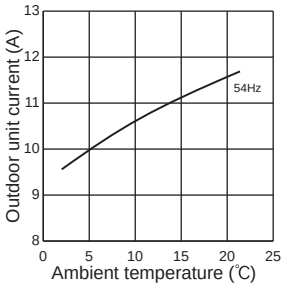
6. 35-class unit in single operation



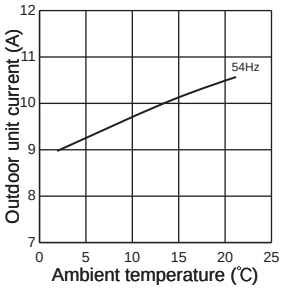
7. 42-class unit in single operation



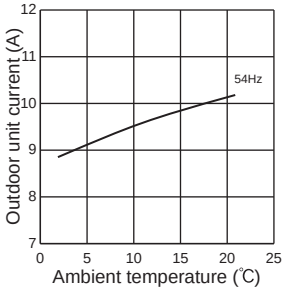
8. 50-class unit in single operation



9. 60-class unit in single operation

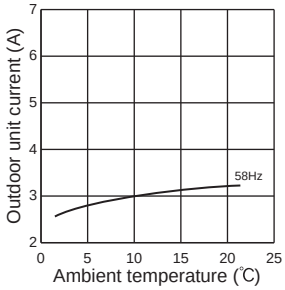


10. 71-class unit in single operation

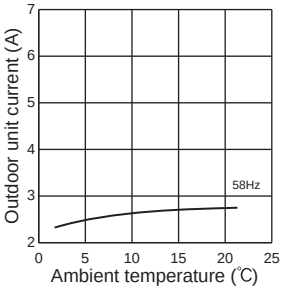


MXZ-2D33VA

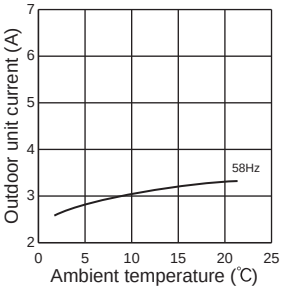
1. 15-class unit in single operation



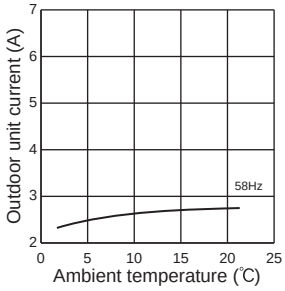
2. 18-class unit in single operation



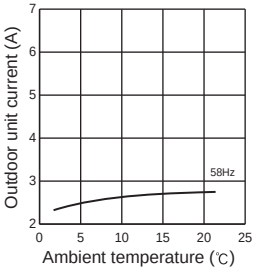
3. 20-class unit in single operation



4. 22-class unit in single operation

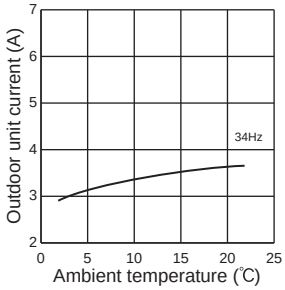


5. 25-class unit in single operation

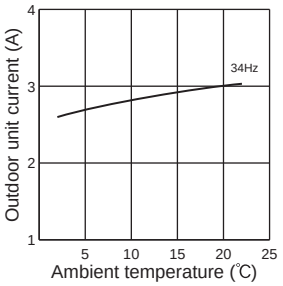


MXZ-2D42VA2 MXZ-2D53VA2 MXZ-2D53VAH2

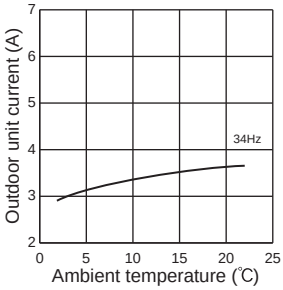
1. 15-class unit in single operation



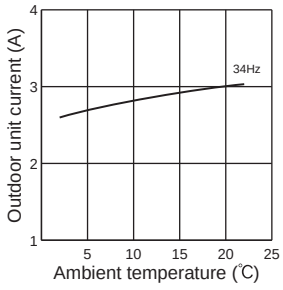
2. 18-class unit in single operation



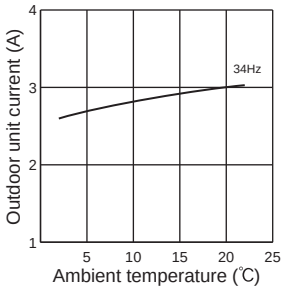
3. 20-class unit in single operation



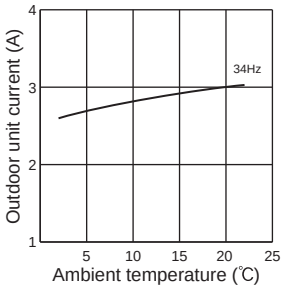
4. 22-class unit in single operation



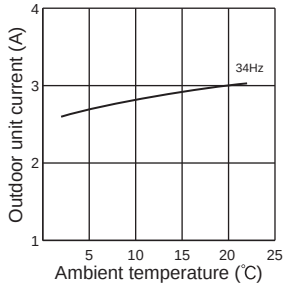
5. 25-class unit in single operation



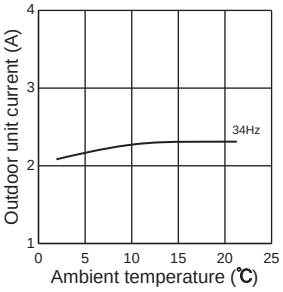
6. 35-class unit in single operation



7. 42-class unit in single operation

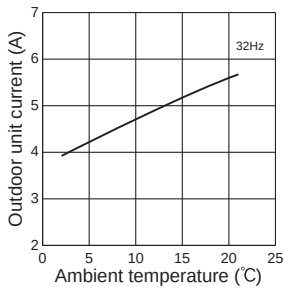


8. 50-class unit in single operation

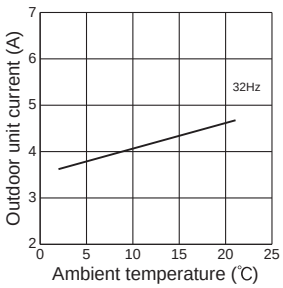


MXZ-2E53VAHZ

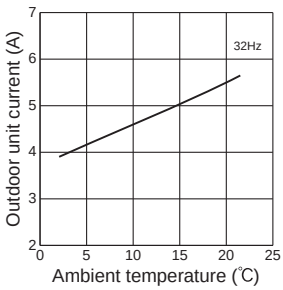
1. 15-class unit in single operation



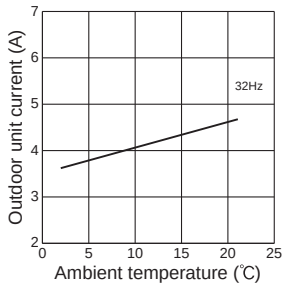
2. 18-class unit in single operation



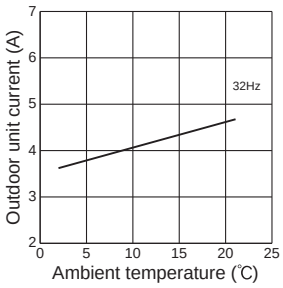
3. 20-class unit in single operation



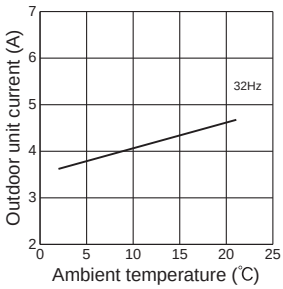
4. 22-class unit in single operation



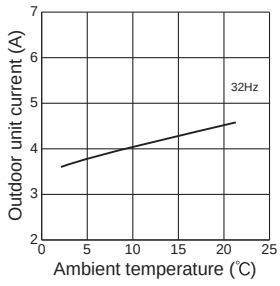
5. 25-class unit in single operation



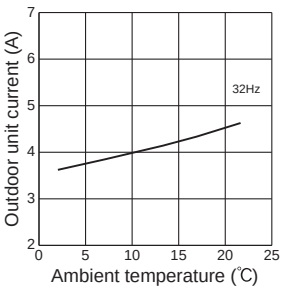
6. 35-class unit in single operation



7. 42-class unit in single operation

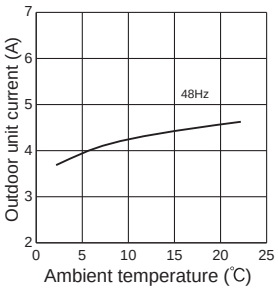


8. 50-class unit in single operation

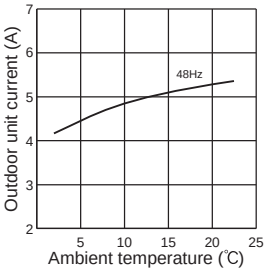


MXZ-3E54VA

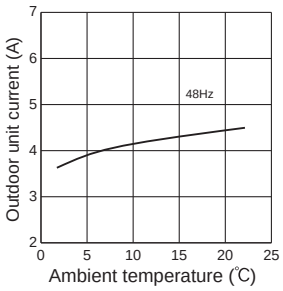
1. 15-class unit in single operation



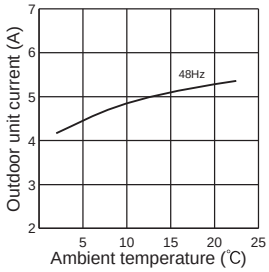
2. 18-class unit in single operation



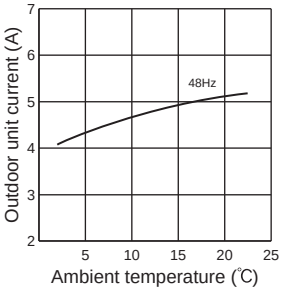
3. 20-class unit in single operation



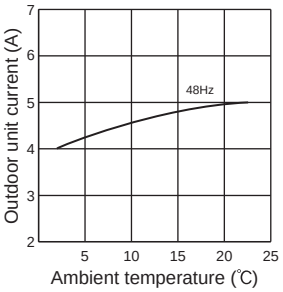
4. 22-class unit in single operation



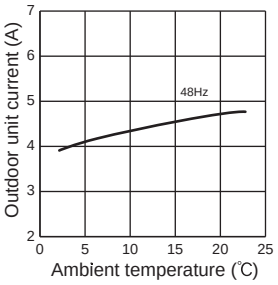
5. 25-class unit in single operation



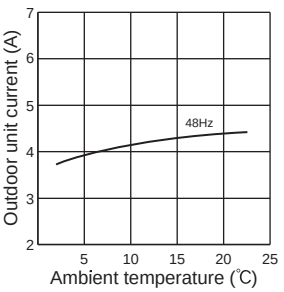
6. 35-class unit in single operation



7. 42-class unit in single operation

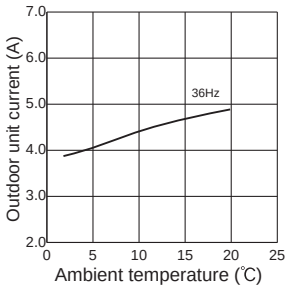


8. 50-class unit in single operation

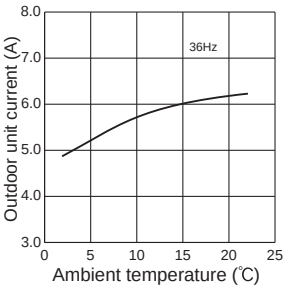


MXZ-3E68VA MXZ-4E72VA

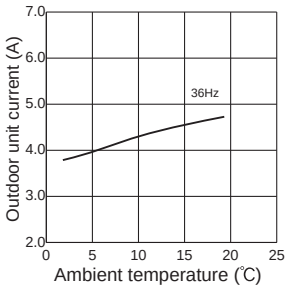
1. 15-class unit in single operation



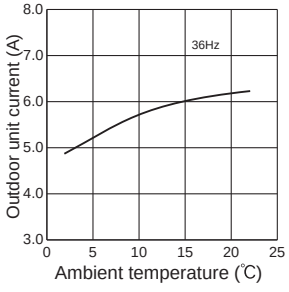
2. 18-class unit in single operation



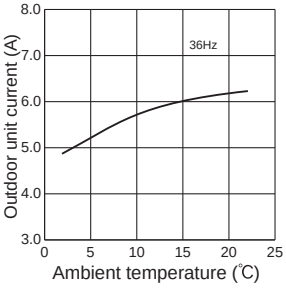
3. 20-class unit in single operation



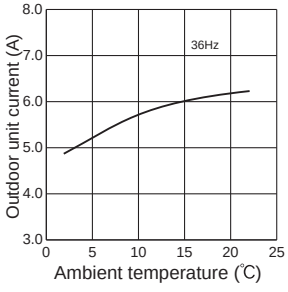
4. 22-class unit in single operation



5. 25-class unit in single operation

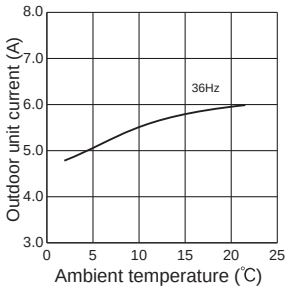


6. 35-class unit in single operation

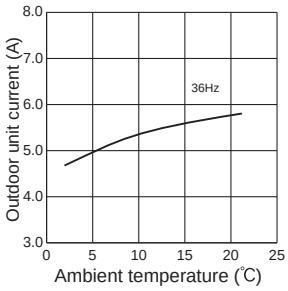


MXZ-3E68VA MXZ-4E72VA

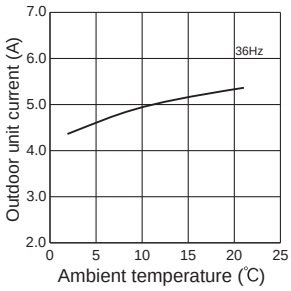
7. 42-class unit in single operation



8. 50-class unit in single operation

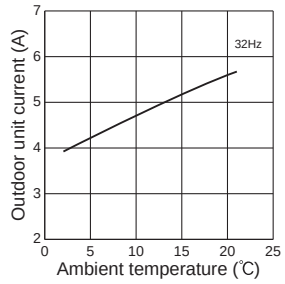


9. 60-class unit in single operation

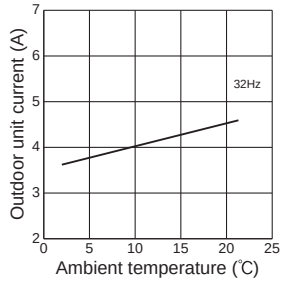


MXZ-4E83VA

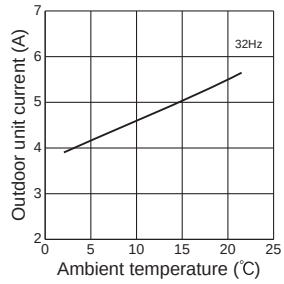
1. 15-class unit in single operation



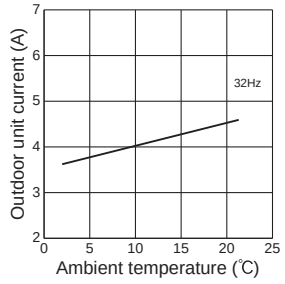
2. 18-class unit in single operation



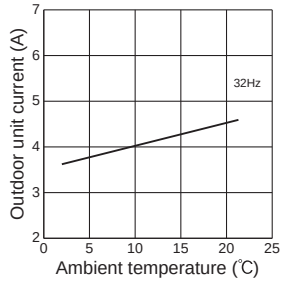
3. 20-class unit in single operation



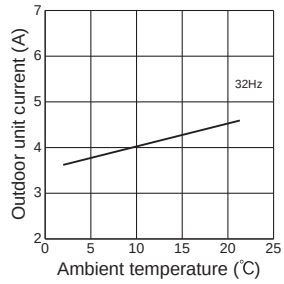
4. 22-class unit in single operation



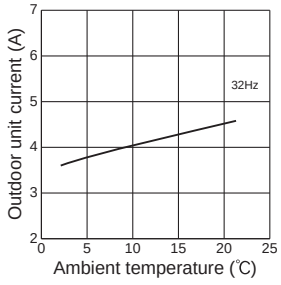
5. 25-class unit in single operation



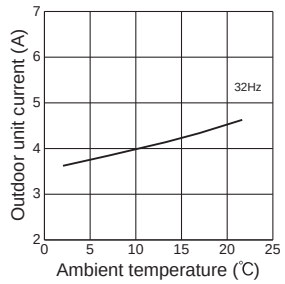
6. 35-class unit in single operation



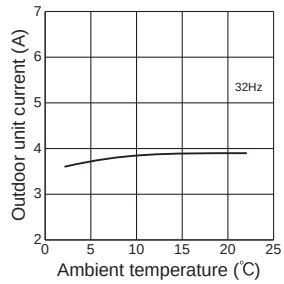
7. 42-class unit in single operation



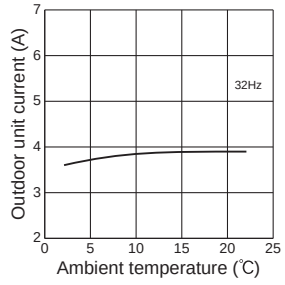
8. 50-class unit in single operation



9. 60-class unit in single operation

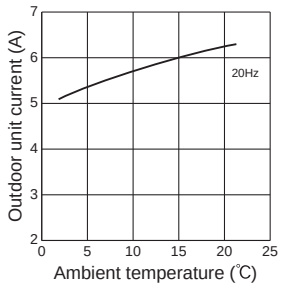


10. 71-class unit in single operation

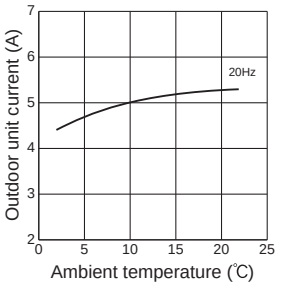


MXZ-4E83VAHZ

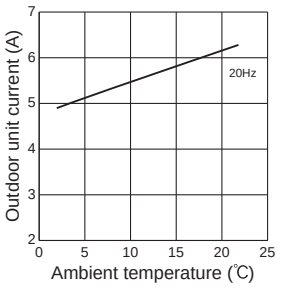
1. 15-class unit in single operation



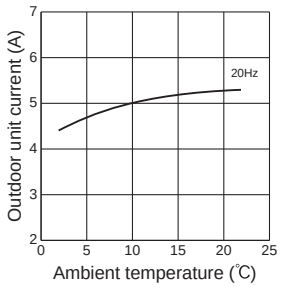
2. 18-class unit in single operation



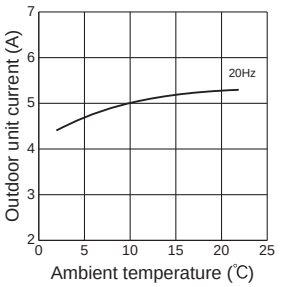
3. 20-class unit in single operation



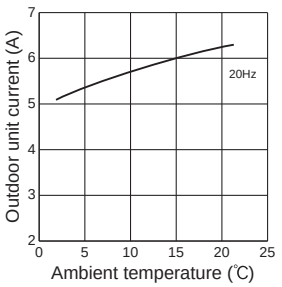
4. 22-class unit in single operation



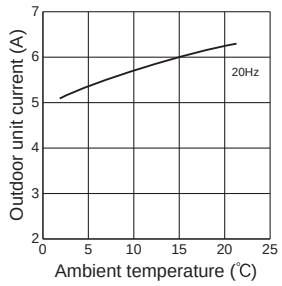
5. 25-class unit in single operation



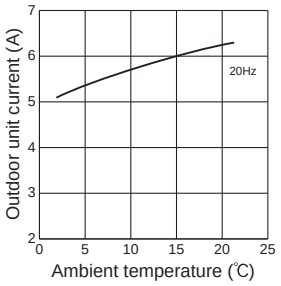
6. 35-class unit in single operation



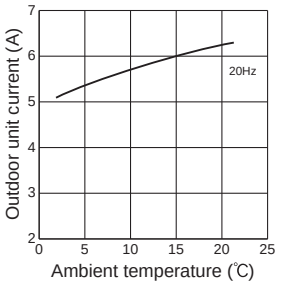
7. 42-class unit in single operation



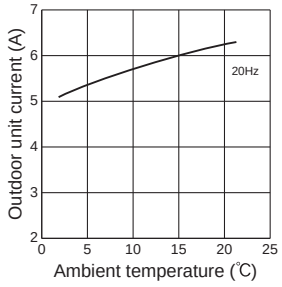
8. 50-class unit in single operation



9. 60-class unit in single operation

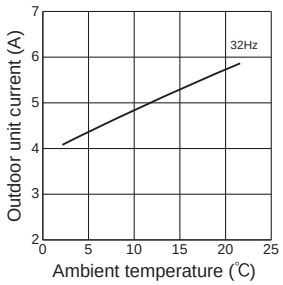


10. 71-class unit in single operation

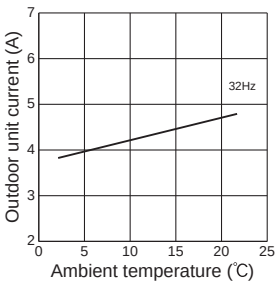


MXZ-5E102VA

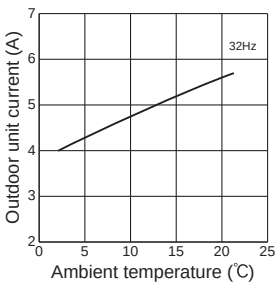
1. 15-class unit in single operation



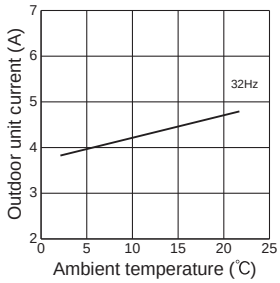
2. 18-class unit in single operation



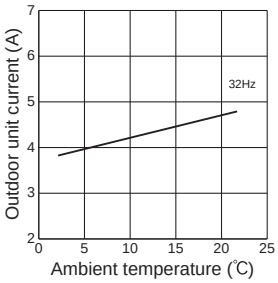
3. 20-class unit in single operation



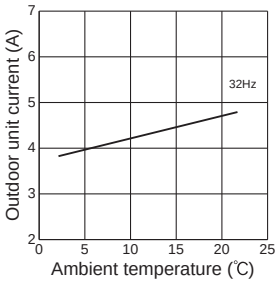
4. 22-class unit in single operation



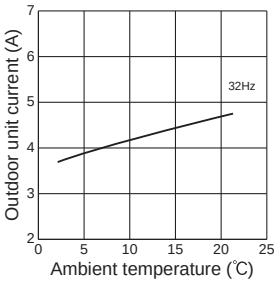
5. 25-class unit in single operation



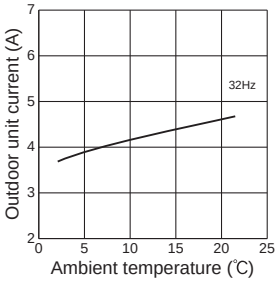
6. 35-class unit in single operation



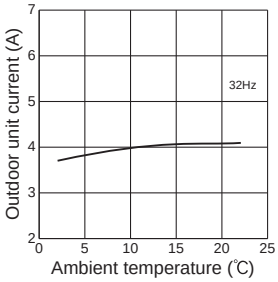
7. 42-class unit in single operation



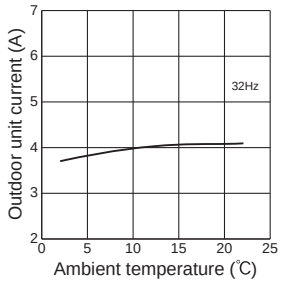
8. 50-class unit in single operation



9. 60-class unit in single operation

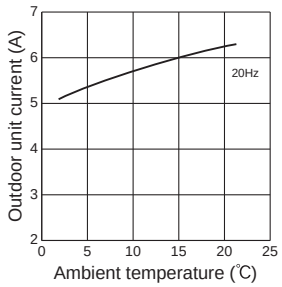


10. 71-class unit in single operation

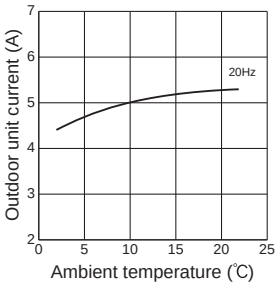


MXZ-6D122VA2

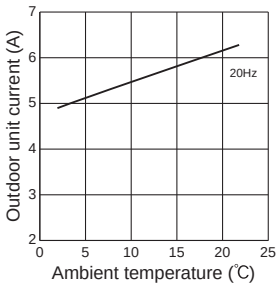
1. 15-class unit in single operation



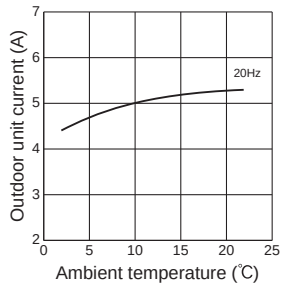
2. 20-class unit in single operation



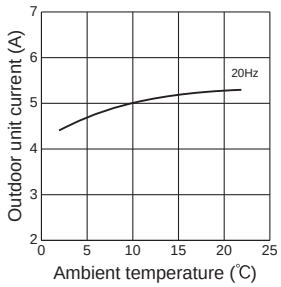
3. 18-class unit in single operation



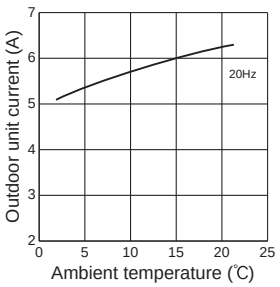
4. 22-class unit in single operation



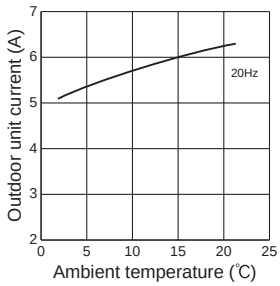
5. 25-class unit in single operation



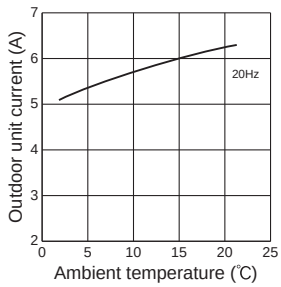
6. 35-class unit in single operation



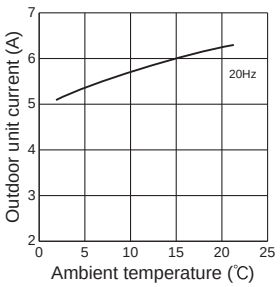
7. 42-class unit in single operation



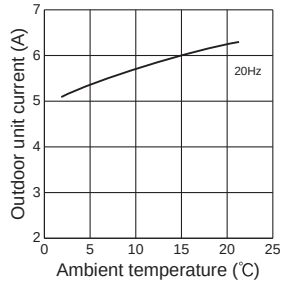
8. 50-class unit in single operation



9. 60-class unit in single operation

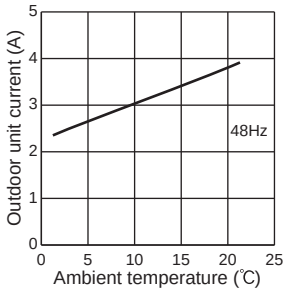


10. 71-class unit in single operation

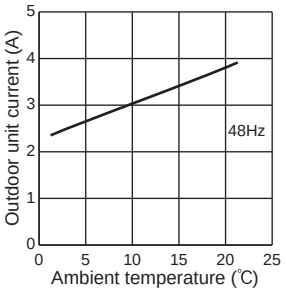


MXZ-2DM40VA

1. 25-class unit in single operation

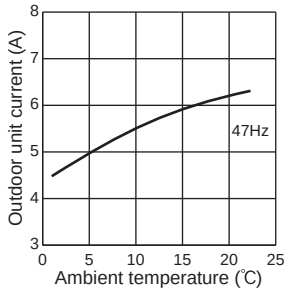


2. 35-class unit in single operation

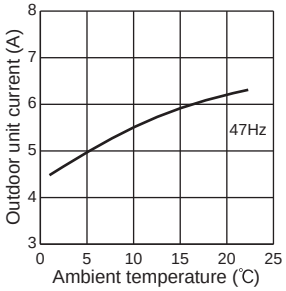


MXZ-3DM50VA

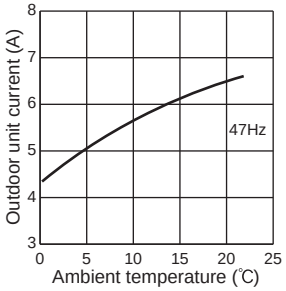
1. 25-class unit in single operation



2. 35-class unit in single operation

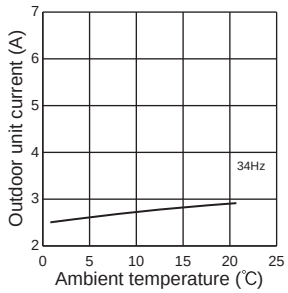


3. 50-class unit in single operation

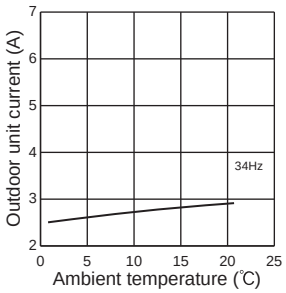


MXZ-2HA40VF

1. 25-class unit in single operation

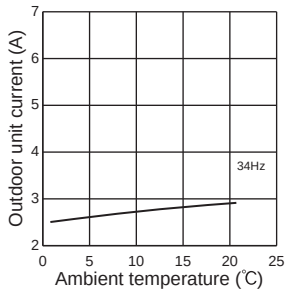


2. 35-class unit in single operation

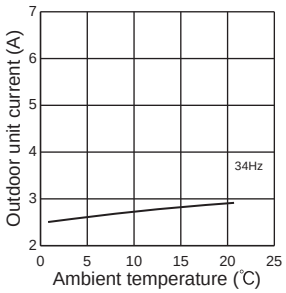


MXZ-2HA50VF

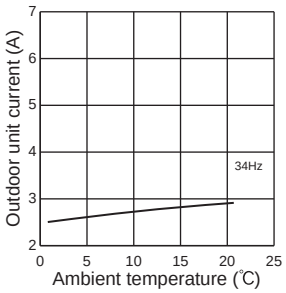
1. 25-class unit in single operation



2. 35-class unit in single operation

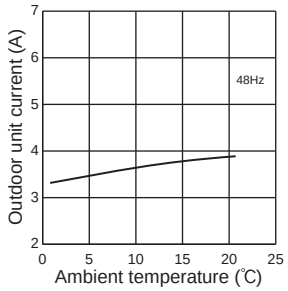


3. 42-class unit in single operation

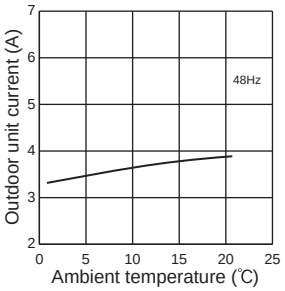


MXZ-3HA50VF

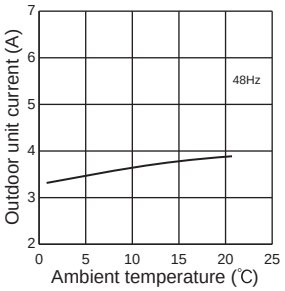
1. 25-class unit in single operation



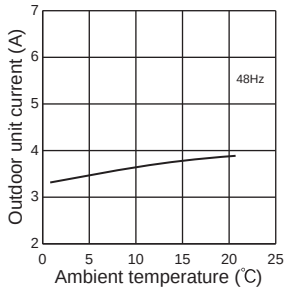
2. 35-class unit in single operation



3. 42-class unit in single operation



4. 50-class unit in single operation

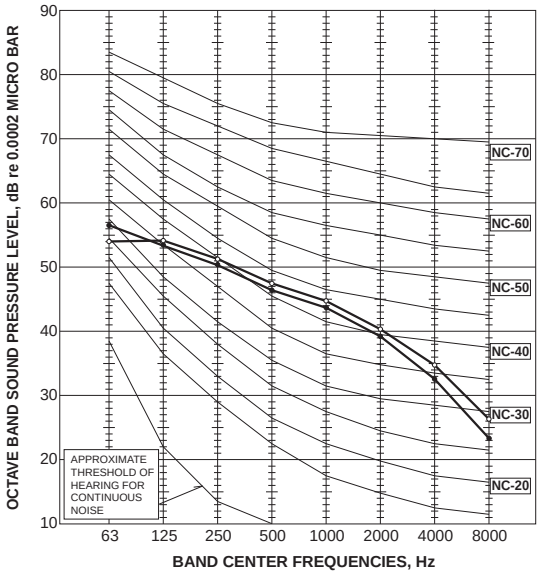


C.4.6 NOISE CRITERIA CURVES

C.4.6.1 Inverter Heat Pump

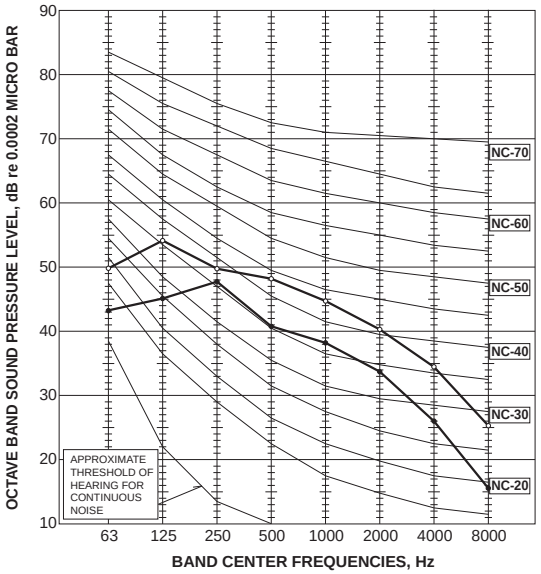
MXZ-2F33VF3

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	49	●—●
High	Heating	50	○—○



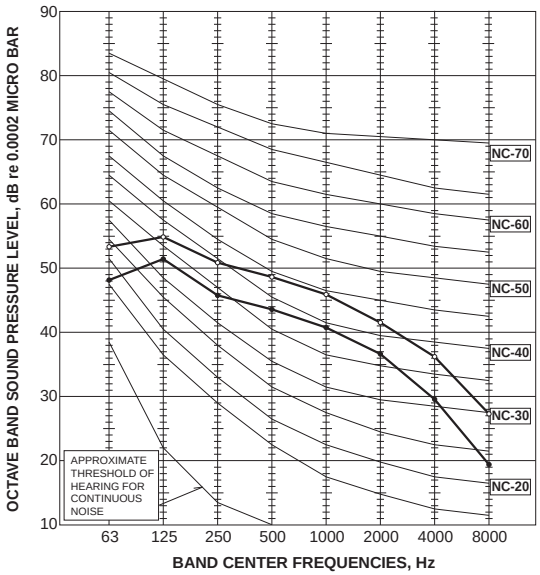
MXZ-2F42VF3

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	44	●—●
High	Heating	50	○—○



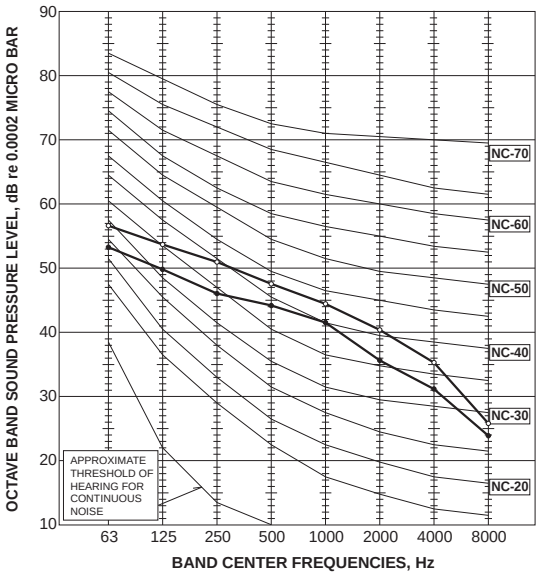
MXZ-2F53VF3
MXZ-2F53VFH3

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	46	●—●
High	Heating	51	○—○



MXZ-3F54VF3

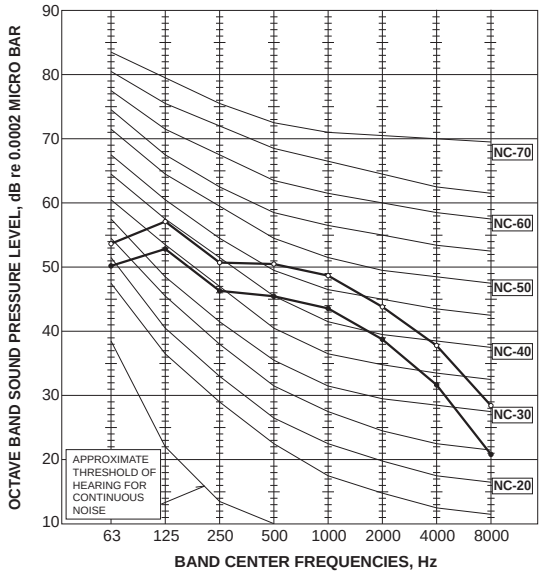
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	46	●—●
High	Heating	50	○—○



<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

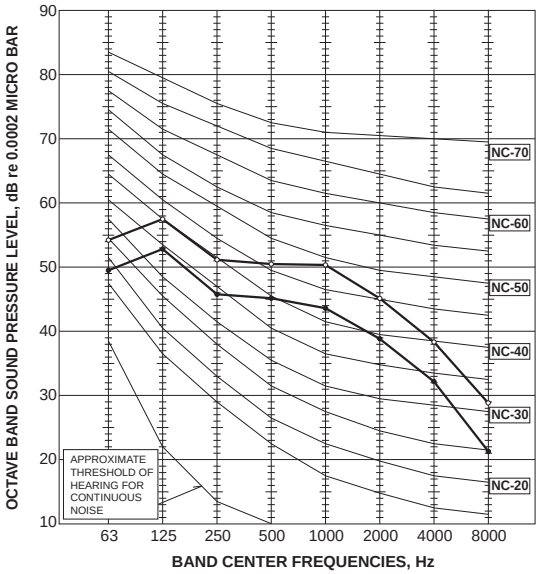
MXZ-3F68VF3

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	48	●—●
High	Heating	53	○—○



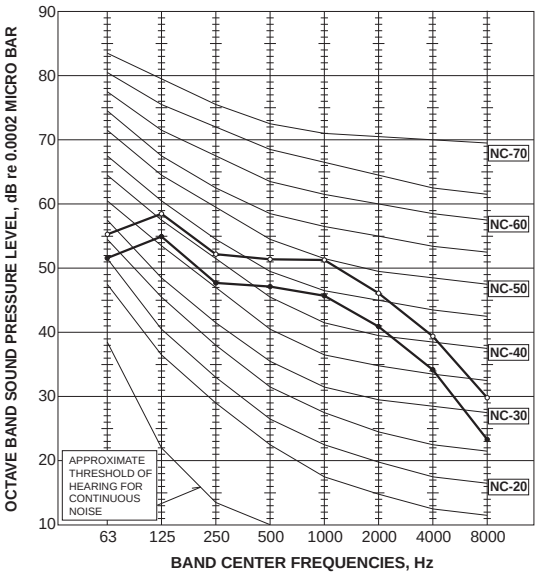
MXZ-4F72VF3

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	48	●—●
High	Heating	54	○—○



MXZ-4F80VF3

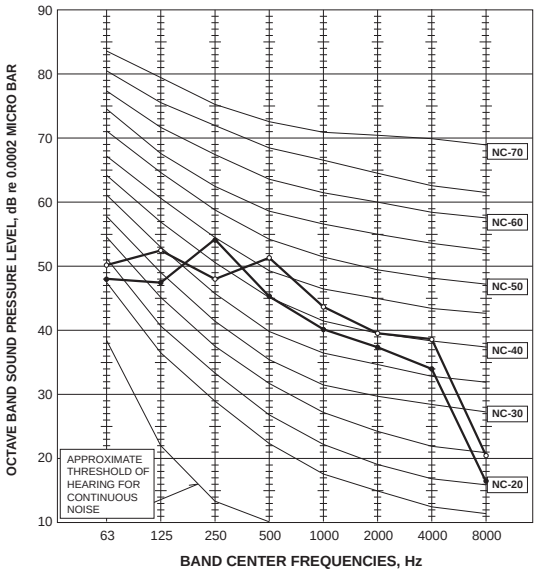
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	50	●—●
High	Heating	55	○—○



<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

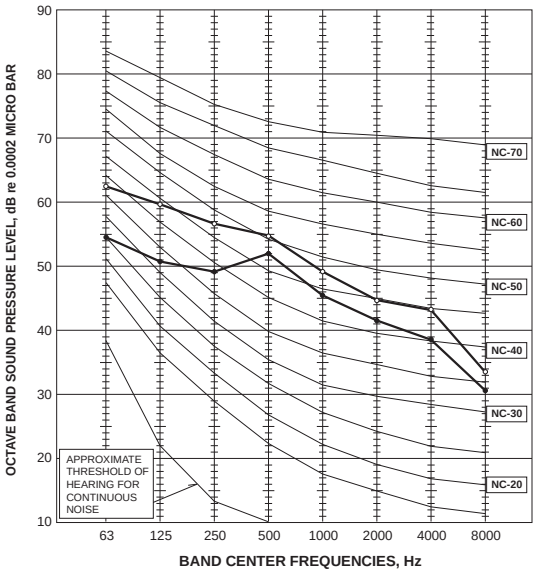
MXZ-4F83VF

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	49	●—●
High	Heating	51	○—○



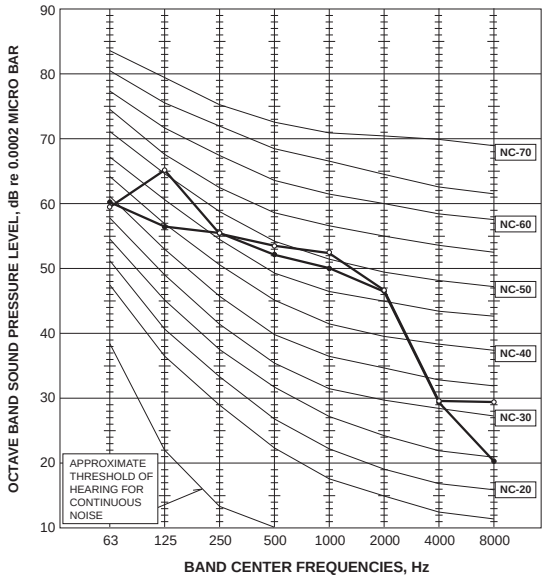
MXZ-5F102VF

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	52	●—●
High	Heating	56	○—○



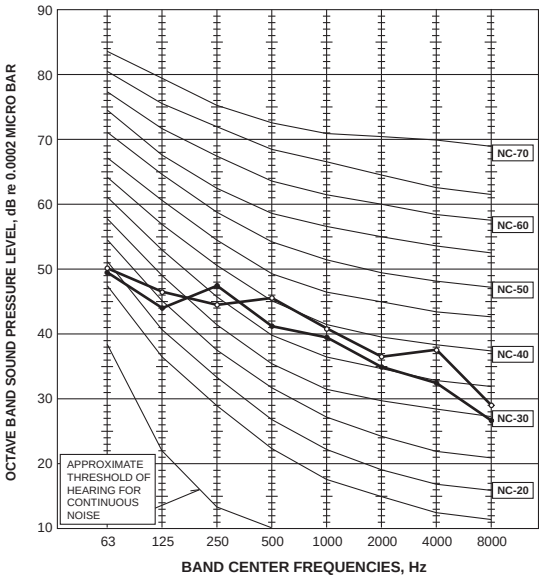
MXZ-6F122VF

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	55	●—●
High	Heating	57	○—○



MXZ-2F53VFHZ

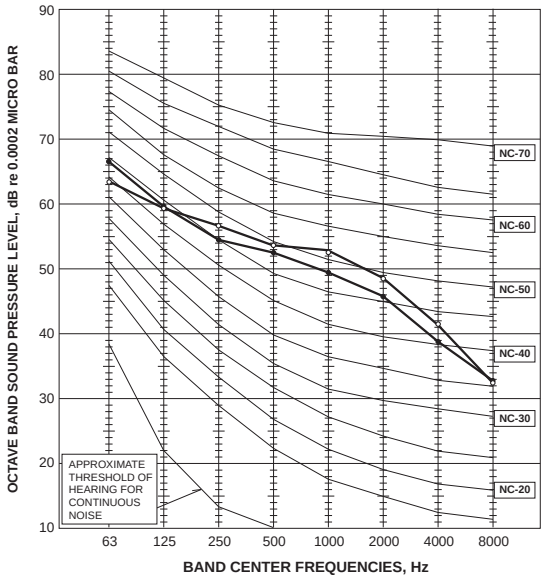
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	45	●—●
High	Heating	47	○—○



<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

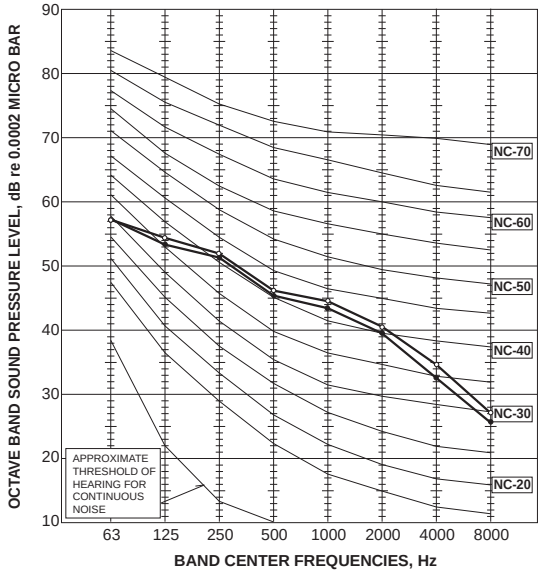
MXZ-4F83VFHZ

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	55	●—●
High	Heating	57	○—○



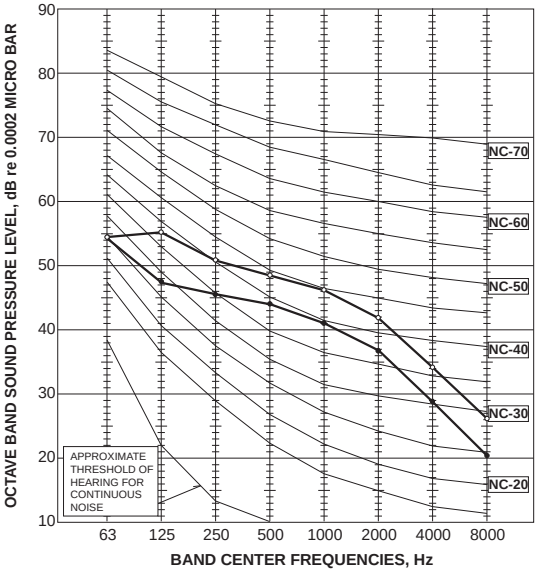
MXZ-2D33VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	49	●—●
High	Heating	50	○—○



MXZ-2D42VA2

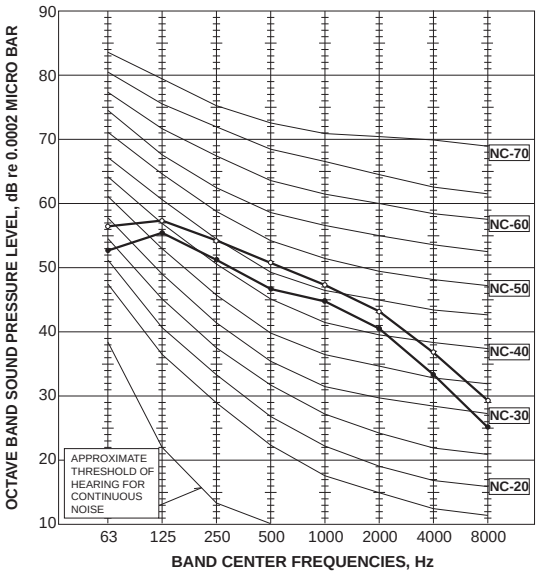
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	46	●—●
High	Heating	51	○—○



<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

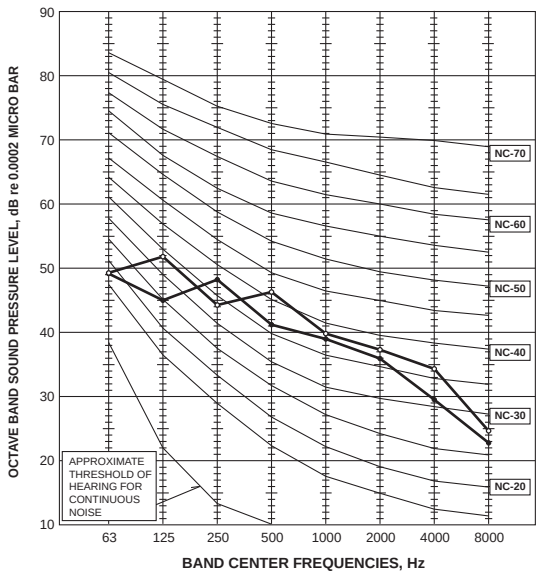
MXZ-2D53VA2
MXZ-2D53VAH2

FAN SPEED	FUNCTION	SPL($dB_{(A)}$)	LINE
High	Cooling	50	●—●
High	Heating	53	○—○



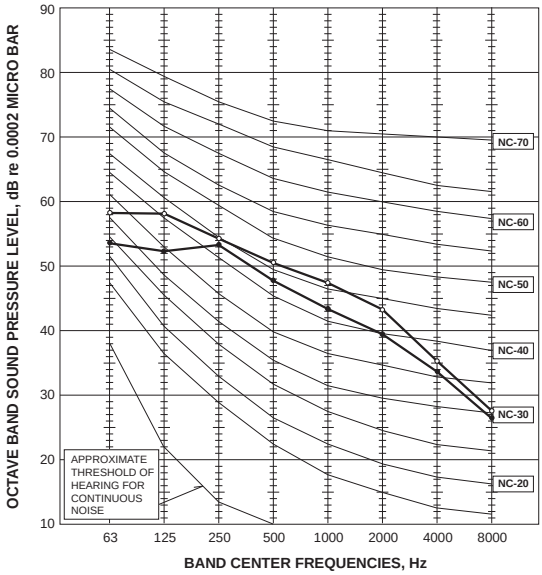
MXZ-2E53VAHZ

FAN SPEED	FUNCTION	SPL($dB_{(A)}$)	LINE
High	Cooling	45	●—●
High	Heating	47	○—○



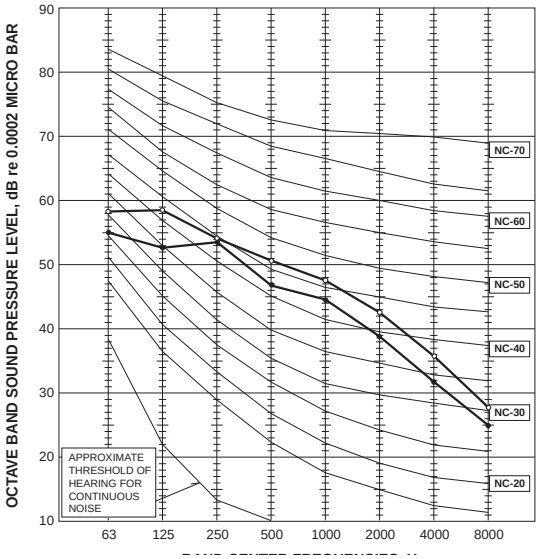
MXZ-3E54VA

FAN SPEED	FUNCTION	SPL($dB_{(A)}$)	LINE
High	Cooling	50	●—●
High	Heating	53	○—○



MXZ-3E68VA

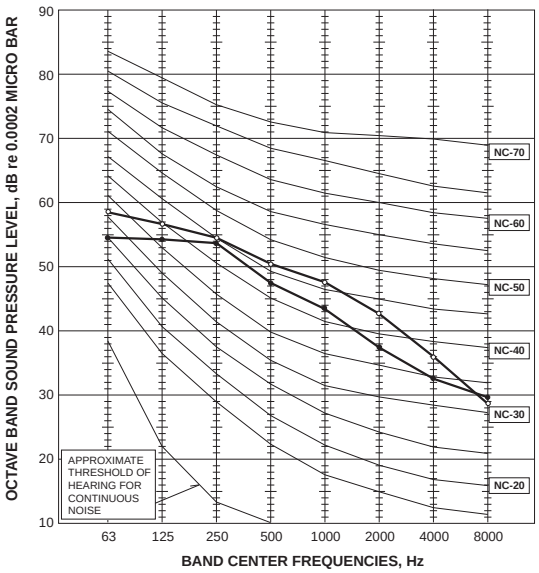
FAN SPEED	FUNCTION	SPL($dB_{(A)}$)	LINE
High	Cooling	50	●—●
High	Heating	53	○—○



<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

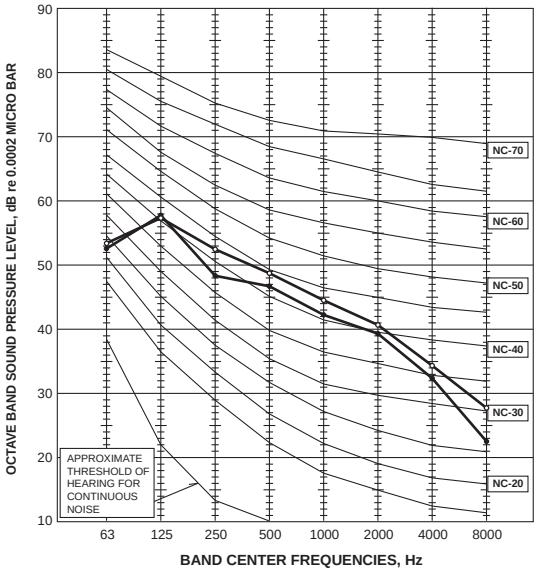
MXZ-4E72VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	50	●—●
High	Heating	53	○—○



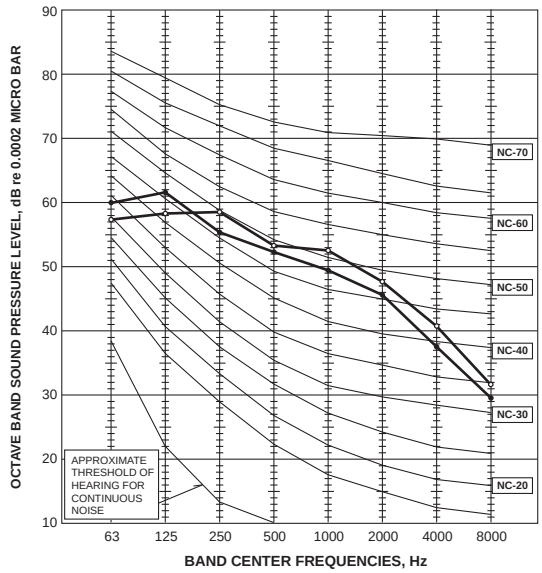
MXZ-4E83VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	49	●—●
High	Heating	51	○—○



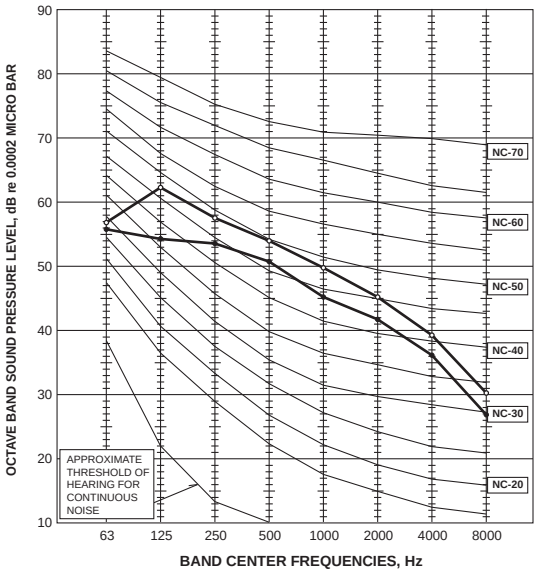
MXZ-4E83VAHZ

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	53	●—●
High	Heating	57	○—○



MXZ-5E102VA

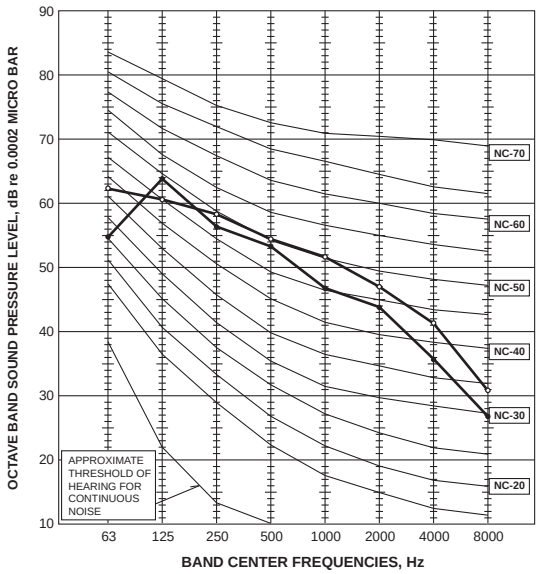
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	52	●—●
High	Heating	56	○—○



<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

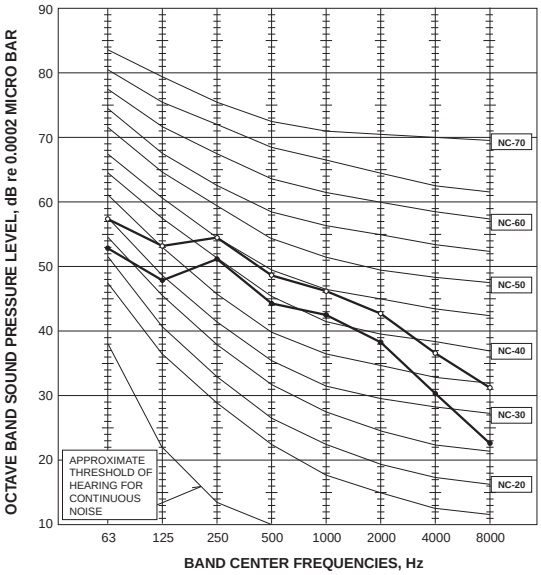
MXZ-6D122VA2

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	55	●—●
High	Heating	57	○—○



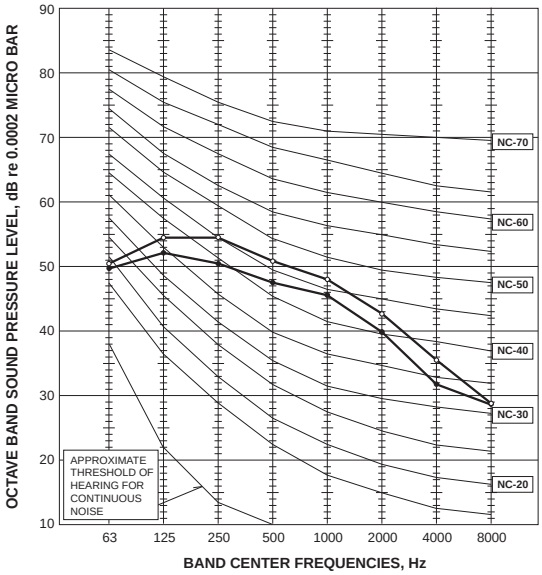
MXZ-2DM40VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	48	●—●
High	Heating	52	○—○



MXZ-3DM50VA

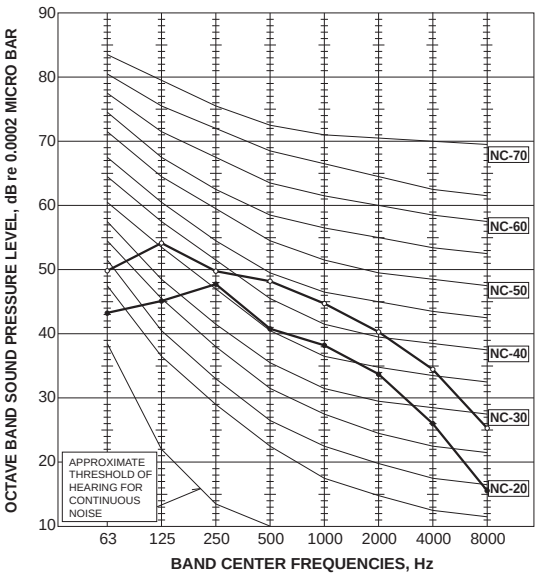
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	50	●—●
High	Heating	53	○—○



<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

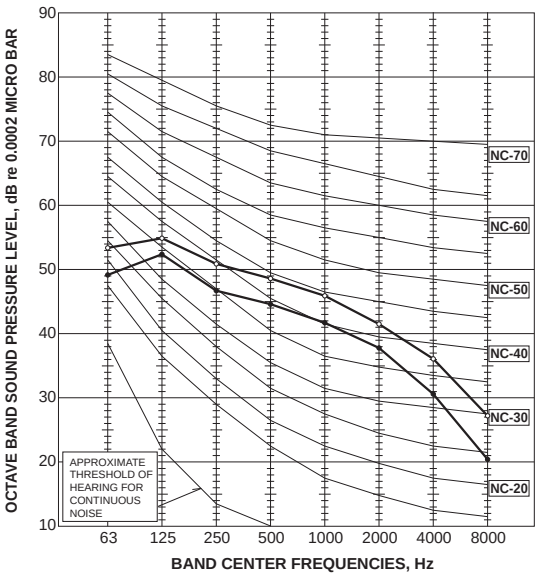
MXZ-2HA40VF

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	44	●—●
High	Heating	50	○—○



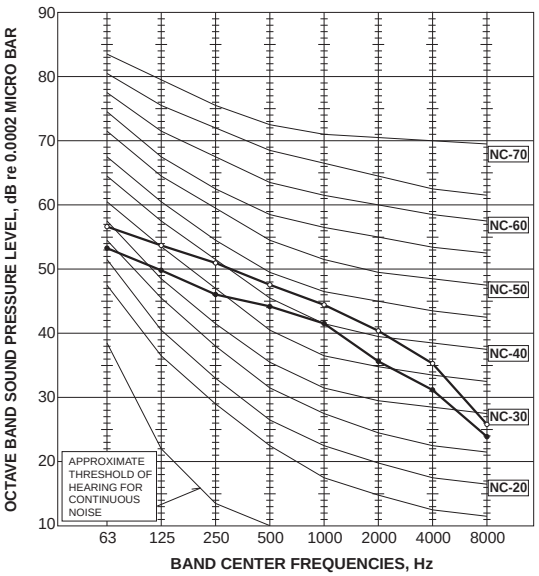
MXZ-2HA50VF

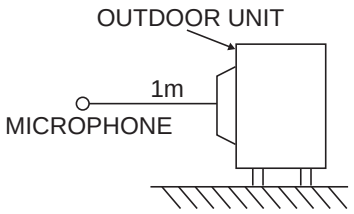
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	47	●—●
High	Heating	51	○—○



MXZ-3HA50VF

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	46	●—●
High	Heating	50	○—○





Test conditions
Cooling :Dry-bulb temperature 35°C Wet-bulb temperature 24°C
Heating :Dry-bulb temperature 7°C Wet-bulb temperature 6°C

<Notes>
1) Sound data is taken when the system is running stably.
2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.

C.4.7 ACTUATOR CONTROL

C.4.7.1 MXZ Series

Relation between main sensor and actuator

Sensor	Purpose	Actuator					
		Compressor	LEV	Outdoor fan motor	4-way valve	2-way solenoid valve *1	Defrost heater *2
Discharge temperature thermistor	Protection	○	○			○	
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○				○	
	Heating: High pressure protection	○	○				
Defrost thermistor	Heating: Defrosting	○	○	○	○		
Fin temperature thermistor	Protection	○		○			
Ambient temperature thermistor	Control/Protection	○	○	○		○	
	Heating: Defrosting (Heater)						○
Outdoor heat exchanger temperature thermistor	Cooling: Control/Protection	○	○	○		○	
Capacity code	Control	○	○				

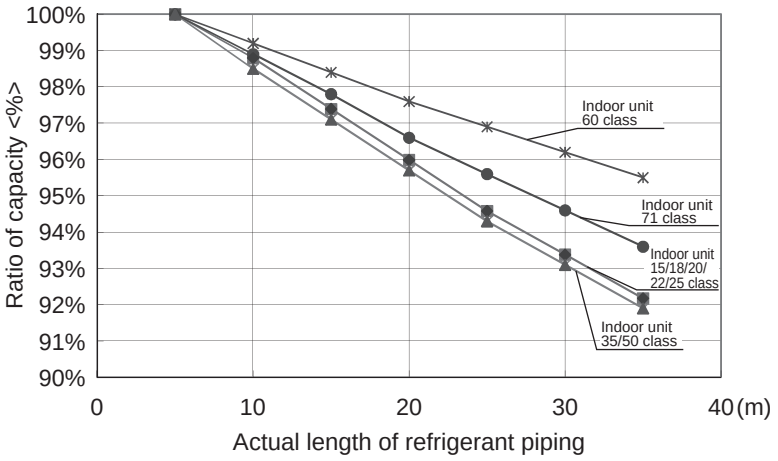
*1 **MXZ-6F122VF, MXZ-4F83VFHZ, MXZ-4E83VAHZ, MXZ-6D122VA2**

*2 **MXZ-2F53VFH3, MXZ-2D53VAH2**
MXZ-2F53VFHZ, MXZ-4F83VFHZ, MXZ-2E53VAHZ, MXZ-4E83VAHZ

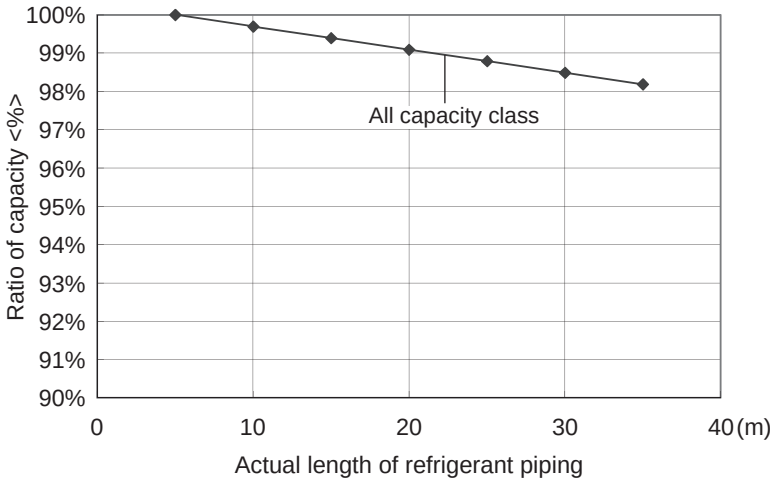
C.4.8 CAPACITY CORRECTION RATIO CURVE FOR PIPING LENGTH

C.4.8.1 for MXZ R410A model

Correction ratio of capacity according to the length of piping (cooling)



Correction ratio of capacity according to the length of piping (heating)



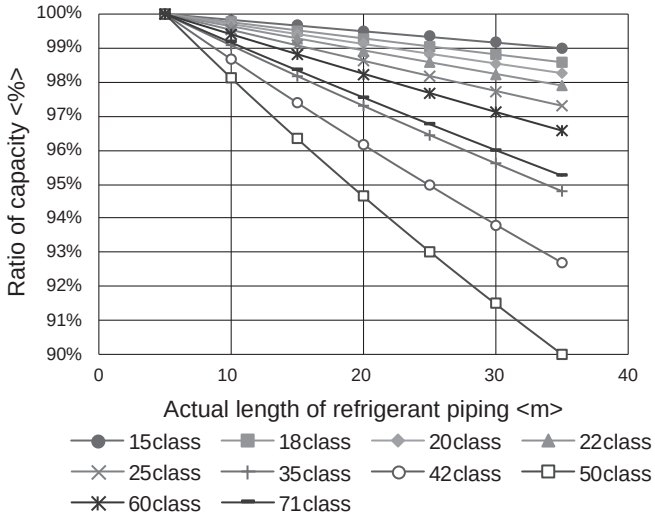
The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

[Length of refrigerant piping (m) + (Number of bends × 0.3 m) = Actual length of refrigerant piping (m)]

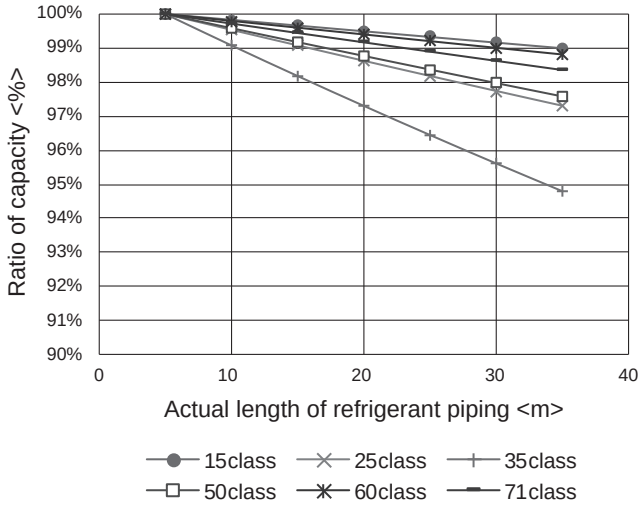
C.4.8.2 for MXZ R32 model

Correction ratio of capacity according to the length of piping (cooling)

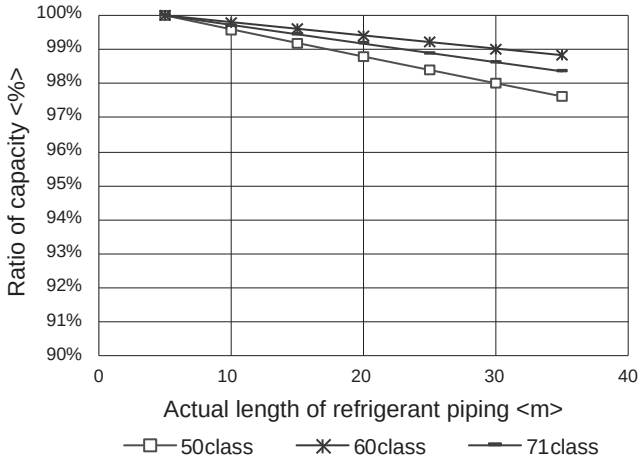
M series



S series

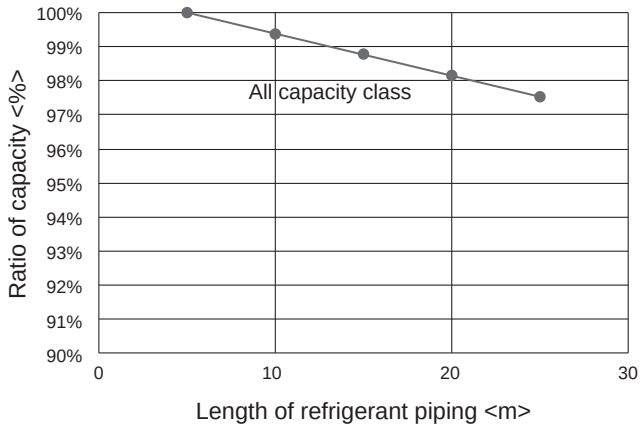


P series



The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.
[Length of refrigerant piping (m) + (Number of bends × 0.3 m) = Actual length of refrigerant piping (m)]

Correction ratio of capacity according to the length of piping (heating)



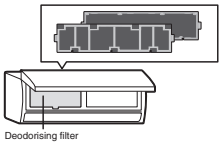
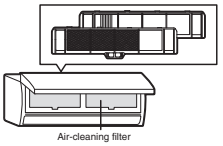
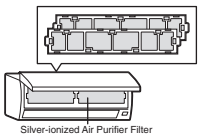
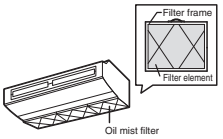
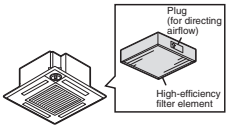
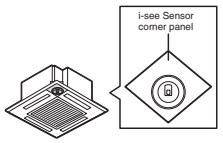
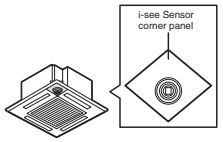
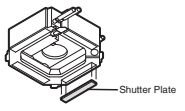
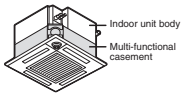
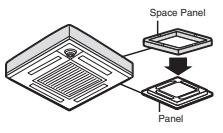
Optional Parts

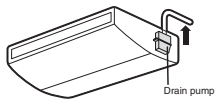
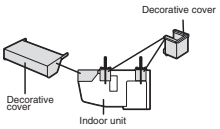
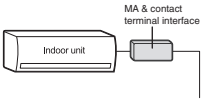
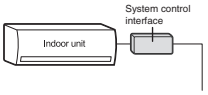
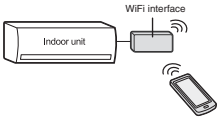
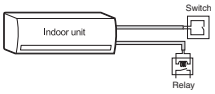
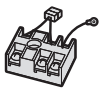
Model Name

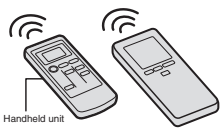
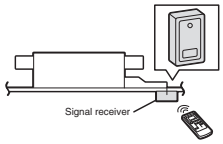
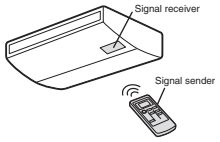
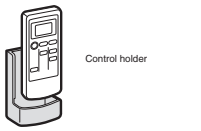
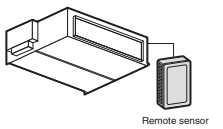
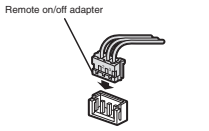
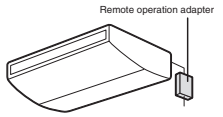
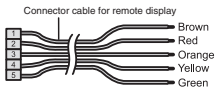
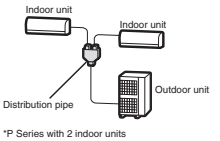
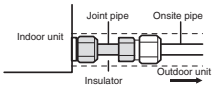
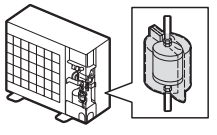
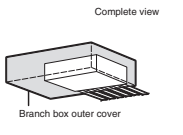
●Optional Parts for indoor unit

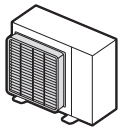
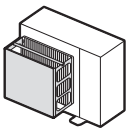
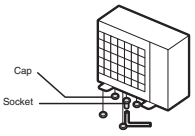
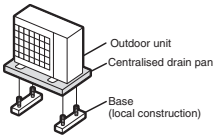
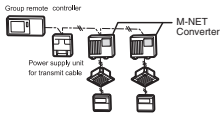
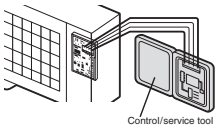
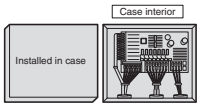
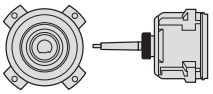
●Optional Parts for outdoor unit

Major Optional Parts

Part Name	Description
Deodorising Filter Captures small foul-smelling substances in the air.	
Air-cleaning Filter Removes fine dust particles from the air by means of static electricity.	
Silver-ionized Air Purifier Filter Captures the bacteria, pollen and other allergens in the air and neutralises them.	
Oil Mist Filter Element Filter element (12 pieces) that blocks the oil mist for ceiling-suspended models used in professional kitchens.	
High-efficiency Filter Element Element for high-efficiency filter. Removes fine dust particles from the air.	 *For 4-way cassette units (PLA)
3D i-see Sensor Corner Panel for SLZ Corner panel holding the 3D i-see Sensor.	
3D i-see Sensor Corner Panel for PLA Corner panel holding the 3D i-see Sensor.	
Shutter Plate Plate for blocking an air outlet of the 4-way cassette (PLA) indoor unit.	
Multi-functional Casement Casement for fresh-air intake and attaching the high-efficiency filter element (optional).	
Fresh-air Intake Duct Flange Flange attachment for adding a duct to take in fresh air from outside.	
Space Panel Decorative cover for the installation when the ceiling height is low.	

Part Name	Description
Drain Pump Pumps drain water to a point higher than that where the unit is installed.	 *for ceiling-suspended units
Decorative Cover To be attached to the upper section of ceiling-suspended models for professional kitchen use. Helps prevent dust accumulation.	
MA & Contact Terminal Interface Interface for connecting with the PAR-40MAA remote controller and PAC-YT52CRA, PAC-CT01MAA-PB/SB, and to relay operation signals.	
System Control Interface Interface to connect with M-NET controllers.	
Wi-Fi Interface Interface enabling users to control air conditioners and check operating status via devices such as personal computers, tablets and smartphones.	
Connector Cable This product is an adaptor which inputs the incoming signals from an open/close switch to the air conditioner and outputs the on/off signals from the air conditioner to the back-up heater.	
Power Supply Terminal Kit Terminal bed to change the power supply from outdoor power supply to separate indoor/outdoor power supplies.	
Wired Remote Controller Advanced deluxe remote controller with full-dot liquid-crystal display and backlight. Equipped with convenient functions like night-setback.	
MA Touch Remote Controller Remote controller with the full color touch display. Smartphone/Tublet App is available for setting, customize and control.	
Simple Wired Remote Controller Remote controller with liquid-crystal display, and backlight function for operation in dark location.	
Remote Controller Terminal Block Kit for PKA The terminal block is used as a relay to wire an indoor unit and to two remote controllers or to wire a remote controller and multiple indoor units in order to perform group control.	

Part Name	Description
Wireless Remote Controller Signal Sender Handheld unit for sending operation signals to the indoor unit.	
Wireless Remote Controller Signal Receiver Receives operation signals from the wireless remote controller handheld unit.	
Wireless Remote Controller Kit (Sender & Receiver) Remote controller handheld unit (signal sender) and receiver (signal receiver) for ceiling-suspended units.	
Control Holder Holder for storing the remote controller.	
Remote Sensor Sensor to detect the room temperature at remote positions.	
Remote On/Off Adapter Connector for receiving signals from the local system to control the on/off function.	
Remote Operation Adapter Adapter to display the operation status and control on/off function from a distance.	
Connector Cable for Remote Display Connector used to display the operation status and control on/off function from a distance.	
Distribution Pipe Branch pipe for P Series simultaneous multi-system use, or to connect two branch boxes for PUMY.	
Joint Pipe Part for connecting refrigerant pipes of different diametres.	
Liquid Refrigerant Dryer Removes water and minute particles from refrigerant pipes.	
Branch Box Outer Cover Casement for branch boxes.	

Part Name	Description
Air Discharge Guide Changes the direction of air being exhausted from the outdoor unit.	
Air Protection Guide Protects the outdoor unit from the wind.	
Drain Socket A set of caps to cover unnecessary holes at the bottom of the outdoor unit, and a socket to guide drain water to the local drain pipe.	
Centralised Drain Pan Catches drain water generated by the outdoor unit.	
M-NET Converter Used to connect P Series A-control models to M-NET controllers.	
Control/Service Tool Monitoring tool to display operation and self-diagnosis data.	
Step Interface Interface for adjusting the capacity of inverter-equipped outdoor units.	
High-static Fan Motor Static pressure enhanced up to +30pa.	

Optional Parts List <Indoor>

Indoor Unit		Option	Filter						Plasma Quad Connect	Softdry cloth	System Control Interface	MA & Contract Terminal Interface	Wi-Fi Interface	Connector Cable		Wired Remote Controller				
			Silver-ionized Air Purifier Filter				Deodorising Filter									Controller			Controller Holder	
			MAC-2360 FT	MAC-2370 FT	MAC-2380 FT	MAC-2390 FT	MAC-3000 FT-E	MAC-3010 FT-E	MAC-100 FT-E	MAC-1001 CL-E	MAC-334IF-E	MAC-397IF-E	MAC-567IF-E	MAC-1702 RA-E	MAC-1710 RA-E	PAR-40MAA	PAR-CT01MAA	PAC-YT52CRA	MAC-1200 RC-E	MAC-1300 RC-E
M SERIES	Wall - mounted	MSZ-LN18VG2(W)(V)(R)(B)				●		●		●	●	●		●	●	●*1	●*1	●*1		●*2
		MSZ-LN25VG2(W)(V)(R)(B)				●		●		●	●	●		●	●	●*1	●*1	●*1		●*2
		MSZ-LN35VG2(W)(V)(R)(B)				●		●		●	●	●		●	●	●*1	●*1	●*1		●*2
		MSZ-LN50VG2(W)(V)(R)(B)				●		●		●	●	●		●	●	●*1	●*1	●*1		●*2
		MSZ-LN60VG2(W)(V)(R)(B)				●		●		●	●	●		●	●	●*1	●*1	●*1		●*2
		MSZ-FT25VG		●					●		●	●	●*3	●	●	●*1	●*1	●*1		●
		MSZ-FT35VG		●					●		●	●	●*3	●	●	●*1	●*1	●*1		●
		MSZ-FT50VG		●					●		●	●	●*3	●	●	●*1	●*1	●*1		●
		MSZ-AP15VG							●		●	●	●*3	●	●	●*1	●*1	●*1		●
		MSZ-AP20VG							●		●	●	●*3	●	●	●*1	●*1	●*1		●
		MSZ-AP25VG		●					●		●	●	●	●	●	●*1	●*1	●*1		●
		MSZ-AP35VG		●					●		●	●	●	●	●	●*1	●*1	●*1		●
		MSZ-AP42VG		●					●		●	●	●	●	●	●*1	●*1	●*1		●
		MSZ-AP50VG		●					●		●	●	●	●	●	●*1	●*1	●*1		●
		MSZ-AP60VG	●						●		●	●	●	●	●	●*1	●*1	●*1		●
		MSZ-AP71VG	●						●		●	●	●	●	●	●*1	●*1	●*1		●
		MSZ-EF18VG(W)(B)(S)		●					●	●	●	●	●*3	●	●	●*1	●*1	●*1		●
		MSZ-EF22VG(W)(B)(S)		●					●	●	●	●	●*3	●	●	●*1	●*1	●*1		●
		MSZ-EF25VG(W)(B)(S)		●					●	●	●	●	●*3	●	●	●*1	●*1	●*1		●
		MSZ-EF35VG(W)(B)(S)		●					●	●	●	●	●*3	●	●	●*1	●*1	●*1		●
		MSZ-EF42VG(W)(B)(S)		●					●	●	●	●	●*3	●	●	●*1	●*1	●*1		●
		MSZ-EF50VG(W)(B)(S)		●					●	●	●	●	●*3	●	●	●*1	●*1	●*1		●
		MSZ-BT20VG		●					●		●	●	●*3	●	●	●*1	●*1	●*1		
		MSZ-BT25VG		●					●		●	●	●*3	●	●	●*1	●*1	●*1		
		MSZ-BT35VG		●					●		●	●	●*3	●	●	●*1	●*1	●*1		
		MSZ-BT50VG		●					●		●	●	●*3	●	●	●*1	●*1	●*1		
		MSZ-HR25VF		●					●		●	●	●	●	●	●	●	●	●	
		MSZ-HR35VF		●					●		●	●	●	●	●	●	●	●	●	
		MSZ-HR42VF		●					●		●	●	●	●	●	●	●	●	●	
		MSZ-HR50VF		●					●		●	●	●	●	●	●	●	●	●	
		MSZ-HR60VF		●					●		●	●	●	●	●	●*1	●*1	●*1	●	
		MSZ-HR71VF		●					●		●	●	●	●	●	●*1	●*1	●*1	●	
		MSY-TP35VF		●					●		●	●	●	●	●	●	●	●		
		MSY-TP50VF		●					●		●	●	●	●	●	●	●	●		
		MSZ-FH25VE2			●		●				●	●	●	●	●	●*1	●*1	●*1		●
		MSZ-FH35VE2			●		●				●	●	●	●	●	●*1	●*1	●*1		●
		MSZ-FH50VE2			●		●				●	●	●	●	●	●*1	●*1	●*1		●
		MSZ-SF15VA							●		●	●	●			●*1	●*1	●*1		●
		MSZ-SF20VA							●		●	●	●			●*1	●*1	●*1		●
		MSZ-SF25VE3		●					●		●	●	●			●*1	●*1	●*1		●
		MSZ-SF35VE3		●					●		●	●	●			●*1	●*1	●*1		●
		MSZ-SF42VE3		●					●		●	●	●			●*1	●*1	●*1		●
		MSZ-SF50VE3		●					●		●	●	●			●*1	●*1	●*1		●
		MSZ-GF60VE2	●						●		●	●	●			●*1	●*1	●*1		●
		MSZ-GF71VE2	●						●		●	●	●			●*1	●*1	●*1		●
		MSZ-WN25VA		●					●		●	●	●	●	●	●	●	●		●
		MSZ-WN35VA		●					●		●	●	●	●	●	●	●	●		●
		MSZ-DM25VA		●					●		●	●	●	●	●	●*1	●*1	●*1	●	
		MSZ-DM35VA		●					●		●	●	●	●	●	●*1	●*1	●*1	●	
		MSZ-HJ25VA		●										●	●				●	
		MSZ-HJ35VA		●										●	●				●	
		MSZ-HJ50VA		●										●	●				●	
		MSZ-HJ60VA		●										●	●				●	
		MSZ-HJ71VA		●										●	●				●	
	Floor - standing	MFZ-KJ25VE2		●							●	●	●	●	●	●*1	●*1	●*1		●
		MFZ-KJ35VE2		●							●	●	●	●	●	●*1	●*1	●*1		●
		MFZ-KJ50VE2		●							●	●	●	●	●	●*1	●*1	●*1		●
		MFZ-KT25VG		●							●	●	●	●	●	●*1	●*1	●*1		●
		MFZ-KT35VG		●							●	●	●	●	●	●*1	●*1	●*1		●
		MFZ-KT50VG		●							●	●	●	●	●	●*1	●*1	●*1		●
		MFZ-KT60VG		●							●	●	●	●	●	●*1	●*1	●*1		●
	1-way cassette	MLZ-KP25VF		●							●	●	●	●	●	●*1	●*1	●*1		●
		MLZ-KP35VF		●							●	●	●	●	●	●*1	●*1	●*1		●
		MLZ-KP50VF		●							●	●	●	●	●	●*1	●*1	●*1		●

*1 MAC-334IF-E or MAC-397IF-E is required. When using MAC-397IF-E with PAR-40MAA, brightness needs to be set as low.
*2 Available only for LN18/25/35/50/60VG2W.
*3 Outside attachment only.

		Option	Filter											3D i-see Sensor Corner Panel		Shutter Plate	Plasma Quad Connect		Multi-functional Casement	Fresh-air Intake Duct Flange		Space Panel	Drain Pump						
			Oil Mist Filter Element	Long Life Filter	High-efficiency Filter Element				Filter Box																				
		Indoor Unit	PAC-SG38KF-E	PAC-KE85LAF	PAC-SH59KF-E	PAC-SH88KF-E	PAC-SH89KF-E	PAC-SH90KF-E	PAC-KE92TB-E	PAC-KE93TB-E	PAC-KE94TB-E	PAC-KE95TB-E	PAC-KE250TB-F	PAC-SF1ME-E	PAC-SE1ME-E	PAC-SJ37SP-E	MAC-100FT-E	PAC-SK51FT-E	PAC-SJ41TM-E	PAC-SH65OF-E	PAC-SF28OF-E	PAC-SJ65AS-E	PAC-SH94DM-E	PAC-SK01DM-E	PAC-SJ92DM-E	PAC-SJ93DM-E	PAC-SJ94DM-E	PAC-KE07DM-E	PAC-KE06DM-FI
S SERIES	4-way cassette	SLZ-M15FA												●															
		SLZ-M25FA												●															
		SLZ-M35FA												●															
		SLZ-M50FA												●															
		SLZ-M60FA												●															
	Ceiling - concealed	SEZ-M25DA(L)																									●		
		SEZ-M35DA(L)																									●		
		SEZ-M50DA(L)																									●		
		SEZ-M60DA(L)																									●		
		SEZ-M71DA(L)																									●		
		SFZ-M25VA																											
		SFZ-M35VA																											
		SFZ-M50VA																											
		SFZ-M60VA																											
		SFZ-M71VA																											
P SERIES	4-way Cassette	PLA-ZM35EA			●										●	●		●	●	●		●							
		PLA-ZM50EA			●										●	●		●	●	●		●							
		PLA-ZM60EA			●										●	●		●	●	●		●							
		PLA-ZM71EA			●										●	●		●	●	●		●							
		PLA-ZM100EA			●										●	●		●	●	●		●							
		PLA-ZM125EA			●										●	●		●	●	●		●							
		PLA-ZM140EA			●										●	●		●	●	●		●							
		PLA-M35EA			●										●	●		●	●	●		●							
		PLA-M50EA			●										●	●		●	●	●		●							
		PLA-M60EA			●										●	●		●	●	●		●							
		PLA-M71EA			●										●	●		●	●	●		●							
		PLA-M100EA			●										●	●		●	●	●		●							
		PLA-M125EA			●										●	●		●	●	●		●							
		PLA-M140EA			●										●	●		●	●	●		●							
	Ceiling - concealed	PEAD-M35JA(L)							●																				
		PEAD-M50JA(L)							●																				
		PEAD-M60JA(L)								●																			
		PEAD-M71JA(L)								●																			
		PEAD-M100JA(L)									●																		
		PEAD-M125JA(L)									●																		
		PEAD-M140JA(L)										●																	
		PEA-M200LA		●									●																●
		PEA-M250LA		●									●																●
	Wall - mounted	PKA-M35LA(L)															●							●					
		PKA-M50LA(L)															●							●					
		PKA-M60KA(L)															●						●						
		PKA-M71KA(L)															●						●						
		PKA-M100KA(L)															●						●						
	Ceiling - suspended	PCA-M35KA				●																			●				
		PCA-M50KA				●																			●				
		PCA-M60KA					●																				●		
		PCA-M71KA					●																			●			
		PCA-M100KA						●																		●			
		PCA-M125KA						●																		●			
		PCA-M140KA						●																		●			
		PCA-M71HA	●																		●								
	Floor - standing	PSA-RP71KA																											
		PSA-RP100KA																											
		PSA-RP125KA																											
		PSA-RP140KA																											

*1 P Series indoor units can be used in combination with SUZ or MXZ outdoor units.
*2 Unable to use with wireless remote controller.
*3 PAC-SH29TC-E is required for wireless model.
*4 Group control cannot be used.

Indoor Unit		Option	Decorative Cover		System Control Interface	MA & Contact Terminal Interface	Wi-Fi Interface	Power Supply Terminal Kit					Wired Remote Controller				Wireless Remote Controller						Remote Sensor	Remote On/Off Adapter	Remote Operation Adapter	Connector Cable for Remote Display
													Controller			Terminal Block kit for PKA	Signal Sender		Signal Receiver			Controller Kit (Sender & Receiver)				
			PAC-SF81KC-E	PAC-SF82KC-E	MAC-334IF-E	MAC-397IF-E	MAC-567IF-E	PAC-SK38HR-E	PAC-SG94HR-E	PAC-SG96HR-E	PAC-SG97HR-E	PAC-SJ39HR-E	PAR-40MAA	PAR-CT01MAA	PAC-YT52CRA	PAC-SH29TC-E	PAR-SL97A-E	PAR-SL100A-E	PAR-SA9CA-E	PAR-SF9FA	PAR-SE9FA-E	PAR-SL94B-E	PAC-SE41TS-E	PAC-SE55RA-E	PAC-SF40RM-E	PAC-SA88HA-E
S SERIES	4-way cassette	SLZ-M15FA			●	●	●						●	●	●		●	●*4		●			●	●	●*2	●
		SLZ-M25FA			●	●	●						●	●	●		●	●*4		●			●	●	●*2	●
		SLZ-M35FA			●	●	●						●	●	●		●	●*4		●			●	●	●*2	●
		SLZ-M50FA			●	●	●						●	●	●		●	●*4		●			●	●	●*2	●
		SLZ-M60FA			●	●	●						●	●	●		●	●*4		●			●	●	●*2	●
	Ceiling - concealed	SEZ-M25DA(L)			●	●	●						DA	DA	DA		●		●				●	●	●*2	●
		SEZ-M35DA(L)			●	●	●						DA	DA	DA		●		●				●	●	●*2	●
		SEZ-M50DA(L)			●	●	●						DA	DA	DA		●		●				●	●	●*2	●
		SEZ-M60DA(L)			●	●	●						DA	DA	DA		●		●				●	●	●*2	●
		SEZ-M71DA(L)			●	●	●						DA	DA	DA		●		●				●	●	●*2	●
		SFZ-M25VA			●	●	●						●	●	●		●		●				●	●	●*2	●
		SFZ-M35VA			●	●	●						●	●	●		●		●				●	●	●*2	●
		SFZ-M50VA			●	●	●						●	●	●		●		●				●	●	●*2	●
		SFZ-M60VA			●	●	●						●	●	●		●		●				●	●	●*2	●
		SFZ-M71VA			●	●	●						●	●	●		●		●				●	●	●*2	●
P SERIES	4-way Cassette	PLA-ZM35EA			●*1	●*1	●					●	●	●	●		●	●*4			●		●	●	●*2	●
		PLA-ZM50EA			●*1	●*1	●					●	●	●	●		●	●*4			●		●	●	●*2	●
		PLA-ZM60EA			●*1	●*1	●					●	●	●	●		●	●*4			●		●	●	●*2	●
		PLA-ZM71EA			●*1	●*1	●					●	●	●	●		●	●*4			●		●	●	●*2	●
		PLA-ZM100EA			●*1	●*1	●					●	●	●	●		●	●*4			●		●	●	●*2	●
		PLA-ZM125EA			●*1	●*1	●					●	●	●	●		●	●*4			●		●	●	●*2	●
		PLA-ZM140EA			●*1	●*1	●					●	●	●	●		●	●*4			●		●	●	●*2	●
		PLA-M35EA			●*1	●*1	●					●	●	●	●		●	●*4			●		●	●	●*2	●
		PLA-M50EA			●*1	●*1	●					●	●	●	●		●	●*4			●		●	●	●*2	●
		PLA-M60EA			●*1	●*1	●					●	●	●	●		●	●*4			●		●	●	●*2	●
		PLA-M71EA			●*1	●*1	●					●	●	●	●		●	●*4			●		●	●	●*2	●
		PLA-M100EA			●*1	●*1	●					●	●	●	●		●	●*4			●		●	●	●*2	●
		PLA-M125EA			●	●	●					●	●	●	●		●	●*4			●		●	●	●*2	●
		PLA-M140EA			●	●	●					●	●	●	●		●	●*4			●		●	●	●*2	●
	Ceiling - concealed	PEAD-M35JA(L)			●*1	●*1	●				●		●	●	●		●		●				●	●	●*2	●
		PEAD-M50JA(L)			●*1	●*1	●				●		●	●	●		●		●				●	●	●*2	●
		PEAD-M60JA(L)			●*1	●*1	●				●		●	●	●		●		●				●	●	●*2	●
		PEAD-M71JA(L)			●*1	●*1	●				●		●	●	●		●		●				●	●	●*2	●
		PEAD-M100JA(L)			●*1	●*1	●				●		●	●	●		●		●				●	●	●*2	●
		PEAD-M125JA(L)			●*1	●*1	●				●		●	●	●		●		●				●	●	●*2	●
		PEAD-M140JA(L)			●*1	●*1	●				●		●	●	●		●		●				●	●	●*2	●
		PEA-M200LA			●*1	●*1	●						●	●	●		●		●				●	●	●*2	●
		PEA-M250LA			●*1	●*1	●						●	●	●		●		●				●	●	●*2	●
	Wall - mounted	PKA-M35LA(L)			●*1	●*1	●	●					●*3	●*3	●*3	●	●	●					●	●	●*3	●
		PKA-M50LA(L)			●*1	●*1	●						●*3	●*3	●*3	●	●	●					●	●	●*2	●
		PKA-M60KA(L)			●*1	●*1	●		●				●*3	●*3	●*3	●	●						●	●		●
		PKA-M71KA(L)			●*1	●*1	●		●				●*3	●*3	●*3	●	●						●	●		●
		PKA-M100KA(L)			●*1	●*1	●		●				●*3	●*3	●*3	●	●						●	●		●
	Ceiling - suspended	PCA-M35KA			●*1	●*1	●			●			●	●	●		●					●	●	●	●*2	●
		PCA-M50KA			●*1	●*1	●			●			●	●	●		●					●	●	●	●*2	●
		PCA-M60KA			●*1	●*1	●			●			●	●	●		●					●	●	●	●*2	●
		PCA-M71KA			●*1	●*1	●			●			●	●	●		●					●	●	●	●*2	●
		PCA-M100KA					●			●			●	●	●		●					●	●	●	●*2	●
		PCA-M125KA					●			●			●	●	●		●					●	●	●	●*2	●
		PCA-M140KA					●			●			●	●	●		●					●	●	●	●*2	●
		PCA-M71HA									●		●	●	●		●						●	●	●*2	●
	Floor - standing	PSA-RP71KA					●			●													●	●	●*2	●
		PSA-RP100KA					●			●													●	●	●*2	●
		PSA-RP125KA					●			●													●	●	●*2	●
		PSA-RP140KA					●			●													●	●	●*2	●

*1 P Series indoor units can be used in combination with SUZ or MXZ outdoor units.
*2 Unable to use with wireless remote controller.
*3 PAC-SH29TC-E is required for wireless model.
*4 Group control cannot be used.

Optional Parts List <Outdoor>

Outdoor Unit			Option: Distribution Pipe: For Twin (50:50)		Distribution Pipe: For Triple (33:33:33)		Distribution Pipe: For Quadruple (25:25:25:25)		Joint Pipe: Unit ø6.35 --> Pipe ø9.52	Joint Pipe: Unit ø9.52 --> Pipe ø12.7	Joint Pipe: Unit ø15.88 --> Pipe ø19.05	Joint Pipe: Unit ø9.52 --> Pipe ø15.88	Joint Pipe: Unit ø6.35 --> Pipe ø9.52	Joint Pipe: Unit ø9.52 --> Pipe ø12.7	Joint Pipe: Unit ø12.7 --> Pipe ø9.52	Joint Pipe: Unit ø12.7 --> Pipe ø15.88	Liquid Refrigerant Dryer: For pipe ø6.35	Liquid Refrigerant Dryer: For pipe ø9.52	Liquid Refrigerant Dryer: For pipe ø12.7
												Flare							
			MSDD-50TR-E	MSDD-50WR-E	MSDT-111R-E	MSDT-111R3-E	MSDF-111R-E	MSDF-111R2-E	PAC-SG72RJ-E	PAC-SG73RJ-E	PAC-SG75RJ-E	PAC-SG76RJ-E	PAC-493PI	MAC-A454JP-E	MAC-A455JP-E	MAC-A456JP-E	PAC-SG81DR-E	PAC-SG82DR-E	PAC-SG85DR-E
M SERIES	L Series	MUZ-LN25VG																	
		MUZ-LN25VGHZ																	
		MUZ-LN35VG																	
		MUZ-LN35VGHZ																	
		MUZ-LN50VG																	
		MUZ-LN50VGHZ																	
		MUZ-LN60VG																	
	FT Series	MUZ-FT25VGHZ																	
		MUZ-FT35VGHZ																	
		MUZ-FT50VGHZ																	
	A Series	MUZ-AP15VG																	
		MUZ-AP20VG																	
		MUZ-AP25VG																	
		MUZ-AP25VGH																	
		MUZ-AP35VG																	
		MUZ-AP35VGH																	
		MUZ-AP42VG																	
		MUZ-AP42VGH																	
		MUZ-AP50VG																	
		MUZ-AP50VGH																	
		MUZ-AP60VG																	
		MUZ-AP71VG																	
	E Series	MUZ-EF25VG																	
		MUZ-EF25VGH																	
		MUZ-EF35VG																	
		MUZ-EF35VGH																	
		MUZ-EF42VG																	
		MUZ-EF50VG																	
	BT Series	MUZ-BT20VG																	
		MUZ-BT25VG																	
		MUZ-BT35VG																	
		MUZ-BT50VG																	
	HR Series	MUZ-HR25VF																	
		MUZ-HR35VF																	
		MUZ-HR42VF																	
		MUZ-HR50VF																	
		MUZ-HR60VF																	
		MUZ-HR71VF																	
	TP Series	MUY-TP35VF																	
		MUY-TP50VF																	
	F Series	MUZ-FH25VE																	
		MUZ-FH25VEHZ																	
		MUZ-FH35VE																	
		MUZ-FH35VEHZ																	
		MUZ-FH50VE																	
		MUZ-FH50VEHZ																	
	S Series	MUZ-SF25VE																	
		MUZ-SF25VEH																	
		MUZ-SF35VE																	
		MUZ-SF35VEH																	
		MUZ-SF42VE																	
		MUZ-SF42VEH																	
		MUZ-SF50VE																	
		MUZ-SF50VEH																	
	G Series	MUZ-GF60VE																	
		MUZ-GF71VE																	
	W Series	MUZ-WN25VA																	
		MUZ-WN35VA																	
	D Series	MUZ-DM25VA																	
		MUZ-DM35VA																	
	H Series	MUZ-HJ25VA																	
		MUZ-HJ35VA																	
		MUZ-HJ50VA																	
		MUZ-HJ60VA																	
		MUZ-HJ71VA																	
	Compact floor	MUFZ-KJ25VE																	
		MUFZ-KJ25VEHZ																	
		MUFZ-KJ35VE																	
		MUFZ-KJ35VEHZ																	
		MUFZ-KJ50VE																	
		MUFZ-KJ50VEHZ																	
S SERIES (R32)		SUZ-M25VA																	
		SUZ-M35VA													●				
		SUZ-M50VA																	
		SUZ-M60VA																	
		SUZ-M71VA																	
P SERIES (R410A)		SUZ-KA25VA6																	
		SUZ-KA35VA6													●				
		SUZ-KA50VA6																	
		SUZ-KA60VA6																	
		SUZ-KA71VA6																	

Outdoor Unit \ Option			Air Outlet Guide								Air Protection Guide			Drain Socket			Freeze-prevention Heater (for Drain Pan)			Centralized Drain Pan			M-NET Adapter	M-NET Converter		Control/ Service Tool	Step Interface: 1 PC board w/attachment kit	Insulation for Accumulator		High Static Fan Motor
			MAC-881SG	MAC-882SG	MAC-856SG	MAC-886SG-E	MAC-883SG	PAC-SJ07SG-E	PAC-SG59SG-E	PAC-SH96SG-E	PAC-SJ06AG-E	PAC-SH63AG-E	PAC-SH95AG-E	PAC-SJ08DS-E	PAC-SG60DS-E	PAC-SG61DS-E	MAC-643BH-E	MAC-644BH-E	MAC-646BH-E	PAC-SG63DP-E	PAC-SG64DP-E	PAC-SH97DP-E	PAC-IF01MNT-E	PAC-SJ96MA-E	PAC-SJ95MA-E	PAC-SK52ST	PAC-IF012B-E	MAC-892INS-E	MAC-893INS-E	PAC-SJ71FM-E
M SERIES	L Series	MUZ-LN25VG	●																											
		MUZ-LN25VGHZ	●																											
		MUZ-LN35VG	●																											
		MUZ-LN35VGHZ	●																											
		MUZ-LN50VG		●																										
		MUZ-LN50VGHZ				●																								
		MUZ-LN60VG				●																								
	FT Series	MUZ-FT25VGHZ	●																											
		MUZ-FT35VGHZ		●																										
		MUZ-FT50VGHZ		●																										
	A Series	MUZ-AP15VG					●																							
		MUZ-AP20VG	●																											
		MUZ-AP25VG	●																											
		MUZ-AP25VGH	●																											
		MUZ-AP35VG	●																											
		MUZ-AP35VGH	●																											
		MUZ-AP42VG	●																											
		MUZ-AP42VGH	●																											
		MUZ-AP50VG		●																										
		MUZ-AP50VGH		●																										
		MUZ-AP60VG		●																										
		MUZ-AP71VG				●																								
	E Series	MUZ-EF25VG	●																											
		MUZ-EF25VGH	●																											
		MUZ-EF35VG	●																											
		MUZ-EF35VGH	●																											
		MUZ-EF42VG	●														●													
		MUZ-EF50VG		●															●											
	BT Series	MUZ-BT20VG					●																							
		MUZ-BT25VG					●																							
		MUZ-BT35VG					●																							
		MUZ-BT50VG	●																											
	HR Series	MUZ-HR25VF					●																							
		MUZ-HR35VF					●																							
		MUZ-HR42VF	●																											
		MUZ-HR50VF	●																											
		MUZ-HR60VF		●																										
		MUZ-HR71VF		●																										
	TP Series	MUY-TP35VF																												
		MUY-TP50VF																												
	F Series	MUZ-FH25VE	●																											
		MUZ-FH25VEHZ	●																											
		MUZ-FH35VE	●																											
		MUZ-FH35VEHZ	●																											
		MUZ-FH50VE				●																								
		MUZ-FH50VEHZ				●																								
	S Series	MUZ-SF25VE	●																											
		MUZ-SF25VEH	●																											
		MUZ-SF35VE	●																											
		MUZ-SF35VEH	●																											
		MUZ-SF42VE	●																											
		MUZ-SF42VEH	●																											
		MUZ-SF50VE				●																								
		MUZ-SF50VEH				●																								
	G Series	MUZ-GF60VE				●																								
		MUZ-GF71VE				●																								
	W Series	MUZ-WN25VA					●																							
		MUZ-WN35VA					●																							
	D Series	MUZ-DM25VA					●																							
		MUZ-DM35VA					●																							
	H Series	MUZ-HJ25VA					●																							
		MUZ-HJ35VA					●																							
		MUZ-HJ50VA	●																											
		MUZ-HJ60VA				●																								
		MUZ-HJ71VA				●																								
	Compact floor	MUFZ-KJ25VE	●																											
		MUFZ-KJ25VEHZ	●																											
		MUFZ-KJ35VE	●																											
		MUFZ-KJ35VEHZ	●																											
		MUFZ-KJ50VE				●																								
		MUFZ-KJ50VEHZ				●																								
S SERIES (R32)		SUZ-M25VA	●																											
		SUZ-M35VA	●																											
		SUZ-M50VA				●																								
		SUZ-M60VA				●																								
		SUZ-M71VA				●																								
P SERIES (R410A)		SUZ-KA25VA6	●														●													
		SUZ-KA35VA6	●														●													
		SUZ-KA50VA6				●												●													
		SUZ-KA60VA6				●																								
		SUZ-KA71VA6				●																								

Outdoor Unit		Option	Distribution Pipe								Branch Pipe/Header (Joint)					Joint Pipe											Liquid Refrigerant Dryer		
			For Twin (50:50)				For Triple (33:33:33)		For Quadruple (25:25:25:25)		In case of using 2-branch boxes		Branch Pipe	Header		Unit ø6.35 --> Pipe ø9.52	Unit ø9.52 --> Pipe ø12.7		Unit ø15.88 --> Pipe ø19.05	Unit ø9.52 --> Pipe ø15.88	Unit ø6.35 --> Pipe ø9.52	Unit ø9.52 --> Pipe ø12.7	Unit ø12.7 --> Pipe ø9.52	Unit ø12.7 --> Pipe ø15.88	For pipe ø6.35	For pipe ø9.52	For pipe ø12.7
											Flare	Brazing								Flare								
			MSDD-50TR-E	MSDD-50TR2-E	MSDD-50WR-E	MSDD-50WR2-E	MSDT-111R-E	MSDT-111R3-E	MSDF-1111R-E	MSDF-1111R2-E	MSDD-50AR-E	MSDD-50BR-E	CMY-Y62-G-E	CMY-Y64-G-E	CMY-Y68-G-E	PAC-SG72RJ-E	PAC-SG87RJ-E	PAC-SG73RJ-E	PAC-SG88RJ-E	PAC-SG75RJ-E	PAC-SG76RJ-E	PAC-493PI	MAC-A454JP-E	MAC-A455JP-E	MAC-A456JP-E	PAC-SG81DR-E	PAC-SG82DR-E	PAC-SG85DR-E
P SERIES	Power Inverter (R32)	PUZ-ZM35VKA															●									●		
		PUZ-ZM50VKA															●									●		
		PUZ-ZM60VHA																	●								●	
		PUZ-ZM71VHA		●															●								●	
		PUZ-ZM100VKA		●				●											●								●	
		PUZ-ZM100YKA		●				●											●								●	
		PUZ-ZM125VKA		●				●		●									●								●	
		PUZ-ZM125YKA		●				●		●									●								●	
		PUZ-ZM140VKA		●				●		●									●								●	
		PUZ-ZM140YKA		●				●		●									●								●	
		PUZ-ZM200YKA				●		●		●																		
		PUZ-ZM250YKA				●		●		●																		
	Power Inverter (R410A)	PUHZ-ZRP35VKA2														●										●		
		PUHZ-ZRP50VKA2														●										●		
		PUHZ-ZRP60VHA2																●		●							●	
		PUHZ-ZRP71VHA2	●															●		●							●	
		PUHZ-ZRP100VKA3	●				●											●		●							●	
		PUHZ-ZRP100YKA3	●				●											●		●							●	
		PUHZ-ZRP125VKA3	●				●		●									●		●							●	
		PUHZ-ZRP125YKA3	●				●		●									●		●							●	
		PUHZ-ZRP140VKA3	●				●		●									●		●							●	
		PUHZ-ZRP140YKA3	●				●		●									●		●							●	
		PUHZ-ZRP200YKA3			●		●		●									●									●	
		PUHZ-ZRP250YKA3			●		●		●																			●
	Standard Inverter (R32)	PUZ-M100VKA		●																							●	
		PUZ-M125VKA		●																							●	
		PUZ-M140VKA		●				●																			●	
		PUZ-M100YKA		●																							●	
		PUZ-M125YKA		●																							●	
		PUZ-M140YKA		●				●																			●	
		PUZ-M200YKA				●		●		●																	●	
		PUZ-M250YKA				●		●		●																	●	
	Standard Inverter (R410A)	PUHZ-P100VKA	●																								●	
		PUHZ-P125VKA	●																								●	
		PUHZ-P140VKA	●				●																				●	
		PUHZ-P100YKA	●																								●	
		PUHZ-P125YKA	●																								●	
		PUHZ-P140YKA	●				●																				●	
		PUHZ-P200YKA3			●		●		●																		●	
		PUHZ-P250YKA3			●		●		●																			●
MXZ SERIES (R32)		MXZ-2F33VF3																										
		MXZ-2F42VF3																										
		MXZ-2F53VF(H)3																					●					
		MXZ-2F53VFHZ																					●					
		MXZ-3F54VF3																					●					
		MXZ-3F68VF3																			●	●	●					
		MXZ-4F72VF3																			●	●	●	●	●			
		MXZ-4F80VF3																			●	●	●	●	●			
		MXZ-4F83VF																			●	●	●	●	●			
		MXZ-4F83VFHZ																			●	●	●	●	●			
		MXZ-5F102VF																			●	●	●	●	●			
		MXZ-6F122VF																			●	●	●	●	●			
		MXZ-2HA40VF																										
		MXZ-2HA50VF																										
		MXZ-3HA50VF																										
MXZ SERIES (R410A)		MXZ-2D33VA																										
		MXZ-2D42VA2																										
		MXZ-2D53VA(H)2																					●					
		MXZ-2E53VAHZ																					●					
		MXZ-3E54VA																					●					
		MXZ-3E68VA																			●	●	●					
		MXZ-4E72VA																			●	●	●	●	●			
		MXZ-4E83VA																			●	●	●	●	●			
		MXZ-4E83VAHZ																			●	●	●	●	●			
		MXZ-5E102VA																			●	●	●	●	●			
		MXZ-6D122VA2																			●	●	●	●	●			
		MXZ-2DM40VA																										
		MXZ-3DM50VA																					●					
PUMY Series (R410A)		PUMY-SP112VKM(-BS)									●	●	●	●	●													
		PUMY-SP112YKM(-BS)									●	●	●	●	●													
		PUMY-SP125VKM(-BS)									●	●	●	●	●													
		PUMY-SP125YKM(-BS)									●	●	●	●	●													
		PUMY-SP140VKM(-BS)									●	●	●	●	●													
		PUMY-SP140YKM(-BS)									●	●	●	●	●													
		PUMY-P112VKM5(-BS)									●	●	●	●	●			●		●								
		PUMY-P112YKM(E)4(-BS)									●	●	●	●	●			●		●								
		PUMY-P125VKM5(-BS)									●	●	●	●	●			●		●								
		PUMY-P125YKM(E)4(-BS)									●	●	●	●	●			●		●								
		PUMY-P140VKM5(-BS)									●	●	●	●	●			●		●								
		PUMY-P140YKM(E)4(-BS)									●	●	●	●	●			●		●								
		PUMY-P200YKM2(-BS)									●	●	●	●	●			●		●								
POWERFUL HEATING		PUHZ-SHW112VHA	●																								●	
		PUHZ-SHW112YHA	●																								●	
		PUHZ-SHW140YHA	●																								●	

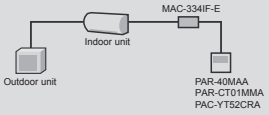
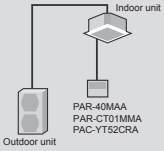
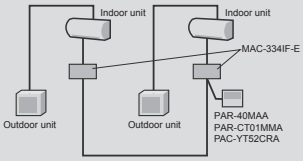
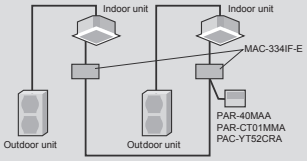
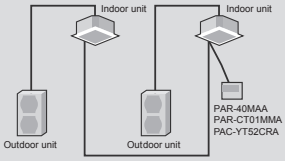
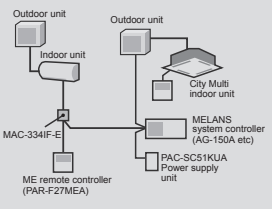
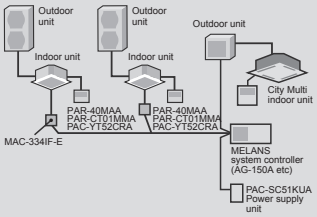
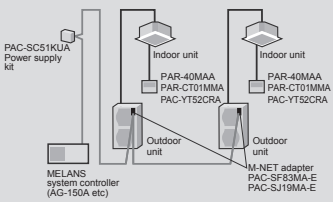
	Branch Box Outer Cover	Reactor Box	Different Diameter Joint				
			ø9.52-->ø12.7	ø12.7-->ø9.52	ø12.7-->ø15.88	ø6.35-->ø9.52	ø9.52-->ø15.88
	PAC-AK350CVR-E	PAC-RB01BC	MAC-A454JP	MAC-A455JP	MAC-A456JP	PAC-493PI	PAC-SG76RJ-E
PAC-MK34BC (Flare)	●	●	●	●	●	●	●
PAC-MK54BC (Flare)	●	●	●	●	●	●	●

		Option	Air Outlet Guide		Air Outlet Guide						Air Protection Guide			Drain Socket			Freeze-prevention Heater (for Drain Pan)						Centralized Drain Pan			M-NET Adapter	M-NET Converter		Control/ Service Tool	Step Interface		Insulation for Accumulator		Con-nection Kit	High Static Fan Motor
		Outdoor Unit	MAC-881 SG	MAC-882 SG	MAC-856 SG	MAC-886 SG-E	MAC-883 SG	PAC-SJ07 SG-E	PAC-SG59 SG-E	PAC-SH96 SG	PAC-SJ06 AG-E	PAC-SH63 AG-E	PAC-SH95 AG-E	PAC-SJ08 DS-E	PAC-SG60 DS-E	PAC-SG61 DS-E	MAC-643 BH-E	MAC-644 BH-E	PAC-645 BH-E	PAC-646 BH-E	PAC-SJ10 BH-E	PAC-SJ20 BH-E	PAC-SG63 DP-E	PAC-SG64 DP-E	PAC-SH97 DP-E	PAC-IF01 MNT-E	PAC-SJ96 MA-E	PAC-SJ95 MA-E	PAC-SK52 ST	PAC-IF012 B-E	PAC-(S)IF013 B-E	MAC-892 INS-E	MAC-893 INS-E	PAC-LV11 M-J	PAC-SJ71 FM-E
P SERIES	Power Inverter (R32)	PUZ-ZM35VKA						●			●			●									●				●		●		●			
		PUZ-ZM50VKA						●			●			●									●				●		●		●			
		PUZ-ZM60VHA							●			●				●								●				●	●		●			
		PUZ-ZM71VHA							●			●				●								●				●	●		●			
		PUZ-ZM100VKA								●			●			●									●			●	●		●			●
		PUZ-ZM100YKA								●			●			●									●			●	●		●			●
		PUZ-ZM125VKA								●			●			●									●			●	●		●			●
		PUZ-ZM125YKA								●			●			●									●			●	●		●			●
		PUZ-ZM140VKA								●			●			●									●			●	●		●			●
		PUZ-ZM140YKA								●			●			●									●			●	●		●			●
		PUZ-ZM200YKA																																	
		PUZ-ZM250YKA																																	
	Power Inverter (R410A)	PUHZ-ZRP35VKA2						●			●			●									●				●		●	●	●			
		PUHZ-ZRP50VKA2						●			●			●									●				●		●	●	●			
		PUHZ-ZRP60VHA2							●			●				●								●				●	●		●	●			
		PUHZ-ZRP71VHA2							●			●				●								●				●	●		●	●			
		PUHZ-ZRP100VKA3								●			●			●									●			●	●		●	●			●
		PUHZ-ZRP100YKA3								●			●			●									●			●	●		●	●			●
		PUHZ-ZRP125VKA3								●			●			●									●			●	●		●	●			●
		PUHZ-ZRP125YKA3								●			●			●									●			●	●		●	●			●
		PUHZ-ZRP140VKA3								●			●			●									●			●	●		●	●			●
		PUHZ-ZRP140YKA3								●			●			●									●			●	●		●	●			●
		PUHZ-ZRP200YKA3								●			●			●									●			●	●		●	●			
		PUHZ-ZRP250YKA3								●			●			●									●			●	●		●	●			
	Standard Inverter (R32)	PUZ-M100VKA								●			●			●									●			●	●						
		PUZ-M125VKA								●			●			●									●			●	●						
		PUZ-M140VKA								●			●			●									●			●	●						
		PUZ-M100YKA								●			●			●									●			●	●						
		PUZ-M125YKA								●			●			●									●			●	●						
		PUZ-M140YKA								●			●			●									●			●	●						
		PUZ-M200YKA								●			●			●									●			●	●	●	●				
		PUZ-M250YKA								●			●			●									●			●	●	●	●				
	Standard Inverter (R410A)	PUHZ-P100VKA								●			●			●									●			●	●						
		PUHZ-P125VKA								●			●			●									●			●	●						
		PUHZ-P140VKA								●			●			●									●			●	●						
		PUHZ-P100YKA								●			●			●									●			●	●						
		PUHZ-P125YKA								●			●			●									●			●	●						
		PUHZ-P140YKA								●			●			●									●			●	●						
		PUHZ-P200YKA3								●			●			●									●			●	●	●	●				
		PUHZ-P250YKA3								●			●			●									●			●	●	●	●				
MXZ SERIES (R32)		MXZ-2F33VF3	●														●																	
		MXZ-2F42VF3	●														●																	
		MXZ-2F53VF(H)3	●														●																	
		MXZ-2F53VFHZ								●																									
		MXZ-3F54VF3			●															●															
		MXZ-3F68VF3			●															●															
		MXZ-4F72VF3			●															●															
		MXZ-4F80VF3			●															●															
		MXZ-4F83VF								●					●				●																
		MXZ-4F83VFHZ								●																									
		MXZ-5F102VF								●					●				●																
		MXZ-6F122VF								●					●				●																
		MXZ-2HA40VF	●																																
		MXZ-2HA50VF	●																																
		MXZ-3HA50VF			●																														
MXZ SERIES (R410A)		MXZ-2D33VA	●														●																	
		MXZ-2D42VA2	●														●																	
		MXZ-2D53VA(H)2	●														●																	
		MXZ-2E53VAHZ								●																●						●			
		MXZ-3E54VA			●															●															
		MXZ-3E68VA			●															●															
		MXZ-4E72VA			●															●															
		MXZ-4E83VA								●					●				●							●									
		MXZ-4E83VAHZ								●																●							●		
		MXZ-5E102VA								●					●				●							●									
		MXZ-6D122VA2								●					●				●							●									
		MXZ-2DM40VA	●																																
		MXZ-3DM50VA			●																														
PUMY Series (R410A)		PUMY-SP112VKM(-BS)								●			●			●					●				●									●	
		PUMY-SP112YKM(-BS)								●			●			●					●				●									●	
		PUMY-SP125VKM(-BS)								●			●			●					●				●									●	
		PUMY-SP125YKM(-BS)								●			●			●					●				●									●	
		PUMY-SP140VKM(-BS)								●			●			●					●				●									●	
		PUMY-SP140YKM(-BS)								●			●			●					●				●									●	
		PUMY-P112VKM5(-BS)								●			●			●						●			●									●	●
		PUMY-P112YKM(E)4(-BS)								●			●			●						●			●									●	●
		PUMY-P125VKM5(-BS)								●			●			●						●			●									●	●
		PUMY-P125YKM(E)4(-BS)								●			●			●						●			●									●	●
		PUMY-P140VKM5(-BS)								●			●			●						●			●									●	●
		PUMY-P140YKM(E)4(-BS)								●			●			●						●			●									●	●
		PUMY-P200YKM2(-BS)								●			●			●						●			●									●	
POWERFUL HEATING		PUHZ-SHW112VHA							●			●															●	●		●	●				
		PUHZ-SHW112YHA							●			●															●	●		●	●				
		PUHZ-SHW140YHA							●			●															●	●		●	●				

SYSTEM CONTROL

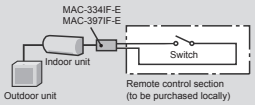
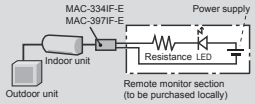
Versatile system controls can be realised using optional parts, relay circuits, control panels, etc.

MAJOR SYSTEM CONTROL

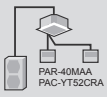
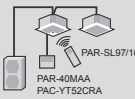
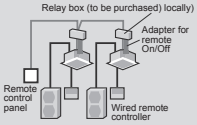
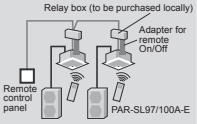
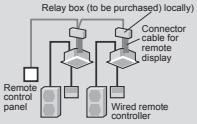
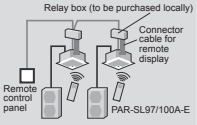
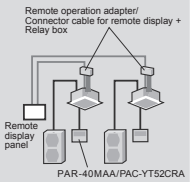
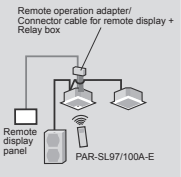
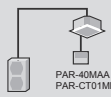
	System Examples		
Indoor Unit	**M Series Indoor Unit**	**S Series & P Series Indoor Unit**	**P Series Indoor Unit**
Outdoor Unit	**M Series and MXZ Series Outdoor**	**S Series and MXZ Series Outdoor**	**P Series Outdoor**
PAR-40MAA Control **PAC-YT52CRA Control**			
Details	• Wired remote controller can be connected to indoor unit	Standard equipment (for indoor units compatible with wired remote controllers)	
Major Optional Parts Required	• MAC-334IF-E or MAC-397IF-E (Interface) • PAR-40MAA (Wired remote controller) • PAR-CT01MMA (Wired remote controller) • PAC-YT52CRA (Wired remote controller)	• PAR-40MAA (Wired remote controller) • PAR-CT01MMA (Wired remote controller) • PAC-YT52CRA (Wired remote controller)	
System Group Control			
Details	• One remote controller can control plural air conditioners with the same settings simultaneously. • One remote controller can control up to 16 refrigerant systems. (When connected to a MXZ unit, MAC-334IF-E is counted as one system.) • Up to two remote controller can be connected. • PAR-SL100A cannot be used when connected through the MAC-334IF-E, or when group control is used.		
Major Optional Parts Required	• MAC-334IF-E or MAC-397IF-E (Interface) • PAR-40MAA (Wired remote controller) • PAR-CT01MMA (Wired remote controller) • PAC-YT52CRA (Wired remote controller)		• PAR-40MAA (Wired remote controller) • PAR-CT01MMA (Wired remote controller) • PAC-YT52CRA (Wired remote controller)
M-NET Connections			
Details	• Group of air conditioners can be controlled by MELANS system controller (M-NET).		
Major Optional Parts Required	• MAC-334IF-E (M-NET Interface) • MELANS System controller • PAC-SC51KUA (power supply unit)		• PAC-SJ95MA-E or PAC-SJ96MA-E (M-NET converter) • MELANS System controller • PAC-SC51KUA (power supply unit)

OTHERS

For M Series Indoor Units (New A-control Models Only)

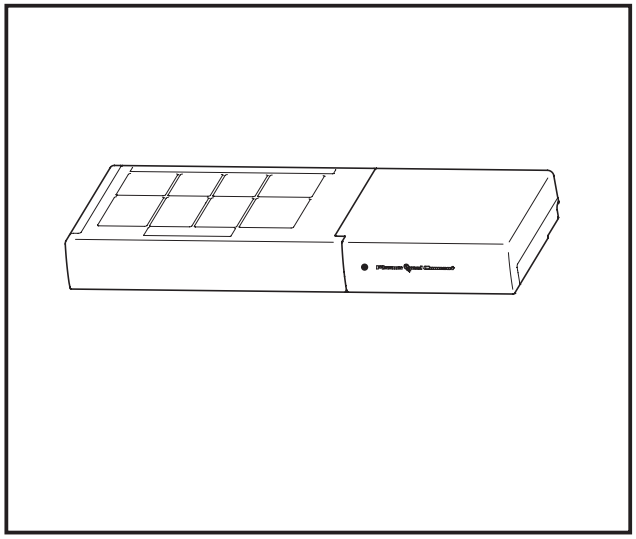
	System Examples	Connection Details	Control Details	Major Optional Parts Required
1 Remote On/Off Operation • Air conditioner can be started/ stopped remotely. (1 and 2 can be used in combination)		Connect the interface to the air conditioner. Then connect the locally purchased remote controller to the terminal in the interface.	On/Off operation is possible from a remote location.	• MAC-334IF-E or MAC-397IF-E (Interface) • Parts for circuit such as relay box, lead wire, etc. (to be purchased locally)
2 Remote Display of Operation Status • The On/Off status of air conditioners can be confirmed remotely. (1 and 2 can be used in combination)		Connect the interface to the air conditioner. Then connect the locally purchased remote controller to the terminal in the interface.	The operation status (On/Off) or error signals can be monitored from a remote location.	• MAC-334IF-E or MAC-397IF-E (Interface) • Parts for circuit to be purchased locally (DC power source needed) • External power source (12V DC) is required when using MAC-334IF-E.

For P Series and S Series Indoor Units

	System Examples		Details	Major Optional Parts Required
	Wired remote controller	Wireless remote controller		
A 2-remote Controller Control With two remote controllers, control can be performed locally and remotely from two locations.	 * Set "Main" and "Sub" remote controllers. (Example of 1 : 1 system)	 * When using wired and wireless remote controllers (Example of Simultaneous Twin)	• Up to two remote controllers can be connected to one group. • Both wired and wireless remote controllers can be used in combination.	• Wired Remote Controller PAR-40MAA PAC-YT52CRA (for PKA, PAC-SH29TC-E is required) • Wireless Remote Controller PAR-SL97A-E / PAR-SL100A-E (only for SLZ) • Wireless Remote Controller Kit for PCA PAR-SL94B-E
B Operation Control by Level Signal Air conditioner can be started/ stopped remotely. In addition, On/Off operation by local remote controller can be prohibited/permitted.	 (Example of 1 : 1 system x 2)	 (Example of 1 : 1 system x 2)	• Operation other than On/Off (e.g., adjustment of temperature, fan speed, and airflow) can be performed even when remote controller operation is prohibited. • Timer control is possible with an external timer.	• Adapter for remote On/Off PAC-SE55RA-E • Relay box (to be purchased locally) • Remote control panel (to be purchased locally)
C Operation Control by Pulse Signal	 (Example of 1 : 1 system x 2)	 (Example of 1 : 1 system x 2)	• The pulse signal can be turned On/Off. • Operation/emergency signal can be received at a remote location.	• Connector cable for remote display PAC-SA88HA-E / PAC-725AD (10 pcs. x PAC-SA88HA-E) • Relay box (to be purchased locally) • Remote control panel (to be purchased locally)
D Remote Display of Operating Status Operating status can be displayed at a remote location.	 (Example of 1 : 1 system)	 (Example of Simultaneous Twin)	• Operation/emergency signal can be received at a remote location (when channeled through the PAC-SF40RM-E → no-voltage signal, when channeled through the PAC-SA88HA-E → DC 12V signal).	• Remote display panel (to be purchased locally) • Connector cable for remote display PAC-SA88HA-E / PAC-725AD (10 pcs. x PAC-SA88HA-E) • Relay box (to be purchased locally) • Remote operation adapter PAC-SF40RM-E *Unable to use with wireless remote controller
E Timer Operation Allows On/Off operation with timer *For control by an external timer, refer to B Operation Control by Level Signal.	 (Example of 1 : 1 system)		• Weekly Timer: On/Off and up to 8 pattern temperatures can be set for each calendar day. (Initial setting) • On/Off Timer: On/Off can be set once each within 72 hr in intervals of 5-minute units. • Auto-off Timer: Operation will be switched off after a certain time elapse. Set time can be changed from 30 min. to 4 hr. at 10 min. intervals. *Simple Timer and Auto-off Timer cannot be used at the same time.	Standard functions of PAR-40MAA PAR-CT01MMA

Plasma Quad Connect(with connecting cable) MAC-100FT-E

Figure



Descriptions

In the AIR PURIFYING operation, Plasma Quad Connect reduces airborne mold, viruses and allergens.

NOTE:

- Never touch the Plasma Quad Connect during operation. Although the Plasma Quad Connect is safety-conscious design, touching this device could be the cause of trouble as this device discharge high voltage electricity.
- A "hissing" sound may be heard during the Plasma Quad Connect operation. This sound is produced when plasma is being discharged. This is not a malfunction.

Specifications

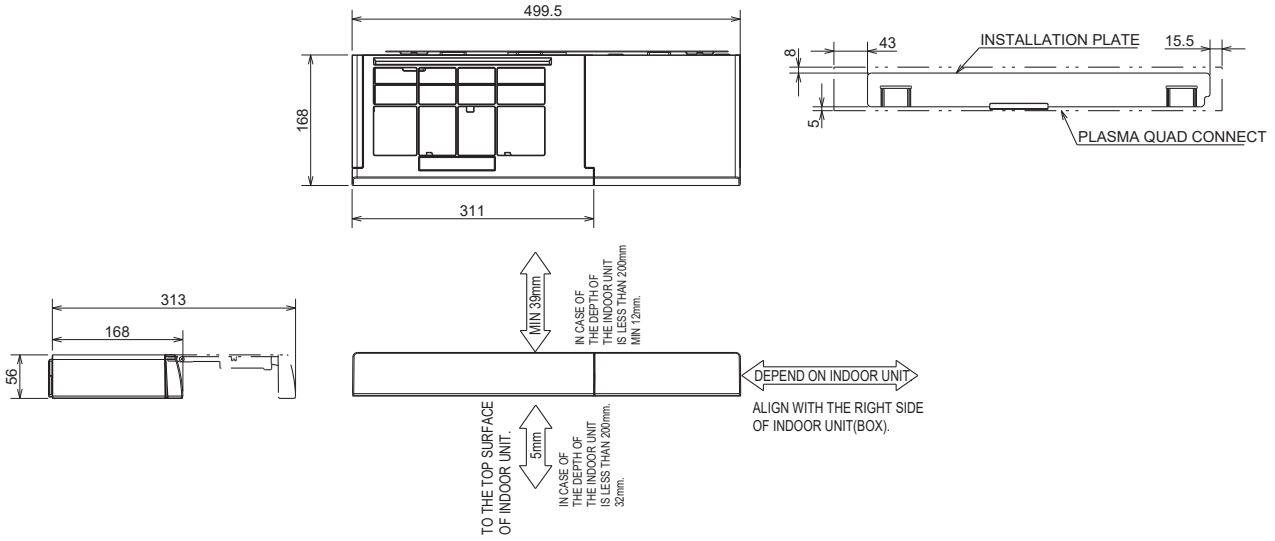
Input voltage	Single phase 220 - 240V AC
Frequency	50/60Hz
Power consumption	4W
Size	56 × 499.5 × 168mm
Weight	1600g
Indoor unit connecting cable	Dedicated 5-wire cable

Applicable Models

- MSZ-FT25VG
- MSZ-FT35VG
- MSZ-FT50VG
- MSZ-AP15VG
- MSZ-AP20VG
- MSZ-AP25VG
- MSZ-AP35VG
- MSZ-AP42VG
- MSZ-AP50VG
- MSZ-AP60VG
- MSZ-AP71VG
- MSZ-EF18VGW
- MSZ-EF18VGB
- MSZ-EF18VGS
- MSZ-EF22VGW
- MSZ-EF22VGB
- MSZ-EF22VGS
- MSZ-EF25VGW
- MSZ-EF25VGB
- MSZ-EF25VGS
- MSZ-EF35VGW
- MSZ-EF35VGB
- MSZ-EF35VGS
- MSZ-EF42VGW
- MSZ-EF42VGB
- MSZ-EF42VGS
- MSZ-EF50VGW
- MSZ-EF50VGB
- MSZ-EF50VGS
- MSZ-BT20VG
- MSZ-BT25VG
- MSZ-BT35VG
- MSZ-BT50VG
- MSZ-HR25VF
- MSZ-HR35VF
- MSZ-HR50VF
- MSZ-HR60VF
- MSZ-HR71VF
- MSY-TP35VF
- MSY-TP50VF
- MSZ-SF15VA
- MSZ-SF20VA
- MSZ-SF25VE3
- MSZ-SF35VE3
- MSZ-SF42VE3
- MSZ-SF50VE3
- MSZ-GF60VE2
- MSZ-GF71VE2
- MSZ-WN25VA
- MSZ-WN35VA
- MSZ-DM25VA
- MSZ-DM35VA
- P-series wall-mounted models

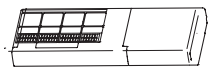
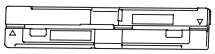
Dimensions

Unit : mm



How to Use / How to Install

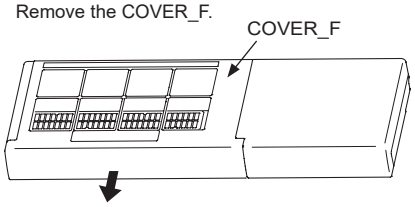
Accessories

(1)	Plasma Quad Connect (with connecting cable)		1	(5)	Mounting cord clamp*		1
(2)	Installation plate		1	(6)	Cable tie*		1
(3)	Fixing screw for (1) and (2) 4 × 25 mm		5	(7)	Screw for mounting 4 x 16 mm (5) (Use when joining room air conditioner parts)*		1
(4)	Spacer Note: The spacer is used as packaging material.		1				

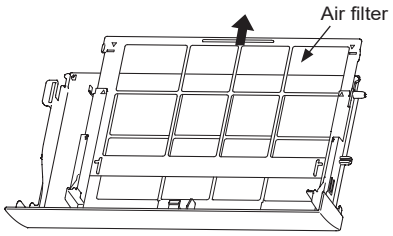
***Refer to the installation manual of the indoor unit.**

Replacement of the air filter

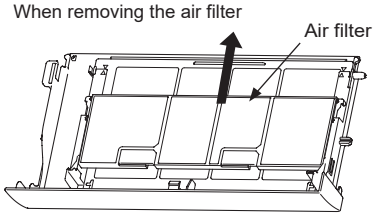
How to remove the air filter
Remove the COVER_F.



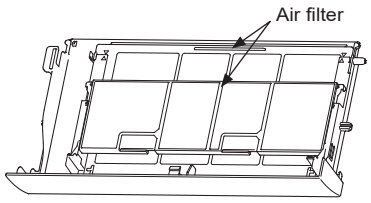
Pull the air filter in the direction of the arrow.



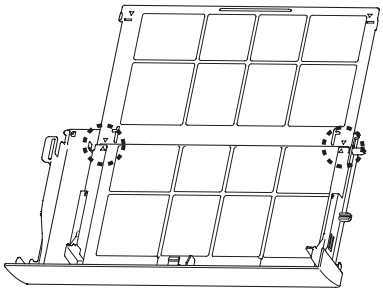
When removing the air filter



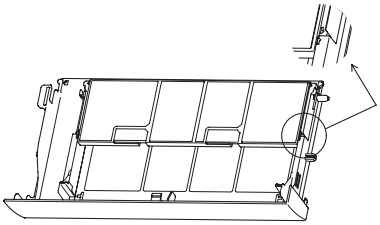
Air filter
- **Clean every 2 weeks**
- Remove dirt by a vacuum cleaner, or rinse with water.
- After washing with water, dry it well in shade.



When attaching the air filter
The marks △ on the COVER_F and the air filter should point at each other when inserting the air filter.

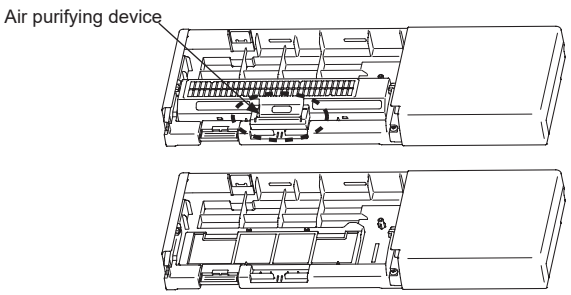


When attaching the air filter
The marks ▷ on the COVER_F and the air filter should point at each other when inserting the air filter.



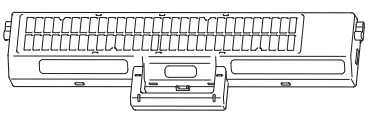
Replacement of the air purifying device (plasma element)

How to remove the air purifying device
Hold the handle and pull it diagonally upward towards you.



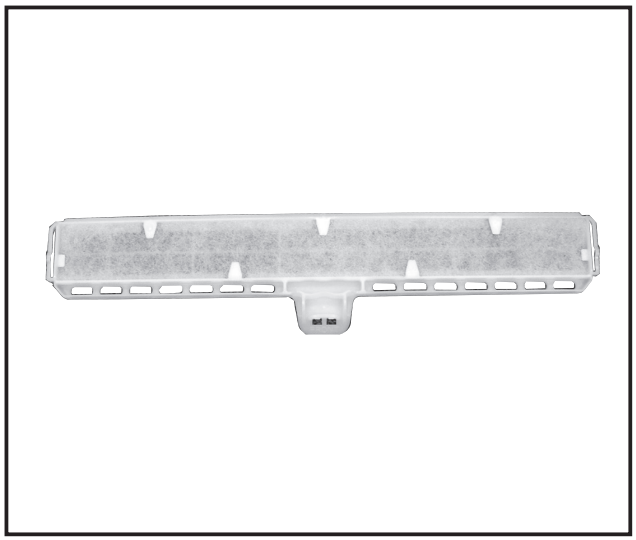
Air purifying device (plasma element)
Every 3 months:
- Remove dirt by a vacuum cleaner.

When dirt cannot be removed by vacuum cleaning:
- Soak the air purifying device together with its frame in lukewarm water and rinse it.
- After washing, dry it well in shade.



Silver-ionized Air Purifier Filter MAC-2360FT-E

Photo



Descriptions

This filter catches dead mites and their droppings, pollen and other allergens on the filter filament, then decomposes them with artificial enzymes.
(Artificial enzyme catalyst on the filament catches the allergens and helps the chemical reaction with oxygen and severs the S-S* bonds. *S=Sulfur atoms)

Applicable Models

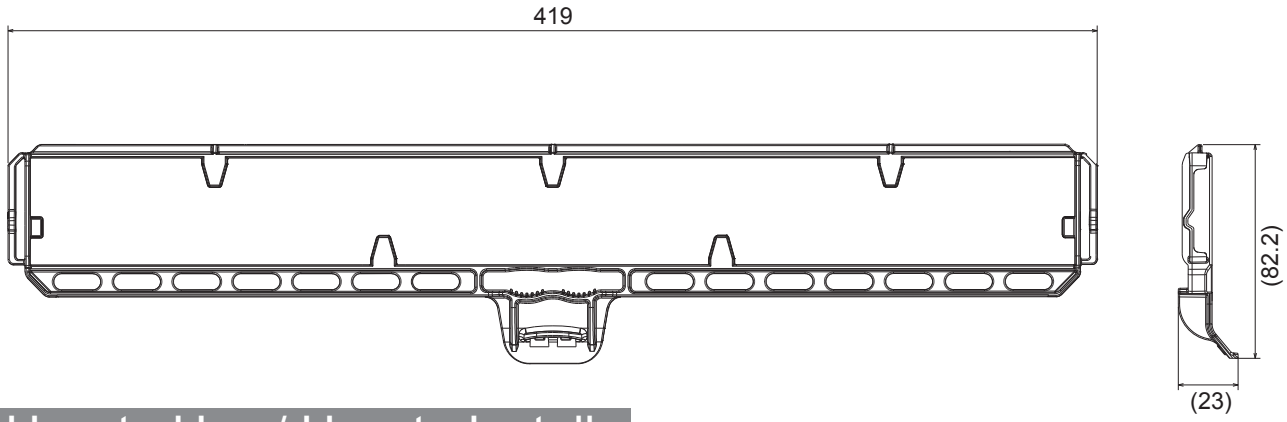
- MSZ-GF60VE2
- MSZ-AP60VG
- MSZ-GF71VE2
- MSZ-AP71VG

Specifications

Color	Frame: White, Filter: Blue
Material	Frame: PP, Filter: Polyester, rayon
Weight	40 g

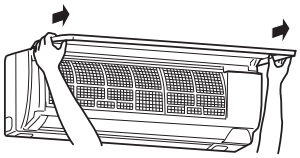
Dimensions

Unit : mm

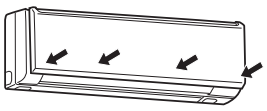


How to Use / How to Install

Replacement of the air cleaning filter



1. Lift the front panel until a “click” is heard.
2. (1) Remove the air filter.
   (2) Remove the air cleaning filter.
   (3) Install a new air cleaning filter.
   (4) Install the air filter.
3. Close the front panel securely and press the positions indicated by the arrows.



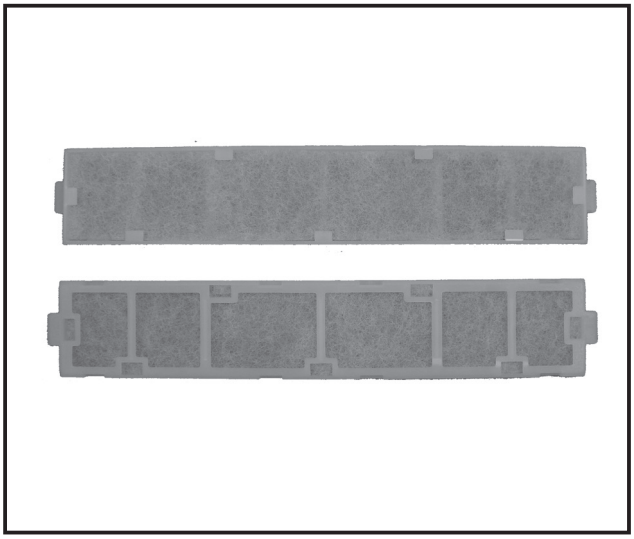
Every 3 months:
- Remove dirt by a vacuum cleaner.

When dirt cannot be removed by vacuum cleaning:
- Soak the filter and its frame in lukewarm water before rinsing it.
- After washing, dry it well in shade.

Every year:
- Replace it with a new air cleaning filter for best performance.

Silver-ionized Air Purifier Filter MAC-2370FT-E

Photo



Every 3 months:
• Remove dirt by a vacuum cleaner.
When dirt cannot be removed by vacuum cleaning:
• Soak the filter and its frame in lukewarm water before rinsing it.
• After washing, dry it well in shade. Install all tabs of the air filter.
Every year:
• Replace it with a new air cleaning filter for best performance.

Descriptions

This air cleaning filter catches dead mites and their droppings, pollen and other allergens on the filter filament, then decomposes them with artificial enzymes.
(Artificial enzyme catalyst on the filament catches the allergens and helps the chemical reaction with oxygen and severs the S-S* bonds. *S= Sulfur atoms)

Applicable Models

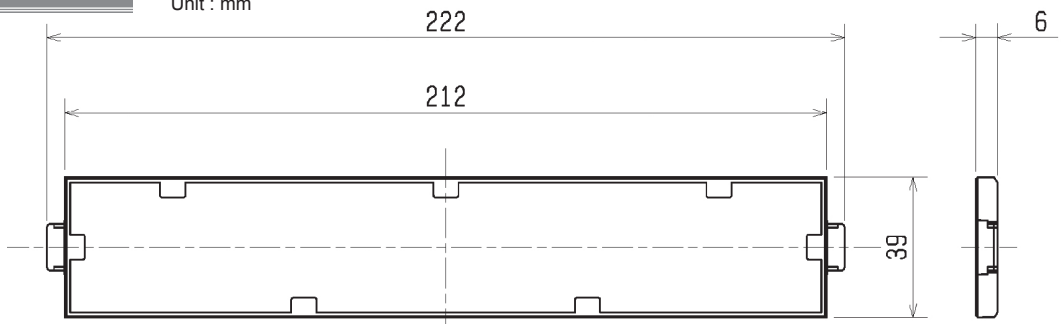
- MSZ-AP25VG
- MSZ-AP35VG
- MSZ-AP42VG
- MSZ-AP50VG
- MSZ-FT25VG
- MSZ-FT25VGK
- MSZ-FT35VG
- MSZ-FT35VGK
- MSZ-FT50VG
- MSZ-FT50VGK
- MSZ-EF18VGW
- MSZ-EF18VGB
- MSZ-EF18VGS
- MSZ-EF22VGW
- MSZ-EF22VGB
- MSZ-EF22VGS
- MSZ-EF25VGW
- MSZ-EF25VGB
- MSZ-EF25VGS
- MSZ-EF35VGW
- MSZ-EF35VGB
- MSZ-EF35VGS
- MSZ-EF42VGW
- MSZ-EF42VGB
- MSZ-EF42VGS
- MSZ-EF50VGW
- MSZ-EF50VGB
- MSZ-EF50VGS
- MSZ-SF25VE3
- MSZ-SF35VE3
- MSZ-SF42VE3
- MSZ-SF50VE3
- MSZ-BT20VG(K)
- MSZ-BT25VG(K)
- MSZ-BT35VG(K)
- MSZ-BT50VG(K)
- MSZ-WN25VA
- MSZ-WN35VA
- MSZ-DM25VA
- MSZ-DM35VA
- MSZ-HJ25VA
- MSZ-HJ35VA
- MSZ-HJ50VA
- MSZ-HJ60VA
- MSZ-HJ71VA
- MSZ-HR25VF
- MSZ-HR35VF
- MSZ-HR42VF
- MSZ-HR50VF
- MSZ-HR60VF
- MSZ-HR71VF
- MSY-TP35VF
- MSY-TP50VF
- MFZ-KJ25VE2
- MFZ-KJ35VE2
- MFZ-KJ50VE2
- MFZ-KT25VG
- MFZ-KT35VG
- MFZ-KT50VG
- MFZ-KT60VG
- MLZ-KP25VF
- MLZ-KP35VF
- MLZ-KP50VF

Specifications

Material	Filter: Polyester, rayon, actylic resin Frame: Polypropylen
Color (Filter)	Blue

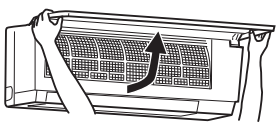
Dimensions

Unit : mm

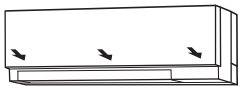


How to Use / How to Install

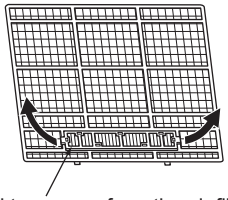
Replacement of the air cleaning filter
<MSZ Type>



1. Lift the front panel until a “click” is heard.
2. (1) Remove the air filter.
   (2) Remove the air cleaning filter.
   (3) Install a new air cleaning filter.
   (4) Install the air filter.
3. Close the front panel securely and press the positions indicated by the arrows.



Every 3 months:
• Remove dirt by a vacuum cleaner.
When dirt cannot be removed by vacuum cleaning:
• Soak the filter and its frame in lukewarm water before rinsing it.
• After washing, dry it well in shade. Install all tabs of the air filter.
Every year:
• Replace it with a new air cleaning filter for best performance.

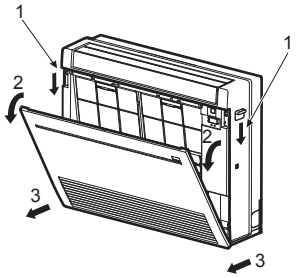


Pull to remove from the air filter

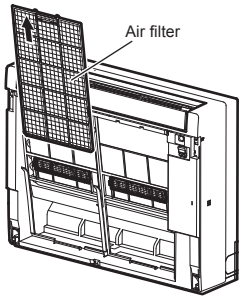
Replacement of the air cleaning filter
<MFZ Type>

(1) Remove the front panel.

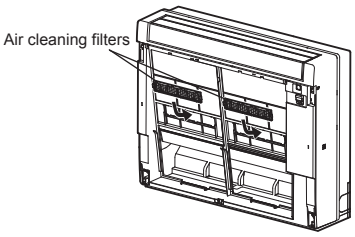
1. Push down the tab on the both sides of the unit to open the front panel.
2. Pull the front panel toward you to remove it.
3. Open the front panel completely and remove it.



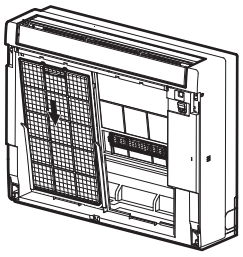
(2) Remove the air filter.



(3) Replace the air cleaning filter.
Fix the filter with the tabs securely.



(4) Install the air filter.



(5) Securely close the front panel.
Install the front panel by the removal procedure in reverse. Refer to (1) 1-3.

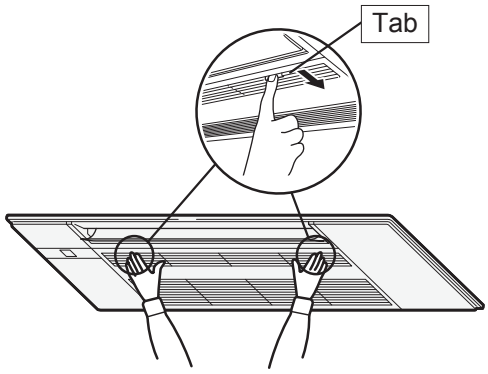
Every 3 months:
- Remove dirt by a vacuum cleaner.

When dirt cannot be removed by vacuum cleaning:
- Soak the filter and its frame in lukewarm water before rinsing it.
- After washing, dry it well in shade. Install all tabs of the air filter.

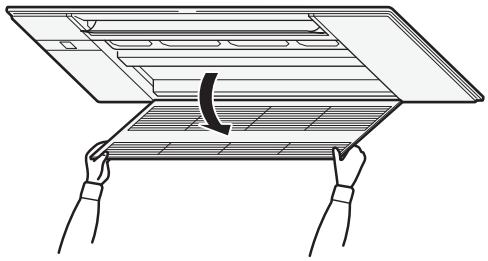
Every year:
- Replace it with a new air cleaning filter for best performance.

Replacement of the air cleaning filter
<MLZ Type>

1. Press the tabs on the intake grille.

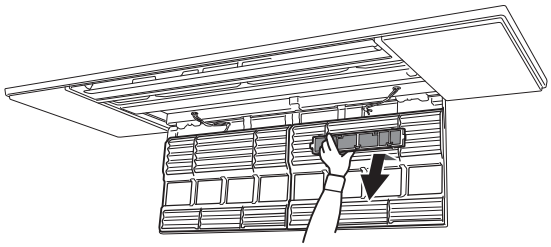


2. Open the intake grille while holding it.



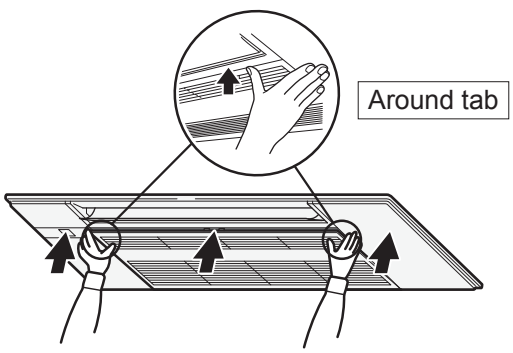
3. Remove the air cleaning filter.

4. Install a new air cleaning filter.



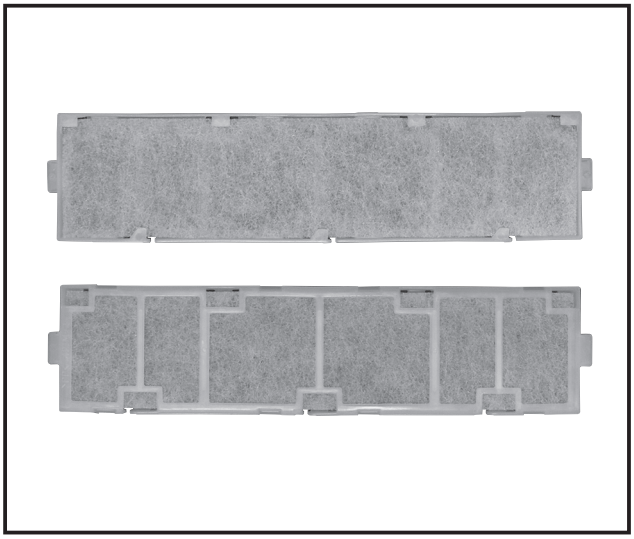
5. Close the intake grille.
- Make sure that the safety strings do not hang out of the intake grille.

6. Press around the each tab of the intake grille until a “click” is heard and press the center.



Silver-ionized Air Purifier Filter MAC-2380FT-E

Photo



Descriptions

This air cleaning filter catches dead mites and their droppings, pollen and other allergens on the filter filament, then decomposes them with artificial enzymes.
(Artificial enzyme catalyst on the filament catches the allergens and helps the chemical reaction with oxygen and severs the S-S* bonds. *S= Sulfur atoms)

Applicable Models

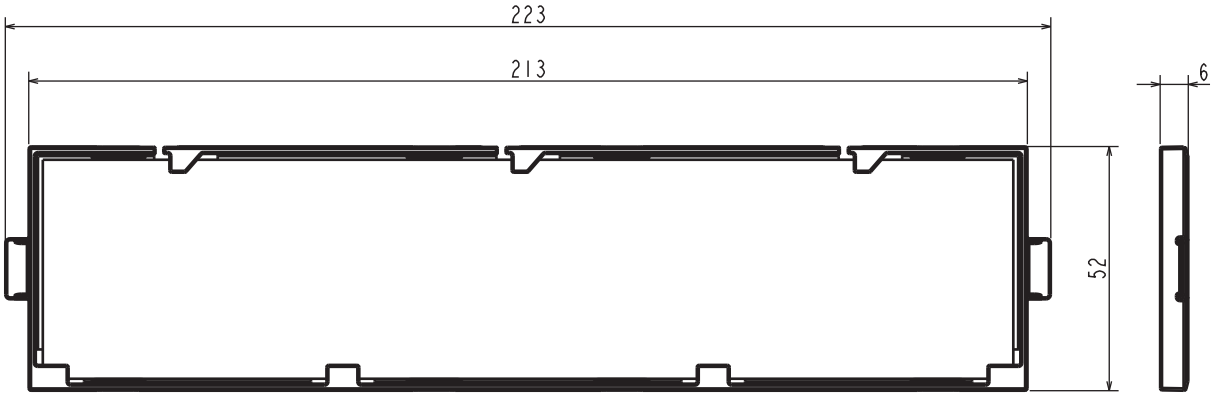
- MSZ-FH25VE2
- MSZ-FH35VE2
- MSZ-FH50VE2

Specifications

Material	Filter: Polyester, rayon, actylicresin Frame: Polypropylen
Color (Filter)	Blue

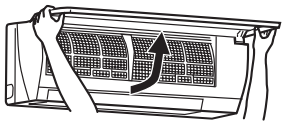
Dimensions

Unit : mm

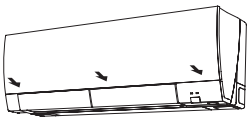


How to Use / How to Install

Replacement of the air cleaning filter



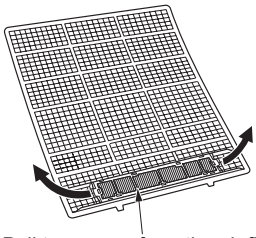
1. Lift the front panel until a “click” is heard.
2. (1) Remove the air filter.
   (2) Remove the air cleaning filter.
   (3) Install a new air cleaning filter.
   (4) Install the air filter.
3. Close the front panel securely and press the positions indicated by the arrows.



Every 3 months:
- Remove dirt by a vacuum cleaner.

When dirt cannot be removed by vacuum cleaning:
- Soak the filter and its frame in lukewarm water before rinsing it.
- After washing, dry it well in shade. Install all tabs of the air filter.

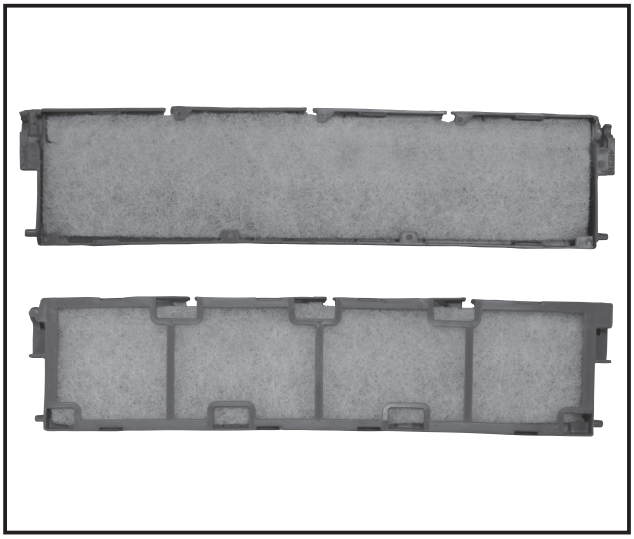
Every year:
- Replace it with a new air cleaning filter for best performance.



Pull to remove from the air filter

Silver-ionized Air Purifier Filter MAC-2390FT-E

Photo



Descriptions

This air cleaning filter catches dead mites and their droppings, pollen and other allergens on the filter filament, then decomposes them with artificial enzymes.
(Artificial enzyme catalyst on the filament catches the allergens and helps the chemical reaction with oxygen and severs the S-S* bonds. *S= Sulfur atoms)

Applicable Models

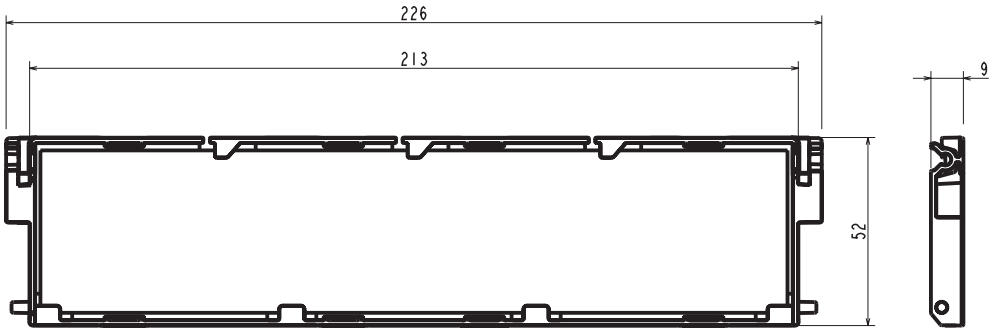
- MSZ-LN18VGW
- MSZ-LN18VGV
- MSZ-LN18VGB
- MSZ-LN18VGR
- MSZ-LN25VGW
- MSZ-LN25VGV
- MSZ-LN25VGB
- MSZ-LN25VGR
- MSZ-LN35VGW
- MSZ-LN35VGV
- MSZ-LN35VGB
- MSZ-LN35VGR
- MSZ-LN50VGW
- MSZ-LN50VGV
- MSZ-LN50VGB
- MSZ-LN50VGR
- MSZ-LN60VGW
- MSZ-LN60VGV
- MSZ-LN60VGB
- MSZ-LN60VGR

Specifications

Material	Filter: Polyester, rayon, actylic resin Frame: Polypropylen
Color (Filter)	Blue

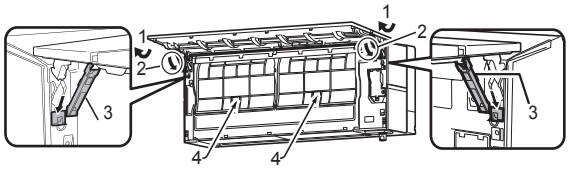
Dimensions

Unit : mm

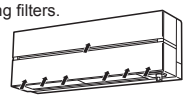


How to Use / How to Install

Replacement of the air cleaning filter



1. Open the front panel.
   Note: You cannot remove the front panel.
2. Rotate the stoppers as indicated by the arrows until they click.
3. Lower the front panel slowly and it will be held open with the stoppers.
4. Pinch the tabs on the filters; slightly push them up and pull down toward you to remove the air cleaning filters.
5. Install the new air cleaning filters.
6. Close the front panel securely and press the positions indicated by the arrows.

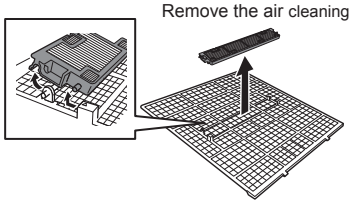


Every 3 months:
- Remove dirt by a vacuum cleaner.

When dirt cannot be removed by vacuum cleaning:
- Soak the filter and its frame in lukewarm water before rinsing it.
- After washing, dry it well in shade. Install all tabs of the air filter.

Every year:
- Replace it with a new air cleaning filter for best performance.

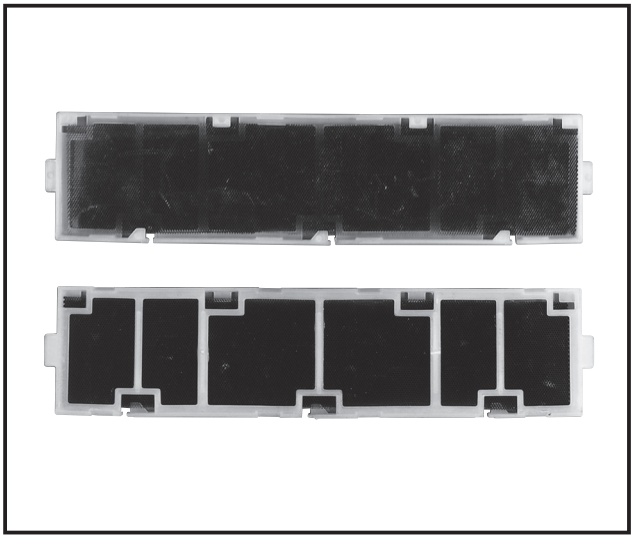
Remove the air cleaning filter.



Deodorising Filter

MAC-3000FT-E

Photo



Descriptions

The catalyst coating on the honeycomb-structured frame captures small foul-smelling substances in the air, then breaks down the source of the odors with the power of the ozone generated in a plasma electrode unit.

Applicable Models

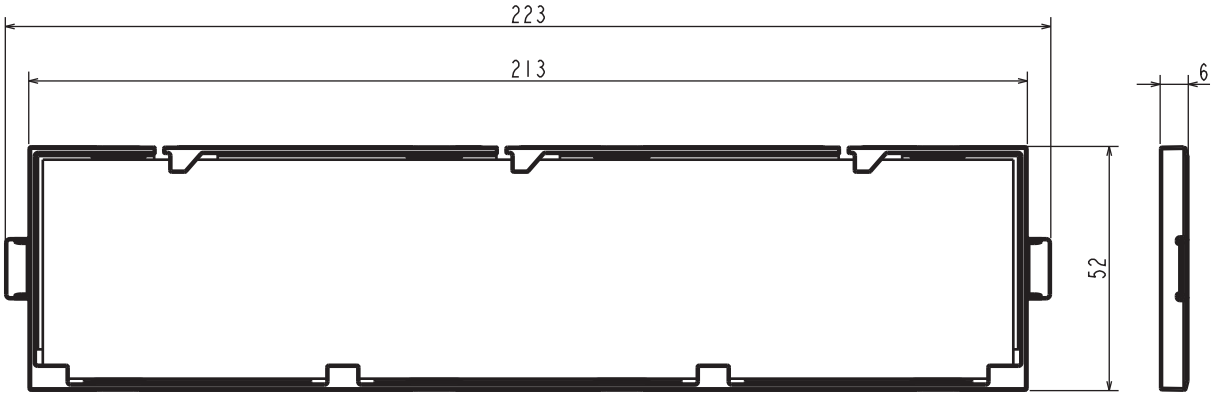
- MSZ-FH25VE2
- MSZ-FH35VE2
- MSZ-FH50VE2

Specifications

Material	Filter: Aluminium Catalyst: MnO_2, SiO_2 Frame: Polypropylen
Color (Filter)	Black

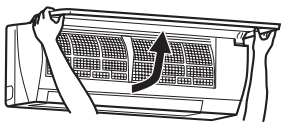
Dimensions

Unit : mm

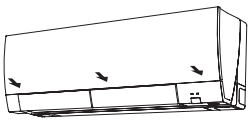


How to Use / How to Install

Replacement of the air cleaning filter



1. Lift the front panel until a “click” is heard.
2. (1) Remove the air filter.
   (2) Remove the air cleaning filter.
   (3) Install a new air cleaning filter.
   (4) Install the air filter.
3. Close the front panel securely and press the positions indicated by the arrows.

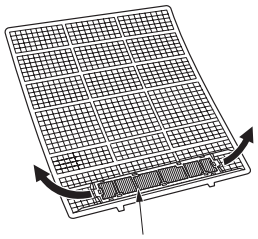


Every 3 months:

- Remove dirt by a vacuum cleaner, or soak the framed filter in lukewarm water (30 to 40°C) for about 15 minutes. Rinse well.
- After washing, dry it well in shade.
- Deodorizing feature recovers by cleaning the filter.

When dirt or smell cannot be removed by cleaning:

- Replace it with a new air cleaning filter.

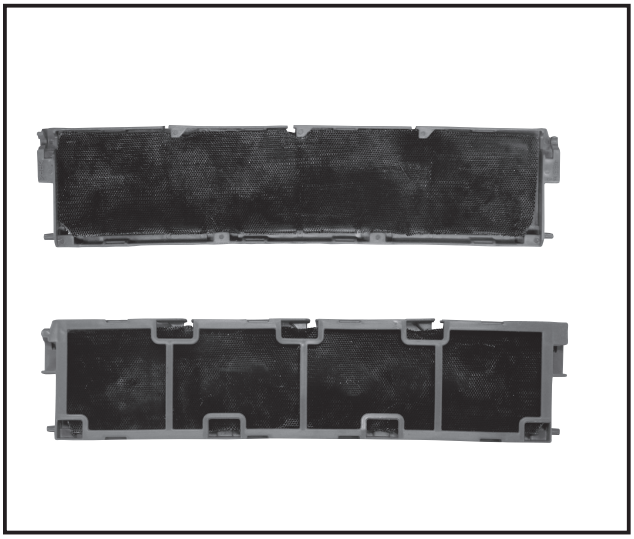


Pull to remove from the air filter

Deodorising Filter

MAC-3010FT-E

Photo



Descriptions

The catalyst coating on the honeycomb-structured frame captures small foul-smelling substances in the air, then breaks down the source of the odors with the power of the ozone generated in a plasma electrode unit.

Applicable Models

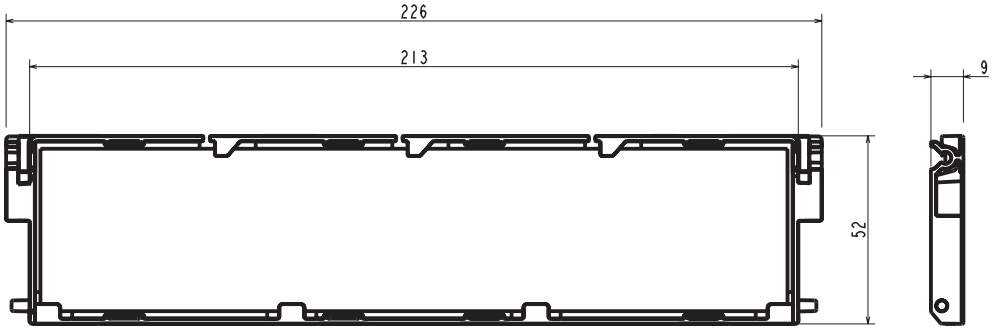
- MSZ-LN18VGW
- MSZ-LN18VGV
- MSZ-LN18VGB
- MSZ-LN18VGR
- MSZ-LN25VGW
- MSZ-LN25VGV
- MSZ-LN25VGB
- MSZ-LN25VGR
- MSZ-LN35VGW
- MSZ-LN35VGV
- MSZ-LN35VGB
- MSZ-LN35VGR
- MSZ-LN50VGW
- MSZ-LN50VGV
- MSZ-LN50VGB
- MSZ-LN50VGR
- MSZ-LN60VGW
- MSZ-LN60VGV
- MSZ-LN60VGB
- MSZ-LN60VGR

Specifications

Material	Filter: Aluminium Catalyst: MnO_2, SiO_2 Frame: Polypropylen
Color (Filter)	Black

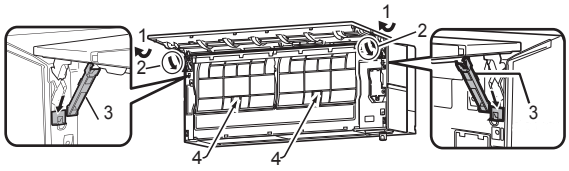
Dimensions

Unit : mm

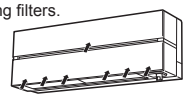


How to Use / How to Install

Replacement of the air cleaning filter



1. Open the front panel.
   Note: You cannot remove the front panel.
2. Rotate the stoppers as indicated by the arrows until they click.
3. Lower the front panel slowly and it will be held open with the stoppers.
4. Pinch the tabs on the filters; slightly push them up and pull down toward you to remove the air cleaning filters.
5. Install the new air cleaning filters.
6. Close the front panel securely and press the positions indicated by the arrows.



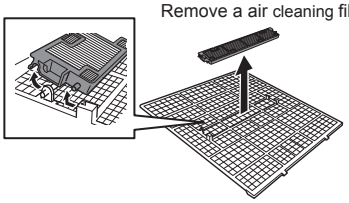
Every 3 months:

- Remove dirt by a vacuum cleaner, or soak the framed filter in lukewarm water (30 to 40°C) for about 15 minutes. Rinse well.
- After washing, dry it well in shade.
- Deodorizing feature recovers by cleaning the filter.

When dirt or smell cannot be removed by cleaning:

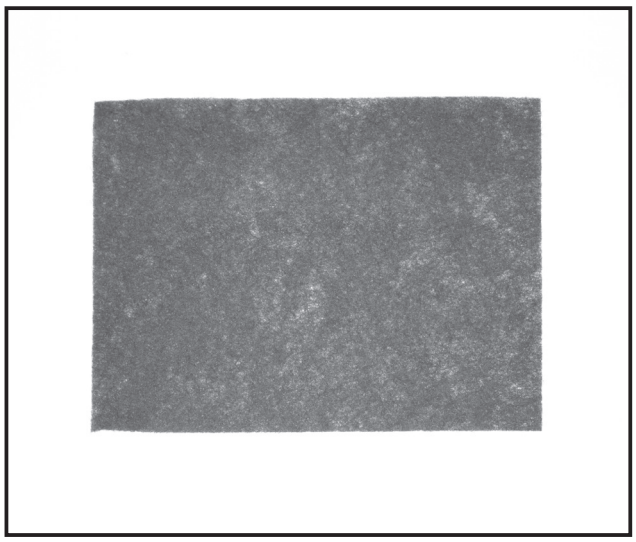
- Replace it with a new air cleaning filter.

Remove a air cleaning filter.



Oil Mist Filter Element (12 pieces) PAC-SG38KF-E

Photo



Descriptions

Filter Element (12 Pieces) for ceiling suspended models for professional kitchen use.

Applicable Models

■ PCA-M71HA

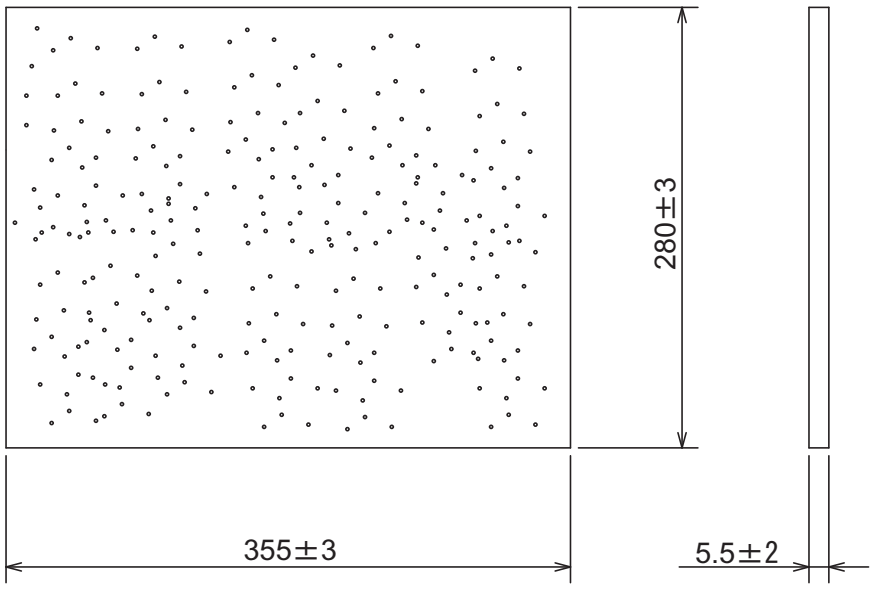
Specifications

Material	Modacrylic fiber / Polyester
Color	Black
Temperature	60℃ or less
Reproduction	Disposable (Reproduction not possible)
Packing	12 elements per bag

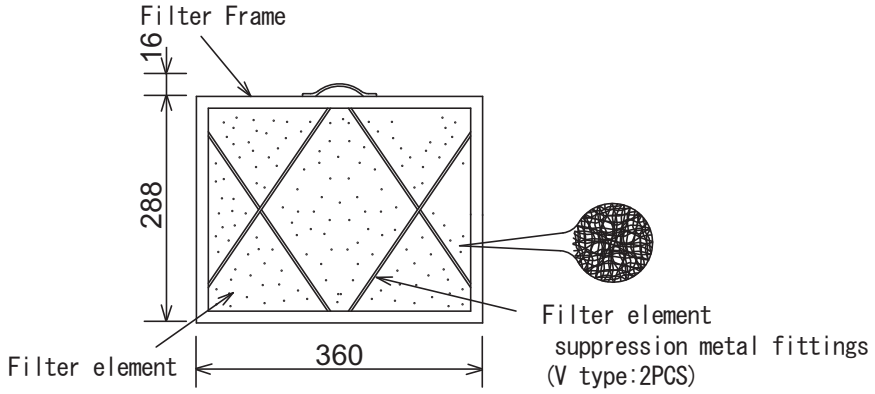
Note: Only the filter element must be replaced
(the filter frame provided on the main body must be used)

Dimensions

Unit : mm



State of installation to filter frame

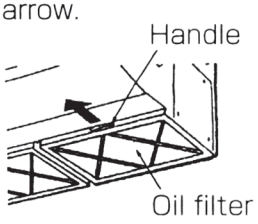


How to Use / How to Install

Cleaning the oil filter

1) Removing the oil filter

①Remove the filter by sliding it in the direction of an arrow.



M71 → 3pieces

2) Replacing the filter element

①Remove the oil filter by sliding it in the direction of an arrow.

②Remove the two metal fittings for filter element according to the following procedure. Bend the metal fittings towards ① side(inside)and then slide them in the direction of ② to remove.

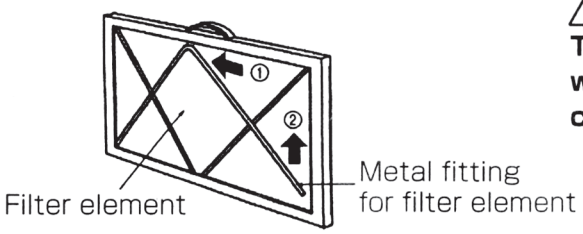
③Replace the filter element (disposable).

Note:

Install the filter element within the frame securely.

④Install the metal fittings for filter element in their original positions.

⑤Turn the side of oil filter that the metal fittings are installed downward and install the filter in the unit.



3) Cleaning the frame of the oil filter

Tools to be prepared

· Protective goods such as a rubber glove

· Scrubbing brush or brush

Note:

Avoid using a metal scrubbing brush or brush since the aluminum materials could be damaged.

· Household neutral detergent or alkalescent detergent(for washing dishes or clothes)

Note:

If alkaline detergent is used for cleaning, the part made of aluminum could discolor.

Make sure the filter element is removed when cleaning the oil filter.

①If the filter is not so dirty.(If the filter is cleaned once a week(once per 100 operating hours).)

Wash the filter with water and above-mentioned detergent using a scrubbing brush or brush, etc. (It is more effective to wash the filter with lukewarm water.)

②If the filter is extremely dirty.

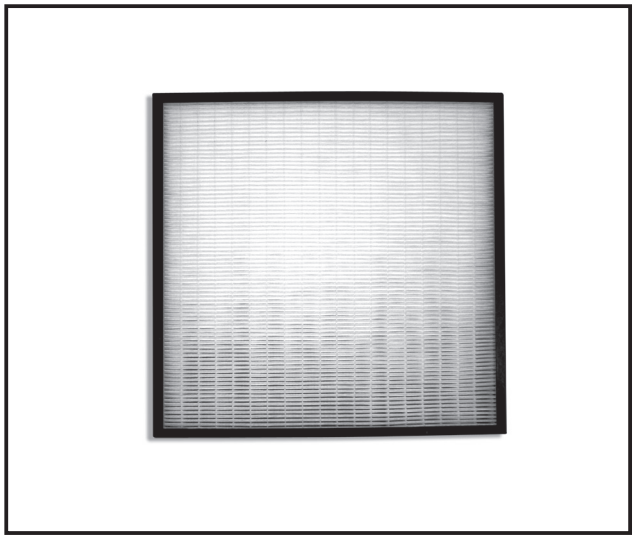
Put the previously-mentioned detergent (its strength should be about 1/10 of undi-luted solution)into hot water whose temperature is 50℃ or less, and soak the filter for 1 hour or more before washing.

⚠Warning:

To prevent your hand from burning, start washing the filter after the hot water gets cold.

High-efficiency Filter Element PAC-SH59KF-E

Photo



Descriptions

High Efficiency Filter is part that remove dust in air.
Multi-functional casement is required for installation.
PAC-SJ41TM-E (E type)

Applicable Models

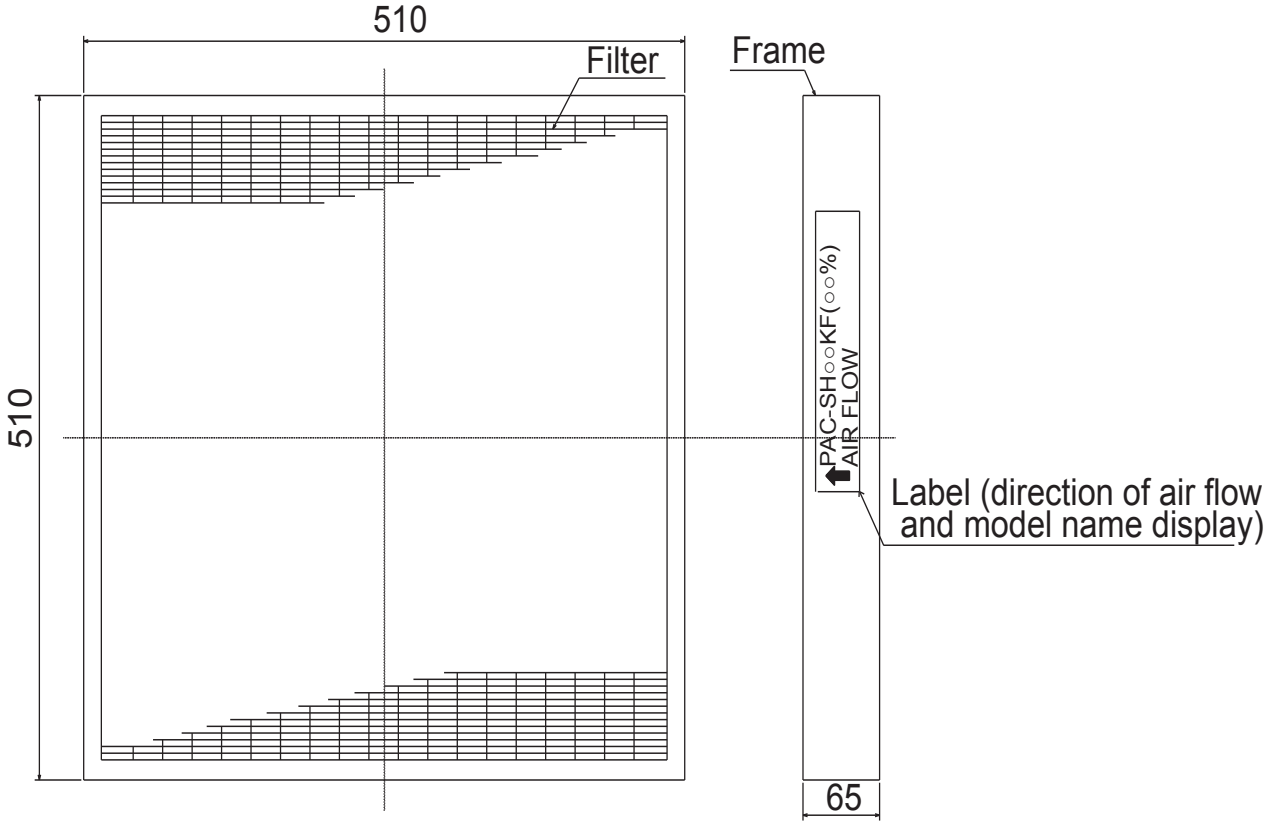
- PLA-ZM·EA series
- PLA-M·EA series
- PLA-SM·EA series

Specifications

Dust collection efficiency	Colorimetric method 65% (JIS 11 class)
Filter element ,aterial	Electrrostatic polyolefin fiber
Life	Approx. 2,500 hours (at dust density 0.15 mg/m^3) *Reproduction not possible
Parts composition	This element x 1

Dimensions

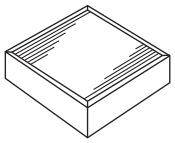
Unit : mm



How to Use / How to Install

1 Parts check.

(The unit is provided with this manual and following parts in the box.)

Part #, Name	High-efficiency filter element
Q'ty	1
Figure	

NOTICE

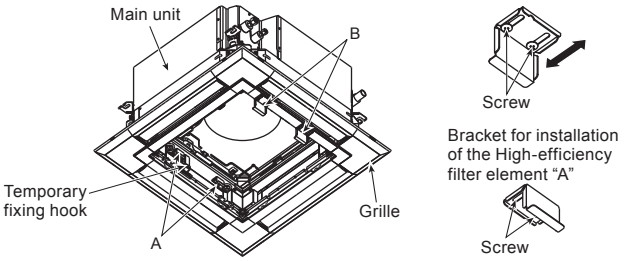
(1) In case that the High-efficiency filter element is installed, it should be installed on the Multi-functional casement which is option.
Be sure to purchase the Multi-functional casement.

2 Installation of High-efficiency filter element (same procedure for replacement)

- Remove the intake grille of the grille in advance. (See the "installation instructions of grille" for details.)
- Loosen the 4 screws (B type)/8 screws (E type) of the 2 plates (B type)/4 plates (E type) for installation of the High-efficiency filter element of the Multi-functional casement as shown below. Then, slide them outward.
- Set the High-efficiency filter element in the Multi-functional casement, slide the plates inward, and then tighten the 4 screws (B type)/8 screws (E type) securely.

Note:
1. When the main unit is used with "2 ways" air outlet, the High-efficiency filter element is not available.
2. When the High-efficiency filter element is installed, the operation noise can be larger.
3. When attaching the High-efficiency filter element, check the direction of air flow, referring to the stamp on the side.

E type
Mr.Slim: PLA-EA
City Multi: PLFY-VEM



3 Air flow volume setting when High-efficiency filter element is installed

Note:
1. When the High-efficiency filter element is attached for the first time, the setting for increase in airflow rate must be performed.
2. This setting is necessary only when the element is newly attached: No setting is required when the filter is replaced.

⚠ CAUTION	Set up for increasing air flow volume.
	●If the set up is not done correctly, the air flow volume will decrease and it can lower the performance and cause dew drop.

1) If the main unit to be combined is a slim air conditioner (combination with PLA):
- Setting must be performed from the remote control: See the pages of "Function Selection" in the installation manual provided with the remote control. (Set optional assembly to "Yes".)

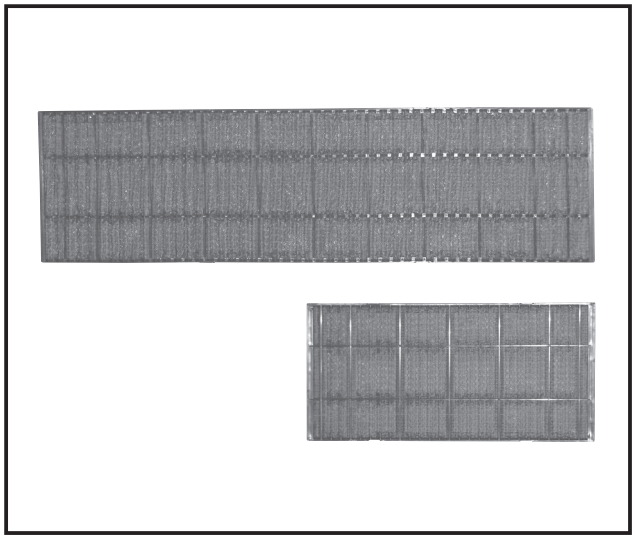
4 Replacement Period

- The High-efficiency filter element is single-use (not recyclable).
- The reference for operation time is 2,500 hours (depending on the environment in which the air-conditioner is installed).

⚠ CAUTION	Do not wash with water.
	●Washing with water will degrade the performance and could cause the element to become unusable.

High-efficiency Filter Element PAC-SH88,89,90KF-E

Photo



Descriptions

- High Efficiency Filter is part that remove dust in air.
  Dust collection efficiency: 70% (Weighing method)
- It is the best for the air-conditioning of the stove where a lot of going of the person in and out exists.

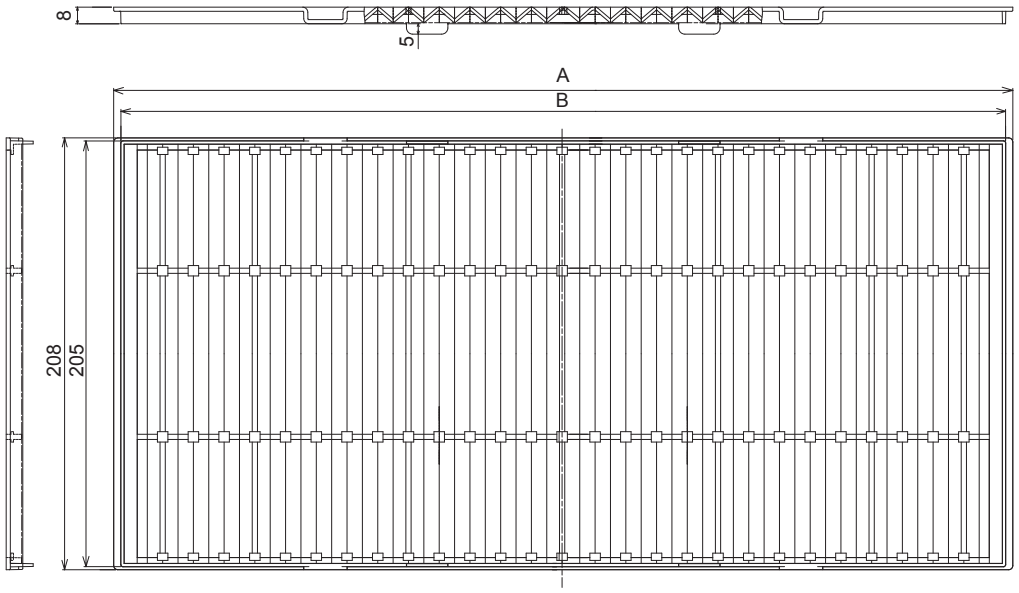
Applicable Models and Specifications

Model		PAC-SH88KF-E	PAC-SH89KF-E	PAC-SH90KF-E
Dust collection efficiency		70% (weighing method)		
Filter material		PP fiber (antibacterial + mildew-proof), honeycomb weave (Identification: gray yarn woven)		
Maintenance		Approx. 2,500 hours (varies with operating conditions)		
Parts composition	Filter (large)	—	1	2
	Filter (small)	2	1	—
Applicable models		PCA-M35,50KA	PCA-M60,71KA	PCA-M100,125,140KA

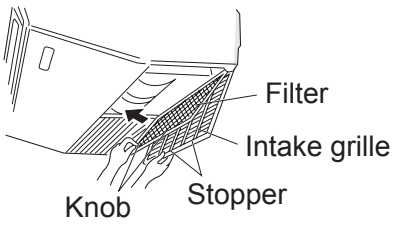
Dimensions

Unit : mm

	A	B
Small	432	425
Large	752	745

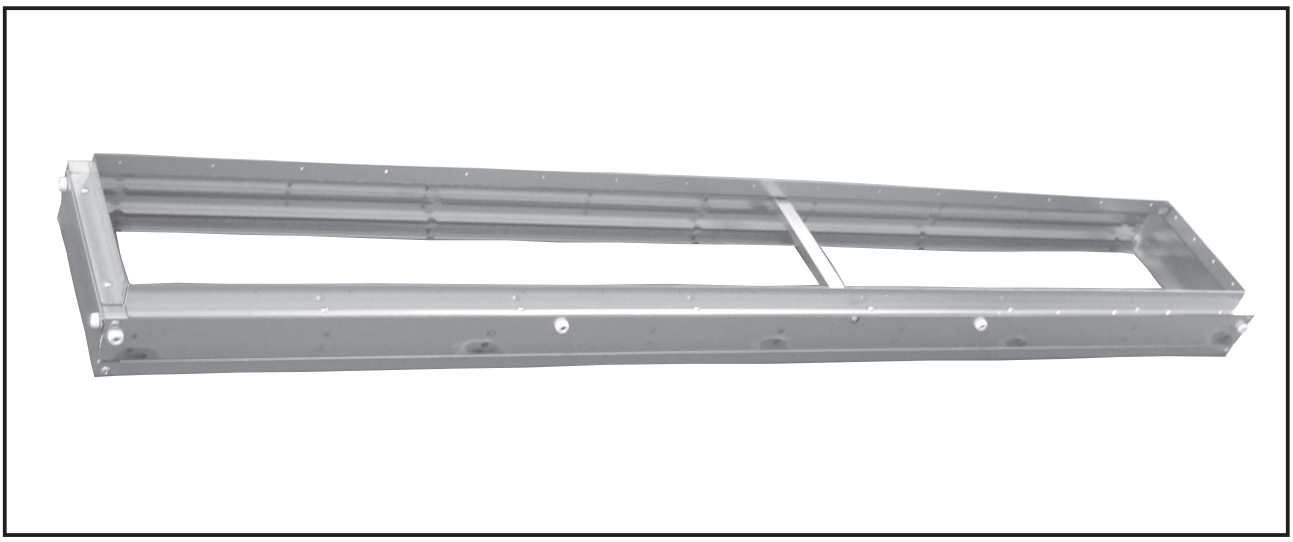


How to Use / How to Install



1 Open the intake grille.
2 Hold the knob on the filter then pull the filter up in the direction of an arrow. To replace the high efficiency filter, be sure to insert the filter far enough until it fits into the stopper.

Photo



Applicable Models

Model	PAC-KE92TB-E	PAC-KE93TB-E	PAC-KE94TB-E	PAC-KE95TB-E
Applicable models	PEAD-M35JA(L) PEAD-M50JA(L)	PEAD-M60,71JA(L) PEAD-SM71JA(L)	PEAD-M100,125JA(L) PEAD-SM100,125JA(L)	PEAD-M140JA(L)

How to Use / How to Install

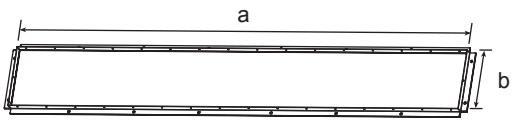
1 Confirming the Supplied Parts

1. Model names and applicable models

Model name	Applicable types	Applicable filter	
		Size	Q'ty
PAC-KE92TB-E	PEAD-M35,50JA(L)	900×240	1
PAC-KE93TB-E	PEAD-M60,71JA(L) PEAD-SM71JA(L)	550×240	2
PAC-KE94TB-E	PEAD-M100,125JA(L) PEAD-SM100,125JA(L)	700×240	2
PAC-KE95TB-E	PEAD-M140JA(L)	700×240 + 900×240	1 1

2. Provided parts

Check that the packet includes the following parts in addition to this installation manual.

PARTS	SHAPE		Q'ty	Model name
① SCREW(4 × 10)			24	PAC-KE92,93TB-E
			30	PAC-KE94,95TB-E
② SUCTION FLANGE		a × b	-	-
		857×208	1	PAC-KE92TB-E
		1057×208	1	PAC-KE93TB-E
		1357×208	1	PAC-KE94TB-E
		1557×208	1	PAC-KE95TB-E

2 Attach the filter box

Attach the filter box before installalling the indoor unit.

1. Remove the filter on the indoor unit. (Fig. 2-1)

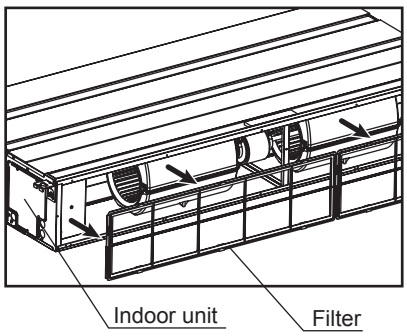


Fig.2-1

2. Install the filter box on the indoor unit with the supplied screws. (Fig. 2-2)

PAC-KE92,93TB-E ·····10 pcs.
PAC-KE94,95TB-E ·····12 pcs.

Note) Failure to firmly tightened the screws will cause air leakage. Make sure the screws are firmly tightened.

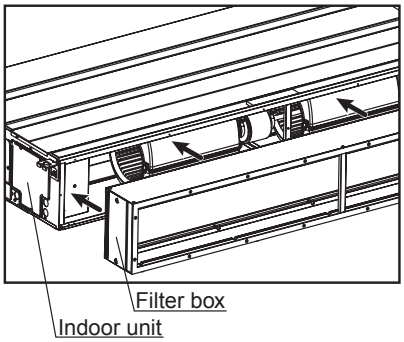


Fig.2-2

3. Install the supplied suction flange on the filter box with the supplied screws. (Fig. 2-3)

PAC-KE92,93TB-E ·····12 pcs.
PAC-KE94,95TB-E ·····16 pcs.

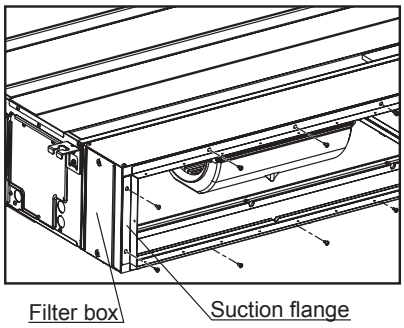


Fig.2-3

3 Installing the filter

1. Installation that allows for maintenance from the side

(1) Remove the side panel from the filter box. (Fig. 3-1-1)

(2) Insert the filter that was removed in step 2-1 above along the top and bottom rails. (Fig. 3-1-2)
When using the PAC-KE93, 94, or 95TB model, join the two filters before inserting them. (Fig. 3-1-3)

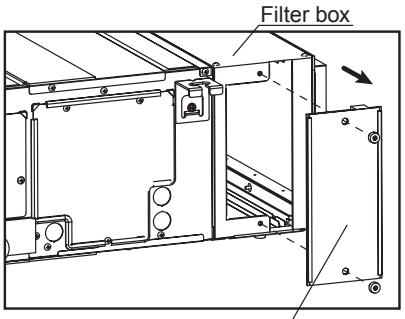


Fig.3-1-1

If the two filters are inserted without them being joined together, it will render the one in the back difficult to remove.

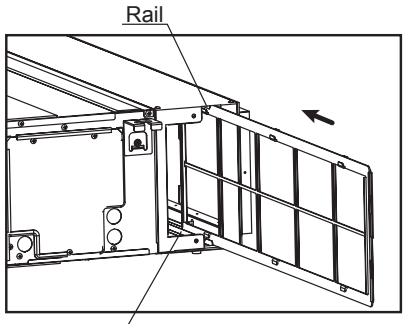


Fig.3-1-2

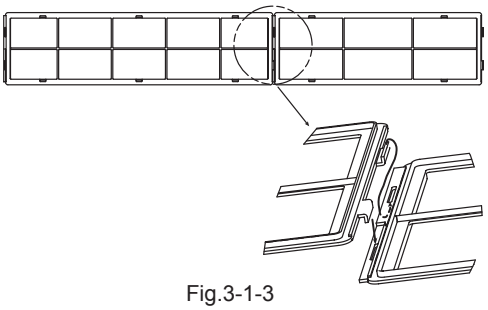


Fig.3-1-3

⚠ CAUTION

Never place your hand inside the filter box during maintenance. If the filter tabs become caught when the filter is removed for maintenance, use a long stick or similar item to remove the remaining filter.

2. Installation that allows for maintenance from the bottom

(1) Remove the under panel from the filter box. (Fig. 3-2-1)

(2) Insert the filter that was removed in step 3-1 above through the bottom of the filter box. (Fig. 3-2-2)

(3) Insert the filter between the insulators on the top plate of the filter box until the filter is completely inside the filter box, and place the filter on the under frame of the filter box. (Fig. 3-2-3)

(4) Install the under panel.

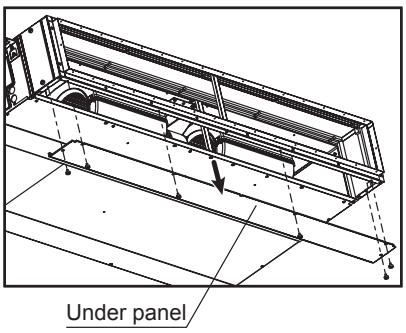


Fig.3-2-1

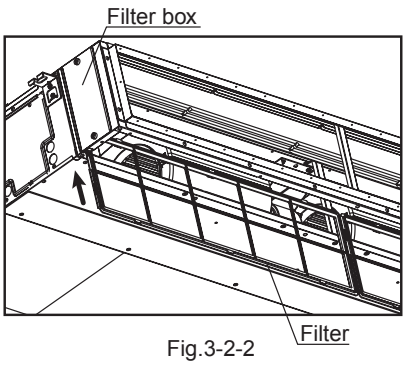


Fig.3-2-2

Final Check

The last step of the procedure is to make sure that nothing has been overlooked during the procedure. In addition, once the filter box has been mounted and the above procedure has been completed, carefully check for air leakage at the connections of the indoor unit.

For more detailed information, please consult your dealer.

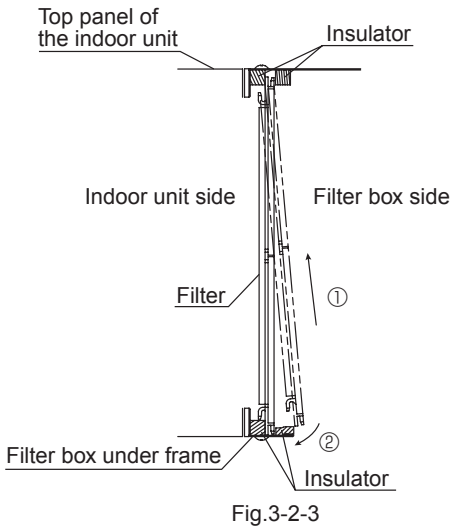


Fig.3-2-3

Soft dry cloth

MAC-1001CL-E

Photo

Descriptions

The SOFT DRY CLOTH must be used when wiping the surfaces of indoor units of the air conditioners as it offers gentle cleaning with minimum abrasion.
Wash the SOFT DRY CLOTH with water at temperatures of 60 °C or below.

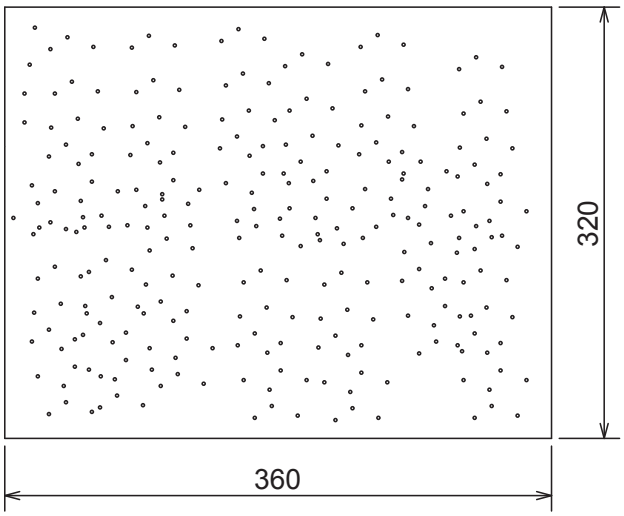
Applicable Models

- MSZ-LN18VGW
- MSZ-LN18VGV
- MSZ-LN18VGB
- MSZ-LN18VGR
- MSZ-LN25VGW
- MSZ-LN25VGV
- MSZ-LN25VGB
- MSZ-LN25VGR
- MSZ-LN35VGW
- MSZ-LN35VGV
- MSZ-LN35VGB
- MSZ-LN35VGR
- MSZ-EF18VGW
- MSZ-EF18VGB
- MSZ-EF18VGS
- MSZ-EF22VGW
- MSZ-EF22VGB
- MSZ-EF22VGS
- MSZ-LN50VGW
- MSZ-LN50VGV
- MSZ-LN50VGB
- MSZ-LN50VGR
- MSZ-LN60VGW
- MSZ-LN60VGV
- MSZ-LN60VGB
- MSZ-LN60VGR
- MSZ-EF25VGW
- MSZ-EF25VGB
- MSZ-EF25VGS
- MSZ-EF35VGW
- MSZ-EF35VGB
- MSZ-EF35VGS
- MSZ-EF42VGW
- MSZ-EF42VGB
- MSZ-EF42VGS
- MSZ-EF50VGW
- MSZ-EF50VGB
- MSZ-EF50VGS

※ "MAC-1001CL-E" is provided with MSZ-EF18/22/25/35/42/50VE3B as a standard component.

Dimensions

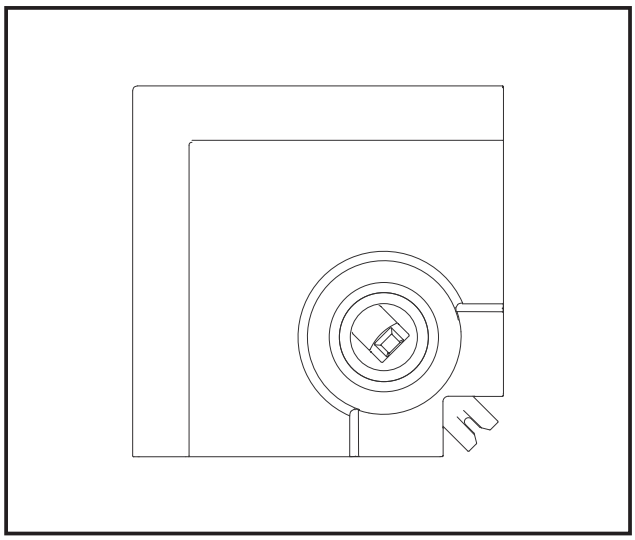
Unit : mm



Specifications

Fiber Composition	87% PET, 13% Nylon
Thickness	0.75mm
Weight	218 gsm
Total Absorption (%) Effective Absorption (%) **Tensile and Elongation** Tensile Machine Direction Tensile Cross Direction	575 450 19Kgf 13Kgf
Elongation Machine Direction Elongation Cross Direction	85% 100%
Laundering	Launderable to 60 °C
Shrinkage after 20 MW	9% or less

Figure



Descriptions

- A total of eight sensors rotate a full 360° in 3- minute intervals. In addition to ditecting body temperature, our original algorithm also detects the number of occupants in the room and their positions.
- Install the i-see Sensor corner panel to the corner of the decorative panel.

Applicable Models

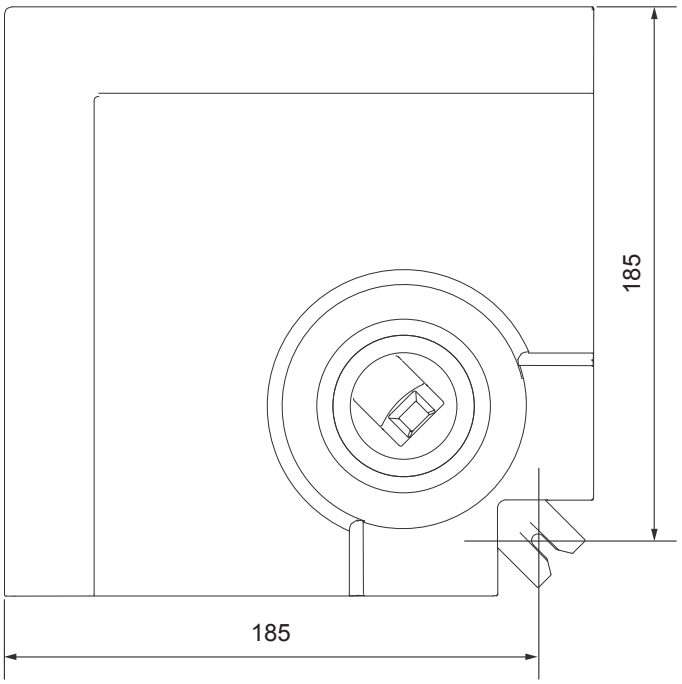
- PLA-ZM·EA series
- PLA-M·EA series
- PLA-SM·EA series

Specifications

Adapter wiring	Connect the 9-core cord with connector to the indoor controller board of the indoor unit.
Exterior	ABS resin (Munsell No.1.0Y9.2/0.2)

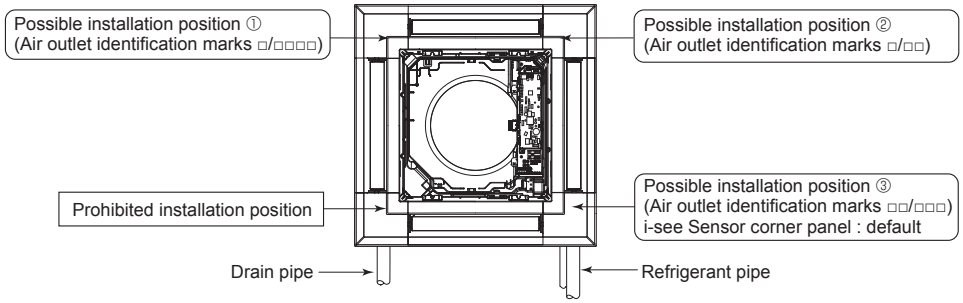
Dimensions

Unit : mm



How to Use / How to Install

• The i-see Sensor corner panel can be installed on any of the following positions among 1 to 3:

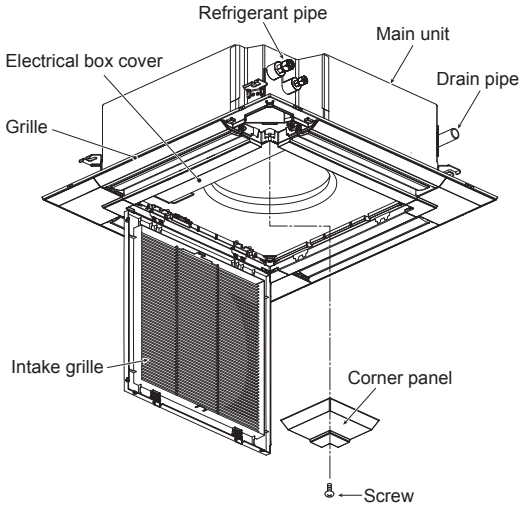


1 Preparation for installing i-see Sensor corner panel

1. Open the intake grille and remove the corner panel. The corner panel is at where refrigerant pipes are (where local wires are drawn into).
   The following explains procedures for the case of the possible installation position ③. When the position ① or ② is selected, remove the corresponding corner panel.

   Note:
   - Discard only the removed corner panel.
   - Reuse the screw of the removed corner panel to install the i-see Sensor corner panel.
   - When installing the i-see Sensor corner panel during grille installation, complete the wiring work of grille before proceeding to the following procedure.

Make sure to turn off the main power before work.

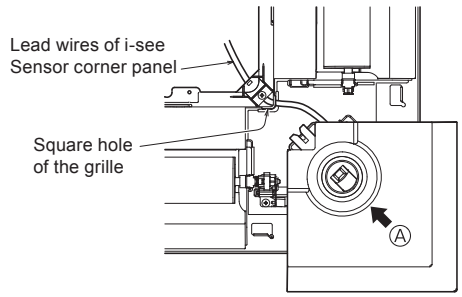


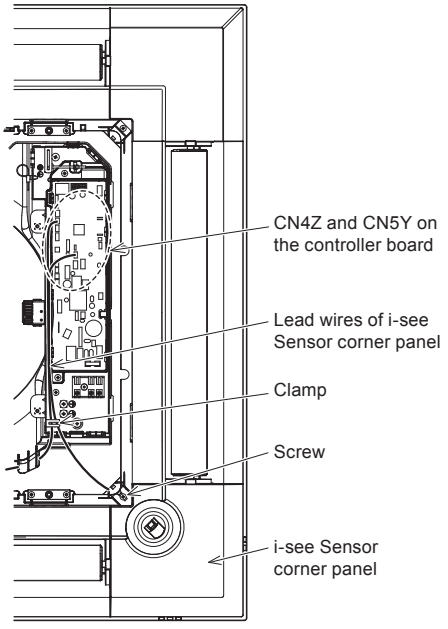
2. Loosen the 2 screws on the electrical box cover, and remove the cover by sliding; however, in this installation, the cover can hang temporarily.

2 Installing i-see Sensor corner panel

2-1 Installation procedure for possible installation position ③

1. Pull the lead wires of i-see Sensor corner panel from the square hole of the grille where the removed corner panel was.





2. Route the lead wire connector (white, 4 poles and white, 5 poles) of the i-see Sensor corner panel from the side of the electrical box on the main unit, and connect to the connector CN4Z and CN5Y on the controller board.

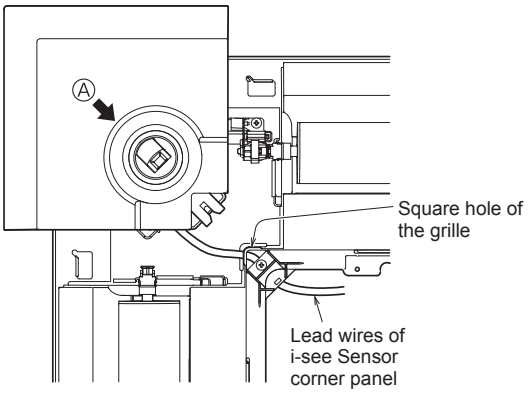
3. Use the clamp inside the electrical box to hold the lead wires for the i-see Sensor corner panel into the electrical box without slack.

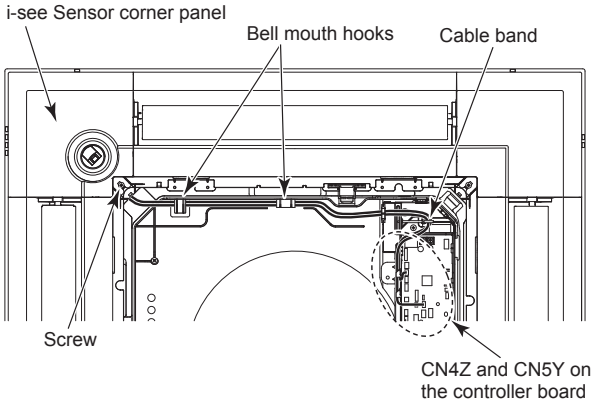
4. Slide the i-see Sensor corner panel towards the arrow A as shown in the figure above, and fix it with the screw.
   (Reuse the screw of the corner panel removed in the previous procedure.)

5. After the installation of the i-see Sensor corner panel is complete, re-install the electrical box cover and the intake grille as they were.

2-2 Installation procedure for possible installation position ①

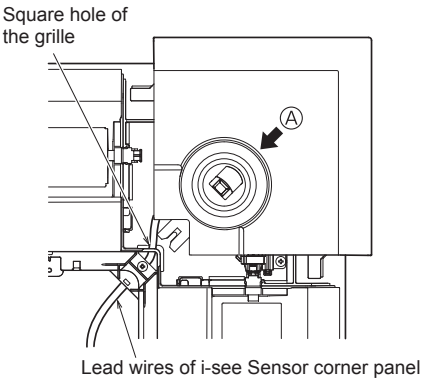
1. Pass the lead wire of i-see Sensor corner panel through the square hole of the grille located in the corner.
2. Route the lead wire connectors (white, 4 poles and white, 5 poles) of the i-see Sensor corner panel from the side of the electrical box on the main unit, and connect to the connectors CN4Z and CN5Y on the controller board.
3. Route the lead wires for the i-see Sensor corner panel through the bell mouth hooks on the main unit and fix the excess portions of the lead wires in the electrical box using the cable band, making sure that there is no slack in the lead wires.
4. Slide the i-see Sensor corner panel towards the arrow A as shown in the figure above, and fix it with the screw.
   (Reuse the screw of the corner panel removed in the previous procedure.)
5. After the installation of the i-see Sensor corner panel is complete, re-install the electrical box cover and the intake grille as they were.

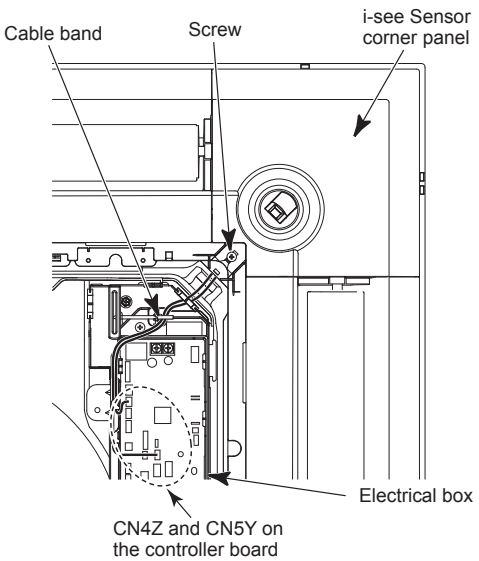




2-3 Installation procedure for possible installation position ②

1. Pass the lead wire of i-see Sensor corner panel through the square hole of the grille located in the corner.
2. Route the lead wire connectors (white, 4 poles and white, 5 poles) of the i-see Sensor corner panel from the side of the electrical box on the main unit, and connect to the connectors CN4Z and CN5Y on the controller board.
3. Fix the excess portions of the lead wires for the i-see Sensor corner panel in the electrical box using the cable band, making sure that there is no slack in the lead wires.
4. Slide the i-see Sensor corner panel towards the arrow A as shown in the figure above, and fix it with the screw.
   (Reuse the screw of the corner panel removed in the previous procedure.)
5. After the installation of the i-see Sensor corner panel is complete, re-install the electrical box cover and the intake grille as they were.





● Make sure to perform a function selection to set the position or the ceiling height of the i-see Sensor using the remote controller or DIP switches.

1) When used in combination with PLA-EA

Configuration will be done on the remote controller. For the function selection procedure and operation method, refer to “5. Service Menu” in the installation manual of the remote controller.

Select and configure units 01–04 or all units.

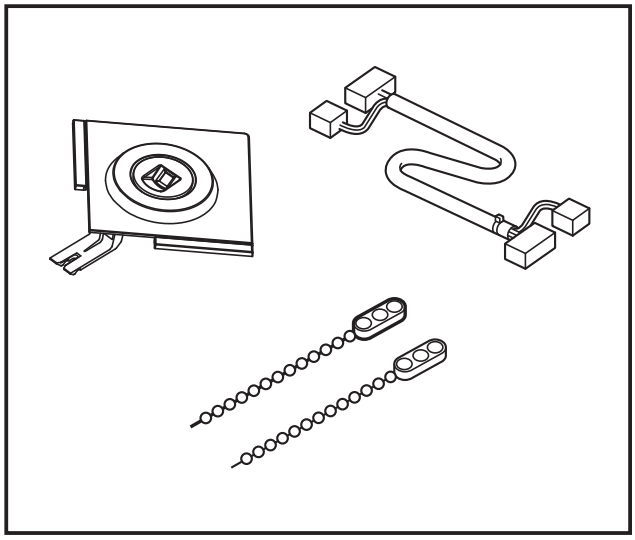
a) To configure the indoor unit of an independent system, select and configure unit 01.

b) To configure two, three, or four indoor units individually, select and configure each unit 01–04.

c) To configure two, three, or four indoor units simultaneously, select and configure all units.

Mode	Setting	Mode number	Setting number	Initial setting	Check*	Remarks
3D i-see Sensor positioning	Position ①	12	1			Corner with the air outlet identification marks □/□□□□
	Position ②		2			Corner with the air outlet identification marks □/□□
	Position ③		3	○		Corner with the air outlet identification marks □□/□□□
3D i-see Sensor ceiling height setting (when installing the 3D i-see Sensor panel)	Low ceiling	26	1			Ceiling height: less than 2.7 m
	Standard		2	○		Ceiling height: 2.7 – 3.5 m
	High ceiling		3			Ceiling height: 3.5 – 4.5 m

Figure



Descriptions

- Both floor and inlet temperatures are measured to provide a comfort sensation fully in a room covering from the ceiling to the floor surfaces.
- The i-see Sensor detects persons in the room and performs various control functions according to the remote controller settings.
- Install the i-see Sensor corner panel to the corner of the decorative panel.

Applicable Models

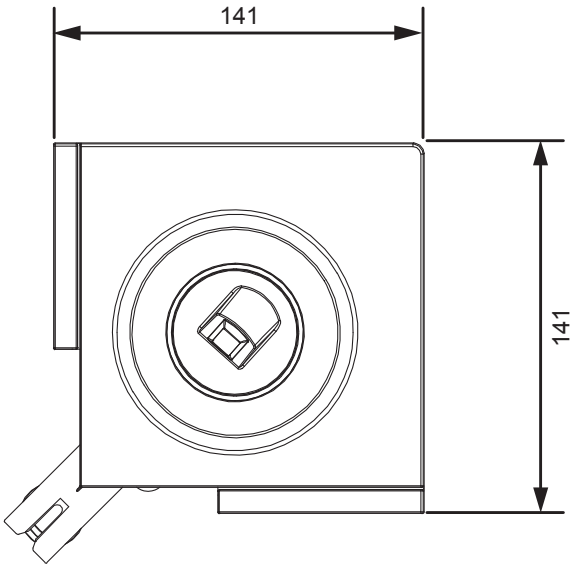
■ SLZ-M·FA series

Specifications

Adapter wiring	Connect the 9-core cord with connector to the indoor controller board of the indoor unit.
Exterior	ABS resin (Munsell No.1.0Y9.2/0.2)
i-see Sensor operation	The i-see Sensor rotates for approximately one minute once every three minutes.

Dimensions

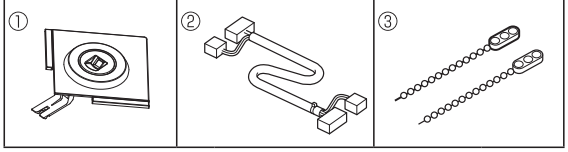
Unit : mm

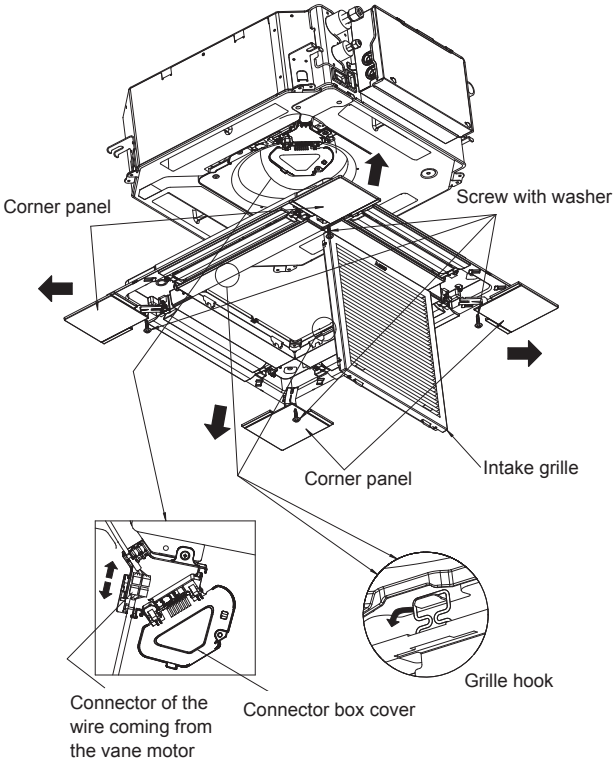


How to Use / How to Install

1. Accessories
Make sure that all the following accessories besides this installation manual are contained in the package.

Model		Accessory name	Q'ty
PAC-SF1ME-E	①	i-see Sensor	1
	②	Junction wire	1
	③	Fastener	2





2. Preparation for mounting i-see Sensor (The junction wire ② needs to be connected to the indoor unit.)
Note 1: Turn off main power supply to the indoor unit before installation.
Note 2: See the installation manual of the indoor unit in addition to this manual.

• Remove the grille from the indoor unit as described in the following procedure.
1) Open the intake grille, loosen the screws for the corner panels, and remove the corner panels.
2) Remove the screw for the connector box cover, and open the connector box cover. Disconnect the connector of the wire coming from the vane motor.
3) Remove the 4 screws fastened on the corners of the grille.
4) Disengage the 2 hooks of the grille from the indoor unit, and remove the grille.

• Perform the electrical work of the junction wire ② by referring to [Electricalwork] in the installation manual of the indoor unit.

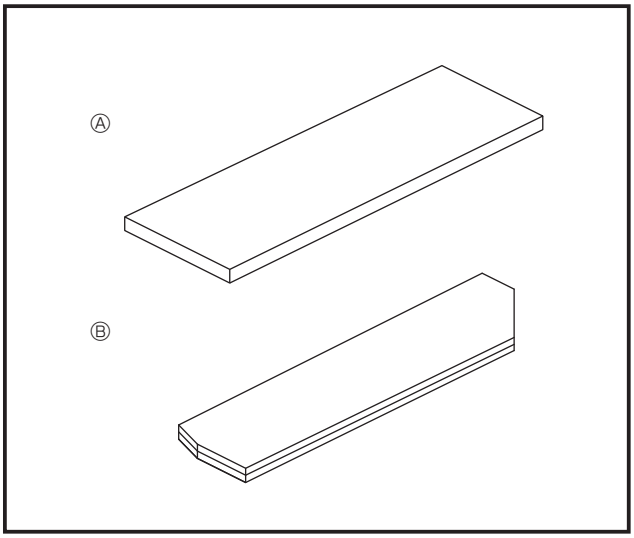
3. Mounting i-see Sensor
• Mount the i-see Sensor ① on either corner of the grille, which is marked with "○" or "□" by referring to [Installing the grille] in the installation manual of the indoor unit.
Note 1: "○" stamp : default i-see Sensor position.
Note 2: Discard the corner panel removed from the position indicated with "○" or "□".
Note 3: To change the position of the i-see Sensor from the position indicated with "○" to that indicated with "□", change the function setting (SLZ) or the switch (SW3-4) setting (PLFY).
• After mounting the i-see Sensor ①, close the connector box cover. Replace the 3 corner panels, the intake grille, in the reverse order of the removal described above.

4. Check
• Make sure that there is no gap either between the body of indoor unit and the grille or between the ceiling surface and the grille. The gap may cause dew formation.
• Make sure that the wires are connected properly.
• For i-see Sensor corner panel, check the rotating movement.
If the i-see Sensor does not rotate, see the procedure in [installing the grille] in the installation manual of the indoor unit again.

Air Outlet Shutter Plate

PAC-SJ37SP-E

Figure



Descriptions

Part to block the air outlet of a cassette-type indoor unit.

Applicable Models

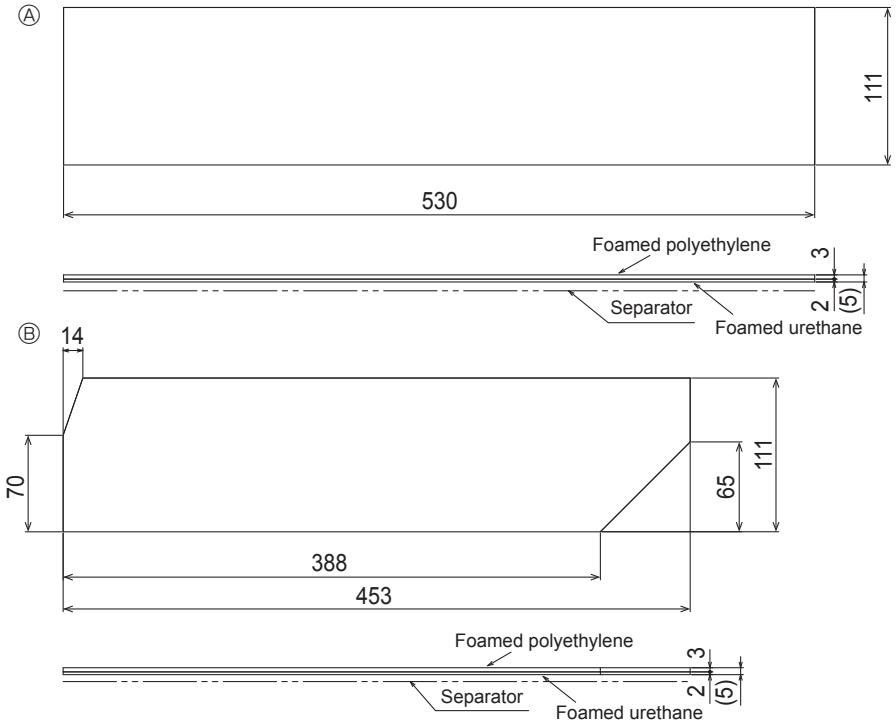
- PLA-ZM·EA series
- PLA-M·EA series
- PLA-SM·EA series

Specifications

Air outlet pattern	Number of shutter plates 4 directions → 3 directions: 1 4 directions → 2 directions: 2 (Change to 1 direction is not possible.) Note 1: Selecting "2 directions" requires cleaning of the filter approximately once. (Filter clogging may cause cooling/heating performance to drop.) Note 2: Selecting "3 directions" or "2 directions" may increase operating sound. Note 3: "2 directions" should not be selected when operating in high-temperature/high-humidity environment. (Dew formation or dewdrop may result.) Note 4: When set to "2 ways", the unit cannot be used with the optional high efficiency filter element. Note 5: When this air outlet shutter plate is installed, a draft reduction setting is not available.
Material	Foamed polyethylene + Foamed urethane
Color	Black
Installation method	Glued to the air outlet of the indoor unit.

Dimensions

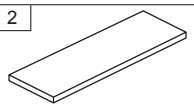
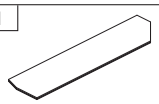
Unit : mm



How to Use / How to Install

Checking for provided parts

Make sure that the parts shown on the right are in this bag, along with the instruction sheet.

Part #, Name	① Shutter plate	② Shutter plate
Q'ty	2	1
Figure		

Air-outlet shutter plate Installation Manual

1. Locate the Shutter Plate installation position
- ●This is a part which is used to convert the number of air-outlet from "4 ways" to "3 ways" or "2 ways".
  Note: Convert to "1 way" is not available.
- ●Select the outlet direction and decide the outlet to be closed.
  Notes:
  1. When the number of outlet is selected to "2 ways", be sure to explain to the customer that the filter should be cleaned once a month.
     (Otherwise, the filter will be clogged, and the performance of the cooling and heating can be lower.)
  2. When the number of outlet is selected to "3 ways" or "2 ways", the operation noise can be larger.
  3. Never to select "2 ways" in the environment of high temperature and high humidity.
     (It can cause dew drops.)

2. Installation of shutter plate (Fig.1)
- ●Install the shutter plate to the indoor unit so that it can fit the air-outlet concave portion.
  Notes:
  1. Install one piece of Shutter plate ① per one air-outlet.
  2. The installation should be done before the grille is installed.
  3. The shutter plate must be installed not to cause wrinkle or gap.
     (It can cause dew drops.)
  4. When attaching the shutter plate to the blow outlet (marked ★) between the refrigerant piping and the drain pump, attach the shutter plate ②.

3. Function setting
- ●When the number of air-outlet is changed, it is necessary to make function selection.
  For the setting method, refer to the installation manual of the main unit.

4. Setting of the auto vane (Fig.2)
- ●It is possible to fix the auto vane of the grille to the fully closed position, which is applied to the air-outlet installed on the shutter plate.
  Once the auto vane is fixed, the operation of a remote controller and all of automatic control will not be available.
  Note that the fixed vane angle differs from the one which is displayed on the remote controller.

Fig.1

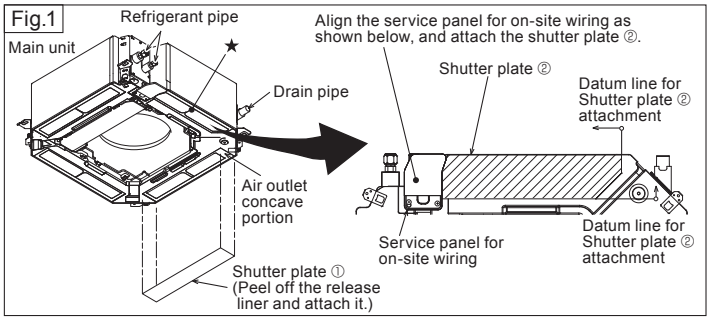
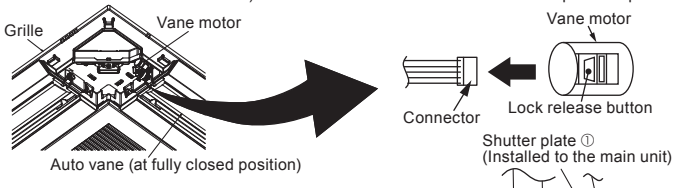


Fig.2

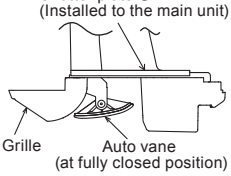
1) Turn OFF the main power (earth leakage breaker).

⚠Warning
- Turn OFF the main power.
- ●The fan of the unit will run, which can cause accident or electric shock.

2) Disconnect the vane motor connector from the grille of which the shutter plate ② is attached to its air outlet. (To disconnect, press the lock release button while pulling the connector toward the arrow as shown below.) Insulate the disconnected connector with plastic tape.

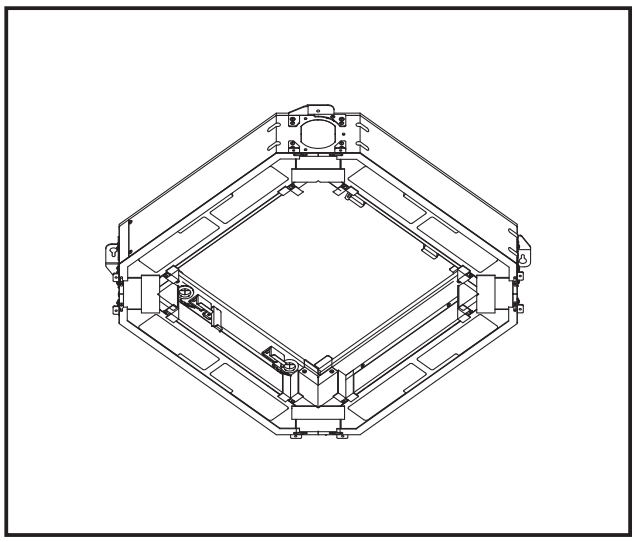


3) Slowly move the auto vane of which the shutter plate is attached to its air outlet, and fully close.



⚠Caution
- Do not fully close the auto vane if no shutter plate I attached to its air outlet.
- ●Otherwise, dew formation or dew drop, or a unit malfunction may result.

Figure



Descriptions

A part required installation of a high-efficiency filter element.
Can also be used for introducing fresh air from outdoor.

Applicable Models

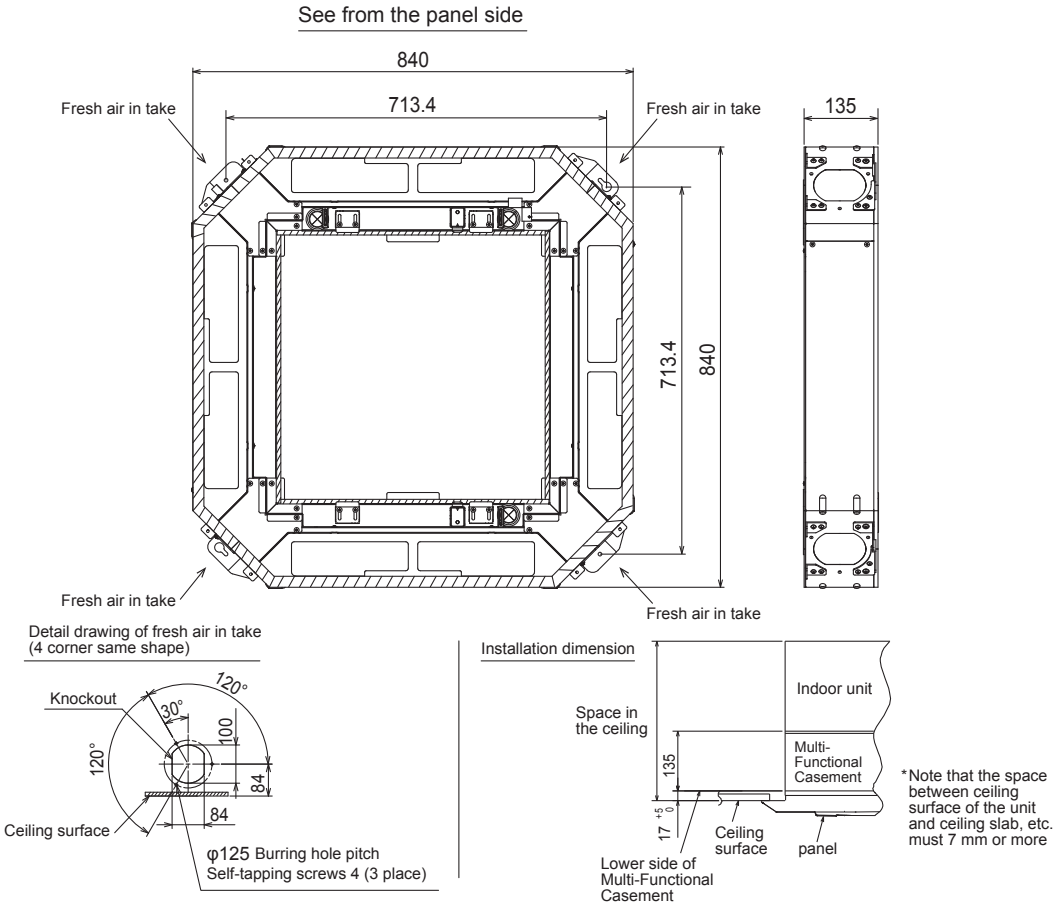
- PLA-ZM·EA series
- PLA-M·EA series
- PLA-SM·EA series

Specifications

Connected duct diameter (mm)		
Fresh air intake	Number of intakes	Any 2 corners or less (among four corners)
	Input volume	20% or less of indoor units air volume
High-performance filter element(Optional parts)		Colorimetric method (65%)

Dimensions

Unit : mm

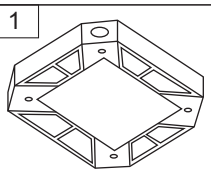
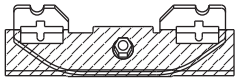


How to Use / How to Install

1 Parts check

(The unit is provided with this manual and following parts in the box.)

MULTI-FUNCTIONAL CASEMENT

Part No., Name	① Multi-functional casement	② Screw with washer (black)	③ Screw	④ Grille securing bracket
Q'ty	1	4 M5×0.8×25	8 M5×0.8×12	4 With insulator
Figure				

NOTICE

(1) When taking in fresh air from outside, use the PAC-SH65OF-E duct flange (optional).
In addition, procure following items at local site: duct fan, duct, and dust collecting filter.
Intake-air volume should be 20% or less of indoor unit air volume.
Note: It is available of fresh-air intake even when the High-efficiency filter element is installed.
(2) Follow the procedure in this installation manual of the Multi-functional casement ①.
Otherwise, it is possible that installation of refrigerant pipes, drain pipe, and electrical wiring will not be available.

2 Installation of Main unit

●Follow the procedure in the installation manual which is attached to the main unit.

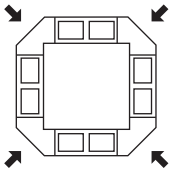
3 Installation of Multi-functional casement

Preparation before installation

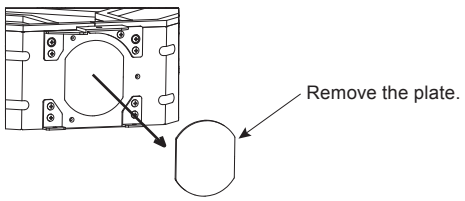
●An optional part Shutter plate to change the number of air outlet is to be installed on the main unit of the indoor unit; thus install the shutter plate before installing the Multi-functional casement ①.

●The Multi-functional casement ① has 4 knockout on each side so that the fresh air can be taken from any of four sides. Select any one or two sides in advance and make knockout holes on the Multi-functional casement ①.

—— Knockout hole position for fresh-air intake. ——



—— Making knockout holes ——



●Be sure to use the PAC-SH65OF-E (optional) for duct flange.

3 Installation of Multi-functional casement

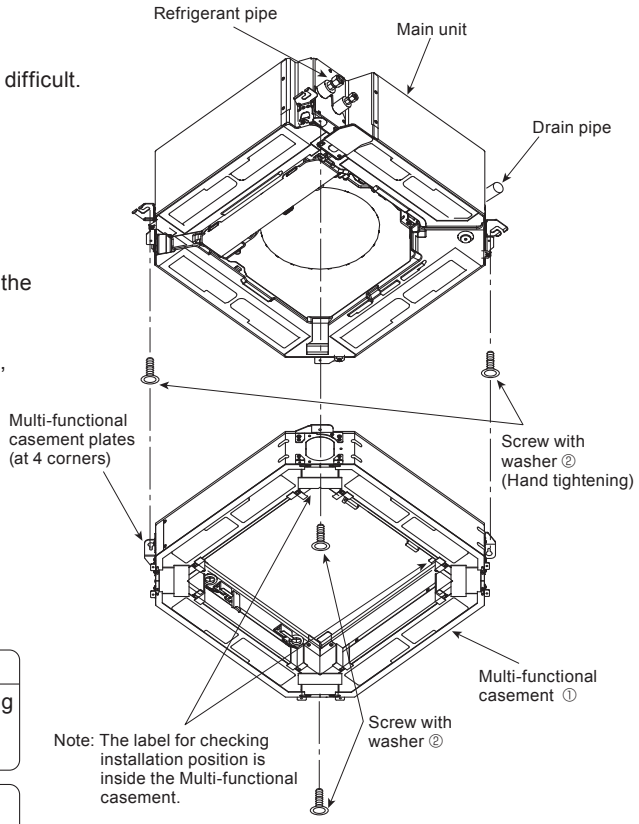
Electrical work of main unit

●Be sure to do the wiring (indoor/outdoor unit connection cable, remote controller cable, etc.) before installing the Multi-functional casement ①:
Note: Wiring after installing the Multi-functional casement ① will be difficult.

Temporary installation

Note: Be sure to use two persons for this work.

●Fix the 2 screw with washer (black) ② to each position. (drain pipe corner position and to its opposite corner).
●Align the direction of the Multi-functional casement ① according to the label for checking the installation position attached inside the Multi-functional casement ①.
Note: If installed in improper direction, parts damage, wind leakage, or dew drop may result.
●Hook the hole of the Multi-functional casement ① to the screw with washer (black) ② and hand tight.



Fixing

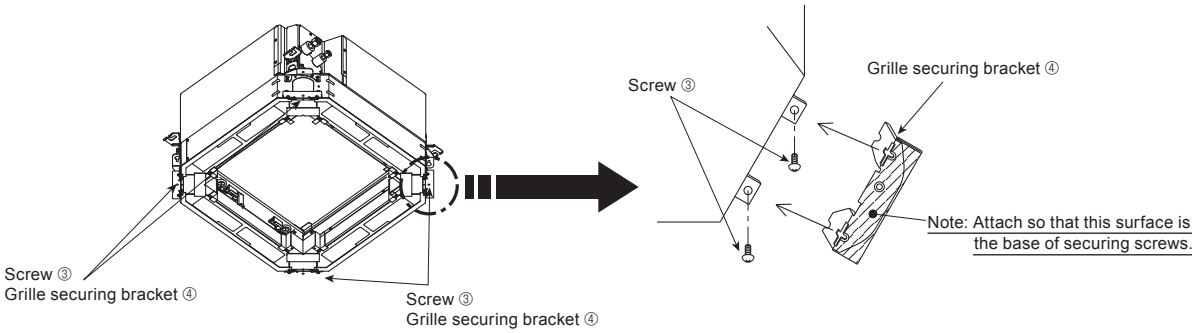
●Temporarily secure the 2 screws with washers ②, and also the other 2 screws with washers ②, and then tighten these screws with washers ② after making sure that the position of Multi-functional casement ① is correct.

⚠Caution	Temporarily secure the 4 screws with washers.
	●Tightening the screws without temporarily securing them could damage the screws with washers, or cause air leakage.

⚠Caution	When tightening the screw with washer ②, tighten it at a torque of 2.8 to 3.6 N•m (2.1 to 2.6 ft•lbs) or less. Never use an impact screwdriver.
	●It may result in parts damage.

Attaching bracket for securing grille

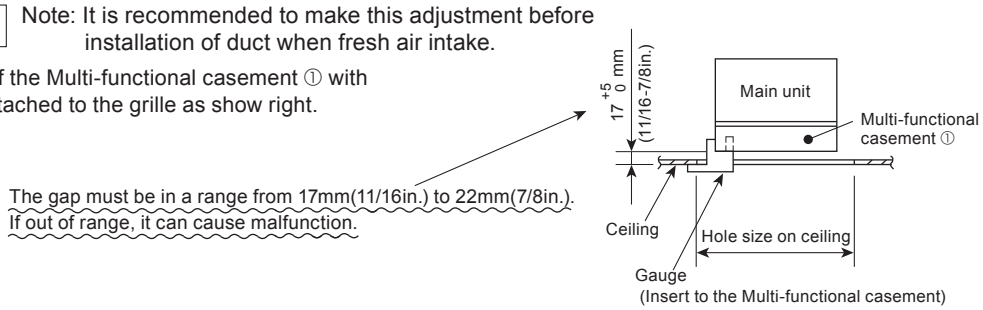
●Use 8 screws ③ to secure the 4 Grille securing brackets ④ to each corner of Multi-functional casement ①. (See the figure below.)



Height adjustment

Note: It is recommended to make this adjustment before installation of duct when fresh air intake.

●Readjust the height of the Multi-functional casement ① with the gauge which is attached to the grille as show right.



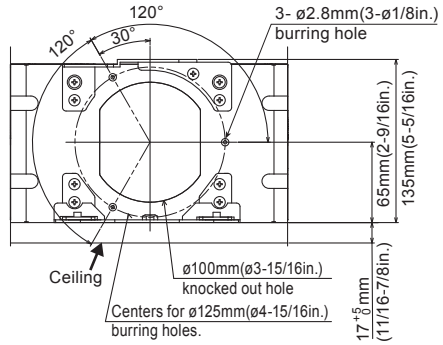
4 Installation of duct (in case of fresh air intake)

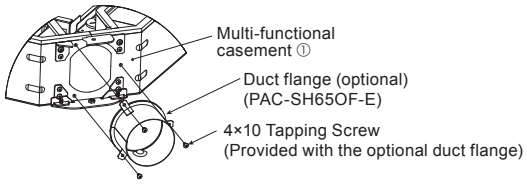
Installation of duct flange

- Install the optional duct flange referring to the installation manual provided with it.

⚠Caution	Linkage of duct fan and air conditioner.
	• In case that a duct fan is used, be sure to make it linked with the air conditioner when outside air is taken. Do not run the duct fan only. It can cause dew drop.

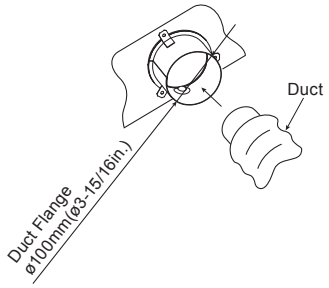
Details of air inlet (Example)





Installation of duct (should be prepared locally)

- Prepare a duct of which inner diameter fits into the outer diameter of the duct flange.
- In case that the environment above the ceiling is high temperature and high humidity, wrap the duct in a heat insulator to avoid causing dew drop on the wall.
- A duct must be procured at local site for dust collecting filter since the dust contained in the outside air taken into the indoor unit is not removed without such filter.

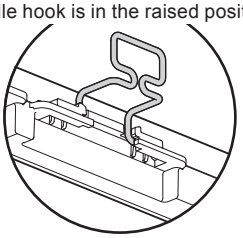


5 Installation of grille

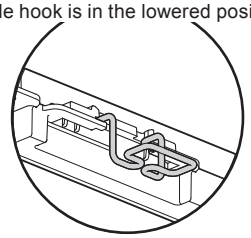
Preparation for temporarily hanging the grille

- Check that the 2 temporary hanging hooks on the grille are in the raised position.

<Grille hook is in the raised position>



<Grille hook is in the lowered position>

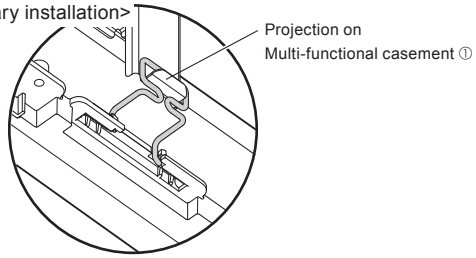


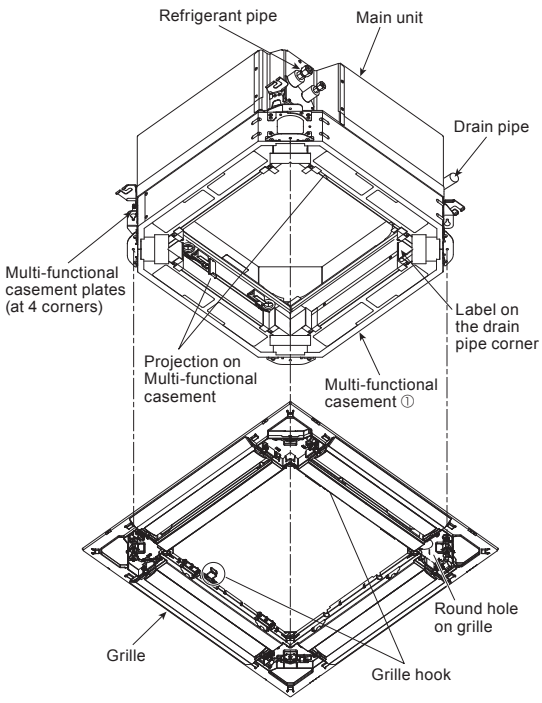
Temporary installation of the grille

- Align the label attached on the drain pipe corner of the Multi-functional casement to the corner with the round hole of the grille, and temporarily install the grille by latching the grille hooks onto the projections on the Multi-functional casement ①.

Notes:
1. Make sure electrical wires are not caught between the Multi-functional casement and the grille.
2. Never force pressure on the grille during the temporary installation. It may result in accident and damage.

<A grille in temporary installation>





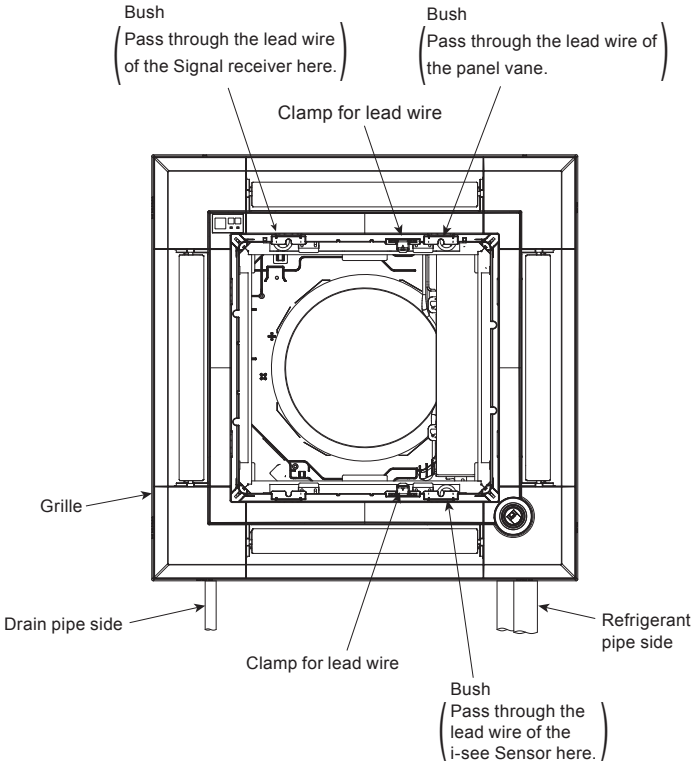
5 Installation of grille

Fixing the grille

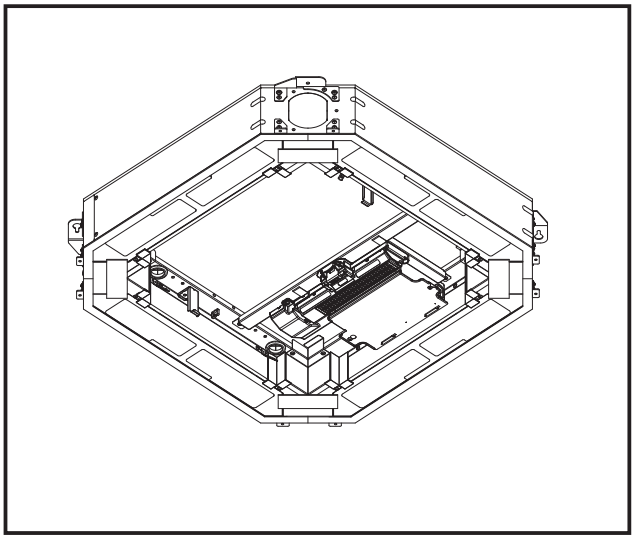
- Refer to the installation manual of the main unit for the installation.

Electrical work

- For lead wires of the grille the Signal receiver, and the i-see Sensor make sure that they passed through the bush on the Multi-functional casement, as shown in the right figure, and connect to the main unit.



Figure



Descriptions

A Part to purify the inhaled air.
It can also be used for introducing fresh air from outdoor.

Applicable Models

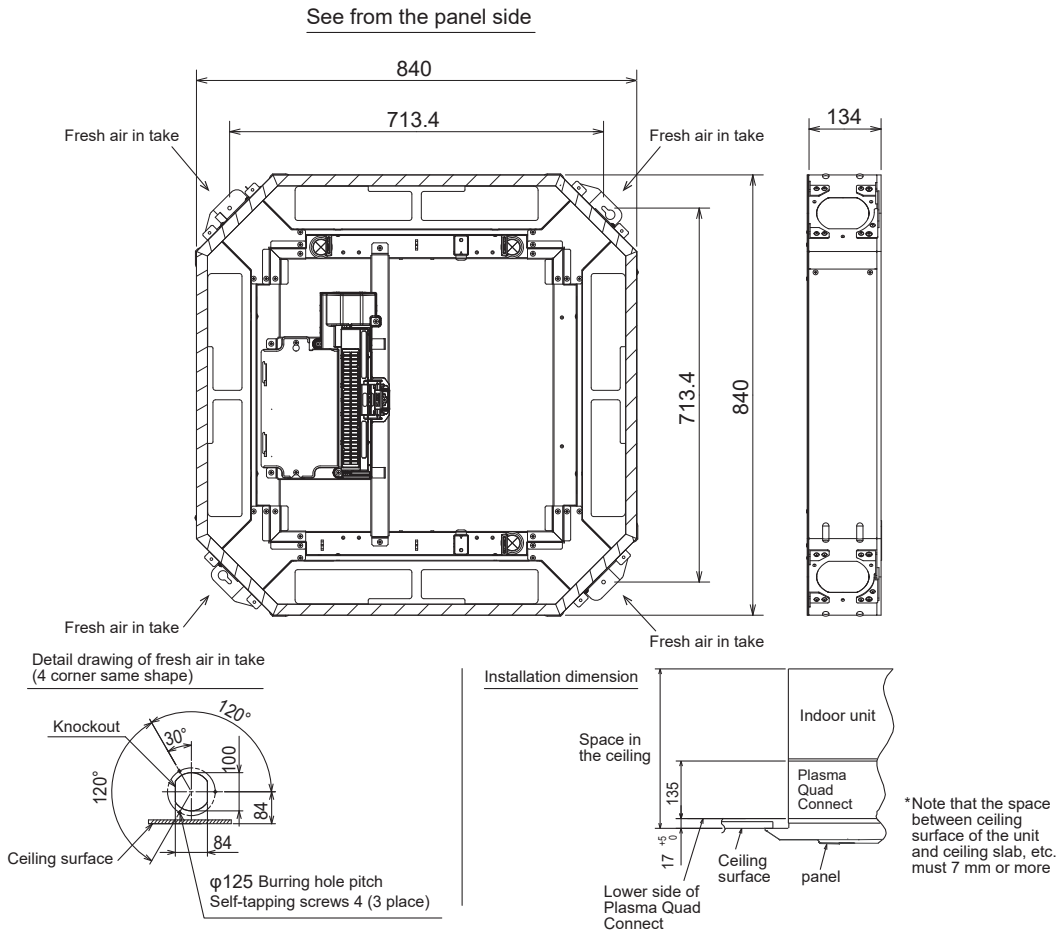
- PLA-ZM·EA series
- PLA-M·EA series
- PLA-SM·EA series

Specifications

Connected duct diameter (mm)		
Fresh air intake	Number of intakes	Any 2 corners or less (among four corners)
	Input volume	20% or less of indoor units air volume
Air purifying equipment		Plasma element

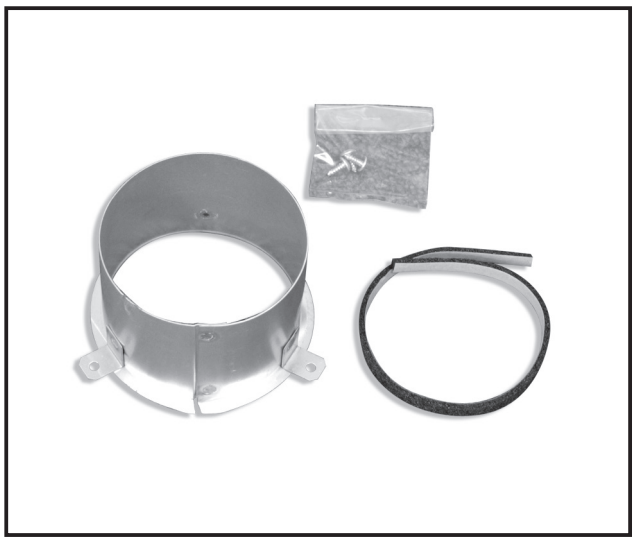
Dimensions

Unit : mm



Duct Flange for Fresh Air Intake PAC-SH65OF-E

Photo



Descriptions

Part to attach a duct to take in fresh air from outdoors.

Applicable Models

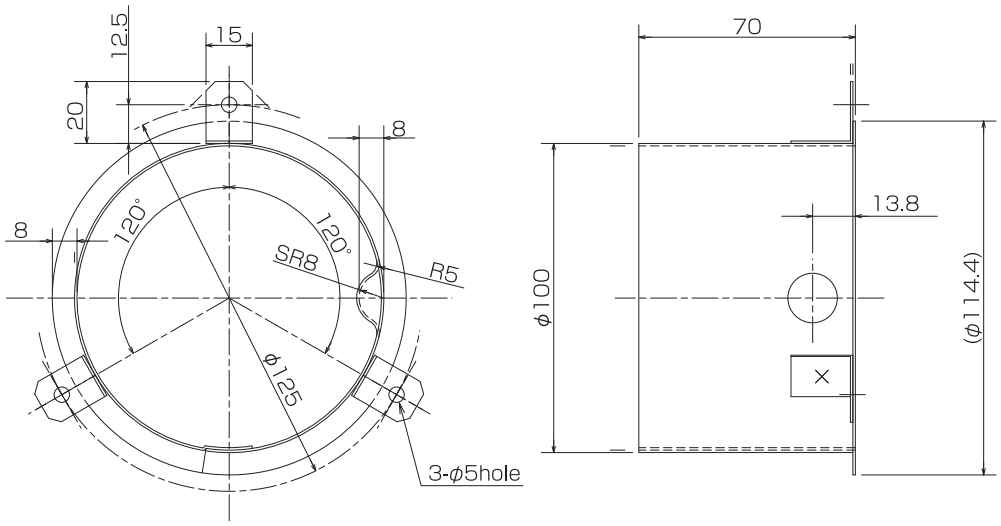
- PLA-ZM·EA series
- PLA-M·EA series
- PLA-SM·EA series

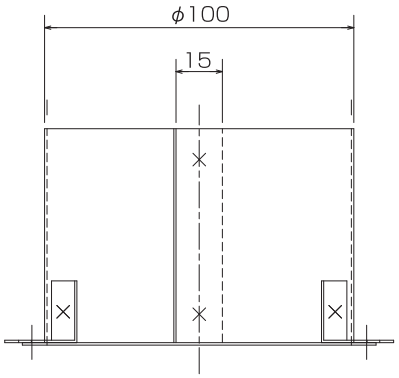
Specifications

Connection duct diameter (mm)	ø100
Material	Hot-dip zinc-coated carbon steel sheet (t0.8)
Accessory	Insulator, Fixing screw (ST4x10)x3

Dimensions

Unit : mm

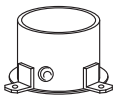
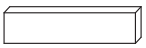




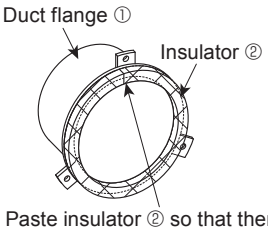
How to Use / How to Install

1. Checking Parts

(This box contains the installation manual and the following parts)

Part	①Duct flange	②Insulator	③Screws(M4×10)
Qty	1	1	3
Shape			

2. Attaching Duct Flange for External Air Input



Paste insulator ② so that there is no gap at joints.

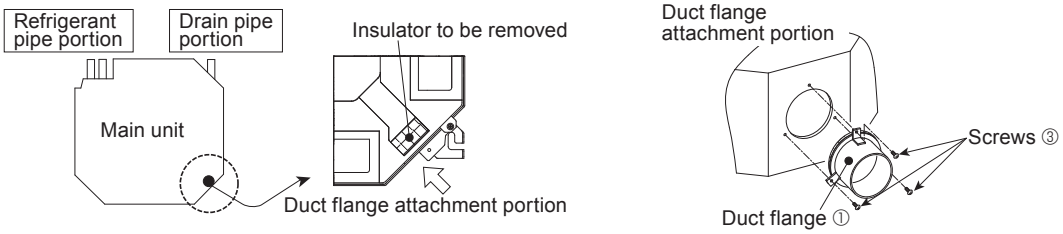
1) Punch an opening for the duct flange.
   <When attaching to main unit>
   • Cut the slit of the ø100 cut-out hole to which the duct flange is to be attached.
   <When attaching to Multi-functional casement>
   • Remove the ø100 knockout hole to which the duct flange is to be attached.
2) Paste insulator ② on the duct flange ① (see the figure on the right).
3) Use 3 screws ③ to attach duct flange ① (see the figure below).

Note:

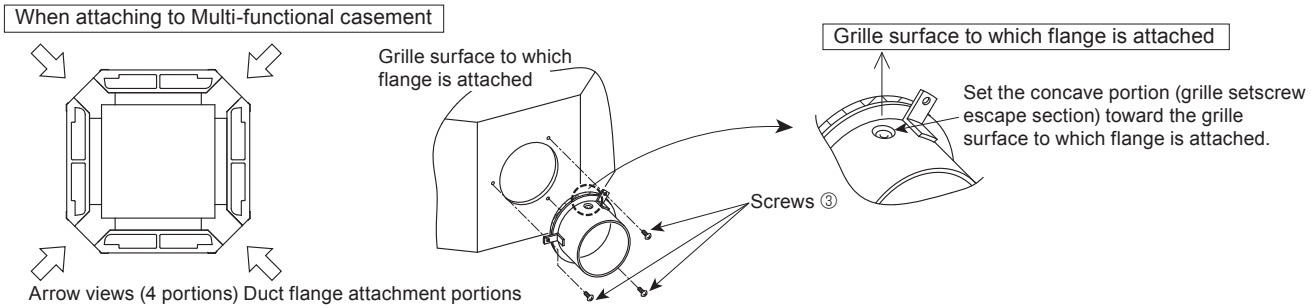
1. When attaching to the main unit, **be sure to remove the insulator** that is pasted on the location of main unit (shown in the figure below).
2. When attaching to Multi-functional casement, be sure to **set the concave portion of duct flange ① toward the grille attachment surface when attaching it**. (If the duct flange is attached to a location other than the specified one, the grille cannot be attached.)
3. When external air is input directly through the main unit, intake-air volume should be 5% or less of indoor unit air volume.
4. When external air is input through the Multi-functional casement, intake-air volume should be 20% or less of indoor unit air volume.
5. To input the external air, the duct fan and dust collecting filter to prevent drawing in dust and other particles are necessary.
   For details, see “Fresh air intake volume & static pressure characteristics” in the P series DATA BOOK.
6. When external air is input into the main unit, the operation noise can be larger.

When attaching to main unit

• For the E type 4-way cassette〔PLA-ZM・EA,PLA-M・EA,PLA-SM・EA〕



When attaching to Multi-functional casement



Duct Flange for Fresh Air Intake PAC-SF28OF-E

Photo

Descriptions

Part to attach a duct to take in fresh air from outdoors.

Applicable Models

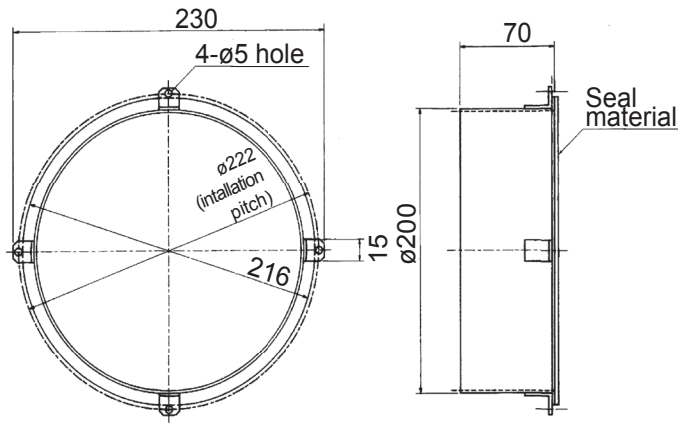
■ PCA-M71HA

Specifications

Connecting duct diameter (mm)	200
Material	Hot-dip zinc-coated carbon steel sheet (t0.8)
Accessory	Fixing screw (ST4x10) x 4

Dimensions

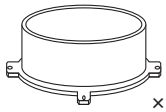
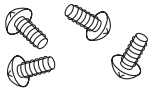
Unit : mm



How to Use / How to Install

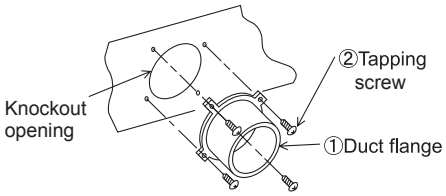
1. Checking Provided Parts

※Make sure that you have all the following parts before installation:

①Duct flange	②Tapping screws (4x10)
 ×1	 ×4

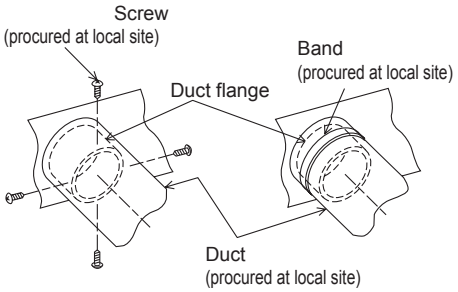
2. Duct Flange Installation Procedure

1. Punch out the knockout opening for installing duct on indoor unit.
2. Use the provided tapping screws ② to secure duct flange ①.

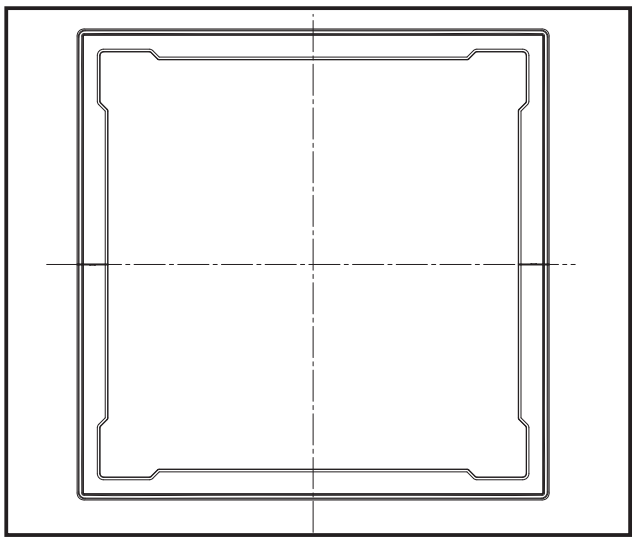


3. Duct Installation Procedure

1. Securely fix the duct (with inner diameter 200 mm) procured at local site to the duct flange, using screws or band.



Figure



Descriptions

Enables to install cassete-type indoor units even if the ceiling height is low.
A part to the panel 40 mm lower than the ceiling surface.

Applicable Models

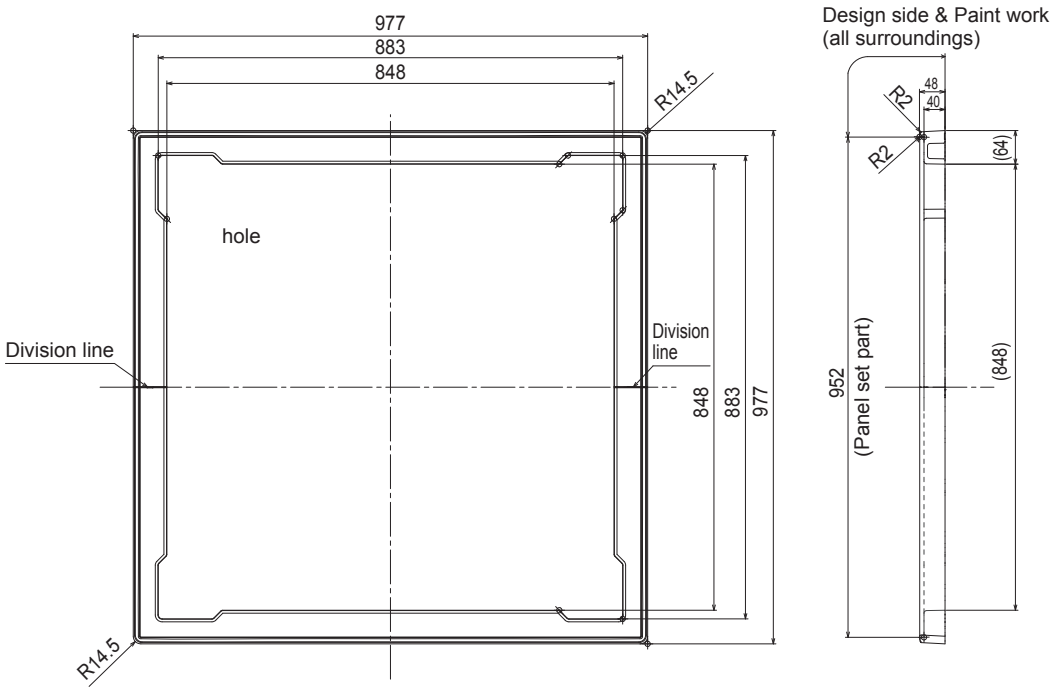
- PLA-ZM·EA series
- PLA-M·EA series
- PLA-SM·EA series

Specifications

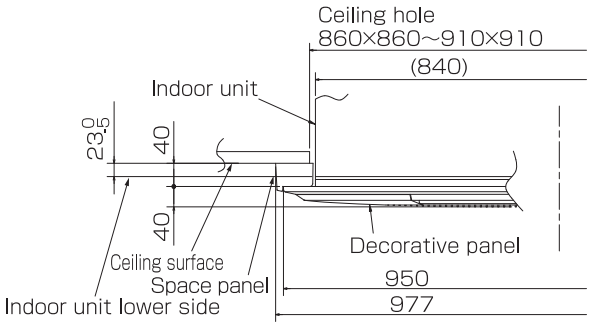
Exterior	Color	Munsell No.1.0Y9.2/0.2
	Surface treatment	Coating
	Material	Styrofoam

Dimensions

Unit : mm



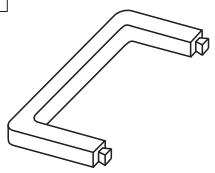
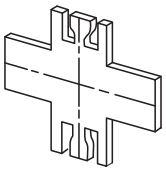
Installation dimension



How to Use / How to Install

1. Checking packed parts

Make sure that you have all the following parts, in addition to this manual in this box:

Part No. /Part name	① Space panel	② Gauge for installation
Quantity	2	1 (Split this into four pieces)
Shape		

2. Installing space panel

- Install before installing decorative panel.
- This space panel is to be installed on decorative panel before installing on unit body. (If decorative panel has already been installed, remove it.)

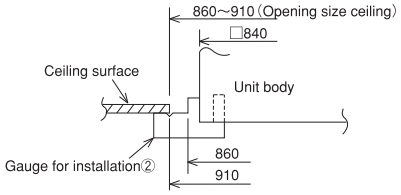
Preparation for installation

(1) Checking size of opening in ceiling

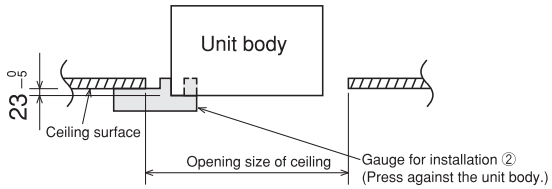
- Make sure that opening in ceiling is within the range shown below: 860×860～910×910

(2) Positioning of ceiling surface and unit body

- Divide the provided gauge for installation ② into four parts, and insert it into the unit or outlet of Multi-functional casement. Place the unit in the center of opening in ceiling, referring to the figure below.



- Using provided gauge for installation ②, position the ceiling surface and unit body. If position of ceiling surface and unit body does not match, it may result in leak of draft, drip of dewdrops and incorrect operation of horizontal vane of decorative panel, etc.

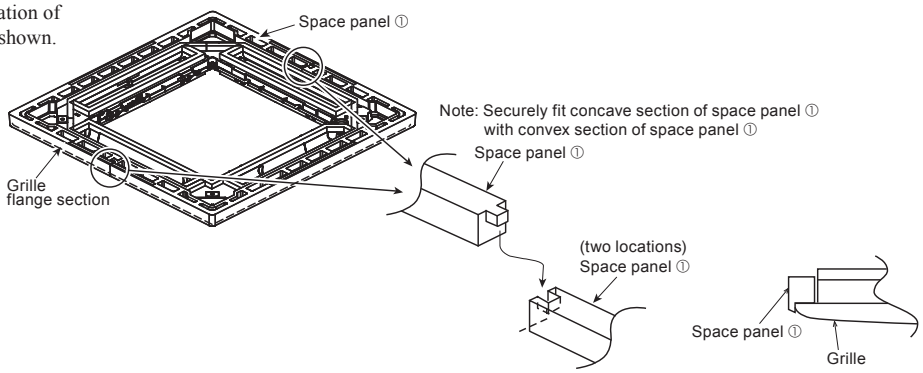


Setting the decorative panel and space panel

- Place the space panel ① (two locations), matching the flange section of decorative panel, and assemble space panel ① on the decorative panel and then set them.

※ Be sure to assemble space panel ① on the decorative panel: If assembled incorrectly, space panel ① may break.

※ As an example, the in illustration of the E type 4-way cassette is shown.

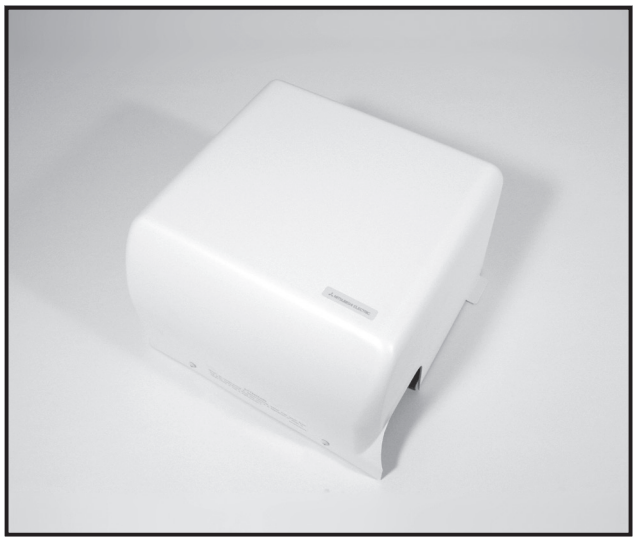


Installing on the unit body

- The procedures are the same as those for decorative panel. Install the assembled set, referring to the installation manual for decorative panel.

Drain Pump for Wall Mounted models PAC-SH94DM-E

Photo



Descriptions

Raises drain generated during unit's operation to secure the appropriate angle of the drain pipe.

Applicable Models

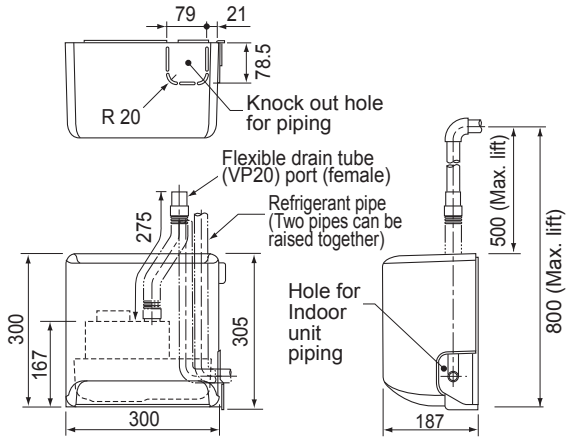
- PKA-M60KA
- PKA-M60KAL
- PKA-M71KA
- PKA-M71KAL
- PKA-M100KA
- PKA-M100KAL

Specifications

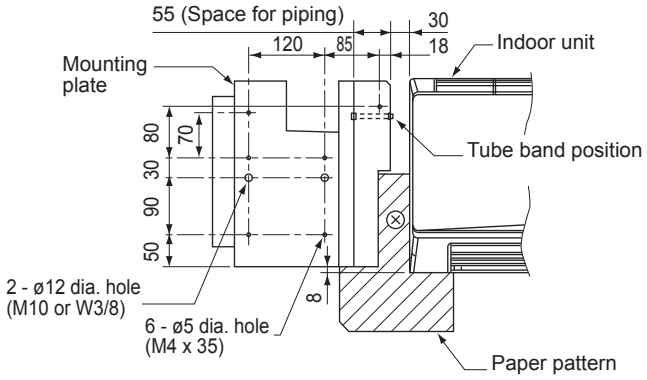
Rated voltage	220-240V 50Hz / 60Hz
Power consumption	12 / 10.8W
Operating current	0.114 / 0.092A
Discharge lift	Max. 500 mm from drain pump's top surface
Discharge rate	24ℓ/h or more
External dimensions (mm)	300 (H) x 300 (W) x 187 (D)
Exterior	Cover : ABS resin (Munsell 6.4Y 8.9/0.4)
Driving motor	Single, shading type (Class E insulation)
Drain piping	Connected to drain outlet. PVC pipe VP-20 (O.D. 26) can be used

Dimensions

Unit : mm



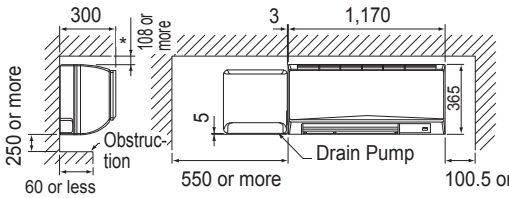
Dimension of Mounting plate



Required space for installation of Drain Pump

[Maintenance space]

* In case that there is a rim at the corner of ceiling, consider the dimension of the rim before installation.



* The same space is required for the left front and rear piping.

Accessories

(Make sure of the following items attached with the Drain Pump before installation.)

(A) Drain Pump	(B) Screw	(C) Drain tube	(D) Drain tube cover	(E) Tube clip	(F) Pull tight	(G) Paper pattern	(H) Wiring plate
x 1	(M4 x 16) x 1 (M4 x 35) x 6	x 1	x 1	x 1	x 1	x 1	x 1

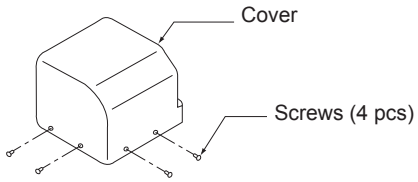
* The items (B) – (F) are packed between main body and cover of the Drain Pump. Take them out after the cover removed.

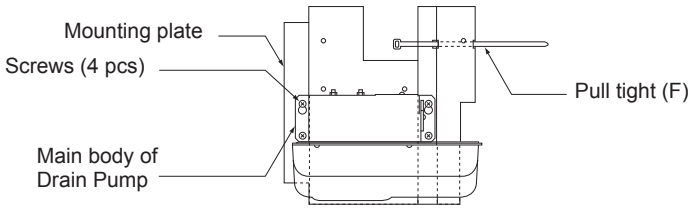
How to Use / How to Install

1. Before installation of the Drain Pump (* Position the indoor unit first.)

1-1 Set up of the Drain Pump

- Remove the cover and the mounting plate which is fixed on the back of the Drain Pump each.
  * The packaging material which is put between the cover and the main body of Drain Pump is only for cushion for transportation. Take it out as it is unnecessary.
  * Take out the accessories.
- Run the pull tight (F) attached through the square hole on the mounting plate.
- Cut the knock out hole on the cover with a nipper and etc.



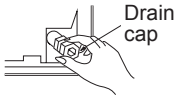


* The screws removed will be used later. Keep them not to lose.

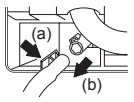
1-2 Set up and installation of the indoor unit (* See the item of piping connection set up in the installation manual of the indoor unit.)

(1) Make the knock out hole for left side piping on the left side panel of the indoor unit.

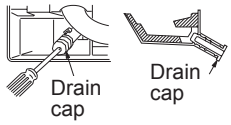
(2) Pull out the drain cap from the left drain outlet.
- Hold the convex section at the end and pull the drain cap.



(3) Remove the drain hose from the indoor unit.
- Hold the end of the drain hose (a) (marked by the arrow) and pull the drain hose out (b).

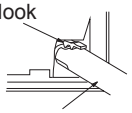


(4) Insert the drain cap into the right drain outlet.
- Insert a screwdriver or similar tool into the hole at the end of the cap and insert the cap fully into the outlet.



(5) Insert the accessory drain hose (C) into the left drain outlet.
- Insert the hose up to the base of the drain pipe connection opening.

* Make sure that the hook on the drain hose is securely caught on the projection in the opening in the drain pan.



(6) Install the indoor unit.

⚠ CAUTION	**The indoor unit must be installed horizontally.**
	Otherwise, the water can leak and it will make the wall dirty.

2. Installation of the Drain Pump

2-1 Fixing of the mounting plate

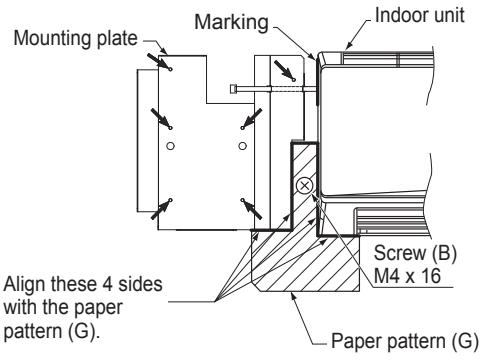
- The installation place should be carefully considered if it is proper for installation. If it is not strong enough to hole the unit, make it stronger by using board or beam before installation.

(1) Decide the installation position of the mounting plate by using the paper pattern (G) attached.
(* The left end of the indoor unit should be marked in advance.)
  1) Fix the paper pattern on the wall with the screw (B) (M4 × 16) attached with putting it to the left end of the indoor unit for positioning of the Drain Pump as shown in the drawing.
  2) Position the mounting plate with pushing it against the paper pattern.

(2) Fix the mounting plate with the screws (B) (M4 × 35) attached. Fix the mounting plate using the 5 dia. holes.
(6 locations pointed by arrows in the drawing.)
In case that the mounting plate is fixed by fixing bolts (through bolts, bolt anchors, or nut anchors), get M10 or W3/8 screws locally and put them into two ø 12 holes of the mounting plate to fix it.

(3) When the mounting plates is installed, remove the paper pattern.

(4) Check that the mounting plate is level and positioned correctly with the indoor unit. (Refer to Dimensions)

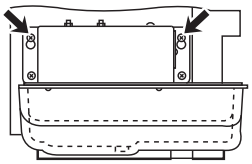


2-2 Installation of the Drain Pump

- Fix the Drain Pump on the mounting plate

(1) Install the screws to the 2 upper holes (indicated by the arrows shown in right figure) of the mounting plate by hand tightening them about halfway, and then hook the Drain Pump on the screws.

(2) Level the Drain Pump by using a spirit level. Then tighten the 4 screws securely to fix the Drain Pump.



⚠ CAUTION	**The Drain Pump must be leveled.**
	Otherwise, the water leaks and it makes wall dirty.

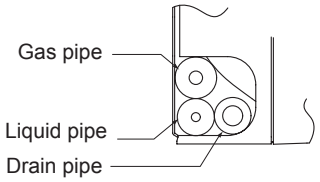
3. Installation of refrigerant piping (* See the item of refrigerant piping connection in the Installation of the indoor unit.)

(1) Install the refrigerant piping using the left piping method.

(2) When the refrigerant piping and drain pipe are routed vertically together, route the piping through the space in the mounting plate.

- Be sure that the indoor unit must be positioned at the place where was marked at 2-1.
- The bending radius of the refrigerant pipe must be R80 or less.
- The tube raised should be fixed with the pull tight which was put through the square hole of the mounting plate.

(3) Position the refrigerant piping in the left piping space of the indoor unit as shown in right figure.



4. Installation of drain piping

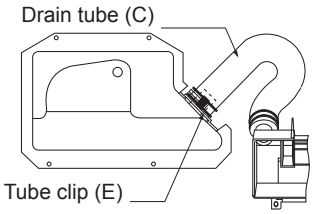
4-1 Connection of drain tube

(1) Connect the drain tube (C) which is installed to the left side drain port of the indoor unit to the drain port of the Drain Pump.

(2) Fix the connection port securely with the tube clip (E) attached.

(3) Connect the flexible drain tube, which is run from the top panel of the Drain Pump, to the local drain piping. The part connected must be closed by vinyl chloride type glue.

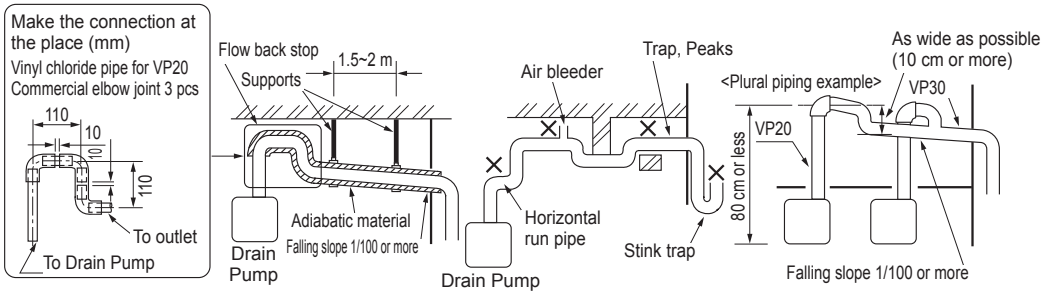
(4) Insulate the flexible drain tube which is run from top panel of Drain Pump with the drain tube cover (D) attached.



4-2 Installation of drain piping

(1) The drain pipe should be installed in accordance with the following procedure.

- The drain pipe should be installed so that the outdoor side (drain side) becomes falling slope (1/100 or more) and do not make trap or peaks.
- The horizontal run of the drain pipe should be 20 m or less. In case that the tube is crosscut sawing for long distance, some support brackets should be installed to prevent the pipe from being wavy. Never install the air bleeder. The drain will blow out.
- The hard vinyl chloride pipe VP20 (outer dia. 26 mm) should be used for the drain pipe. And the part connected must be closed by vinyl chloride type glue to prevent water leak.
- Be sure to wrap the drain pipe with adiabatic material (foam polyethylene: specific gravity 0.03, thickness 9 mm or more) available on the market.
- Do not install stink trap to the outlet of the drain pipe.
- The outlet of the drain pipe should be installed the place where it is not possible to cause stink.
- In case that plural drain pipes are installed, install the main pipe so that it comes approximately 10 cm lower than the drain outlet and the pipes must be made of material of VP30 or similar and they should be falling slope (1/100 or more).
- It is possible to raise the outlet of the drain pipe to 80 cm (max. lift) from bottom face of Drain Pump. However, if there is a horizontal run pipe connected to the vertical section of the drain pipe, water will overflow from the drain pan. This is because too much water will flow back when the operation stops. Therefore, the drain pipe must be raised vertically. Also, install the flow back stop at the highest point to prevent the water from flow back from horizontal part of the pipe. See the drawing below.



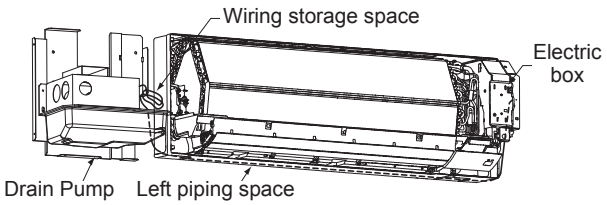
5. Electric wiring

5-1 Set up of the indoor unit (* Confirm that the power is off before starting the installation work.)

(1) Remove the panel of indoor unit and the electric box cover. (* See the indoor unit installation section in the installation manual of the indoor unit.)

5-2 Electric wiring

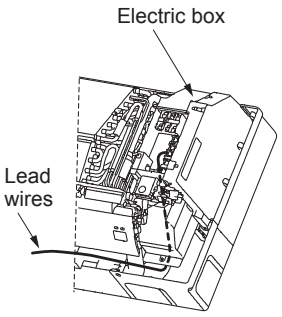
- Route the wiring through the left piping space of the indoor unit to the electric box as shown in right figure.
- Connect the lead wires to the connectors of the indoor unit control board, and then place the slack in the wires in the wiring storage space of the Drain Pump. (Fix the lead wires with the clamps.)



5-3 Electric wiring operation

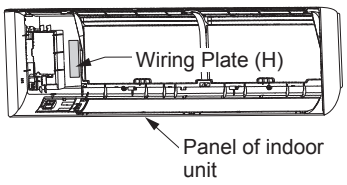
- Pull out the electric box as far as necessary to connect the lead wires to the control board connectors “CNP” and “CN4F”.
- Connect the lead wires with connectors to the control board connectors “CNP” and “CN4F”. At this time, remove the bypass connector (will be unused) from the terminal CN4F of the control board.
- Be sure not to have the lead wires touch the heat generator (heat sink) on the control board.

Electric wiring operation

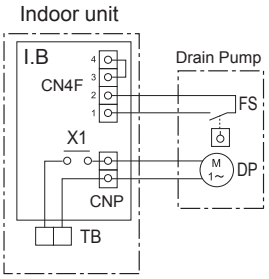


Wiring plate

- Affix the wiring plate (H) to the rear of the panel.



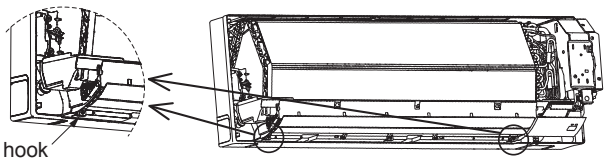
Electric circuit diagram



Symbol	Name
TB	Terminal block (indoor/outdoor connecting line)
I.B	Indoor control board
CNP	Connector (Drain Pump)
CN4F	Connector (Float switch)
DP	Drain Pump
FS	Float switch
X1	Relay (Drain Pump)

Note: □ stands for terminal connection.
⊡ stands for connector joint.

- After completing the electric wiring operation, make sure that the hooks are securely caught on the unit, and then put the electric box cover and panel back in place.



6. Test run

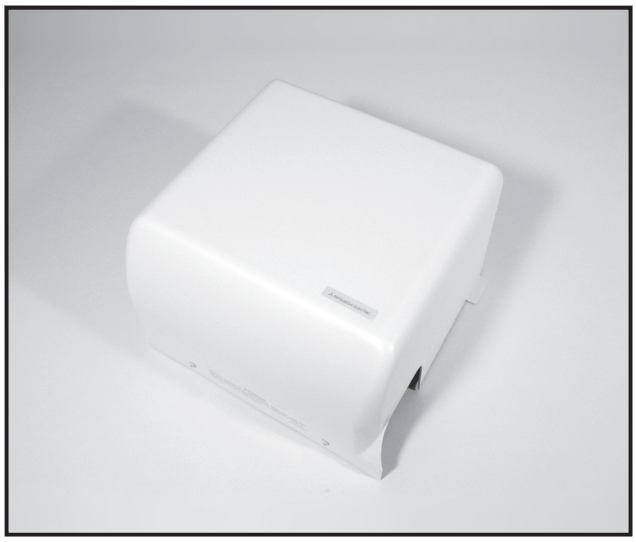
- After the installation of the Drain Pump has been completed, make sure that the drain works correctly and the water does not leak from any part of connection.

(1) Pour water
Pour water approximately 800 cc to the drain pan. (* See the drain pipe [checking the drain flow] section in the installation manual of the indoor unit.)
(* If the water is poured too much, it is possible that the drainage does not work due to alarm stop by activation of drain over flow protection device.)

(2) Test run
In accordance with the procedure for test run in the installation manual for the indoor unit, operate the air cooling and make sure that the drainage works and the water does not leak.
* When the Drain Pump is installed in winter season, the water must be drained.
To drain water, remove the drain plug under the Drain Pump. Prepare the pan to receive drain.
When the drainage has been completed, put the drain plug back in place.

(3) After checking, put the cover back in place.
* Make sure that the left end of the indoor unit perfectly comes on the point marked at 2-1. (If they do not match, the cover will not be able to be installed or there will be a gap between the cover and the indoor unit.)

Photo



Descriptions

Raises drain generated during unit's operation to secure the appropriate angle of the drain pipe.

Applicable Models

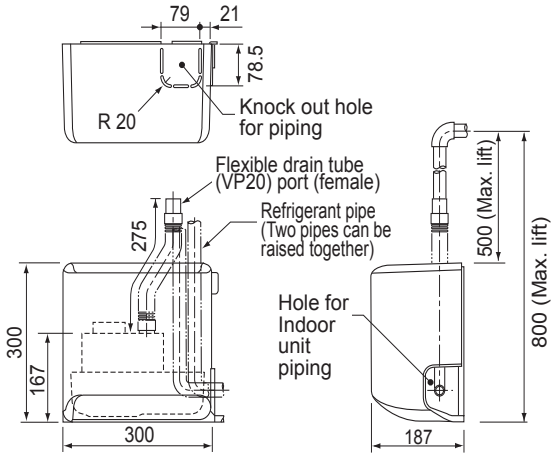
- PKA-M35HA
- PKA-M35HAL
- PKA-M50HA
- PKA-M50HAL

Specifications

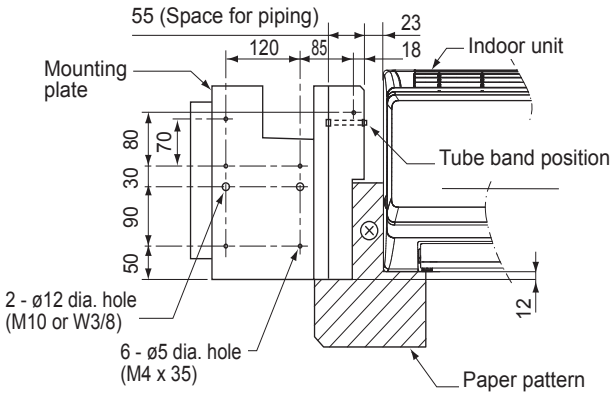
Rated voltage	220-240V 50Hz / 60Hz
Power consumption	12 / 10.8W
Operating current	0.114 / 0.092A
Discharge lift	Max. 500 mm from drain pump's top surface
Discharge rate	24ℓ/h or more
External dimensions (mm)	300 (H) x 300 (W) x 187 (D)
Exterior	Cover : ABS resin (Munsell 6.4Y 8.9/0.4)
Driving motor	Single, shading type (Class E insulation)
Drain piping	Connected to drain outlet. PVC pipe VP-20 (O.D. 26) can be used

Dimensions

Unit : mm



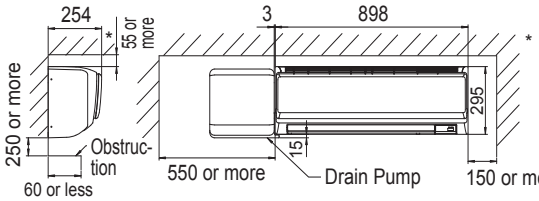
Dimension of Mounting plate



Required space for installation of Drain Pump

[Maintenance space]

* In case that there is a rim at the corner of ceiling, consider the dimension of the rim before installation.



* The same space is required for the left front and rear piping.

Accessories

(Make sure of the following items attached with the Drain Pump before installation.)

(A) Drain Pump	(B) Screw	(C) Drain tube	(D) Drain tube cover	(E) Tube clip	(F) Pull tight	(G) Paper pattern	(H) Wiring plate
x 1	(M4 x 16) x 1 (M4 x 35) x 6	x 1	x 1	x 1	x 1	x 1	x 1

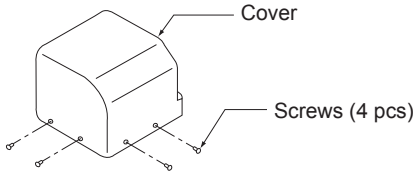
* The items (B) – (F) are packed between main body and cover of the Drain Pump. Take them out after the cover removed.

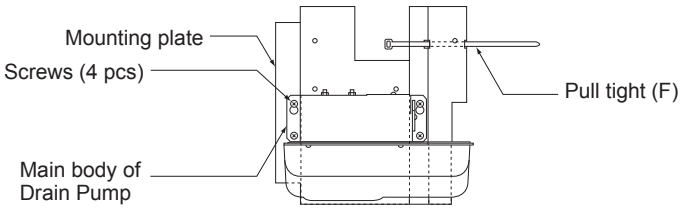
How to Use / How to Install

1. Before installation of the Drain Pump (* Position the indoor unit first.)

1-1 Set up of the Drain Pump

- Remove the cover and the mounting plate which is fixed on the back of the Drain Pump each.
  * The packaging material which is put between the cover and the main body of Drain Pump is only for cushion for transportation. Take it out as it is unnecessary.
  * Take out the accessories.
- Run the pull tight (F) attached through the square hole on the mounting plate.
- Cut the knock out hole on the cover with a nipper and etc.



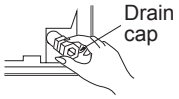


* The screws removed will be used later. Keep them not to lose.

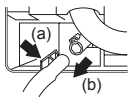
1-2 Set up and installation of the indoor unit (* See the item of piping connection set up in the installation manual of the indoor unit.)

(1) Make the knock out hole for left side piping on the left side panel of the indoor unit.

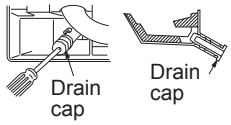
(2) Pull out the drain cap from the left drain outlet.
- Hold the convex section at the end and pull the drain cap.



(3) Remove the drain hose from the indoor unit.
- Hold the end of the drain hose (a) (marked by the arrow) and pull the drain hose out (b).

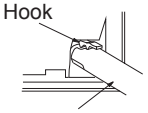


(4) Insert the drain cap into the right drain outlet.
- Insert a screwdriver or similar tool into the hole at the end of the cap and insert the cap fully into the outlet.



(5) Insert the accessory drain hose (C) into the left drain outlet.
- Insert the hose up to the base of the drain pipe connection opening.

* Make sure that the hook on the drain hose is securely caught on the projection in the opening in the drain pan.



(6) Install the indoor unit.

⚠ CAUTION	**The indoor unit must be installed horizontally.**
	Otherwise, the water can leak and it will make the wall dirty.

2. Installation of the Drain Pump

2-1 Fixing of the mounting plate

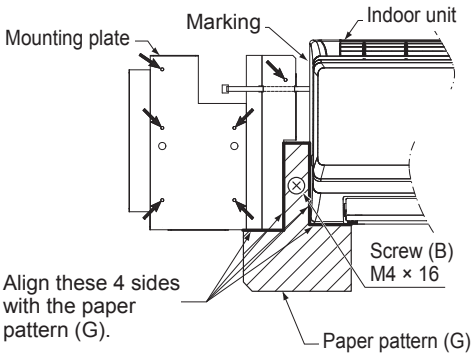
- The installation place should be carefully considered if it is proper for installation. If it is not strong enough to hole the unit, make it stronger by using board or beam before installation.

(1) Decide the installation position of the mounting plate by using the paper pattern (G) attached.
(* The left end of the indoor unit should be marked in advance.)
  1) Fix the paper pattern on the wall with the screw (B) (M4 × 16) attached with putting it to the left end of the indoor unit for positioning of the Drain Pump as shown in the drawing.
  2) Position the mounting plate with pushing it against the paper pattern.

(2) Fix the mounting plate with the screws (B) (M4 × 35) attached. Fix the mounting plate using the 5 dia. holes.
(6 locations pointed by arrows in the drawing.)
In case that the mounting plate is fixed by fixing bolts (through bolts, bolt anchors, or nut anchors), get M10 or W3/8 screws locally and put them into two ø 12 holes of the mounting plate to fix it.

(3) When the mounting plates is installed, remove the paper pattern.

(4) Check that the mounting plate is level and positioned correctly with the indoor unit. (Refer to Dimensions)

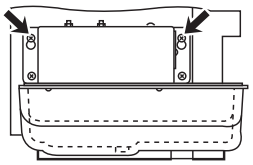


2-2 Installation of the Drain Pump

- Fix the Drain Pump on the mounting plate.

(1) Install the screws to the 2 upper holes (indicated by the arrows shown in right figure) of the mounting plate by hand tightening them about halfway, and then hook the Drain Pump on the screws.

(2) Level the Drain Pump by using a spirit level. Then tighten the 4 screws securely to fix the Drain Pump.



⚠ CAUTION	**The Drain Pump must be leveled.**
	Otherwise, the water leaks and it makes wall dirty.

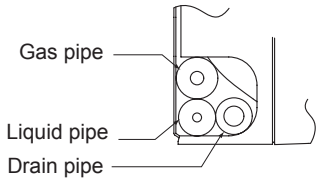
3. Installation of refrigerant piping (* See the item of refrigerant piping connection in the Installation of the indoor unit.)

(1) Install the refrigerant piping using the left piping method.

(2) When the refrigerant piping and drain pipe are routed vertically together, route the piping through the space in the mounting plate.

- Be sure that the indoor unit must be positioned at the place where was marked at 4-1.
- The bending radius of the refrigerant pipe must be R80 or less.
- The tube raised should be fixed with the pull tight which was put through the square hole of the mounting plate.

(3) Position the refrigerant piping in the left piping space of the indoor unit as shown in right figure



4. Installation of drain piping

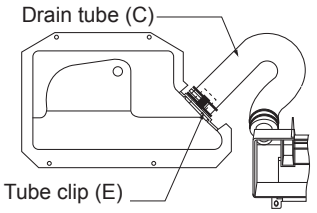
4-1 Connection of drain tube

(1) Connect the drain tube (C) which is installed to the left side drain port of the indoor unit to the drain port of the Drain Pump.

(2) Fix the connection port securely with the tube clip (E) attached.

(3) Connect the flexible drain tube, which is run from the top panel of the Drain Pump, to the local drain piping. The part connected must be closed by vinyl chloride type glue.

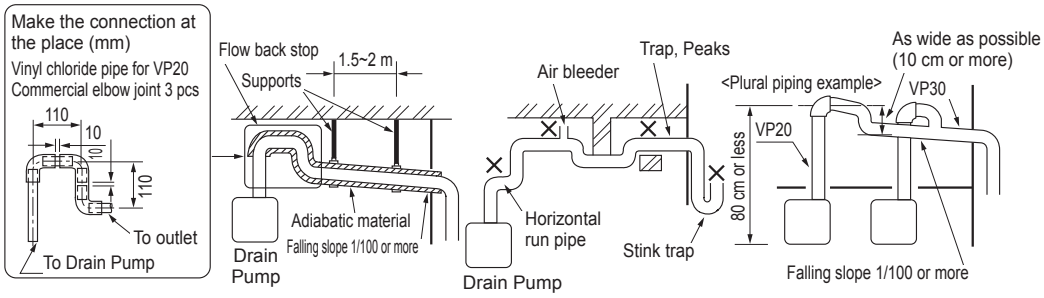
(4) Insulate the flexible drain tube which is run from top panel of Drain Pump with the drain tube cover (D) attached.



4-2 Installation of drain piping

(1) The drain pipe should be installed in accordance with the following procedure.

- The drain pipe should be installed so that the outdoor side (drain side) becomes falling slope (1/100 or more) and do not make trap or peaks.
- The horizontal run of the drain pipe should be 20 m or less. In case that the tube is horizontally run for long distance, some support brackets should be installed to prevent the pipe from being wavy. Never install the air bleeder. The drain will blow out.
- The hard vinyl chloride pipe VP20 (outer dia. 26 mm) should be used for the drain pipe. And the part connected must be closed by vinyl chloride type glue to prevent water leak.
- Be sure to wrap the drain pipe with adiabatic material (foam polyethylene: specific gravity 0.03, thickness 9 mm or more) available on the market.
- Do not install stink trap to the outlet of the drain pipe.
- The outlet of the drain pipe should be installed the place where it is not possible to cause stink.
- In case that plural drain pipes are installed, install the main pipe so that it comes approximately 10 cm lower than the drain outlet and the pipes must be made of material of VP30 or similar and they should be falling slope (1/100 or more).
- It is possible to raise the outlet of the drain pipe to 80 cm (max. lift) from bottom face of Drain Pump. However, if there is a horizontal run pipe connected to the vertical section of the drain pipe, water will overflow from the drain pan. This is because too much water will flow back when the operation stops. Therefore, the drain pipe must be raised vertically. Also, install the flow back stop at the highest point to prevent the water from flow back from horizontal part of the pipe. See the drawing below.



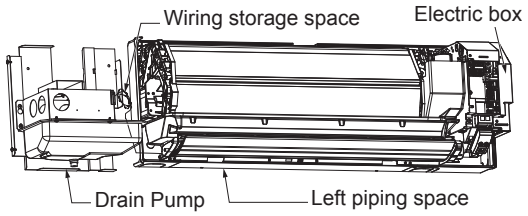
5. Electric wiring

5-1 Set up of the indoor unit (* Confirm that the power is off before starting the installation work.)

(1) Remove the panel of indoor unit and the electric box cover. (* See the indoor unit installation section in the installation manual of the indoor unit.)

5-2 Electric wiring

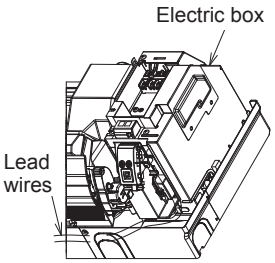
- Route the wiring through the left piping space of the indoor unit to the electric box as shown in right figure.
- Connect the lead wires to the connectors of the indoor unit control board, and then place the slack in the wires in the wiring storage space of the Drain Pump. (Fix the lead wires with the clamps.)



5-3 Electric wiring operation

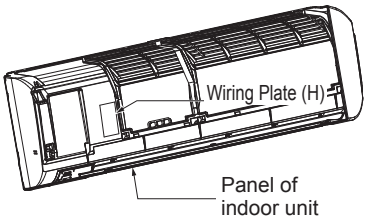
- Pull out the electric box as far as necessary to connect the lead wires to the control board connectors “CNP” and “CN4F”.
- Connect the lead wires with connectors to the control board connectors “CNP” and “CN4F”. At this time, remove the bypass connector (will be unused) from the terminal CN4F of the control board.
- Be sure not to have the lead wires touch the heat generator (heat sink) on the control board.

Electric wiring operation

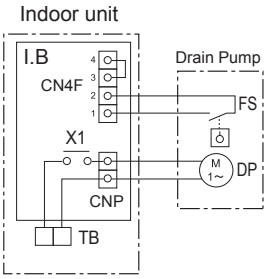


Wiring plate

- Affix the wiring plate (H) to the rear of the panel.



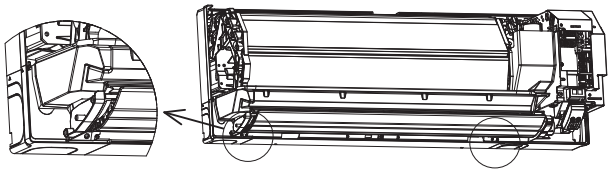
Electric circuit diagram



Symbol	Name
TB	Terminal block (indoor/outdoor connecting line)
I.B	Indoor control board
CNP	Connector (Drain Pump)
CN4F	Connector (Float switch)
DP	Drain Pump
FS	Float switch
X1	Relay (Drain Pump)

Note: □ stands for terminal connection.
⊡ stands for connector joint.

- After completing the electric wiring operation, make sure that the hooks are securely caught on the unit, and then put the electric box cover and panel back in place.



6. Test run

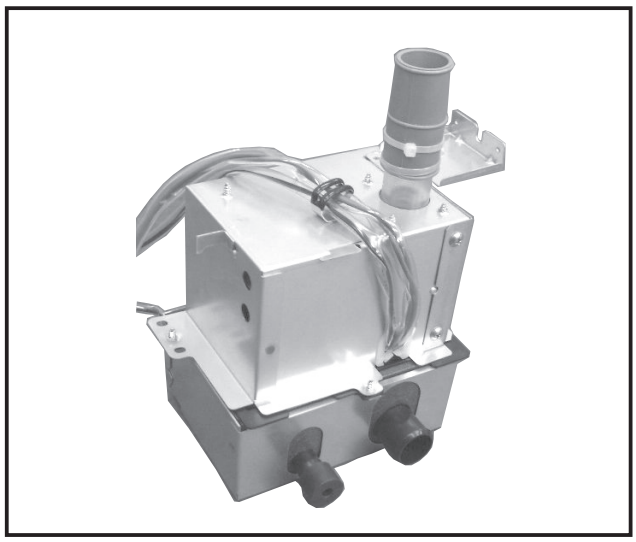
- After the installation of the Drain Pump has been completed, make sure that the drain works correctly and the water does not leak from any part of connection.

(1) Pour water
Pour water approximately 800 cc to the drain pan. (* See the drain pipe [checking the drain flow] section in the installation manual of the indoor unit.)
(* If the water is poured too much, it is possible that the drainage does not work due to alarm stop by activation of drain over flow protection device.)

(2) Test run
In accordance with the procedure for test run in the installation manual for the indoor unit, operate the air cooling and make sure that the drainage works and the water does not leak.
* When the Drain Pump is installed in winter season, the water must be drained.
To drain water, remove the drain plug under the Drain Pump. Prepare the pan to receive drain.
When the drainage has been completed, put the drain plug back in place.

(3) After checking, put the cover back in place.
* Make sure that the left end of the indoor unit perfectly comes on the point marked at 2-1. (If they do not match, the cover will not be able to be installed or there will be a gap between the cover and the indoor unit.)

Photo



Descriptions

Raises drain generated during unit's operation to secure the appropriate angle of the drain pipe.

Applicable Models

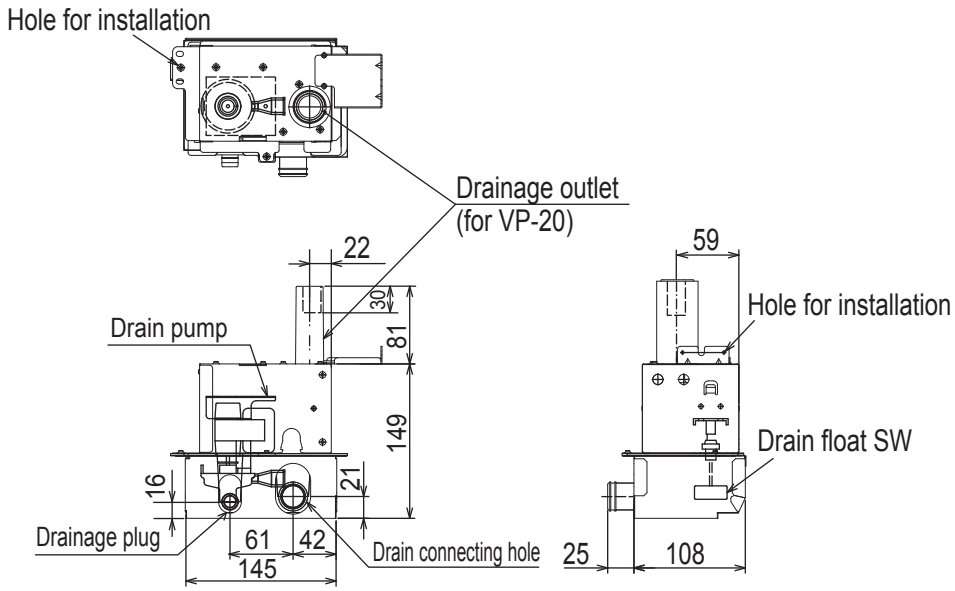
Drain pump	PAC-SJ92DM-E	PAC-SJ93DM-E	PAC-SJ94DM-E
Applicable models	PCA-M35KA PCA-M50KA	PCA-M71KA PCA-M100KA PCA-M125KA PCA-M140KA	PCA-M60KA

Specifications

Rated power	220V AC, single-phase, 50/60Hz
Power consumption	12/10.8W
Operating current	0.114/0.092A
Drain lift	Max. 600mm from indoor unit's top surface
Discharge rate	24ℓ/h or more
Driving motor	Shading type (Class E insulation)
Drain piping	Connected to drain outlet. PVC pipe VP-20 (O.D.Φ26) can be used.

Dimensions

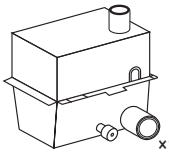
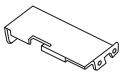
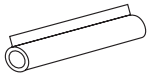
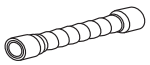
Unit : mm

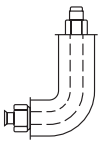
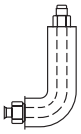
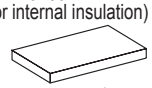


How to Use / How to Install

1 Confirming Supplied Accessories

* Before starting installation, make sure that the following accessories are present.

① Drain lift up mechanism	② Attachment	③ Screws (4×10)	④ VP-20 pipe	⑤ Pipe cover	⑥ Flexible hose	⑦ Fastener
 ×1	 ① Drain lift up mechanism fixture ×1	 For the installation of drain lift up mechanism① ×6	 ×1	 For insulation of VP20 pipe④ ×1	 ×1	 ×1

⑧ L-shaped pipe (gas pipe)	⑨ L-shaped pipe (liquid pipe)	⑩ Insulator A	⑪ Insulator B
 ×1	 PAC-SJ92/93 ×1 PAC-SJ94 ×2	6t×220×80 (For internal insulation)  For the insulation of L-shaped pipes ⑧ and ⑨ and the refrigerant pipes. ×2	3t×250×120 (For external insulation)  For the insulation of L-shaped pipes ⑧ and ⑨ and the refrigerant pipes. ×2

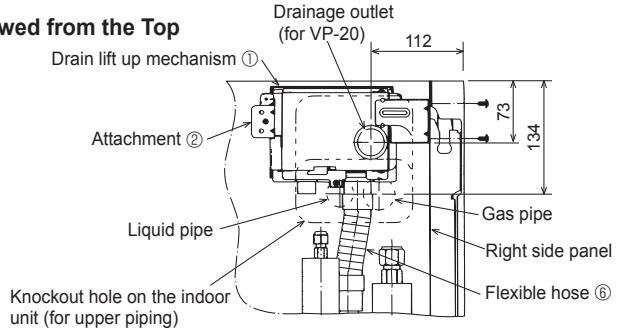
2 Installation Diagram of the Drain lift up mechanism

* This drain lift up mechanism must be installed inside an indoor unit.
* Installing this drain lift up mechanism limits to arrange the refrigerant pipe only upward.
* To facilitate installation of the drain lift up mechanism, it should be installed before indoor unit.
* The size of the plumbing that must connect, by the refrigerant kind of the indoor unit that corresponds in the case of PAC-SH85DM-E, changes.
* Please refer to the installation manual of an indoor unit for details.
* Accessory pipes (⑧ or ⑨) are compatible with any types of refrigerant pipe. The connection pipe of the L-shaped pipe (liquid pipe) included with PAC-SJ94 will differ depending on the indoor unit model in use.

※1 In case of accessory parts VP-20pipe ④ and pipe cover ⑤ do not have enough length because the lifting height is high, please supply locally.

Unit:mm

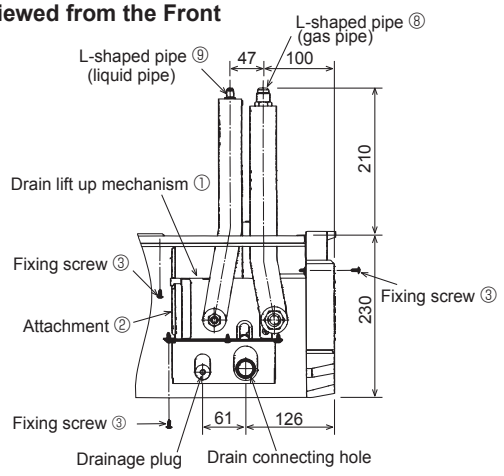
Viewed from the Top



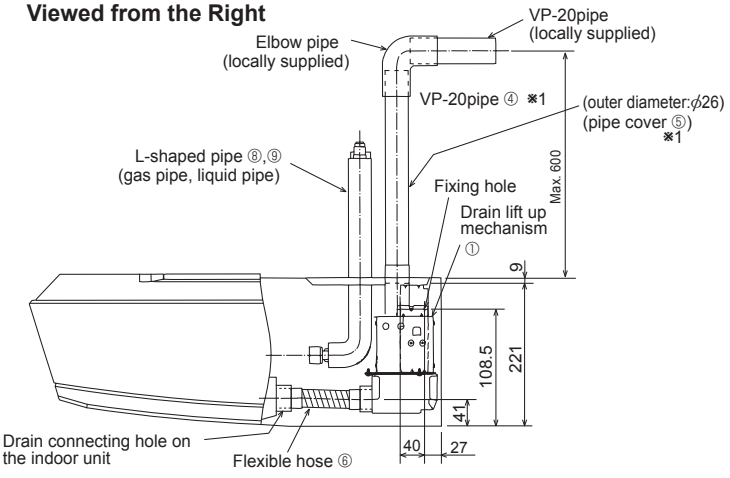
<Table 1>

Gas pipe	Liquid Pipe	Drain lift up mechanism Model
ϕ12.7	ϕ6.35	PAC-SJ92
ϕ15.88	ϕ9.52	PAC-SJ93
ϕ15.88	ϕ6.35/ϕ9.52	PAC-SJ94

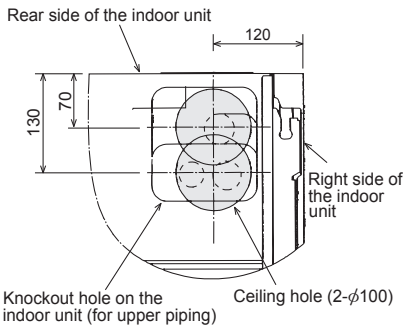
Viewed from the Front



Viewed from the Right



Positions of Holes on the Ceiling

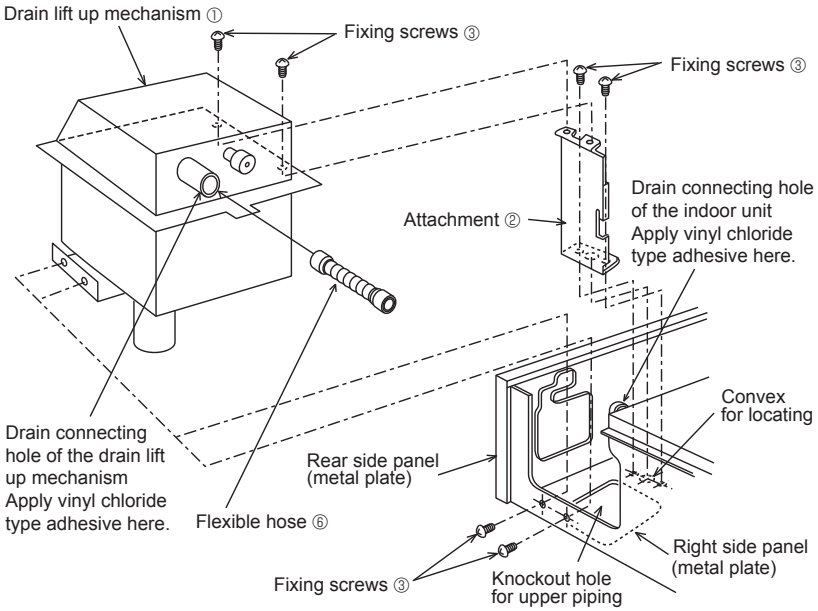


3 Installing the Drain lift up mechanism

• Connect the flexible hose to the drain lift up mechanism before installing the mechanism to an indoor unit.

1.Remove the intake grille and side panel. (Refer to the indoor unit installation manual.)
2.Prepare the knockout hole to be used for the upper piping of the indoor unit.
3.Fix the attachment ② with the fixing screws ③ (×2)
4.Apply vinyl chloride type adhesive to the drain connecting hole of the drain lift up mechanism ① and insert the flexible hose ⑥ firmly into the hole.
5.Apply vinyl chloride type adhesive to the drain connection hole of the indoor unit, and install the drain lift up mechanism ① while inserting the flexible hose ⑥. Do not twist during insertion.
6.Fix the drain lift up mechanism ① with the fixing screws ③ (×4)

Notice	Do not press the rear side panel (metal plate) as deformation will result.



4 Refrigerant Piping

• For details on piping, refer to the installation manual of the indoor unit.

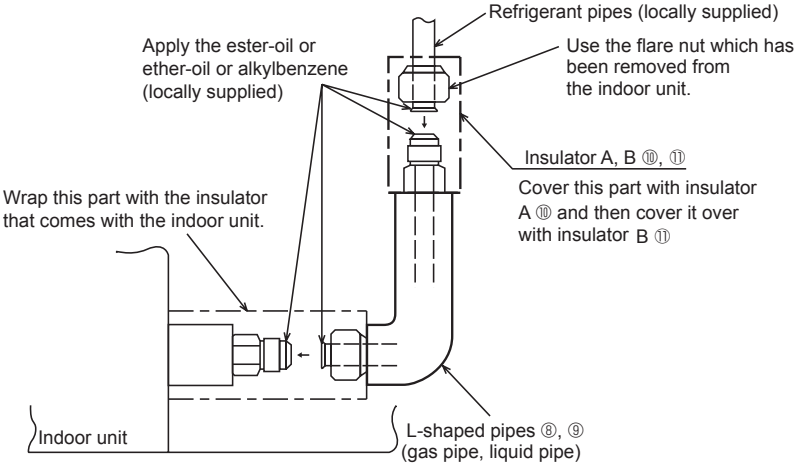
[With the stop valve of the outdoor unit fully closed]

1.Apply lubricant to the flare sheet of the L-shaped pipes (gas pipe, liquid pipe) ⑧, ⑨.
2.Remove the flare nut and cap from the indoor unit.
3.Apply lubricant to the flare sheet connecting section of the indoor unit.
4.Connect the L-shaped pipes (gas pipe, liquid pipes) ⑧ and ⑨ quickly.
5.Fit the removed flare nut to the existing pipes and carry out flaring.
6.Connect the L-shaped pipes with the existing pipes in the same way.
7.Cover each connection with heat insulator ⑩, ⑪.

[After the refrigerant circuit is complete]

8.Vacuumize the refrigerant lines through the service port of the liquid stop valve.
9.Fully open the stop valves (both liquid and gas).

• The method for operating the stop valve is described on the outdoor unit installation manual.

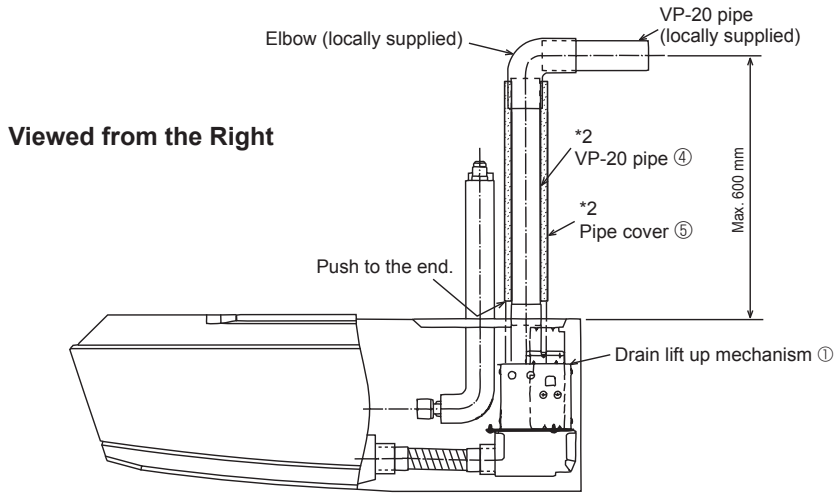


5 Drain Piping

*2 In case of accessory parts VP-20pipe ④ and pipe cover ⑤ do not have enough length because the lifting height is high, please supply locally.

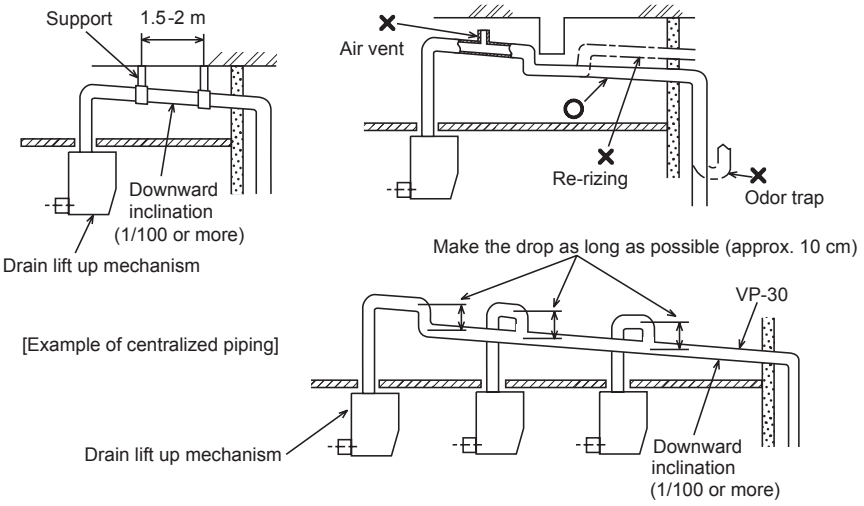
• **For details on piping, refer to the installation manual of the indoor unit.**
1.Apply vinyl chloride type adhesive to the drainage outlet of the drain lift up mechanism ①, then insert the VP-20 pipe ④ into it. (30mm deep)
2.Connect the VP20 pipe ④ and existing drain pipe using a 90-degree elbow etc. and adhesive.
3.Cover the VP-20 pipe ④ with the pipe cover ⑤.

• **Insulate all pipes, from the drain lift up mechanism up to the outside.**



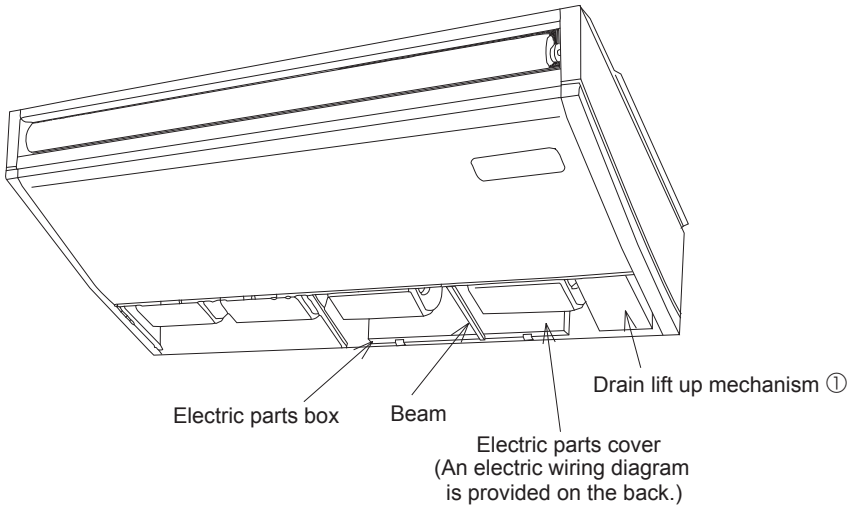
[Make sure to follow the following points during drain piping.]

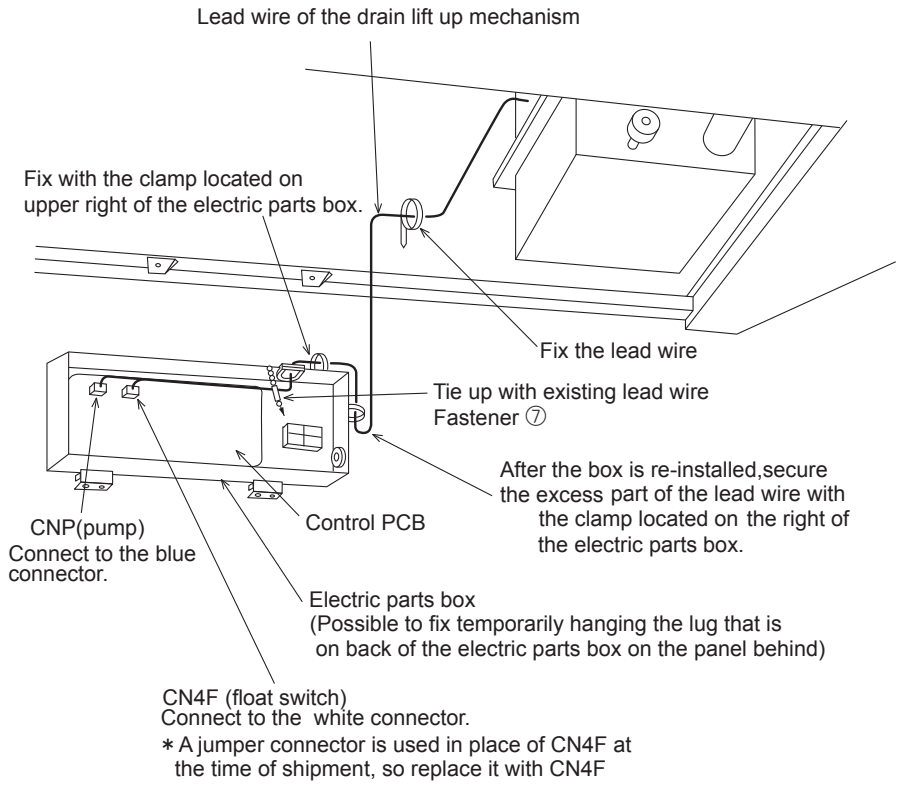
• Drain lifting height must be less than 600 mm.
• Incline the drain pipe downwards (1/100 or more) to the drainage side (outdoor).
• Do not create traps or peaks.
• Keep the horizontal piping within 20 m. Use fixtures to prevent the pipe from waving.
• Do not install air vent pipes. The drainage may spout out.
• Use general-purpose hard vinyl chloride pipes (outer diameter:ϕ26) and apply vinyl chloride type adhesive to prevent any leakage.
• Cover with insulator (made of foamed polyethylene, with specific gravity of 0.03 thickness of 9 mm or more).
• Do not install odor trap at the drain outlet.
• Locate the end of pipe at a point where odor is unlikely to occur.
• Do not insert the pipe directly into a drainage ditch where sulfur gas may be produced.
• Use VP-30 pipes for centralized piping. Install the centralized drain pipe approximately 10 cm below the output of pipes connected from the drain lift up mechanism.



6 Electric Wiring

*Refer to the installation manual of the indoor unit together with this manual.
*Perform the work after checking that the power supply is off.
1.Remove the beam.
2.Remove the electric parts cover.
3.Pull the electric parts box downwards.
4.Connect the lead wire of drain lift up mechanism to the CNP and CN4F connectors provided on the control PCB of the indoor unit.
5.Tie up the lead wires with the fastener ⑦ so that the wires do not come apart inside the electric parts box.
6.When the wiring is finished, re-install the electric parts box, its cover and the beam.



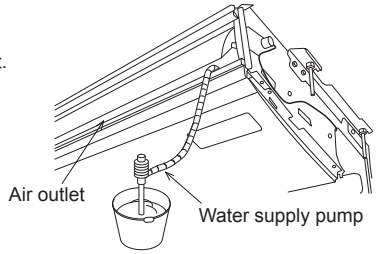


∗ The positions of the connectors which must be connected to the control PCB in certain models differ from those specified in the above diagram. Make sure that the lead wire are connected to CNP and CN4F connectors.

7 Test Run

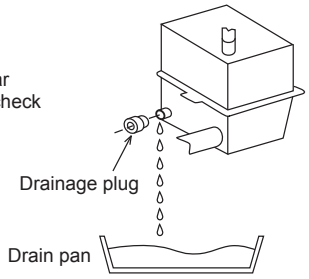
*Through this test run, check that drainage is discharged properly and that there is no water leakage from any of the connections.
*Refer to the installation manual of the indoor unit together with this manual.

1. Supplying water
Supply approximately 1000cc of water to the air outlet.

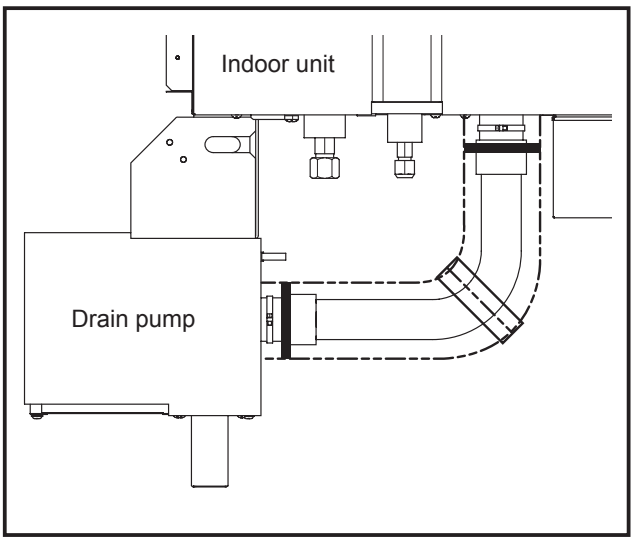


2.Carrying out a test run
(1) Turn the power ON.
(2) Press the TEST RUN button on the remote controller twice.
(3) Press the MODE button to select cooling mode.
*The drain lift up mechanism will be activated to start discharging the water.
(4) Check whether water is discharged properly.
(5) Press the POWER ON/OFF button to cancel the test run.
(6) Turn the power OFF.

3.Re-install each part after checking.
*If the drain lift up mechanism is installed at the time of the year when heating is used, make sure that the water for the drain check has been removed.
After removal of the water, reinstall the drainage plug.



Installation figure



Descriptions

Raises drain generated during unit's operation to secure the appropriate angle of the drain pipe.

Applicable Models

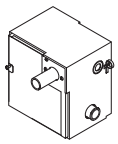
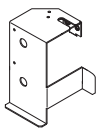
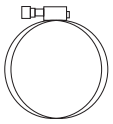
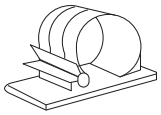
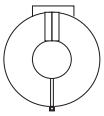
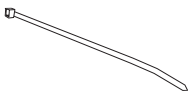
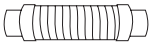
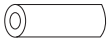
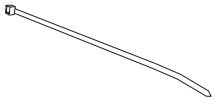
- SEZ-M25DA
- SEZ-M35DA
- SEZ-M50DA
- SEZ-M60DA
- SEZ-M71DA
- SEZ-M25DAL
- SEZ-M35DAL
- SEZ-M50DAL
- SEZ-M60DAL
- SEZ-M71DAL

Specifications

- ●External type
- ●220 - 240V AC
- ●Liquid level detection: Float switch

Provided parts

Check that the packet includes the following parts in addition to installation manual.

Item	① DRAIN PUMP	② ATTACHMENT	③ DRAIN HOSE 1	④ PIPE COVER 1	⑤ PIPE COVER 2
Quantity	1	1	1	1	1
Shape			(385mm) 	(255mm) 	(200mm) 
Item	⑥ HOSE BAND	⑦ SCREW	⑧ CLAMP	⑨ FERRITE CLAMP	⑩ BAND 1
Quantity	1	3	3	1	2
Shape					(100mm) 
Item	⑪ DRAIN HOSE 2	⑫ PIPE COVER 3	⑬ BAND 2		
Quantity	1	1	6		
Shape	(175mm) 		(380mm) 		

How to Use / How to Install

1 Installing the Drain Pump

1-1 Installing the Drain Pump

(1) Unscrew the (a)screw on the unit cover, hook the ②ATTACHMENT over the mounting bracket on the unit, and screw it on to the unit with the (a)screw. (Fig. 1)

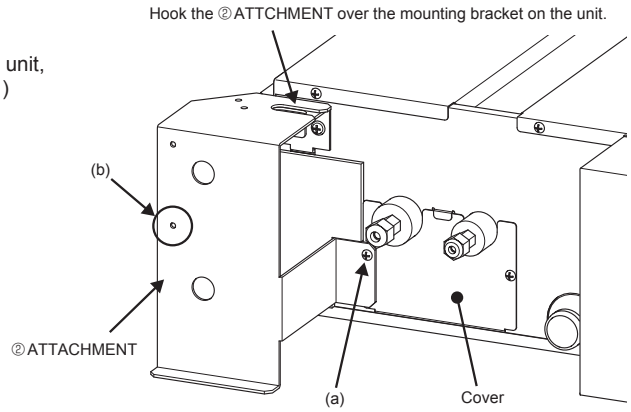


Fig. 1

(2) Temporarily screw in the ⑦SCREW in the hole (b) on the ②ATTACHMENT. (Fig. 1 and 2)

(3) Loosen the drain-pump-cover fixing screws, and remove the cover. (Fig. 3)

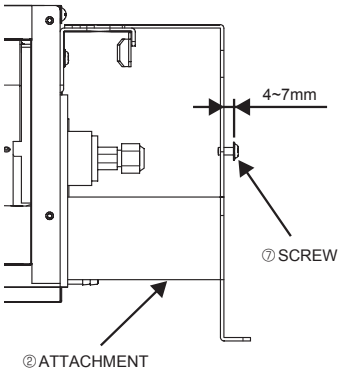


Fig. 2

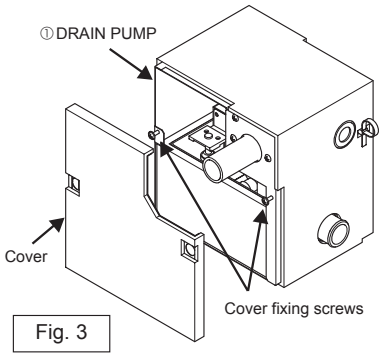


Fig. 3

(4) Hang the ①DRAIN PUMP on the ②ATTACHMENT by placing the ⑦SCREW (the one screwed in during Step (2) above) through the Figure-8 hole on back of the ①DRAIN PUMP, and then tighten the ⑦SCREW from inside the ①DRAIN PUMP. (Fig. 4)

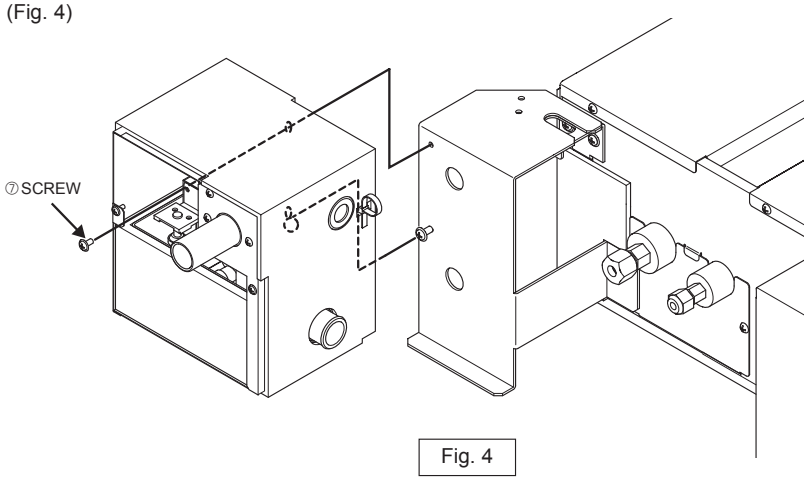


Fig. 4

1-2 Installing DRAIN HOSE 1

(1) Connect each end of ③DRAIN HOSE 1 to the drain port on the unit and on the drain pump. (Fig. 5)
✻ Insert the hose all the way to the end of the ports.
✻ Do not use any adhesive.

(2) Secure the hose with ⑥HOSE BANDs at both ends of the hose. (Fig. 5)

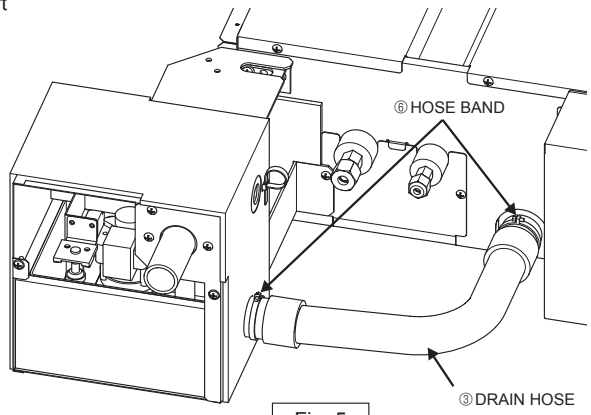


Fig. 5

(3) Attach ④PIPE COVER 1 and ⑤PIPE COVER 2 to ③DRAIN HOSE 1 flush against each other and against the unit and the drain pump, and then secure them in place with ⑬BANDs.
Wrap the pipe cover connection with vinyl tape to close the gap. (Fig. 6)

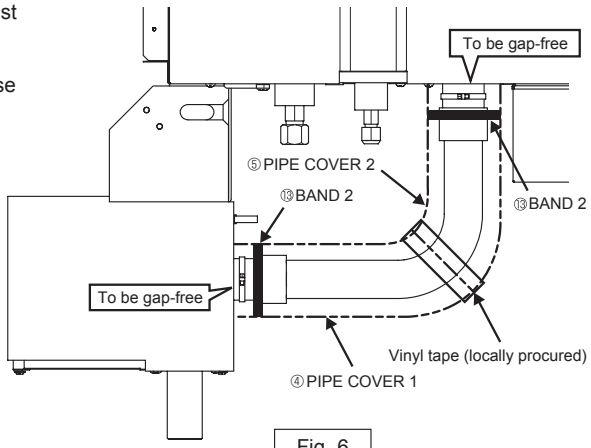


Fig. 6

1-3 Wiring connections

(1) Remove the CONTROL BOX COVER from the unit by unscrewing the two screws on the cover. (Fig. 7)

(2) Unscrew the (c)CONTROL BOX fixing screw. (Fig. 7)

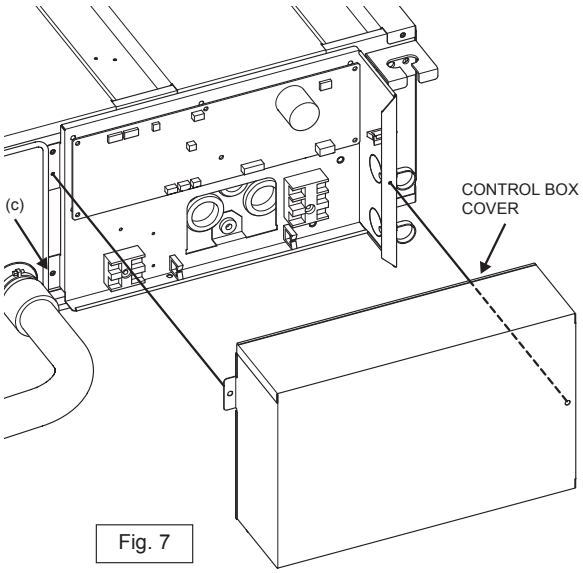


Fig. 7

(3) Remove the short-circuit connector from CN4F on the control board (white, 4P). (Fig. 8)

(4) Route the two drain pump wires behind the CONTROL BOX and into the CONTROL BOX. Lift the CONTROL BOX in the direction of the arrow (d) to allow the wires through. (Fig. 8)
※ Do not pinch the wires.

(5) Wind the drain pump wire (connector: blue, 3P) around ⑨FERRITE CLAMP once, and fix it in place with ⑩BAND. (Fig. 9)

(6) Connect the drain pump wire (connector: blue, 3P) to CNP on the control board, and connect the float switch wire (white: 4P) to CN4F on the control board respectively. (Fig. 8)

(7) Place the screw(c) that was removed in Step 3-3.(2) above back on. (Fig. 7)

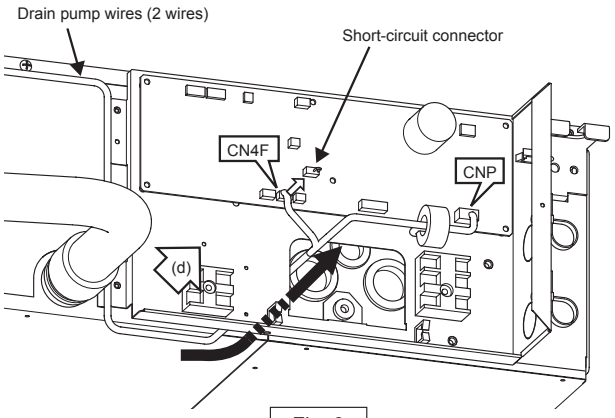


Fig. 8

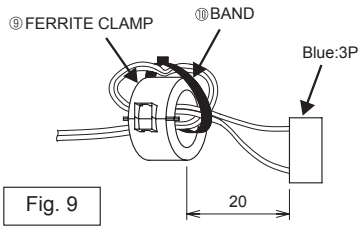


Fig. 9

(8) Fix the two drain pump wires with ⑧CLAMPs to the unit. (Fig. 10)

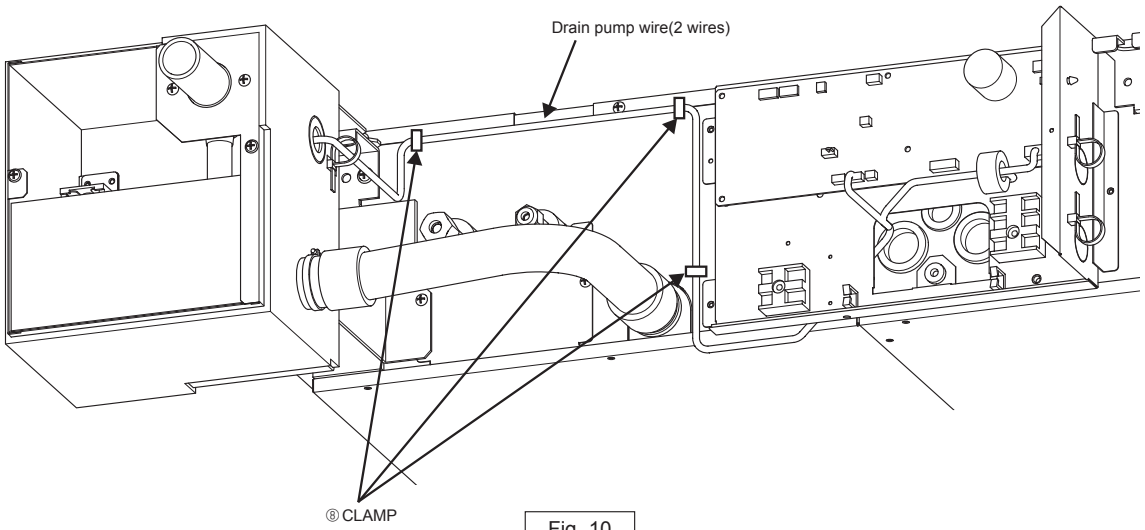
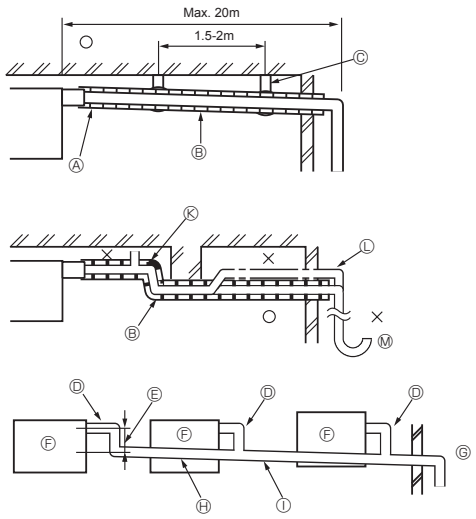
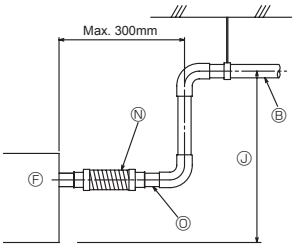


Fig. 10

2 Drain piping work

- Ensure that the drain piping is downward (pitch of more than 1/100) to the outdoor (discharge) side. Do not provide any trap or irregularity on the way.
- Ensure that any cross-wise drain piping is less than 20 m (excluding the difference of elevation). If the drain piping is long, provide metal braces to prevent it from waving. Never provide any air vent pipe. Otherwise drain may be ejected.
- Use a hard vinyl chloride pipe O.D. ø 32 for drain piping.
- Ensure that collected pipes are 10 cm lower than the unit body's drain port.
- Do not provide any odor trap at the drain discharge port.
- Put the end of the drain piping in a position where no odor is generated.
- Do not put the end of the drain piping in any drain where ionic gases are generated.





○ Correct piping
× Wrong piping
Ⓐ Insulation (9 mm or more)
Ⓑ Downward slope (1/100 or more)
Ⓒ Support metal
Ⓚ Air bleeder
Ⓛ Raised
Ⓜ Odor trap

Grouped piping
Ⓓ O. D. ø 32 PVC TUBE
Ⓔ Make it as large as possible. About 10 cm.
Ⓕ Indoor unit (Drain pump)
Ⓖ Make the piping size large for grouped piping.
Ⓗ Downward slope (1/100 or more)
Ⓘ O. D. ø 38 PVC TUBE for grouped piping. (9 mm or more insulation)
Ⓙ Up to 580 mm
Ⓝ Drain hose (accessory)
Ⓞ Horizontal or slightly upgradient

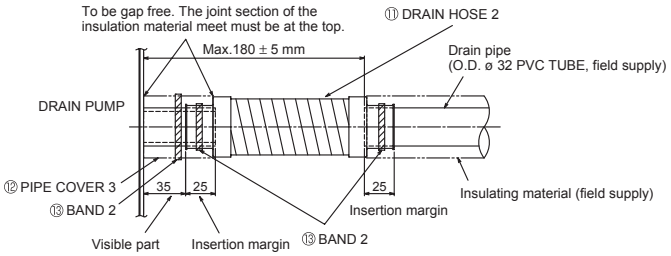
2-1. Insert the ⑪ DRAIN HOSE 2 into the drain port (insertion margin: 25mm).
(The drain hose must not be bent more than 45˚ to prevent the hose from breaking or clogging.)
(Attach the hose with glue for the hard vinyl chloride pipe, and fix it with the ⑬ BAND 2.)

2-2. Attach the drain pipe (O.D. ø 32 PVC TUBE, field supply).
(Attach the pipe with glue for the hard vinyl chloride pipe, and fix it with the ⑬ BAND 2.)

2-3. Perform insulation work on the drain pipe (O.D. ø 32 PVC TUBE) and on the socket (including elbow).

2-4. Check the drainage.

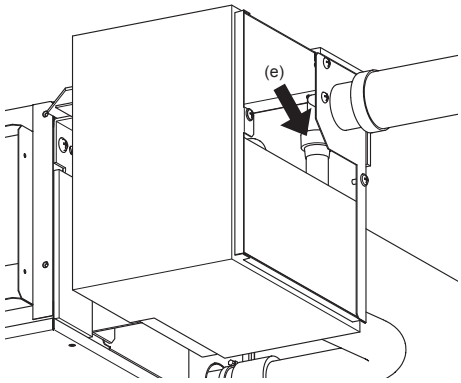
2-5. Attach the ⑫ PIPE COVER 3 and, fix it with the ⑬ BAND 2 to insulate the drain port.



3 Confirming drain discharge

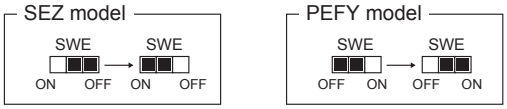
Make sure that the drain-up mechanism operates normally for discharge and that there is no water leakage from the connections.

- Be sure to confirm the above in a period of heating operation.
- Be sure to confirm the above before ceiling work is done in the case of a new construction.
- Make sure that water is not leaking from the connection (e) on the drain pump shown in the right figure.

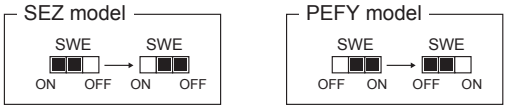


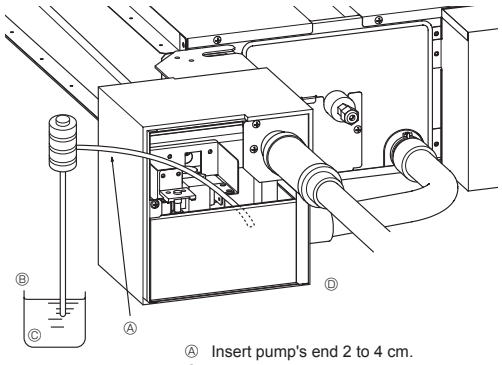
3-1. Fill water into the feed water pump using a feed water tank. In filling, be sure to put the end of the pump or tank in a drain pan. (If the insertion is incomplete, water may flow over the machine.)
※ Do not splash water on the drain pump coil or the float switch wire through hole when pouring water.

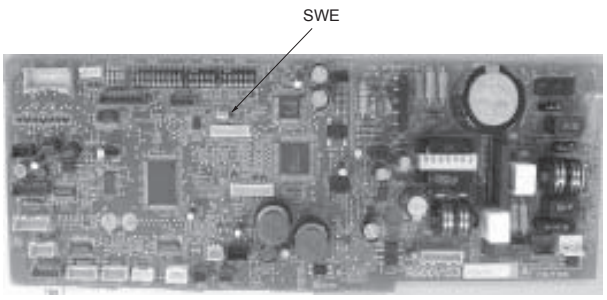
3-2. Perform the test run in cooling mode, or turn on the switch SWE on the controller circuit board. (The drain pump and the fan are forced to operate without any remote controller operation.) Make sure using a transparent hose that drain is discharged.



3-3. After confirmation, cancel the test run mode, and turn off the main power. When the switch SWE has been turned on, turn it off, and attach the CONTROL BOX COVER and the DRAIN PUMP COVER in the original positions.







<Indoor board>

Ⓐ Insert pump's end 2 to 4 cm.
Ⓑ About 2000 cc
Ⓒ Water
Ⓓ Do not splash water on the drain pump coil or the float switch wire through hole when pouring water.

Photo

Descriptions

A decoration cover to be attached to the upper section of ceiling suspended models. Possible to prevent dust accumulation.

Applicable Models

■ PCA-M71HA

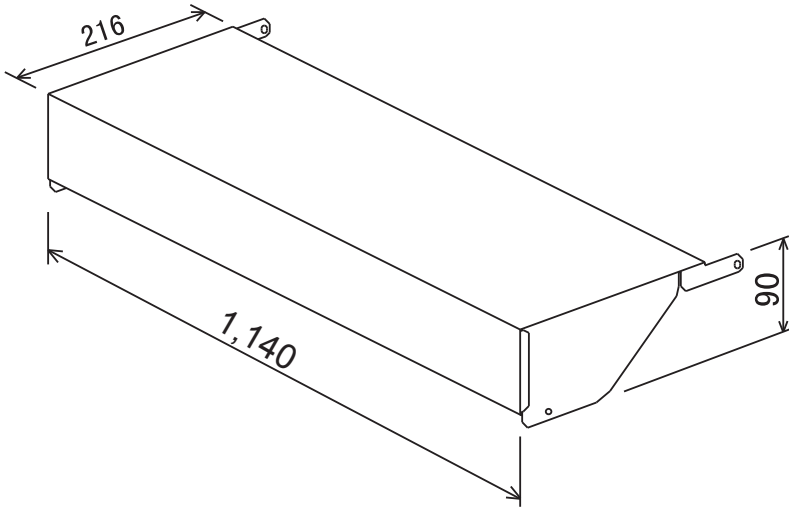
Specifications

Material	SUS304 (0.8t)
Parts composition	Front cover x 1
	Suspension bracket cover x 4
	Tapping screw (4 x 10, with nylon washer) x 4
	Washer x 8 (hot-dip zinc-coated carbon steel sheet (t1. 2))

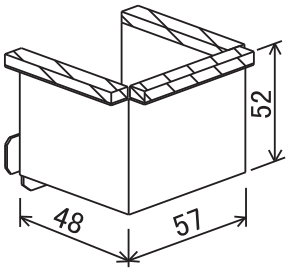
Dimensions

Unit : mm

Front cover



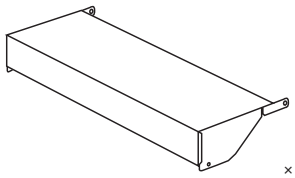
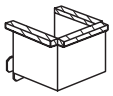
Suspention blacket cover



How to Use / How to Install

1. Checking Provided Parts

※Make sure that you have all the following parts before install ation:

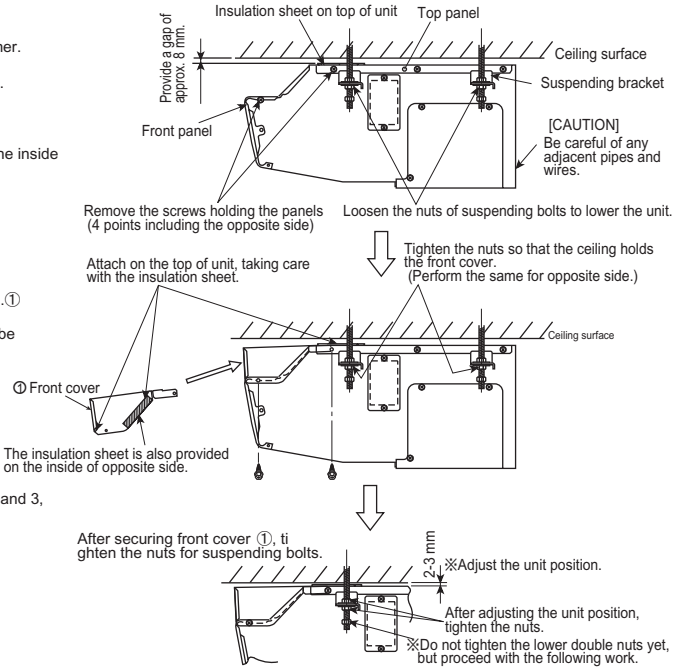
① Front cover	② Suspending bracket covers	③ Tapping screws (4x10)	④ Washers
		 (with nylon washers)	
×1	×4	×4	×8

2. Front Cover Installation Procedure

★The following procedure shows how to attach the front cover after installing air-conditioner.
1. Loosen the nuts of bolts suspending the unit, and lower the unit by approx. 5 mm.
   ・When lowering the unit, be careful not to damage the wires, coolant pipe or drain pipe.
2. Remove the screws that secure the front panel and top panel to the unit (at 4 points).
   (The provided tapping screws③are spares for these screws.)
3. Put front cover ① over the unit.
   ・Be careful not to damage the insulation sheets pasted on the top surface of unit and the inside of front cover ①.
4. Use the screws removed in step 2 to temporarily secure front cover ①.
   (Do not tighten the screws at this time.)
5. Tighten the nuts of bolts suspending the unit, and fit the unit onto ceiling.
   ・Tighten the nuts while carefully watching the attached status of front cover ①.
6. Tighten the screws that were temporarily secured in step 4.
   ・Make sure that front cover holds the insulation sheet on the top surface of unit, and that the cover fits securely on the top surface of unit before tightening the screws.①
7. Separate the unit from ceiling to leave a gap of 2-3 mm fromceiling.
   ・Be sure to provide this space: If the unit is in contact with ceiling, the vibrations could be transmitted to ceiling.
8. Make sure that the unit is correctly installed, and then tighten the nuts of bolts suspending the unit.

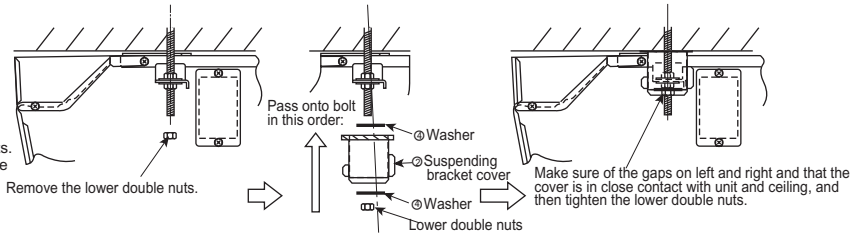
[CAUTION] Do not tighten the lower double nuts yet, because installing suspending bracket covers must now be done.

※ If you attach the front cover before installing the unit, perform the procedure in steps 2 and 3, and then fully tighten the 2 screws on each side (4 in total).



3. Suspending Bracket Installation Procedure

★Attach the suspending bracket covers in succession.
1. Remove the lower double nuts (from 4 points) from the suspending bolts.
2. Put the provided washers (tops and bottoms of suspending bracket covers) and suspending bracket covers through suspending bolts. ④
3. Tighten the nuts removed in step 1 for the suspending bolts.
   ・ Make sure that the suspending bracket covers are in close contact with the unit and ceiling.



4. Test Run

※ Also refer to the installation manual of indoor unit.
★ Make sure that test run is performed without any abnormal sound, such as vibrations, fluttering sound, etc.
[Test Run Procedure]
1. Turn power on.
2. Press the TEST RUN button on remote controller twice.
3. Press the MODE button on remote controller to set to the fan mode.
   * The fan will rotate to blow out air.
4. Make sure that no abnormal sound, such as vibrations, fluttering sound, etc. is heard.
5. Press the ON/OFF button on remote controller to release test run.
6. Turn power off.

Descriptions

Enables to control multiple air conditioners from a (remote) location by connecting the On/Off contact point. It can also control the operation of the relay with error signals by connecting the MA remote controller PAR-40MAA.

Applicable Models

- MSZ-LN18,25,35,50,60VG2
- MSZ-FT25,35,50VG
- MSZ-AP15,20VG
- MSZ-AP25,35,42,50,60,71VG
- MSZ-EF18,22,25,35,42,50VGW,B,S
- MSZ-BT20,25,35,50VG
- MSZ-HR25,35,42,50,60,71VF
- MSY-TP35,50VF
- MSZ-FH25,35,50VE2
- MSZ-SF15,20VA
- MSZ-SF25,35,42,50VE3
- MSZ-GF60,71VE2
- MSZ-WN25,35VA
- MSZ-DM25,35VA
- MFZ-KT25,35,50,60VG
- MFZ-KJ25,35,50VE2
- MLZ-KP25,35,50VF

- S-series models
- P-series models: In the case the outdoor unit is SUZ or MXZ, the indoor of P-series can be connected.

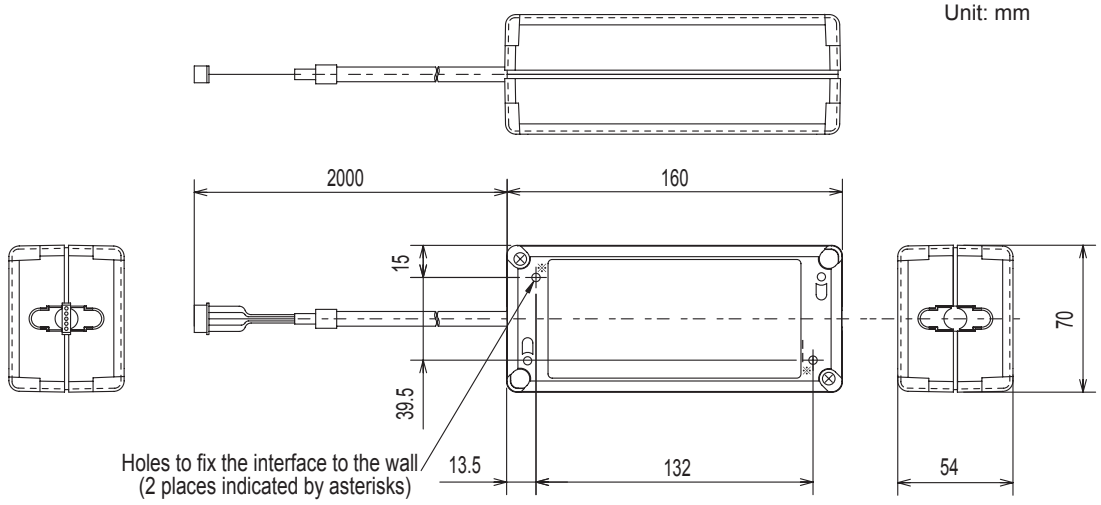
(Except PLA-M100,125,140EA, PCA-M71HA, PCA-M100,125,140KA and PSA-RP・KA)

Specifications

Power		12V DC (supplied from indoor unit)
Operating conditions		Indoor only (ambient temperature: 0 to 40℃, no condensation)
Connection of MA smooth remote controller / MA deluxe remote controller	Communication cable	2-wire (recommended: optional PAC remote controller cable PAC-YT81HC)
	Communication cable distance	Max. 10m
Indoor unit connecting cable		Dedicated 5-wire cable
Weight		360 g (including indoor unit connecting cable)

Dimensions

Unit: mm



How to Use / How to Install

1. Before Installation

1.1.How to Use the SYSTEM CONTROL Interface.

■Functions

Connecting with M-NET system (Fig. 2-1)

The room air conditioner can be managed centralized or individually by the system controller using M-NET communications control.

Used as wired remote controller (Fig. 2-2)

MA remote controller can be used as a wired remote controller.

Remote control (Fig. 2-3)

Contact signals enable inputting of ON/OFF, prohibiting/allowing operation, and heating/cooling.

Status indicator output (Fig. 2-4)

Signals of ON/OFF, error/normal, heater ON/OFF, and humidifier ON/OFF are output.

■Sample System Configuration

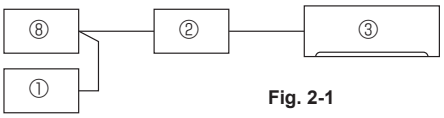


Fig. 2-1

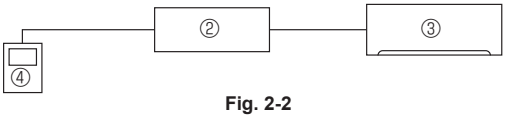


Fig. 2-2

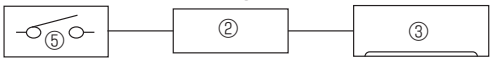


Fig. 2-3

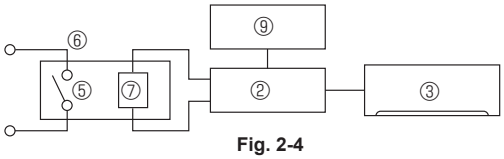
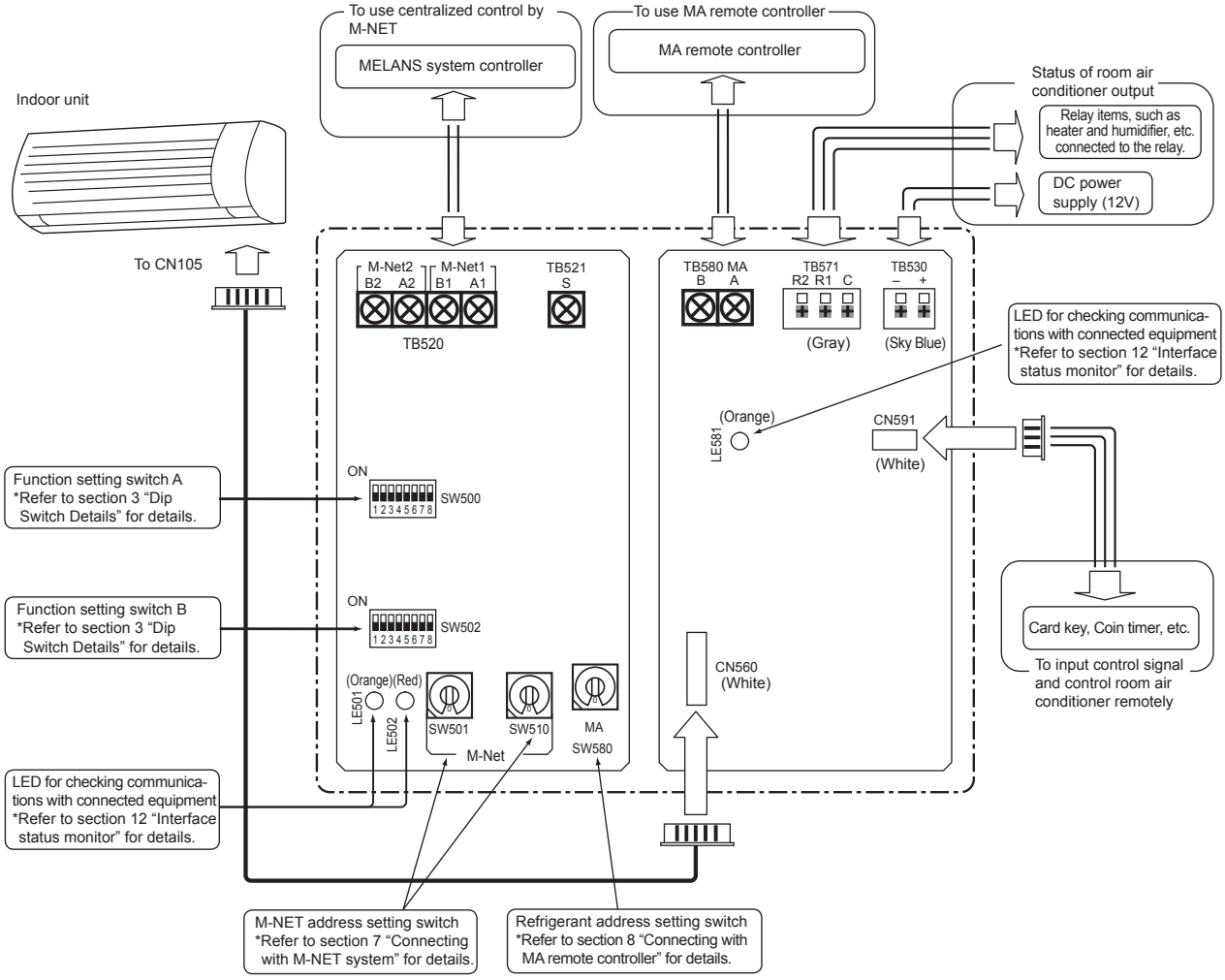


Fig. 2-4

① System controller, etc
② SYSTEM CONTROL Interface
③ Indoor Unit
④ MA remote controller
⑤ Contract point
⑥ Relay
⑦ Coil
⑧ Power supply unit for M-NET transmission line
⑨ External power supply for12V DC

2. Function and electric wiring of interface each part



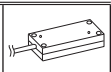
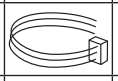
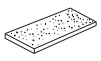
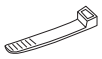
3. Dip Switch Details

Functions	SW No.	Functions		OFF (Factory setting)	ON
Function setting Switch A	SW500-1	Output setting		Switching output of heater ON/OFF (single operation)	
	SW500-2	Turn on/off with power		Not available	Available
	SW500-3	Room temperature detector		Indoor unit	MA remote controller
	SW500-4	Output setting		Switching output of ON/OFF, error/normal, heater ON/OFF, and humidifier ON/OFF	
	SW500-5				
	SW500-6	Input setting		Input of ON/OFF and prohibiting/allowing operation	Input of ON/OFF and heating/cooling
	SW500-7	Interface status display switching		LE501: Confirmation of communications with indoor unit LE502: Confirmation of communications with M-NET LE581: Confirmation of supplying power to MA remote controller	LE501: Confirmation of communications with MA remote controller LE502: Extinguished LE581: Confirmation of supplying power to MA remote controller
	SW500-8	Not in use		— (Set to OFF)	—
Function setting Switch B	SW502-1	Output switching		12 VDC output during operation or error, etc	12 VDC output during stop or operating normally, etc
	SW502-2	Input mode		Level contact	Pulse contact
	SW502-3	Setting of range of prohibited operations by contact point		M-NET system controller ON/OFF operation allowed	M-NET system controller ON/OFF operation prohibited
	SW502-4	Input switching	Input mode when level contact	Running or operating the machine is prohibited, etc by short circuiting the level contact	Running or operating machine is prohibited, etc by level contact opening
			Input mode when pulse contact	ON/OFF is inverted by pressing pulse contact	ON or OFF no matter how many times pulse contact is pressed
	SW502-5	Behavior when operation by contact point is prohibited		State before prohibition of operation by contact point	Air conditioner running stop
	SW502-6	Behavior when prohibition of operation by contact point is canceled		State before canceling prohibition of operation by contact point	Running air conditioner
	SW502-7	Dual auto mode*		Available	Not available
	SW502-8	Setting when P series is mixed in the same group (only when running group operation using the MA remote controller)		No mixture	Mixed

* This function cannot be used regardless of the setting of SW502-7 when any of System controller, ME remote controller, or MA remote controller which are not compatible with Dual auto mode are connected to this interface unit.
This function cannot be used regardless of the setting of SW502-7 when the air conditioner which is not compatible with Dual auto mode is set in the same group.
When you connect MA remote controller to an indoor unit, Dual auto mode is not available. (Set SW502-7 ON.)
When you use this function, the operation mode cannot be set to automatic by the remote controller attached to the air conditioner.

4. Parts

Accessory

❶	Interface unit [with connecting cable (5-core)]		1	❺	Mounting cord clamps (medium)		4	❾	Fasteners (for joining the wires)		5
❷	Screws for mounting 3.5×12		2	❻	Mounting cord clamps (large)		3	❿	Lead wires (3-core)		1
❸	Cushioning material (with adhesive)		1	❼	Screws for mounting 3.5 × 12 ❹, ❺ and ❻ (Use when attaching the clamps to the interface unit)		4	⓫	Screws for mounting 4 × 10 ❺ (Use when fixing near the room air conditioner)		1
❹	Mounting cord clamps (small)		2	❽	Cable ties		9	⓬	Screws for mounting 4 x 16 ❺ (Use when joining room air conditioner parts)		1

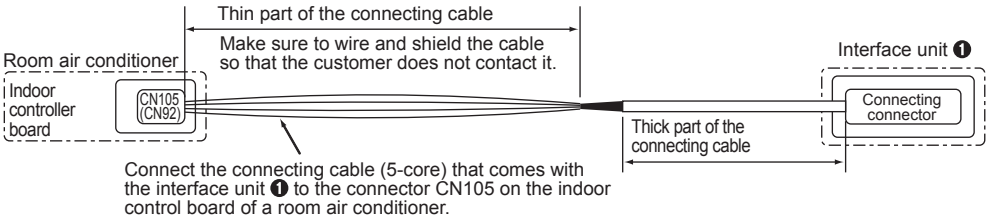
Item to be Prepare at the Installation Site

Ⓐ	M-NET communication cable	2-core shield cables CVVS/CPEVS,1.25 mm² [AWG 16] or more.* • When cross-wired by same terminal box, 1.25 mm² [AWG 16] is used. CPEVS: PE insulated PVC jacketed shielded communication cable CVVS: PVC insulated PVC jacketed shielded control cable PE: Polyethylene PVC: Polyvinyl chloride
Ⓑ	Remote control cable (for connecting the ME Remote Controller)	2-core shield cables CVVS/CPEVS* • When the distance from the interface unit ❶ is less than 10 m: 0.3 mm² [33 ft.: AWG 22] or more.* • When the distance from the interface unit ❶ is not less than 10 m: 1.25 mm² [33 ft.: AWG 16] or more.*
Ⓒ	Remote control cable (for connecting the MA Remote Controller)	2-core sheath cable 0.3 mm² to 1.25 mm²* [AWG 22 to 16]*
Ⓓ	Signal cable (also used as extension cable)	Sheath cable 0.3 mm² [AWG 22] or more.* • When remote control: The extension cable of Lead wires ⓾ • When status signal output: The cable for relay connection, or cable for DC power
Ⓔ	Related parts sold separately	Prepare the necessary number of parts sold separately as needed for your system.

* Please use cable with supplementary insulation.
Use wires which have insulation more than the MAX voltage.
MAX voltage is defined according to the law of the country where the interface is used.

5. Connecting the SYSTEM CONTROL Interface to a room air conditioner

● Connect the interface unit ❶ and the indoor control board of a room air conditioner using the connecting cable (5-core) that comes with the interface unit ❶.



⚠ Warning

Securely fix the connecting cable in the designated place. Failure to do so may cause an electric shock, fire, or malfunction.

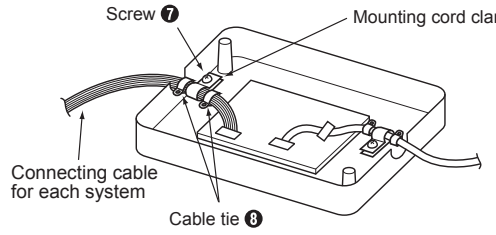
● The connecting cable (5-core) connected to a room air conditioner should be wired according to the room air conditioner installation manual.

Notes
- Extending or shortening the connecting cable (5-core) that comes out of the interface unit ❶ cause it to malfunction. Also, keep the connecting cable (5-core) as far as possible away from the electrical wires and ground wire. Do not bundle them together.
- To prevent the board from being damaged by static electricity, always remove static electricity before starting work.

6. Connecting the SYSTEM CONTROL Interface with each system

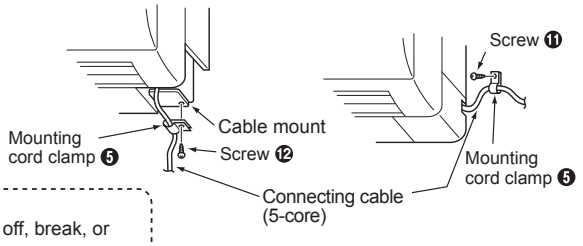
(For details on each system, see the relevant instruction manual.)

● Screw the mounting cord clamp ❹~❻ according to the thickness of the connecting cable used for each system. Fasten the cable tie ❽ as shown in the figure to prevent undesirable movement of the connecting cable.



● The connecting cable (5-core) connected to a room air conditioner should be mounted at the room air conditioner or its vicinity.

If the screw for the cable mount of the room air conditioner cannot be used, replace with the screw for mounting ⓬.



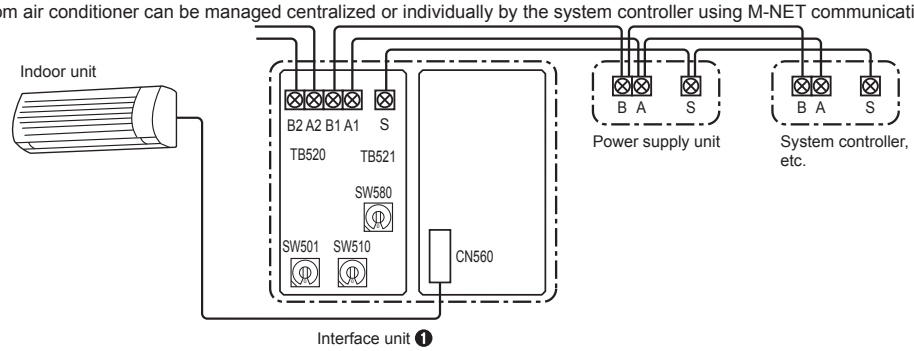
Notes
- If the connecting cable is not securely mounted, the connector may come off, break, or malfunction.
- The dip switch (SW500, SW502) and the rotary switch (SW501, SW510, SW580) on the interface unit ❶ do not operate if they are not set correctly.

● Conduct the settings of the interface unit ❶ dip switch (SW500, SW502) and rotary switch (SW501, SW510, SW580) before turning on the power.

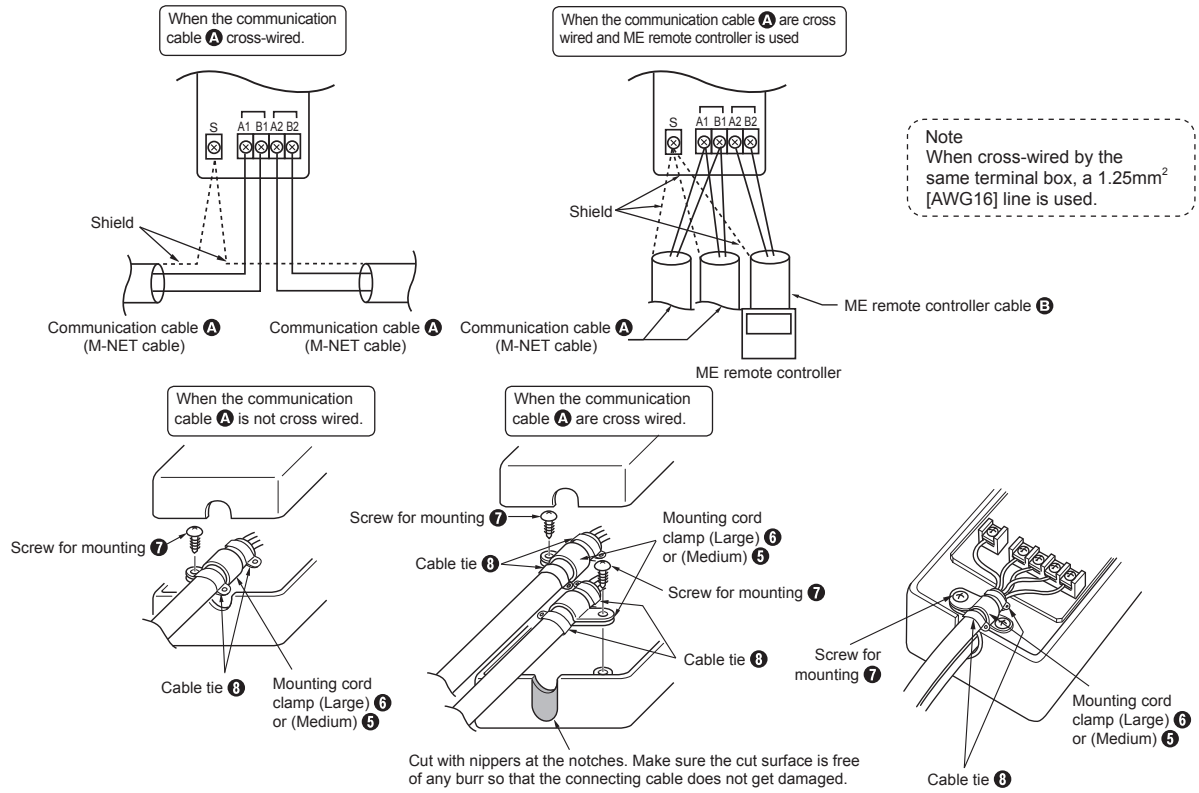
7. Connecting with M-NET system

■ Connecting the SYSTEM CONTROL Interface to M-NET cable

The room air conditioner can be managed centralized or individually by the system controller using M-NET communications control.



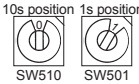
- To connect with the system controller and ME remote controller, connect the M-NET communication cable Ⓐ or ME remote control cable Ⓑ with TB520. (It is unpolarized.) Connect 2 core communication cable with A1/B1 or A2/B2. (There will be no problems with connecting to either one.)
- Cross the shield portion of each connecting cable using the S terminal only when cross wiring the communication cables Ⓐ.
- After wiring is complete, mount securely with any of mounting cord clamp ❹ to ❻, and fix with cable tie ❽ as shown in the figure.



* To prevent penetration by condensation, insects, etc., seal the opening well with putty.

Notes
- Electrical work should be performed in accordance with the Technical Standards Regarding Electrical Equipment and the Interior Wiring Standards.
- Connecting wires and remote control cables should be located as far away from other electrical wiring as possible. Placing them too closely together could cause a malfunction.
- To connect with the M-NET system and MA remote controller, connection is limited to only one unit of the MA remote controller.
- Do not put in the same group as City Multi or P series.
- Test run cannot be conducted from the ME remote controller or the system controller.

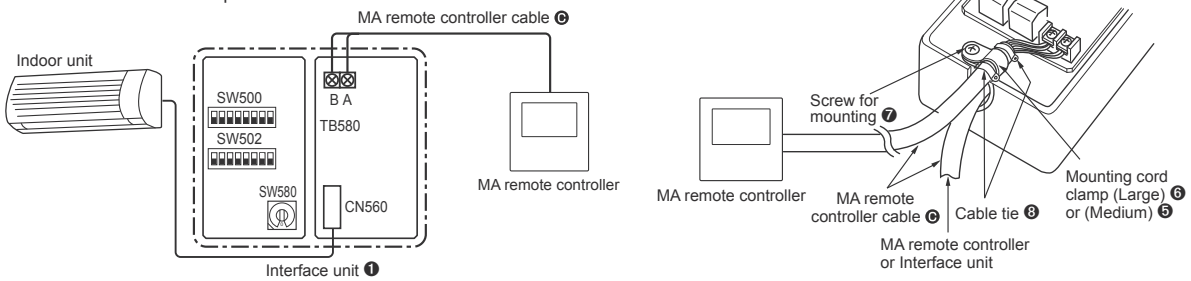
■ Setting when M-NET is connected

SW No.	Address	Comments
SW510 SW501	M-NET address 10s position 1s position  SW510 SW501	SW510 sets the 10s position of the address and SW501 sets the 1s position of the address. (Address setting can be set from 01 ~ 50.) For example, to set a unit to the address 25, set SW510 to “2” and SW501 to “5.” * The figure to the left is for address 1.
SW580	Refrigerant address  SW580	When the MA remote controller is not used, set the refrigerant address (SW580) to “1.”

8. Connecting with MA remote controller

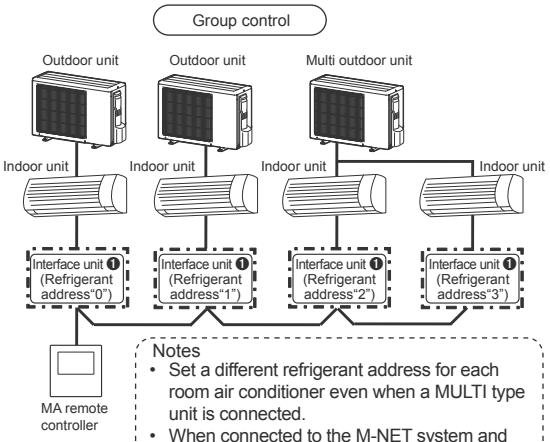
■ Connecting the SYSTEM CONTROL Interface to MA remote controller

A room air conditioner can be operated with the wired remote control.



- To connect with the MA remote controller, connect the MA remote control cable ⓒ with TB580. (It is unpolarized.)
- When more than one unit of room air conditioner is operated in a group, make a cross wire connection at TB580 with the MA remote control cable ⓒ.
- The MA remote controller can carry out simultaneous control of up to 16 sets of room air conditioners.
- Up to two MA remote controllers can be connected in one group.
  However, up to one can be connected when using PAR-CT0✻MA.
- Wiring length from the interface at the refrigerant address “0” to the MA remote controller should be less than 10 m [33 ft.].
- To operate the room air conditioner in a group, make the total length of wiring for the MA remote controller less than 50 m [164 ft.].

Notes
- Be sure to set the “Auto Heating/Cooling Display Setting” of the MA remote controller OFF before use.
  * For details on the “Auto Heating/Cooling Display Setting”, refer to the MA remote controller instruction manual.
  * When the “Auto Heating/Cooling Display Setting” is ON, the remote controller display may differ from the actual operating status of the unit.
- A test run cannot be initiated using the test run switch on the MA remote controller.
- Group control with CITY MULTI is unable.
- When you use the PAR-CT0✻MA with M-NET system, follow the restrictions below.
  1. Be sure to set “Brightness setting” of PAR-CT0✻MA to “Low”.
  2. The wiring length from the interface at the refrigerant address “0” to the PAR-CT0✻MA should be less than 7 m [23 ft.].
  3. Some room air conditioners cannot be used.
     Make sure the room air conditioner can be used before installing it.
  4. Do not use the external output (CN104) of the indoor unit.
     * If the indoor unit does not have the external output (CN104), you cannot use the PAR-CT0✻MA with M-NET system.
- When you use the PAR-4✻MA with M-NET system, follow either one of the restrictions below.
  - Be sure to set “Brightness setting” of PAR-4✻MA to “Low”.
  - Do not use “Setting Signal Output” of this interface unit.



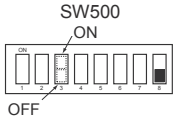
Notes
- Set a different refrigerant address for each room air conditioner even when a MULTI type unit is connected.
- When connected to the M-NET system and group control is executed using the MA remote controller, the group setting needs to be set on the M-NET system controller side.

■ Setting when MA remote controller is connected

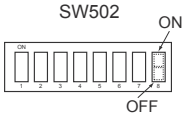
●Setup of an refrigerant address

SW No.	Refrigerant address	Comments
SW580	Address can be set from 0 to 15 	• Set the refrigerant address of the unit that supplies electric power to the MA remote controller to “0.” • When carrying out group operation of two of more room air conditioners, set different refrigerant addresses within the group. *A to F of the rotary switch correspond to refrigerant addresses 10 to 15.

●Setup of Room temperature detector position

Functions	SW No.	Operating details
Room temperature detector position	SW500 	SW500-3: OFF • Temperature detected by suction temperature sensor of the unit is made to be room temperature. SW500-3: ON • Temperature detected by temperature sensor of the remote controller is made to be room temperature.

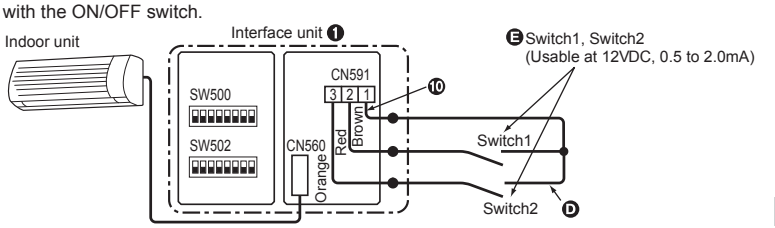
●Setting when P series is mixed in the same group (only when running group operation using the MA remote controller)

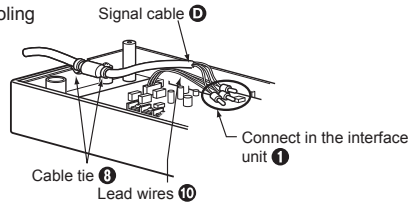
Functions	SW No.	Operating details
P series is mixed in the same group	SW502 	SW502-8: OFF • Set to OFF when P series is not mixed in the same group. SW502-8: ON • Set to ON when P series is mixed in the same group.

9. Remote Control

■ Connecting the SYSTEM CONTROL Interface

You can turn room air conditioner on/off, prohibit/allow manual operations, or input of heating/cooling with the ON/OFF switch.

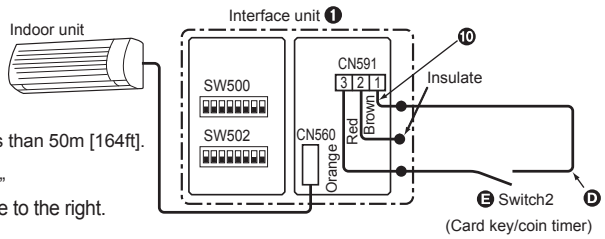




- ●Connect CN591 with Switch1 and Switch2 as shown in figure above.
- ●Connect the supplied lead wires (3-core) ❿ to the connector CN591 on the interface unit.
- ●Connect the supplied lead wires (3-core) ❿ to the connecting cable Ⓓ in the interface ❶ as shown in the figure on the right side.
- ●Wiring length from the interface to the Switch1 and Switch2 should be less than 50m [164ft].
- ●Procure and wire locally the remote control part including the switches.
- ●For each connection pattern, refer to "Setting when using remote control."

*When using a Card key/Coin timer, make connections shown in the figure to the right.

Card key coin timer connection



■ Setting when using remote control (Select one between No.1 through 5 and set.)

*Set No.1, No.6, and No.7 when using the card key/coin timer.

No.	Functions	SW No.	How to use	Operating details
1	ON/OFF Manual operation prohibited/allowed (Level Contact)	SW500 / SW502	Brown 1 / Red 2 / Orange 3 — CN591 Switch1: ON/OFF Switch2: Manual operation prohibited/allowed	• Unit is turned on when Switch1 has a short-circuit, and off when open. (Regardless of the Switch1 operation condition, the latest operation is prioritized.) • When Switch2 has a short-circuit, manual operation is prohibited,* and when open, manual operation is allowed. • When SW502-4 is turned on, the opening and short-circuiting of Switch1 and Switch2 result in their operating in the opposite manner. *When manual operation is prohibited, ON/OFF operation of the wireless remote controller, the MA remote controller, and the ME remote controller is prohibited. (Operation from Switch1 and M-NET system controller is possible.)
2	ON/OFF Manual operation prohibited/allowed (Pulse Contact)	SW500 / SW502	Brown 1 / Red 2 / Orange 3 — CN591 Switch1: ON/OFF Switch2: Manual operation prohibited/allowed	• Every time Switch1 is pressed, ON/OFF is switched over. (Regardless of the Switch1 operation condition, the latest operation is prioritized.) • Every time Switch2 is pressed, the manual operation prohibited*/the manual operation allowed is switched over. *When the manual operation is prohibited, ON/OFF operation of the wireless remote controller, the MA remote controller, and the ME remote controller is prohibited. (Operation from Switch1 and M-NET system controller is possible.)
3	ON/OFF Remote operation/ Manual operation (Level Contact)	SW500 / SW502	Brown 1 / Red 2 / Orange 3 — CN591 Switch1: ON/OFF Switch2: Remote operation/ Manual operation	• Unit is turned on when Switch1 has a short-circuit, and off when open. • When Switch2 has a short-circuit, only Switch1 is enabled (remote operation)*, when open, only Switch1 is disabled (manual operation). • When SW502-4 is turned on, the opening and short-circuiting of Switch1 and Switch2 result in their operating in the opposite manner. *In remote operation, ON/OFF operation from the wireless remote controller, the MA remote controller, the ME remote controller, and the M-NET system controller cannot be used.
4	ON, OFF (Pulse Contact)	SW500 / SW502	Brown 1 / Red 2 / Orange 3 — CN591 Switch1: ON Switch2: OFF	• Unit is turned on no matter how many times Switch1 is pressed. • Unit is turned off no matter how many times Switch2 is pressed. And regardless of the Switch1, Switch2 operation condition, the latest operation is prioritized. • ON/OFF operation from the wireless remote controller, the ME remote controller, the MA remote controller, and the M-NET system controller is enabled.
5	Heating/cooling input (Level Contact)	SW500 / SW502	Brown 1 / Red 2 / Orange 3 — CN591 Switch1: ON/OFF Switch2: Heating/Cooling	• Unit is turned on when Switch1 has a short circuit, and off when open. • Heating runs when Switch2 has a short circuit, and cooling runs when open. • When SW502-4 is turned on, the opening and short-circuiting of Switch1 and Switch2 result in their operating in the opposite manner. * As for ON/OFF operation and heating/cooling operation from the wireless remote controller, MA remote controller, ME remote controller, system controller, Switch1, and Switch2, the latest operation is prioritized.

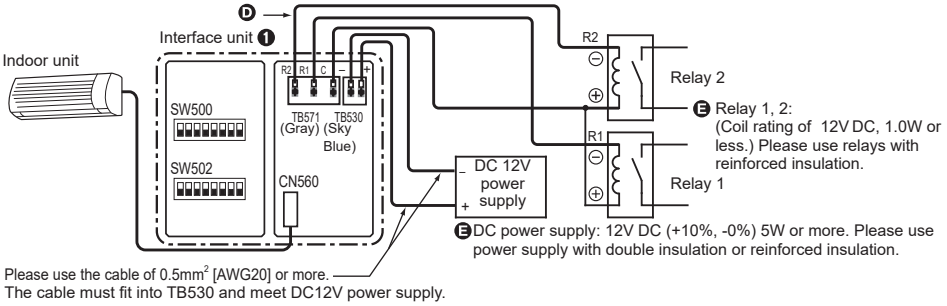
■ Setting operation (Valid only for No.1 and No.2. The following 2 functions can be used at the same time.)

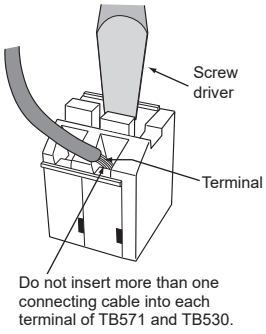
No.	Functions	SW No.	How to use	Operating details
6	Behavior when operation is prohibited.	SW502 ON / OFF	Operational status of room air conditioner when manual operation is prohibited can be set.	SW502-5: OFF • When manual operation is prohibited by Switch2, operational status is maintained as that before manual operation is prohibited. SW502-5: ON • When manual operation is prohibited by Switch2, the room air conditioner turns off.
7	Behavior when prohibition of operation is canceled.	SW502 ON / OFF	Operational status of room air conditioner when prohibition of manual operation is canceled can be set.	SW502-6: OFF • When prohibition of manual operation is canceled by Switch2, operational status is maintained as that before cancelation. SW502-6: ON • When prohibition of manual operation is canceled by Switch2, the room air conditioner turns on.

10. Setting Signal Output

■ Connecting the SYSTEM CONTROL Interface

Each relay can be turned ON/OFF by synchronizing with the room air conditioner's ON/OFF, error/normal, Heater ON/Heater OFF, and Humidifier ON/Humidifier OFF.

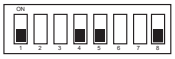
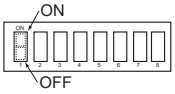
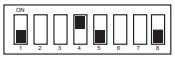
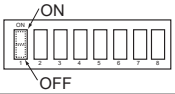
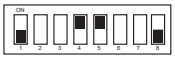
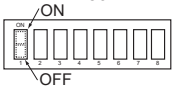
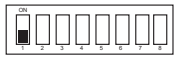




Notes
- Connecting terminal TB530 for power supply is polarized, so confirm proper polarity of the terminals before connecting.
- Do not connect 12V DC from the DC power supply to TB571.
- Confirm polarity when using a diode built-in relay. C of TB571 is electropositive potential ⊕, and R1 and R2 are negative potential ⊖.

- For TB571 and TB530, insert wiring after inserting the flathead screwdriver into the terminal.
- Appropriate electric wire for TB571 and TB530 is as follows. Stranded wire: 0.3mm² to 1.25mm² [AWG22 to 16] Solid wire: ø0.4mm to ø1.2mm [ø1/64in. to ø3/64in.]
- Peeling dimension of the electric wire for TB571 and TB530 is 7mm to 10mm [9/32in. to 25/64in.].
- Wiring length from the interface to Relay 1 and Relay 2 should be less than 50m [164ft].

■ Setting when using Status Signal Output

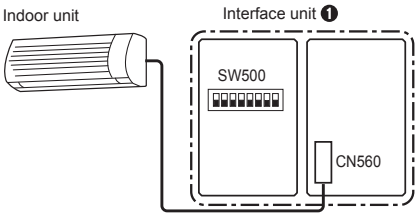
Functions	SW No.	Operating details
ON/OFF, Error/ Normal Output	SW500  SW502 	SW502-1: OFF • Relay 1 is on when room air conditioner is on, and off when room air conditioner is off. • Relay 2 is on when room air conditioner is in error, and off when room air conditioner is operating normally. SW502-1: ON • Relay 1 and 2 behavior are opposite of those above.
ON/OFF, Heater Control Output	SW500  SW502 	SW502-1: OFF • Relay 1 is on when room air conditioner is on, and off when room air conditioner is off. • When the air conditioner runs in the heating (automatic heating) mode and room temperature becomes the set temperature - 2.5 ºC (4.5 ºF) or lower, the Relay 2 (heater) turns on. When the air conditioner runs in a mode other than the heating (automatic heating) or it is OFF, or when room temperature becomes the set temperature or higher, the Relay 2 (heater) turns off. SW502-1: ON • Relay 1 and 2 behavior are opposite of those above.
ON/OFF, Humidifier Control Output	SW500  SW502 	SW502-1: OFF • Relay 1 is on when room air conditioner is on, and off when room air conditioner is off. • When the air conditioner runs in the heating (automatic heating) mode, Relay 2 (humidifier) turns on. When the air conditioner runs in a mode other than heating (automatic heating) or it is OFF, Relay 2 (humidifier) turns off. SW502-1: ON • Relay 1 and 2 behavior are opposite of those above.
Heater Control, Humidifier Control Output*	SW500  SW502 	SW502-1: OFF • When the air conditioner runs in the heating (automatic heating) mode and room temperature becomes the set temperature - 2.5 ºC (4.5 ºF) or lower, Relay 1 (heater) turns on. When the air conditioner runs in a mode other than the heating (automatic heating) or it is OFF, or when room temperature becomes the set temperature or higher, Relay 1 (heater) turns off. • When the air conditioner runs in the heating (automatic heating) mode, Relay 2 (humidifier) turns on. When the air conditioner runs in a mode other than heating (automatic heating) or OFF, Relay 2 (humidifier) turns off. SW502-1: ON • Relay 1 and 2 behavior are opposite of those above.
ON/OFF, Humidifier Control (single operation) Output	SW500  SW502 	Relay 1 is on when ON is set by System controller, ME remote controller or MA remote controller, and off when OFF is set by these controllers. When room temperature becomes the set temperature or lower in the heating (automatic heating) mode, the Relay 2 (heater) turns on. When a mode other than heating (automatic heating) or OFF is set by System controller, ME remote controller or MA remote controller, or when room temperature becomes higher than the set temperature + 1 ºC (2 ºF), the Relay 2 (heater) turns off. * This function is to run the heater instead of the air conditioner in the heating mode. The air conditioner stops in the heating mode. Do not use the remote controller attached to the air conditioner. If you use it, the operation may not reflect the setting. The position of detecting the room temperature is where MA remote controller is put, so make sure to connect it to the interface unit.

11. Turn on/off with power

The room air conditioner turns on when power is supplied.

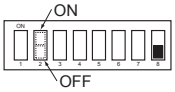
- When using for the first time, set to the operational status of your choice with the remote controller and leave the power off for 1 minute.

* When not used for a long period of time, you should set to the operational status of your choice again with the remote controller.



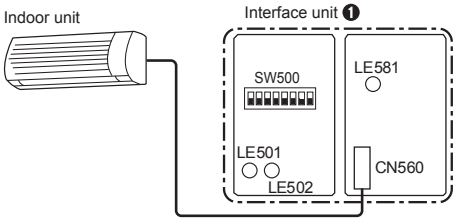
Notes
- The turn on/off with power function cannot be used when connected to multiple outdoor units.
- When starting two or more room air conditioners by using the turn on/off with power function, make the system so they do not recover simultaneously. (To avoid inrush current, start sequentially.)

Setting when using Turn on/off with power

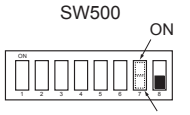
Functions	SW No.	Operating details
Turn on/off with power	SW500 	SW500-2: OFF • After the power is supplied, the room air conditioner resumes working in the previous running condition. When AUTO RESTART FUNCTION is not set to the room air conditioner, it remains off. SW500-2: ON • The room air conditioner turns on when power is supplied.

12. Interface status monitor

You can check the status of the interface unit by the LED lamp on the interface unit ❶ board.

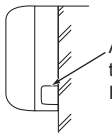


- Use the table below to check communications. If communications cannot be carried out normally, check that the relevant communications line is not disconnected from the connector or terminal box.

Functions	SW No.	Operating details
Interface status monitor	SW500 	SW500-7: OFF ● LE501 (Orange): When blinking at an interval of about 1 second, the Interface unit is communicating normally with the room air conditioner. When the lamp is off, the Interface unit is not communicating normally with the room air conditioner. ● LE502 (Red): When blinking at an interval of about 1 minute, the Interface unit is communicating normally with the M-NET controller. When the lamp is off, the Interface unit is not communicating normally with the M-NET controller. SW500-7: ON ● LE501 (Orange): When blinking at an interval of about 10 second, the Interface unit is communicating normally with the MA remote controller. When the lamp is off, the Interface unit is not communicating normally with the MA remote controller. ● LE502 (Red): Extinguished * LE581 (Orange) displays the following status irrespective whether SW500-7 is on or off. ● When lit, power is supplied to the MA remote controller from the Interface unit ❶. When extinguished, power is not supplied.

13. Mounting the SYSTEM CONTROL Interface Unit

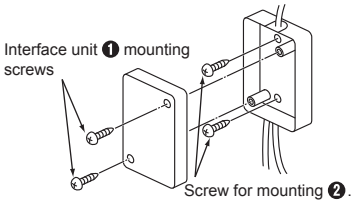
Notes
- The Interface unit ❶ should be placed in a location where the connecting cable (5-core) from the interface unit ❶ can reach an indoor unit.
- The device will not function properly the connecting cable is extended, so the connecting cable (5-core) should no be extended.
- Mount the interface unit ❶ securely to a pillar or wall using 2 or more screws ❷.

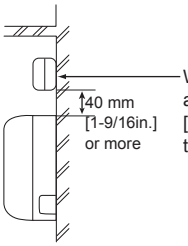


Attach the connecting cable (5-core) of the interface unit ❶ here. Store extra connecting cable (5-core) in the ductwork space behind the air conditioner.
If there is any slack in the connecting cable (5-core), use a fastener ❾ to keep it in place.

■ When Mounting Directly to a Wall

Mount the interface unit ❶ case to the wall using the mounting screws ❷.

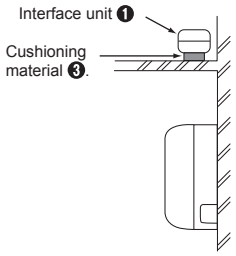




When the interface unit ❶ is mounted above an indoor unit, it should be positioned 40 mm [1-9/16in.] or more away from the unit to ensure that ceiling grills can be removed.

■ When mounting the interface unit inside a ceiling

When mounting the interface unit ❶ inside a ceiling or wall, install an access door to facilitate maintenance.



* When mounting the interface unit ❶ using a cushioning material ❸, be sure to mount it in a location where it will not fall.

14. Notes Regarding Use

The following control information should be thoroughly explained and provided to the users of this device. (Please provide these instructions to the user once the installation is complete.)

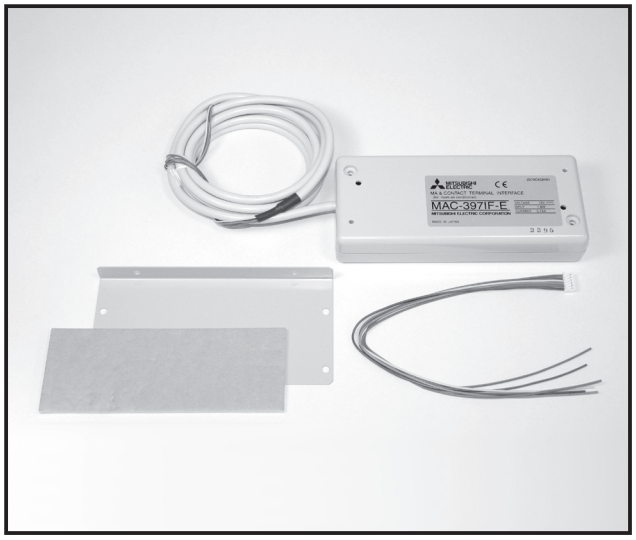
This Interface unit ❶ operates room air conditioners using the controls of a City-Multi or P series, but there are several limitations imposed as a result of the functional differences between room air conditioners and packaged air conditioners.

1. When operating the system using a System Controller, MA Remote Controller, or ME Remote Controller these operations will not appear on the display of the wireless remote controller.
2. When original dehumidification mode is set with the remote controller attached to the room air conditioner, “Dry” is displayed because there is no mode corresponding to dehumidification on the MA remote controller, ME remote controller, and the system controller.
3. Because the temperature range of the room air conditioners is broader than a System Controller, MA Remote Controller, or ME Remote Controller, when the room air conditioners is set to lower than 17°C (63ºF) or higher than 30°C (87ºF), the temperature display on the a System Controller, MA Remote Controller, or ME Remote Controller will show the minimum or maximum temperature that can be set. (For example, even if the room air conditioner is set to cool a room to 16°C (61ºF), the display on a System Controller, MA Remote controller, or ME Remote Controller may read “17°C” (63ºF)).
4. Timer operations should be set using only the remote controller that came with the room air conditioners or the a System Controller, MA Remote Controller, or ME Remote Controller. If both are used to set the timer to the same time, the timer will not function properly.
5. When “Manual operation prohibited” (ON/OFF, setting temperature, operation mode) is set with the system controller, the corresponding operation by the remote controller attached to the room air conditioner is not accepted, but allowed operation is reflected. A beep sounds during operation to confirm reception.
6. A part of functions including the operation of horizontal air blow direction cannot be used from the ME remote controller, the system controller, and the MA remote controller.
7. “Manual operation prohibited” (filter sign, air direction, fan speed, timer) cannot be set by system controller.

15. Specifications

Indoor unit side	Input voltage	12V ⎓
	Power consumption	1.8W
	Input current	0.15A
Power supply unit side	Input voltage	12V ⎓
	Power consumption	4.8W
	Input current	0.4A

Photo



Descriptions

Enables to control multiple air conditioners from a (remote) location by connecting the On/Off contact point. It can also control the operation of the relay with error signals by connecting the MA remote controller PAR-40MAA.

Applicable Models

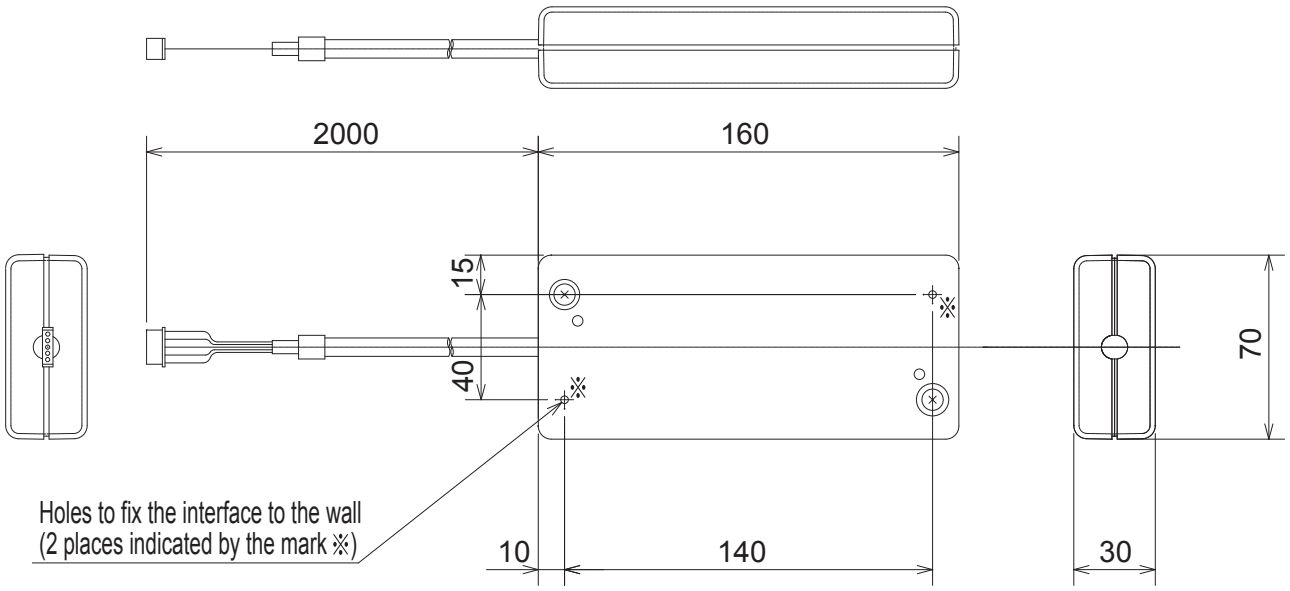
- MSZ-LN18,25,35,50,60VG2
- MSZ-FT25,35,50VG
- MSZ-AP15,20VG
- MSZ-AP25,35,42,50,60,71VG
- MSZ-EF18,22,25,35,42,50VGW,B,S
- MSZ-BT20,25,35,50VG
- MSZ-HR25,35,42/50,60,71VF
- MSY-TP35,50VF
- MSZ-FH25,35,50VE2
- MSZ-SF15,20VA
- MSZ-SF25,35,42,50VE3
- MSZ-GF60,71VE2
- MSZ-WN25,35VA
- MSZ-DM25,35VA
- MFZ-KT25,35,50,60VG
- MFZ-KJ25,35,50VE2
- MLZ-KP25,35,50VF
- S-series models
- P-series models: In the case the outdoor unit is SUZ or MXZ, the indoor of P-series can be connected.
  (Except PLA-M100,125,140EA, PCA-M71HA, PCA-M100,125,140KA and PSA-RP・KA)

Specifications

Power		12V DC (supplied from indoor unit)
Operating conditions		Indoor only (ambient temperature: 0 to 40℃, no condensation)
Connection of centralized controller	Communication cable	3-wire (recommended: microphone cord (MVVS) 0.3mm²)
	Communication cable distance	Max. 100m
Connection of MA smooth remote controller / MA deluxe remote controller	Communication cable	2-wire (recommended: optional PAC remote controller cable PAC-YT81HC)
	Communication cable distance	Max. 10m
Indoor unit connecting cable		Dedicated 5-wire cable
Weight		300g (including indoor unit connecting cable)

Dimensions

Unit : mm



1. Before Installation

1.1. How to Use the MA & CONTACT TERMINAL Interface

■ Functions

Centralized control (Fig. 1-1)

You can turn multiple air conditioners on and off from one location. (MAC-821SC-E (8-Room))

Use as wired remote controller (Fig. 1-2)

You can use the MA remote controller as a wired remote controller.
(PAR-21MAA)

Remote control (Fig. 1-3)

You can turn on and off an air conditioner from a remote location by connecting the ON/OFF contact point.

Status indicator output (Fig. 1-4)

You can control the operation of the relay with either of the on/off or error/ok status output signals.

■ Sample System Configuration

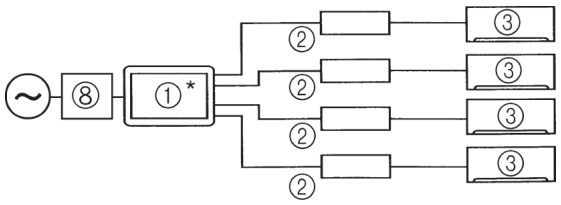


Fig. 1-1

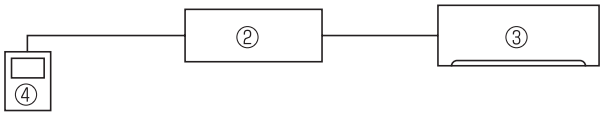


Fig. 1-2

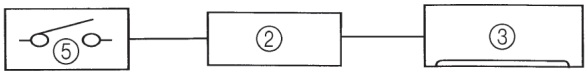


Fig. 1-3

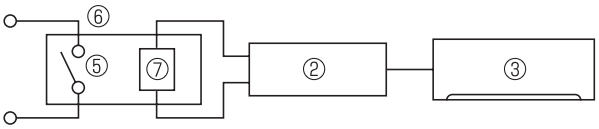


Fig. 1-4

① Centralized controller (MAC-821SC-E)
② MA & CONTACT Terminal Interface
③ Indoor Unit
④ MA remote controller
⑤ Contact point
⑥ Relay
⑦ Coil
⑧ Breaker

* A separate AC power supply is required for centralized controller.

1.2. Parts

Before installing the unit, make sure that you have all the necessary parts.

■ Accessory

(1)	Interface unit (with 5-coreconnecting cable)	1
(2)	Wall mouniing brackets	1
(3)	Screws for mounting (2) 3.5 × 12	4
(4)	Cushioning material (with adhesive)	1
(5)	Mounting cord clamp (small)	1
(6)	Mounting cord clamp (medium)	2
(7)	Mounting cord clamp (large)	1
(8)	Screws for mounting (5)-(7) 3.5 × 12 * Use when attaching the clamps to the interface unit	1
(9)	Screws for mounting (6) 4 × 10 * Use this when mounting the clamps near the M series	1
(10)	Screws for mounting (6) 4 × 16 * Use when mounting the clamps and electrical wire mounting bracket	1
(11)	Cable tie	3
(12)	Fasteners (for joining the lead wires)	3
(13)	Cord clamps for wiring	3
(14)	Screws for mounting (13) 3.5 × 12	3
(15)	Screws 3.5 × 12 (Spare)	2
(16)	Lead wires (6)	1

■ Items to Be Prepare at the Installation Site

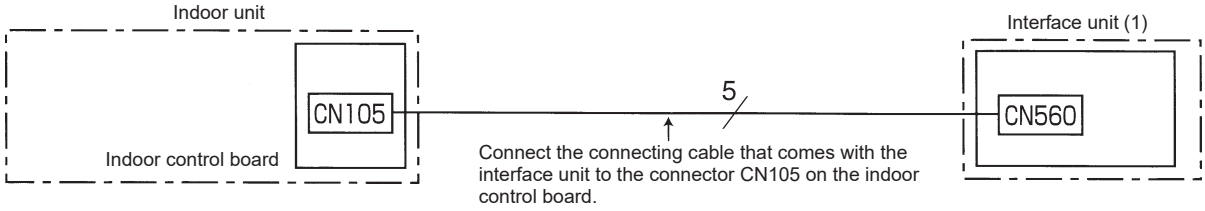
(A)	Signal wires (also used as extension wires)
(B)	Remote control wires (for connecting the MA Remote Controller) 2-corewire between 0.3 and 1.25mm^2.
(C)	Switch, relay, coin timer, etc. (if necessary) * Please use products with supplementary insulation.

Use wires which have insulation more than the MAX voltage.
* MAX voltage is defined according to the law of the country where the interface is used.

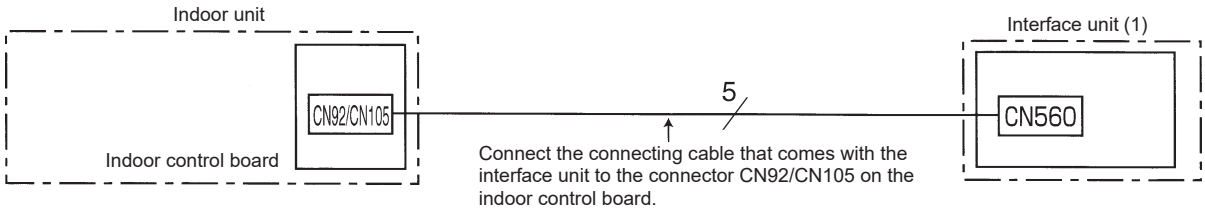
2.Connecting the MA & CONTACT TERMINAL Interface to Indoor Unit

- Connect the interface unit and the indoor control board using the connecting cable that came with the interface.
- Extending or shortening the connecting cable that comes out of the interface may cause it to malfunction. Also, keep the connecting cable as far as possible away from the electrical wires and ground wire. Do not bundle them together.

M series



P/S series

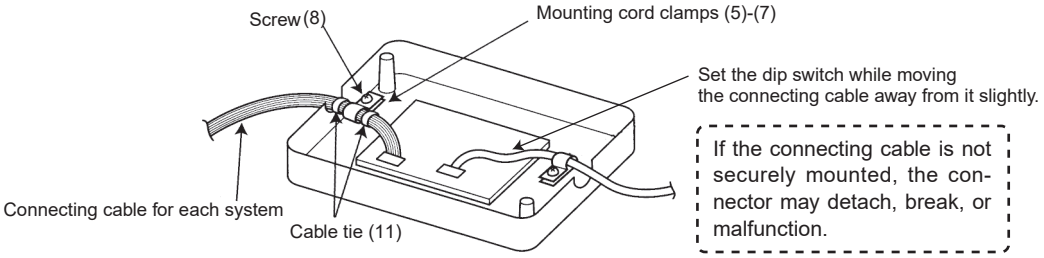


- When this interface unit is connected with indoor unit, timer operation cannot be set from a wireless remote controller.
- When this interface unit is connected with the indoor unit, i-see sensor control cannot be used.Normal cooling or heating operation is performed.(MSZ-FA Series only)

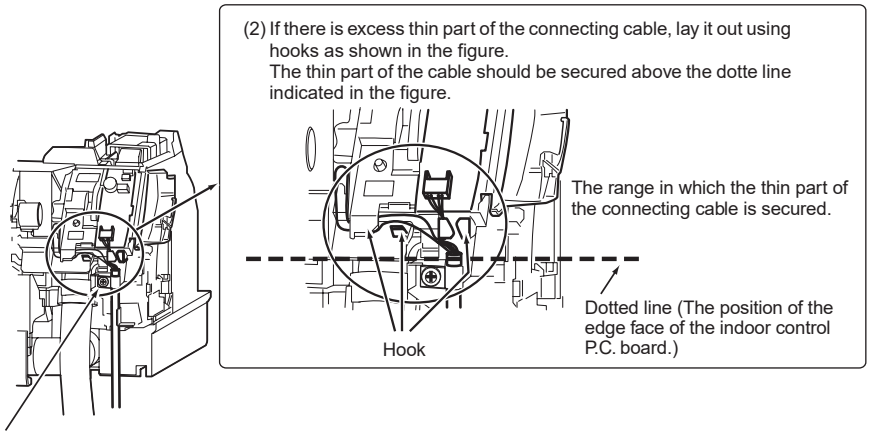
3. Connecting the MA & CONTACT TERMINAL Interface with each system

(For details on each system, see the relevant instruction manual.)

- Screw the mounting cord clamp (5)-(7) according to the thickness of the connecting cable used for each system. Fasten the cable tie (11) as shown in the figure to prevent undesirable movement of the connecting cable.



- The cables connected to the indoor unit should be mounted on or near the indoor unit.

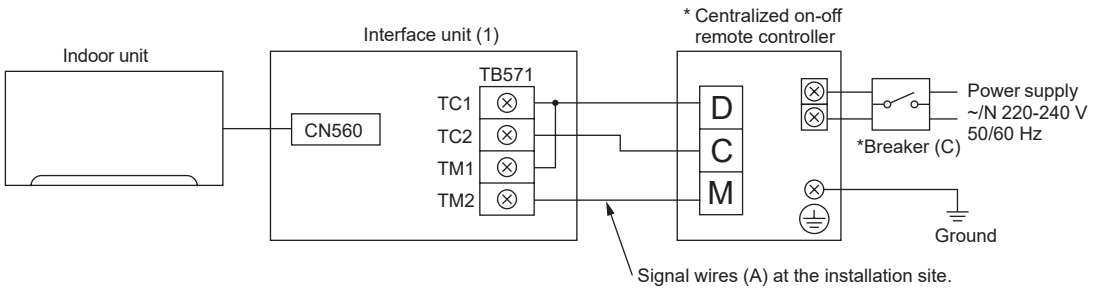


(1) Attach a mounting cord clamp (5)-(6) to the thick part of the connecting cable, and fix it with a screw 4 × 10 (9).

(3) Close the cover of the indoor control P.C. board. Reinstall the front panel and the lower right corner box.

- Set the interface dip switch (SW500–502) settings before turning on the power.
- If the interface dip switch (SW500–502) settings are not set correctly, the system will not function properly.

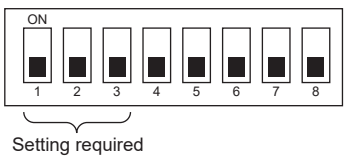
3.1. Centralized Control (When Connecting to a Centralized on-off remote Controller)



* Refer to the installation manual of centralized on-off remote controller.

Dip switch settings

■SW500



■SW501 and SW502 do not have to be set.

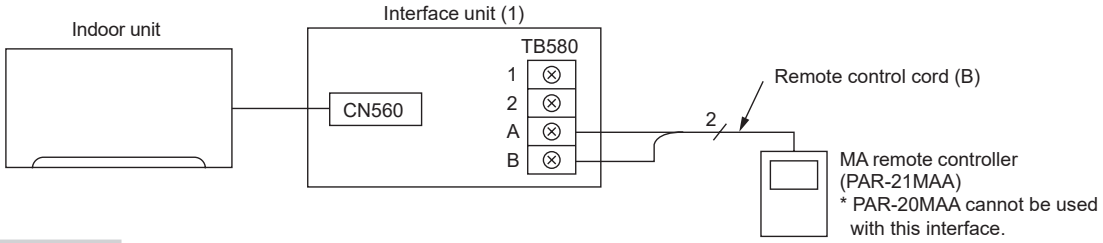
SW501

SW502

3.2. Use as a Wired Remote Controller (Using the MA Remote controller)

Note:

1. **Be sure to set the "Auto Heating/Cooling Display Setting" of the MA remote controller OFF before use. When the setting is turned ON, the remote controller display may differ from the actual operating status of the unit.**
   - **For details on the "Auto Heating/Cooling Display Setting," refer to the MA remote controller instruction manual.**
2. **A test run cannot be initiated using the test run switch on the MA remote controller.**
3. **The horizontal vanes on the unit cannot be operated using the louver switch.**
4. **The range of room temperature indication is between 10°C and 38°C.**



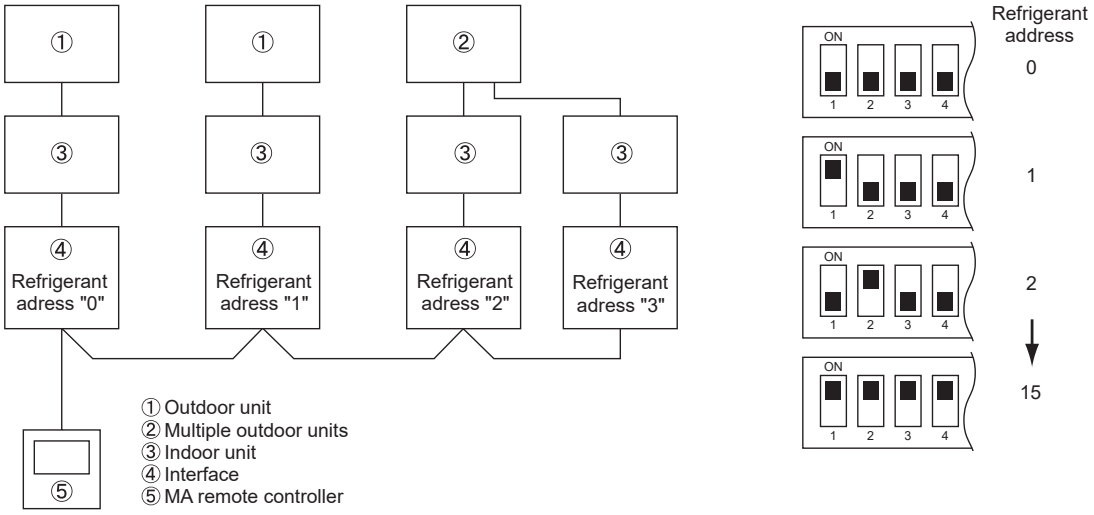
Dip switch settings

■ **SW500 does not have to be set.**

■ **SW501:**

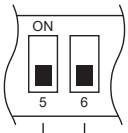
SW501- No. 1-4: Refrigerant address

- Set this switch when multiple indoor units (and interfaces) are connected to a single MA remote controller.
- Always start the refrigerant address at "0".
- Even when connecting multiple outdoor units, set a different refrigerant address for each indoor unit.



SW501- No. 5-6

M series



No. 5 and 6 should normally be set to OFF.
Under the following conditions, however, they should be switched to ON.

Only turn this ON when the indoor units in the same group include models where the MA remote controller and indoor unit are directly connected.

Turn this ON only when using the room temperature sensor installed in the MA remote controller .

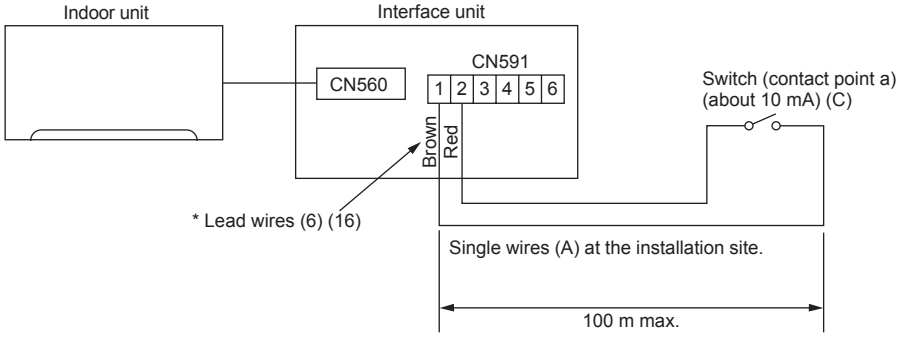
* This can be switched when an accurate room temperature cannot be detected by the air conditioner unit. MSZ-GA and MSZ-FA Series models can not use a room temperature sensor on their MA remote controllers. (Some M series models will not allow the use of the MA remote controller room temperature sensor.)

■**SW502:**

- Set this switch based on the functions of the indoor unit connected to the interface.
- See the table of “Air conditioner Function Settings” for SW502 and set the switch after checking the functions using the wireless remote control that came with the indoor unit.

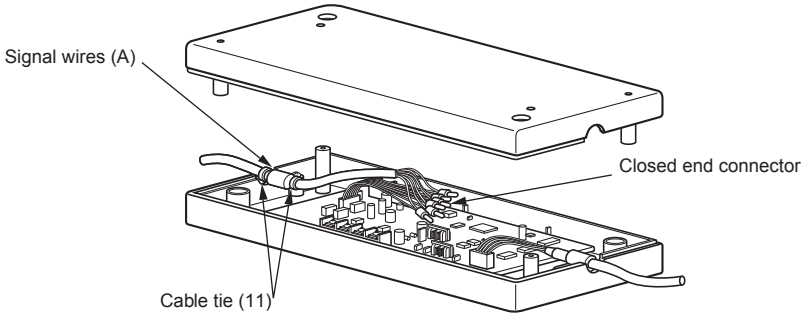
3.3. Remote Control (Turning Indoor Unit On and Off from the Contact Point)

- You can turn indoor unit on and off using an on/off switch like a light switch.
- Connect the supplied lead wires (6) (16) to the connector CN591 on the interface board.
- Wire the remote control components, including the switches, at the installation site.
- Please use extension cords with reinforced insulation.



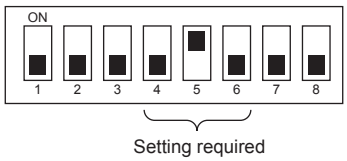
- When the switch contact point is closed (ON), the air conditioner will turn on, and when the switch contact point is open (OFF), the air conditioner will turn off.

* When connecting the connector and the lead wire, connect them using a closed end connector as shown below.



Dip switch settings

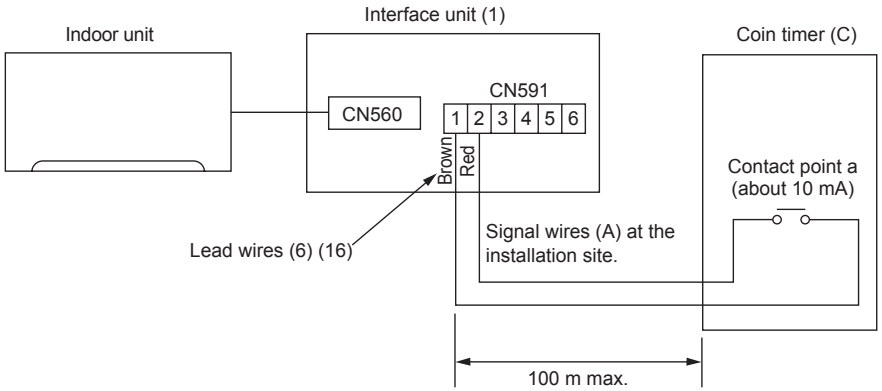
■**SW500**



■**SW501 and SW502 do not have to be set.**

3.4. Restricting Indoor Unit Operations from the Contact Point

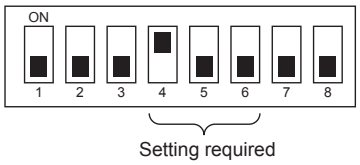
- You can use a coin timer or light switch to ensure that indoor unit will not operate.
- Connect the supplied lead wires (6) (16) to the connector CN591 on the interface board.
- Wire the remote control components, including the coin timers or switches, at the installation site.
- Please use extension cords with reinforced insulation.



* When the contact point is open, the unit will turn off and will not be operable from the remote control.
When the contact point is closed, the unit will turn on and will be operable from the remote control.

Dip switch settings

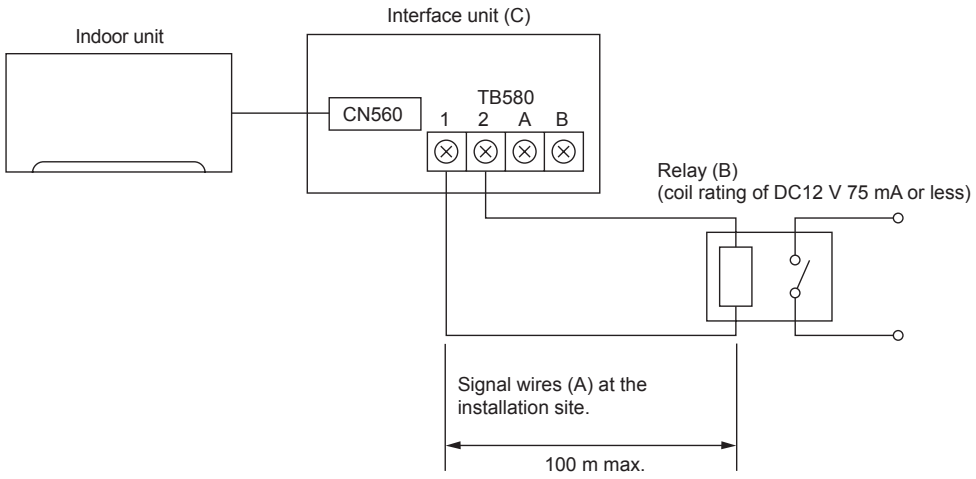
■ **SW500**



■ **SW501 and SW502 do not have to be set.**

3.5. Status Signal Output Using the Relay

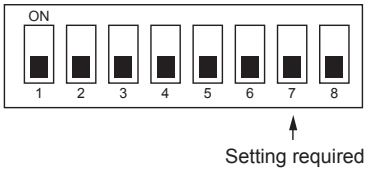
- You can set the external relay to ON/OFF based on whether the indoor unit is set to either on/off or error/ok.
- Set up and wire the relay and extension cables at the installation site.
- Please use relays with reinforced insulation.



Dip switch settings

■ **SW500**

1. When outputting the indoor unit ON/OFF



The relay is ON when the unit is running, and OFF when it is not.

2. When outputting the indoor unit ERROR/OK

The relay is ON when an error has occurred, and OFF when the unit is functioning properly.

■ **SW501 and SW502 do not have to be set.**

4. Dip Switch Details

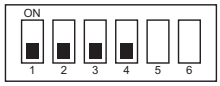
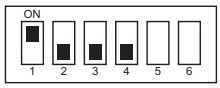
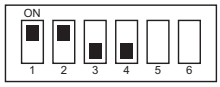
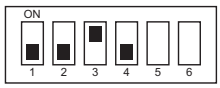
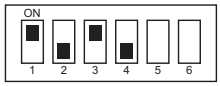
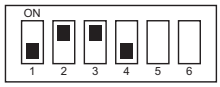
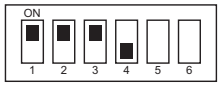
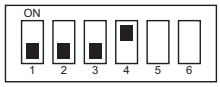
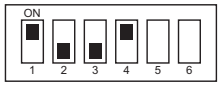
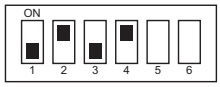
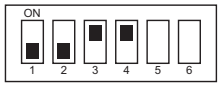
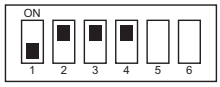
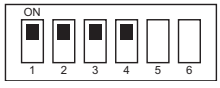
• SW500 - Input/Output Mode Settings

SW No.	Functions	OFF	ON	Comments
No. 1	Not in use	Set to OFF	-	Be sure to set these to OFF (When set to OFF, the unit cannot communicate with the air conditioner).
No. 2	HA terminal (CN504) input switch	Pulse input	Continuous input	There is a switch between TC1 and 2 input on the TB571.
No. 3	HA terminal (CN504) output switch	Static mode	Dynamic mode	
No. 4	Remote control (CN591) mode switch 1	See the next page	See the next page	
No. 5	Remote control (CN591) mode switch 2			
No. 6	Remote control (CN591) mode switch 3			
No. 7	Relay, extermination output mode switch	ON/OFF output	ERROR/OK output	When there is a problem while the unit is running, it will output a relay ON signal.
No. 8	Turn ON/OFF with power option	Turn ON/OFF with power: No (unit remains OFF when the source power is turned ON)	Turn ON/OFF with power: Yes (Returns the unit to the status (ON/OFF) it was in before the power was turned OFF)	When the Auto Restart function on the air conditioner itself is set to ON, be sure to set these to OFF.

Remote control (CN591) mode switch

<table>
<tr><th colspan="3">SW 500</th><th rowspan="2">Functions</th><th rowspan="2">Operating Details</th></tr>
<tr><th>No. 4</th><th>No. 5</th><th>No. 6</th></tr>
<tr><td>OFF</td><td>OFF</td><td>OFF</td><td>Do not use the CN591 remote control</td><td>-</td></tr>
<tr><td>OFF</td><td>OFF</td><td>ON</td><td>ON/OFF Prohibited/Allowed mode 1</td><td>Manual operations prohibited when CN591 No. 1 and No. 3 are closed, permitted when open.
Only when No. 1 and No. 3 are closed and manual operations are prohibited.
On when CN591 No. 1 and No. 2 are closed, off when open.
(Cannot be operated from the remote control when manual operations are permitted. Only valid when operated from the CN591.)</td></tr>
<tr><td>OFF</td><td>ON</td><td>OFF</td><td>ON/OFF Prohibited/Allowed mode 2 (level input)</td><td>On when CN591 No. 1 and No. 2 are closed, off when open.
Manual operations prohibited when No. 1 and No. 3 are closed, permitted when open.
(Cannot be operated from the remote control when manual operations are permitted. Only valid when operated from the CN591.)</td></tr>
<tr><td>OFF</td><td>ON</td><td>ON</td><td>ON/OFF Prohibited/Allowed mode 3 (pulse input)</td><td>On when CN591 No. 1 and No. 2 are closed, off when No. 1 and No. 3 are closed.
Manual operations prohibited when No. 1 and No. 4 are closed, and permitted when No. 1 and No. 5 are closed.
(Same as when they are open.)</td></tr>
<tr><td>ON</td><td>OFF</td><td>OFF</td><td>Coin timer mode 1 (for a no-voltage contact point a)</td><td>Permitted and on when CN591 No. 1 and No. 2 are closed, manual operations prohibited and off when open.
(When permitted, the unit can be operated from the remote control.)</td></tr>
<tr><td>ON</td><td>OFF</td><td>ON</td><td>Coin timer mode 2 (for a no-voltage contact point b)</td><td>Manual operations prohibited and off when CN591 No. 1 and No. 2 are closed, permitted and on when open.
(When permitted, the unit can be operated from the remote control.)</td></tr>
<tr><td>ON</td><td>ON</td><td>OFF</td><td>Cooling-Heating/Temperature settings mode 1 (3 temperature patterns)</td><td>On when CN591 No. 1 and No. 2 are closed, off when open.
When No. 1 and No. 3 are closed 20℃
When No. 1 and No. 4 are closed 24℃
When No. 1 and No. 5 are closed 28℃
(When multiple switches No. 3, 4, and 5 are closed, the highest temperature will be selected.)
Heat when No. 1 and No. 6 are closed, cool when open.
(Remote control operations are valid as always.)</td></tr>
<tr><td>ON</td><td>ON</td><td>ON</td><td>Cooling-Heating/Temperature settings mode 2 (8 temperature patterns)</td><td>On when CN591 No. 1 and No. 2 are closed, off when open.
<table>
<tr><th>No. 1 and No. 3</th><th>No. 4</th><th>No. 5</th><th>Temperature settings</th></tr>
<tr><td>Open</td><td>Open</td><td>Open</td><td>16℃</td></tr>
<tr><td>Closed</td><td>Open</td><td>Open</td><td>18℃</td></tr>
<tr><td>Open</td><td>Closed</td><td>Open</td><td>20℃</td></tr>
<tr><td>Closed</td><td>Closed</td><td>Open</td><td>22℃</td></tr>
<tr><td>Open</td><td>Open</td><td>Closed</td><td>24℃</td></tr>
<tr><td>Closed</td><td>Open</td><td>Closed</td><td>26℃</td></tr>
<tr><td>Open</td><td>Closed</td><td>Closed</td><td>28℃</td></tr>
<tr><td>Closed</td><td>Closed</td><td>Closed</td><td>30℃</td></tr>
</table>
Heat when No. 1 and No. 6 are closed, cool when open.
(Remote control operations are valid as always.)</td></tr>
</table>

■ **SW501: Settings when connecting an MA remote controller**

SW No.	Functions	OFF	ON	Comments
No. 1 No. 2 No. 3 No. 4	 Refrigerant address 0			Only specify these settings when connecting an MA remote controller.
	 Refrigerant address 1			
	 Refrigerant address 2			
	 Refrigerant address 3			
	 Refrigerant address 4			
	 Refrigerant address 5			
	 Refrigerant address 6			
	 Refrigerant address 7			
	 Refrigerant address 8			
	 Refrigerant address 9			
	 Refrigerant address 10			
	 Refrigerant address 11			
	 Refrigerant address 12			
	 Refrigerant address 13			
	 Refrigerant address 14			
	 Refrigerant address 15			
SW No.	Functions	OFF	ON	Comments
No. 5	Room temperature detector	Indoor unit	Remote control	This should normally be set to OFF.
No. 6	MA remote controllers are directly connected to indoor units within the same group.	Not mixed	Mixed	

■ **SW502 : Air Conditioner Function Settings**

(Set this switch based on the functions of the M series connected to this device.)

M series

SW No.	Functions	OFF	ON	Comments
No. 1	Availability of a heating mode	Combined cooler and heater	Cooling unit only	–
No. 2	Not in use	–	–	Permanently set to ON.
No. 3	Not in use	–	–	Permanently set to ON.
No. 4	Not in use	–	–	Permanently set to ON.
No. 5	Not in use	–	–	Permanently set to OFF.
No. 6	Not in use	–	–	Permanently set to OFF.
No. 7	Not in use	–	–	Permanently set to OFF.
No. 8	Availability of a fan (Cooling model only)	Has a fan or mode OFF	No fan or mode ON	–

P/S series

SW No.	Functions	OFF	ON	Comments
No.1	Cooling only type/Heat pump type	Heat pump type	Cooling only type	Set the mode in accordance with the operation manual for the indoor unit.
No.2	Auto mode	Not available (setting No. 3 disabled)	Available (setting No. 3 enabled)	Heat pump type : Set to ON. Cooling only type : Set to OFF.
No.3		Available (unit)	Available (remote controller)	Set to OFF.
No.4	Fan speed	4 speeds	3 speeds (2-speed model set ON)	When operating a 2-speed model with the 3-speed setting (ON), the MA remote controller display will indicate 3 fan speeds. The table below shows the displays and the actual outputs at that time.
No.5	Vane	Available	Not available	The Vane function of either of indoor unit : When the function is provided, it is Available (OFF). When the function is not provided it is Not available (ON).
No.6	Swing	Available	Not available	The Swing function of either of indoor unit : When the function is provided, it is Available (OFF). When the function is not provided, it is Not available (ON).
No.7	Not in use	–	–	Permanently set to OFF.
No.8	Fan mode	Not available	Available	Set to ON.

Display	Meaning	Indoor unit output
	Low speed	Low speed
	Medium speed	High speed
	High speed	High speed

* Fan speed 2 step model : An actual fan speed is 2 step though the display of remote controller becomes 4 step or 3 step.

5. Test Run (Check Operations)

■ **Interface status monitor**

You can check the status of the interface by the LED lamp on the interface unit board.

LED lamp no.	Lamp off	Lamp on	Blinking
LED521	DC 12 V is not being supplied from the air conditioner.	DC 12 V is being supplied from the air conditioner.	–
LED522	Device is not communicating properly with the air conditioner.	–	Blinking at approx. 1 second intervals: Device is communicating normally with the air conditioner.
LED523	Device is not communicating properly with the MA remote controller.	–	Blinking at approx. 8 second intervals: Device is communicating normally with the MA remote controller.

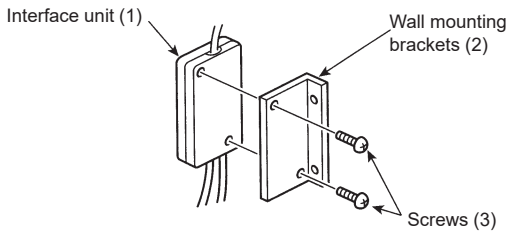
* Use the table above to check the device operations.

6. Mounting the MA & CONTACT TERMINAL Interface Unit

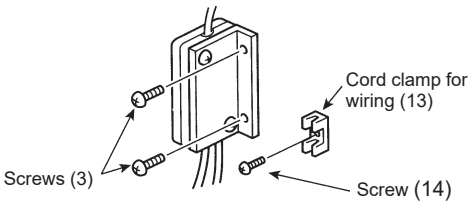
When mounting the interface to the back-side dent of MFZ-KA model, be sure to apply insulation material to prevent condensation from forming.
The Interface unit should be placed in a location where the connecting cable from the interface can reach an indoor unit.
The device will not function properly if the connecting cable is extended so the connecting cable should not be extended.
Mount the interface unit securely to a pillar or wall using 2 or more screws.

■**When Using Wall Mounting Brackets**(2)

1 Attach the wall mounting brackets (2) to the interface unit (1) using 2 mounting serews (3).

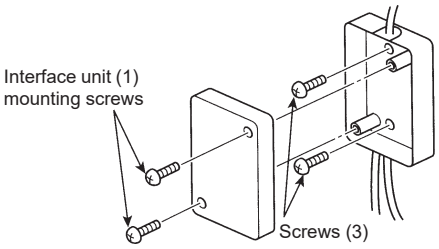


2 Mount the unit to a pillar or wall using 2 mounting screws (3).

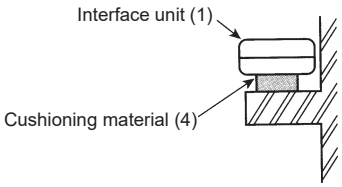


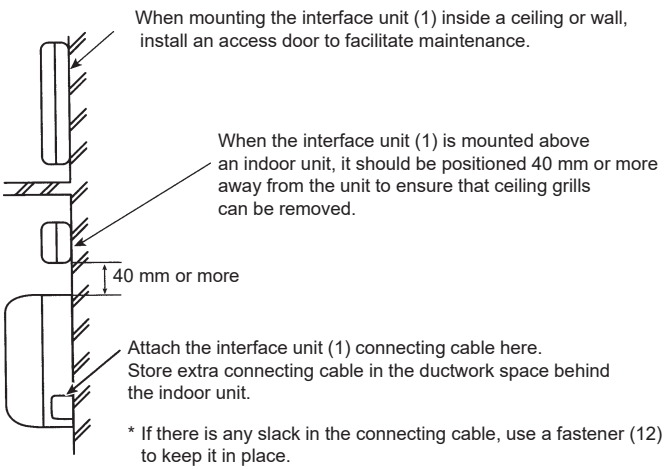
■**When Mounting Directly to a Wall**

Mount the interface unit (1) case to the wall using the mounting screws (3).



* When mounting the interface unit (1) using a cushioning material (4), be sure to mount it in a location where it will not fall.





7. Specifications

Input voltage	12 V ⎓
Power consumption	2 W
Input current	0.15 A

Descriptions

This device, Wi-Fi interface, communicates the status information and controls the commands from the MELCloud by connected to indoor unit.

- Some indoor unit air conditioners are not compatible with the Wi-Fi interface. Make sure that the indoor is compatible with the Wi-Fi interface before attempting to install the Wi-Fi interface.

Applicable Models

- MSZ-FT25,35,50VG
- MSZ-AP15,20VG
- MSZ-AP25,35,42,50,60,71VG
- MSZ-EF18,22,25,35,42,50VGW/B/S
- MSZ-BT20,25,35,50VG
- MSZ-HR25,35,42,50,60,71VF
- MSY-TP35,50VF
- MSZ-FH25,35,50VE2
- MSZ-SF15,20VA
- MSZ-SF25,35,42,50VE3
- MSZ-GF60,71VE2
- MSZ-WN25,35VA
- MSZ-DM25,35VA
- MFZ-KT25,35,50,60VG
- MFZ-KJ25,35,50VE2
- MLZ-KP25,35,50VF
- S-series models
- P-series models (Except PCA-M71HA)

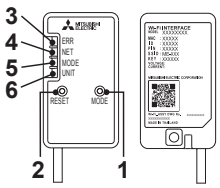
Specifications

Input Voltage	12.7V DC (from indoor unit)
Power consumption	MAX 2W
Size W×H×D (mm)	79×44×18.5
Weight	110 g (including cable)
RF channel	1ch ― 13ch (2412 ― 2472MHz)
Radio protocol	IEEE 802.11b/g/n (20)
Encryption	AES
Authentication	WPA2-PSK
Transmitter power level (MAX)	17.5dBm @IEEE 802.1lb
Software Ver	XX.00
Length of cable (mm)	2,040

For Declaration of Conformity, please go to the website below.
http://www.melcloud.com/Support

Product Introduction

No.	Item	Description
1	MODE switch	It selects modes.
2	RESET switch	It resets the system and ALL settings.
3	ERR LED (Orange)	It shows the network error state.
4	NET LED (Green)	It shows the network state.
5	MODE LED (Orange)	It shows the Access point mode state.
6	UNIT LED (Green)	It shows the indoor unit state.

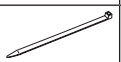


(1) MODE switch
- The MODE switch is used for selecting modes in configurations.

(2) RESET switch
- Hold down the RESET switch for 2 seconds to reboot the system.
- Hold down the RESET switch for 14 seconds to initialize the Wi-Fi interface to the factory default.

When the Wi-Fi interface is reset to the factory default, ALL the configuration information will be lost. Take great care in implementing this operation.

Parts

①	Interface unit (with connecting cable)		1	④	Mounting cord clamp		1
②	Fixing screw for ⑥ 3.5×16 mm		2	⑤	Fastener (for bundling the wires)		1
③	Fixing screw for ④ 4×16 mm		1	⑥	Holder		1
				⑦	Clip		1

Connecting the Wi-Fi interface

(For details on each system see the relevant instruction manual.)

Turn off the breaker of the room airconditioner or the ATW unit before connecting the cable to the indoor unit.
Refer to the installation manual of each model for connecting instructions and details.

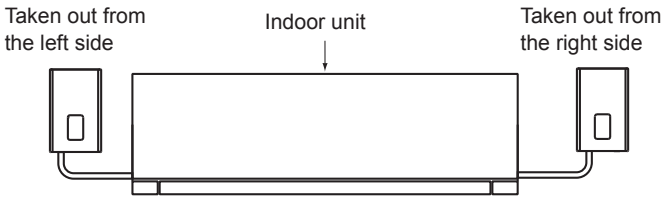
(1) The connecting cable connected to a indoor unit (CN105) should be mounted at the indoor unit or its vicinity.

When mounting the Interface unit ① inside an indoor unit, refer to the installation manual of the indoor unit. Do not mount the Interface unit ① inside the indoor unit, if not mentioned.

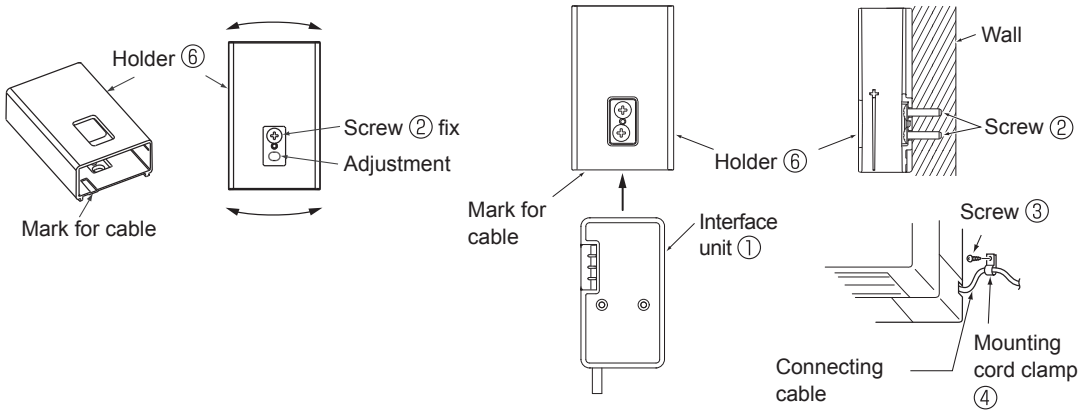
<Room air conditioner>

When mounting on the wall

The cable side of the interface unit ① should face downward.

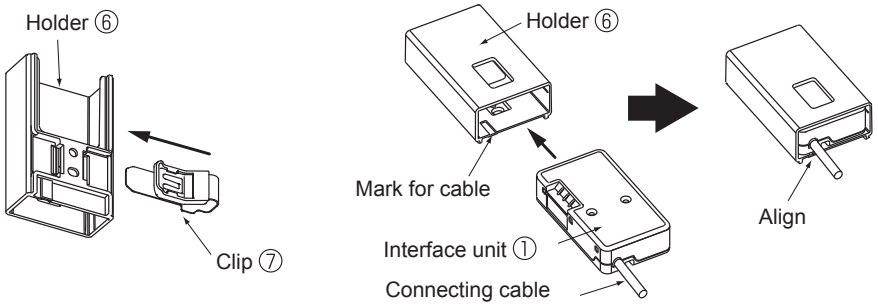


- Mount the holder ⑥ on the wall so its mark for the cable faces downward.
- Insert the interface unit ① into the holder ⑥ until it clicks.
  Note: Tighten the upper and then the lower screws; adjust and level the holder ⑥ using the elongated hole for the lower screw.

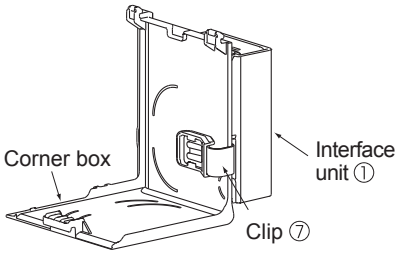


When mounting on the outer side of indoor unit

- Insert the clip ⑦ into the holder ⑥ until it clicks.
- Insert the interface unit ① into the holder ⑥ until it clicks.
  Note: When inserting the interface unit ① into the holder, align the cable of the Interface unit ① with the mark for the cable on the holder ⑥.
  Otherwise, light leakage or degradation in appearance may result.

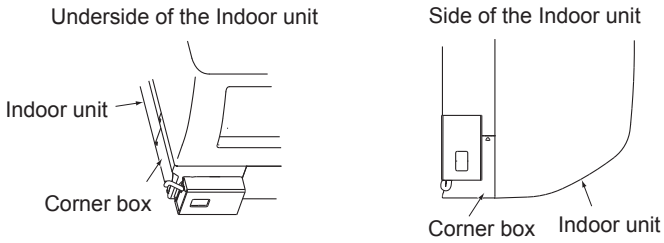


- Slip the clip ⑦ over the edge of corner box to fix the interface unit ①.
  Note: Mount the interface unit ① on the underside of the indoor unit if it cannot be mounted on the side of the indoor unit.

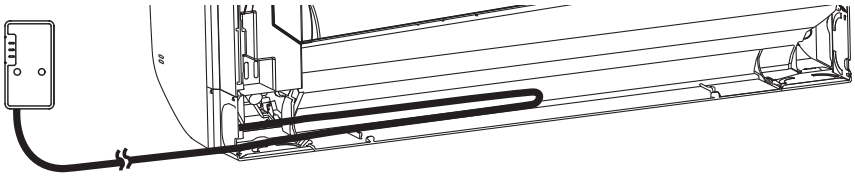


Example of mounting on the left side of indoor unit

Note: Interface unit ① can also be mounted on the right side of the indoor unit.



- To check the LED indication after setup, remove the interface unit ① from the holder ⑥.



Run the connecting cable in the space on the back of the unit as shown in the above figure.
Tuck cabling away and secure it.
Note: Make sure that the connecting cable will not get caught on or between the installation plate and the wall, or between the indoor unit and the installation plate.
Failure to do so may cause damage to the connecting cable resulting in communication problems.

Mount in the same procedure for room air conditioner. Please refer to “When mounting on the wall” on page E-88.

(2) Turn on the breaker of the room air conditioner and check that the LED indication of the Wi-Fi interface enters the initial state shown on right.

Initial State

ERR	OFF
NET	OFF
MODE	OFF
UNIT	Flashing

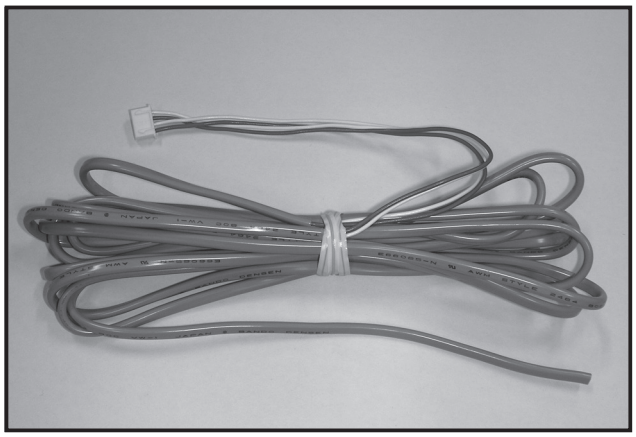
Setting up
Refer to SETUP QUICK REFERENCE GUIDE (Included in same package) and SETUP MANUAL to connect to a Router for setting up.
For SETUP MANUAL, please go to the website below.
http://www.melcloud.com/Support

For MELCloud User Manual, please go to the website below.
http://www.melcloud.com/Support

Connector Cable

MAC-1702,1710RA-E

Photo



Descriptions

This product is an adapter which inputs the incoming signals from an open/close switch to the air conditioner and outputs the ON/OFF signals from the air conditioner to the back-up heater.

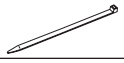
Applicable Models

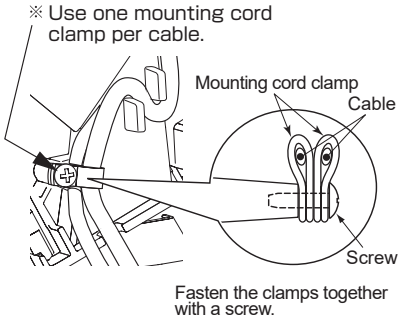
- MSZ-LN18VGW,V,B,R
- MSZ-LN25VGW,V,B,R
- MSZ-LN35VGW,V,B,R
- MSZ-LN50VGW,V,B,R
- MSZ-LN60VGW,V,B,R
- MSZ-AP60VG
- MSZ-AP71VG
- MSZ-FH25VE2
- MSZ-FH35VE2
- MSZ-FH50VE2
- MSZ-BT20VG(K)
- MSZ-BT25VG(K)
- MSZ-BT35VG(K)
- MSZ-BT50VG(K)
- MSZ-DM25VA
- MSZ-DM35VA
- MSZ-WN25VA
- MSZ-WN35VA
- MFZ-KJ25VE2
- MFZ-KJ35VE2
- MFZ-KJ50VE2
- MFZ-KT25VG
- MFZ-KT35VG
- MFZ-KT50VG
- MFZ-KT60VG
- MSZ-HJ25VA
- MSZ-HJ35VA
- MSZ-HJ50VA
- MSZ-HJ60VA
- MSZ-HJ71VA
- MSZ-HR25VF
- MSZ-HR35VF
- MSZ-HR45VF
- MSZ-HR50VF
- MLZ-KP25VF
- MLZ-KP35VF
- MLZ-KP50VF
- MSY-TP35VF
- MSY-TP50VF

Specifications

Model name		MAC-1702RA-E	MAC-1710RA-E
Size	Length	2 m	10 m
	Diameter	4.48 mm x 3.09 mm	4.48 mm x 3.09 mm
Material	Cable core	Tinned annealed copper wire	Tinned annealed copper wire
	Insutation	Heat-resistant PVC	Heat-resistant PVC
	Sheath	Heat-resistant PVC	Heat-resistant PVC
Weight		72 g	360 g
Standards	Standards	UL2464	UL2464
	Name	2464 2CFB #23	2464 2CFB #23

Accessory

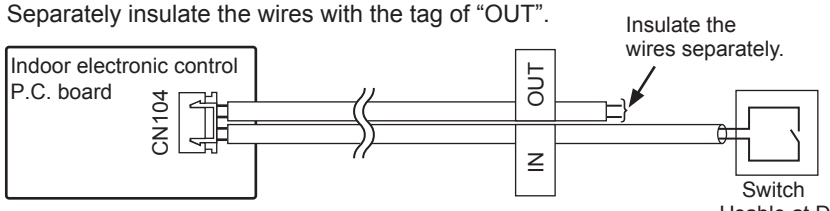
	Part name	Illustration	Q' ty
①	Mounting cord clamp ※		2
②	Screw for mounting 4×16		1
③	Fastener (for bundling the wires)		1



How to Use / How to Install

1. Card key/Window connection with the open/close switch

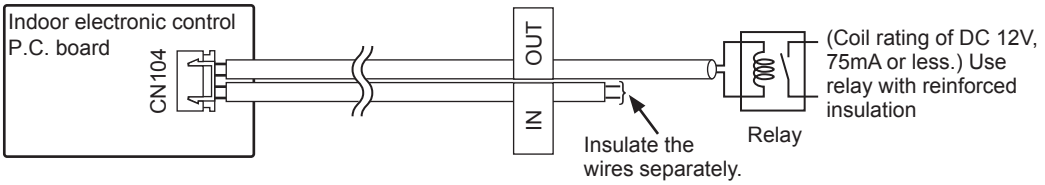
1. How to connect the open/close switch
   - Connect the connector to CN104 on the indoor electronic control P.C. board.
   - Connect the electrical wires with the tag of “IN” to the switch.
   - Separately insulate the wires with the tag of “OUT”.



2. Operation details
   - Opening the switch stops operation of the air conditioner.
     A remote controller is enabled even the switch is open. To disable the remote controller, cut JR88 on the indoor electronic control P.C. board.
   - When the switch closes, the ON/OFF operation from the remote controller is enabled.

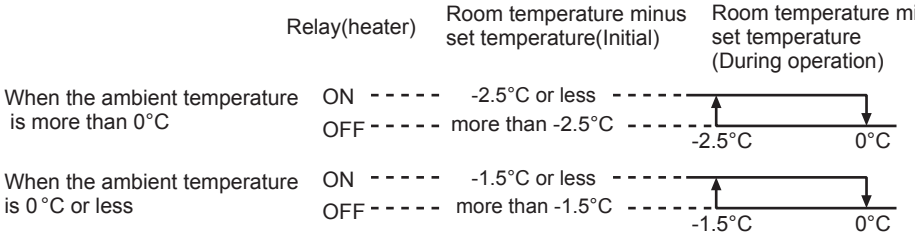
2. Back-up heating function

1. How to connect the relay
   - Connect the connector to CN104 on the indoor electronic control P.C. board.
   - Connect the electrical wires with the tag of “OUT” to the relay.
   - Separately insulate the wires with the tag of “IN”.



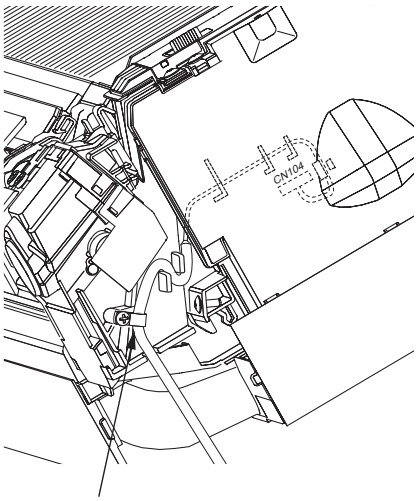
2. Operation details
   (1) Starting conditions
   When both a) and b) are satisfied, the relay turns ON.
   a) The HEAT mode is selected. (The unit operates in the HEAT mode when the AUTO operation is selected.)
   b) In the figure below, the conditions for ON are satisfied. (**NOTE 1**)
   (2) Releasing conditions
   When either a) or b) is satisfied, the relay turns OFF.
   a) The modes other than HEAT are selected. (The unit operates in the mode other than HEAT when the AUTO operation is selected.)
   b) In the figure below, the conditions for OFF are satisfied. (**NOTE 1**)

NOTE 1: Relay (heater) turns ON or OFF by the difference between room temperature and set temperature.



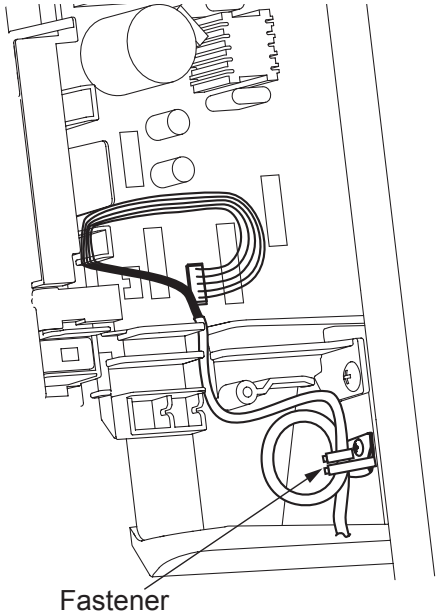
Connecting an connector cable to the air conditioner

Models for which the mounting cord clamp is used



Mounting cord clamp

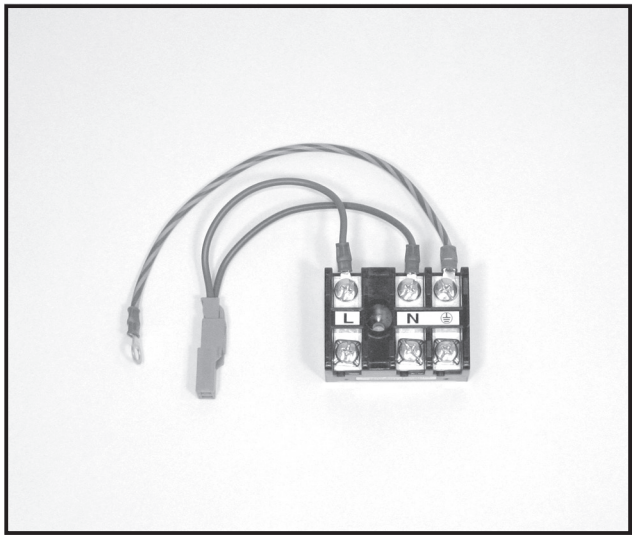
Models for which the fastener is used



Fastener

Power Supply Terminal Kit for new A-Control indoor units (L/N/Earth) PAC-SG94HR-E

Photo



Descriptions

This kit (L/N/Earth) is used when the power supply of the indoor unit and the outdoor unit is separated.
(For PUHZ applications only)

Applicable Models

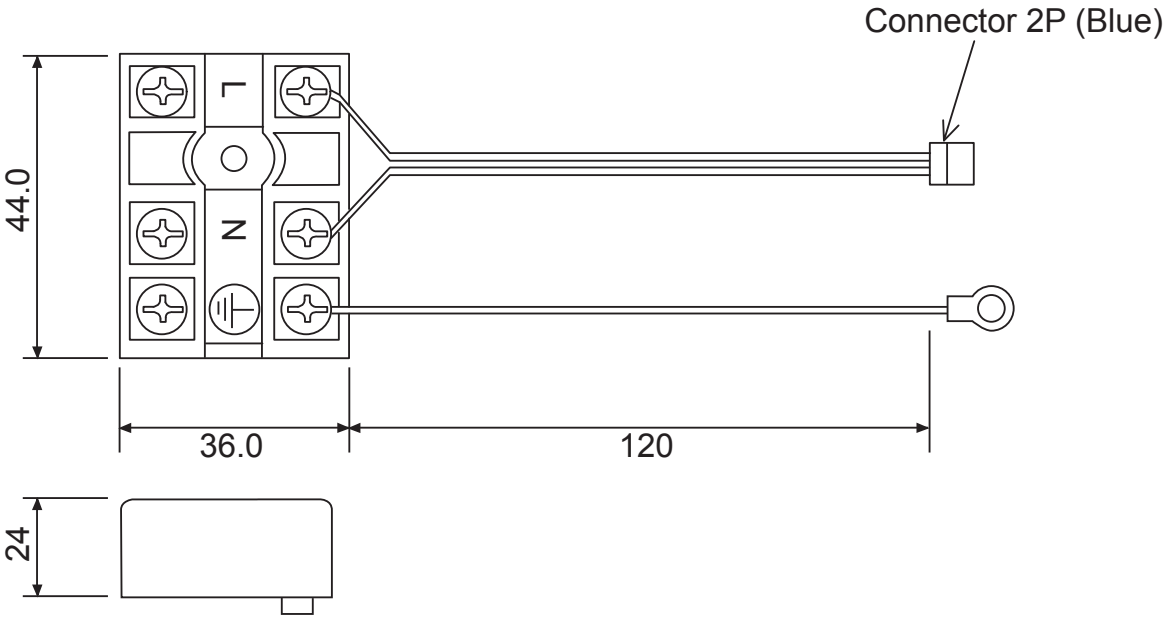
- PKA-M35,50HA
- PKA-M35,50HAL
- PKA-M60,71,100KA
- PKA-M60,71,100KAL

Specifications

Terminal block capacity	20A/250V
Terminal block material	Denatured melamine

Dimensions

Unit : mm



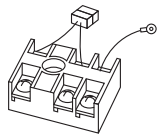
How to Use / How to Install

1. Overview

This kit is used when the power supply of the indoor unit and the outdoor unit is separated.
(for PUHZ applications only)
Refer to the installation manual of the indoor unit as well.

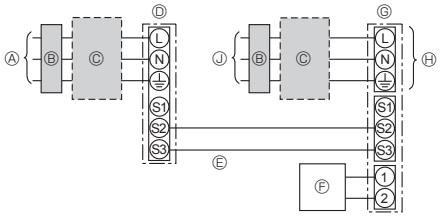
2. Provided parts

Comfirm the following parts are included.

Terminal block (lead wires already wired) x 1	Screw (to attach terminal block) x 1	Fastener (to tie lead wires) x 1	Screw (to secure ground wire) x 1
			For PAC-SG96HR-E only 

1:1 System

<For models without heater>
•The indoor power supply terminal kit is required.

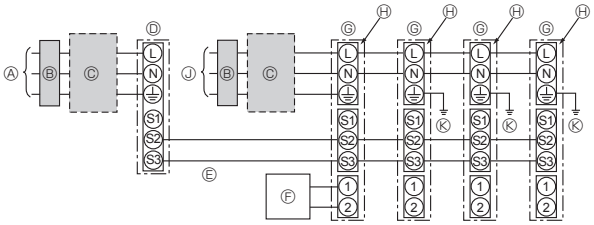


ⒶOutdoor unit power supply
ⒷEarth leakage breaker
ⒸWiring circuit breaker or isolating switch
ⒹOutdoor unit
ⒺIndoor unit / outdoor unit connecting cords
ⒻWired remote controller(option)
ⒼIndoor unit
ⒽOption
ⒿIndoor unit power supply

•Affix a label B that is included with the manuals near each wiring diagram for the indoor and outdoor units.

Simultaneous twin/triple/four system

<For models without heater>
•The indoor power supply terminal kits are required.



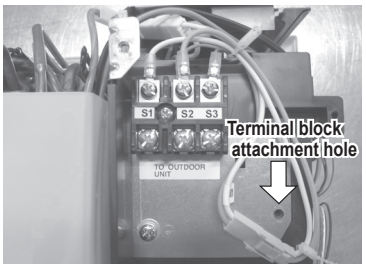
ⒶOutdoor unit power supply
ⒷEarth leakage breaker
ⒸWiring circuit breaker or isolating switch
ⒹOutdoor unit
ⒺIndoor unit / outdoor unit connecting cords
ⒻWired remote controller(option)
ⒼIndoor unit
ⒽOption
ⒿIndoor unit power supply
ⓀIndoor unit earth

•Affix a label B that is included with the manuals near each wiring diagram for the indoor and outdoor units.

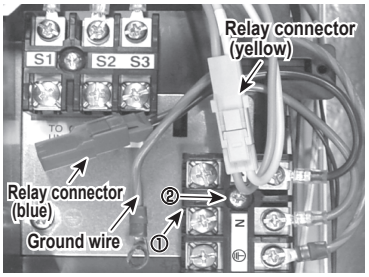
3. Attachment method

■ Wall mounted, PKA-M·HA, PKA-M·HAL type:

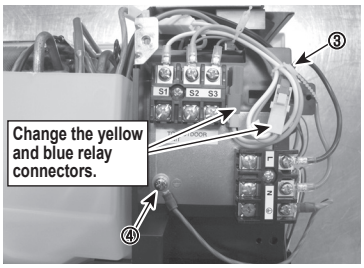
1. Remove the electrical box covers (front and side).



2. Attach terminal block ① using screw ② in the direction shown in the figure.

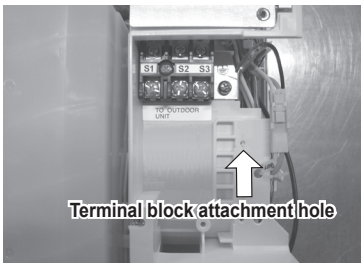


3. Change the relay connectors of blue and yellow lead wires, secure the ground wire using screw ④ at the position shown in the figure, and then bundle the lead wires using fastener ③.

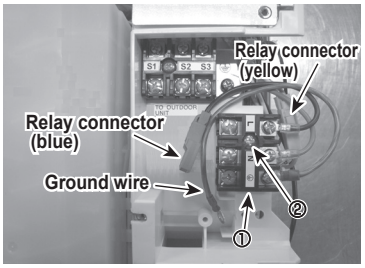


■ Wall mounted, PKA-M·KA, PKA-M·KAL type:

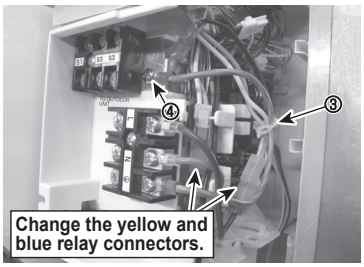
1. Remove the electrical box covers (front and side).



2. Attach terminal block ① using screw ② in the direction shown in the figure.



3. Change the relay connectors of blue and yellow lead wires, secure the ground wire using screw ④ at the position shown in the figure, and then bundle the lead wires using fastener ④.



4. Electric wiring

Be sure to do the electric wiring following the steps in each indoor unit installation manual.

5. Paste the labels enveloped in the instruction document of indoor unit near the electric wiring diagrams of both indoor and outdoor units.

Three types of labels (labels A-C) are provided: Paste the label B.
(Separate indoor unit/outdoor unit power supplies... Label B)

6. DIP switch settings of the outdoor unit control board

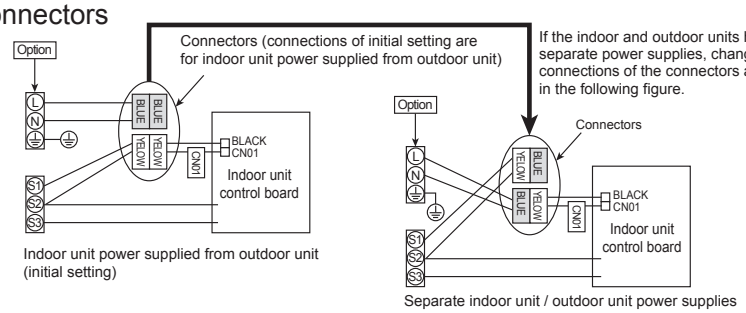
It is necessary to change the settings of DIP switch on the outdoor unit control board.

Outdoor unit DIP switch settings (when using separate indoor unit / outdoor unit power supplies only)	ON 3 OFF 1 2 <SW8>

7. Test run

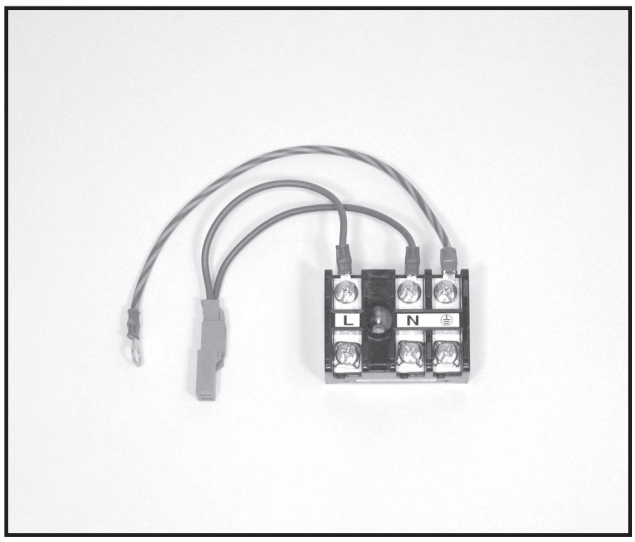
Perform a test run following the steps in the installation manual of the outdoor unit.

Change of connectors



Power Supply Terminal Kit for new A-Control indoor units (L/N/Earth) PAC-SG96HR-E

Photo



Descriptions

This kit (L/N/Earth) is used when the power supply of the indoor unit and the outdoor unit is separated.
(For PUHZ applications only)

Applicable Models

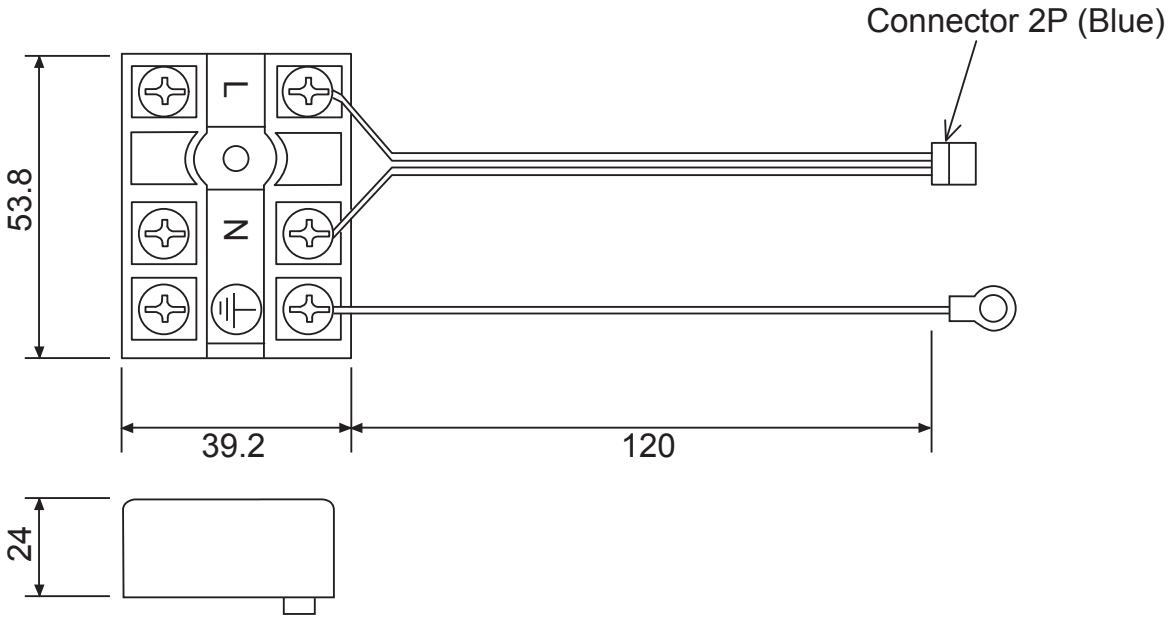
- PSA-RP·KA series
- PCA-M·KA series

Specifications

Terminal block capacity	30A/330V
Terminal block material	Denatured melamine
Parts composition	Terminal block (with lead wires connected) x 1, Screw x 1, Fastener (for binding lead wires)

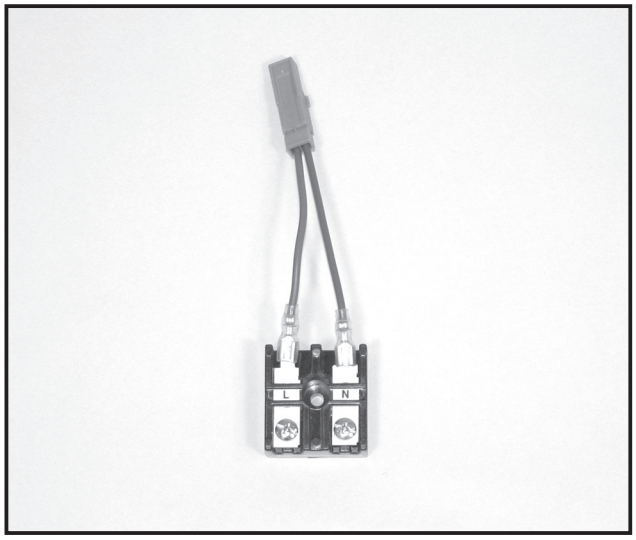
Dimensions

Unit : mm



Power Supply Terminal Kit for new A-Control indoor units (L/N) PAC-SG97HR-E

Photo



Descriptions

This kit (L/N) is used when the power supply of the indoor unit and the outdoor unit is separated.
(For PUHZ applications only)

Applicable Models

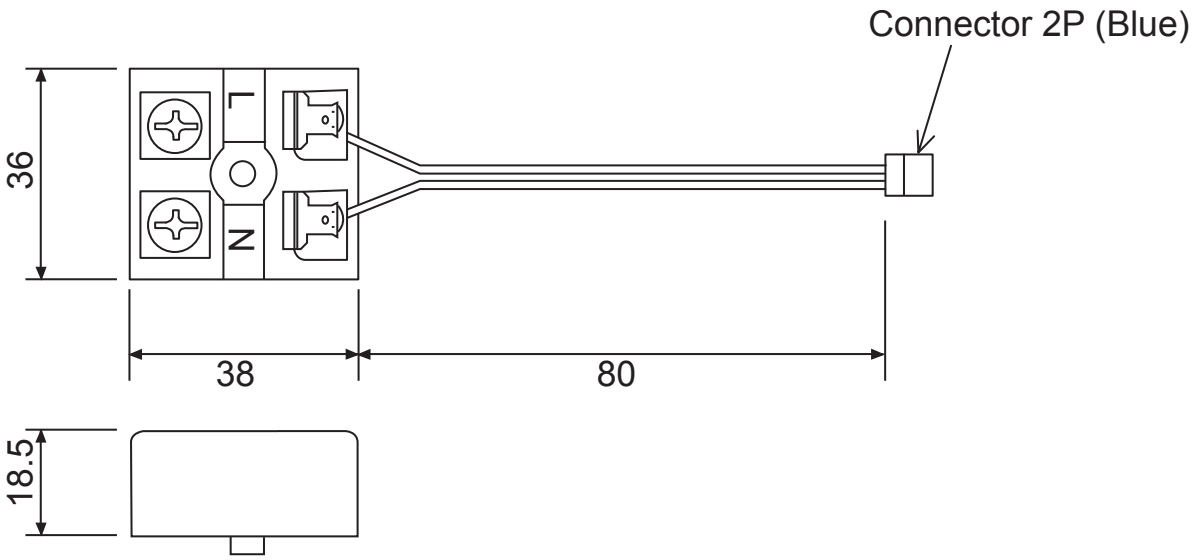
- PCA-M71HA
- PEAD-M·JA series
- PEAD-M·JAL series

Specifications

Terminal block capacity	15A/264V
Terminal block material	Denatured melamine
Parts composition	Terminal block (with lead wires connected) x 1, Screw x 1, Fastener (for binding lead wires)

Dimensions

Unit : mm



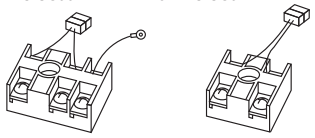
How to Use / How to Install

1. Overview

This kit is used when the power supply of the indoor unit and the outdoor unit is separated.
(for PUHZ applications only)
Refer to the installation manual of the indoor unit as well.

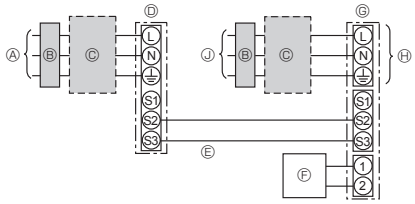
2. Provided parts

Comfirm the following parts are included.

Terminal block (lead wires already wired) x 1	Screw (to attach terminal block) x 1	Fastener (to tie lead wires) x 1	Screw (to secure ground wire) x 1
For PAC-SG96HR-E For PAC-SG97HR-E 			For PAC-SG96HR-E only 

1:1 System

<For models without heater>
•The indoor power supply terminal kit is required.

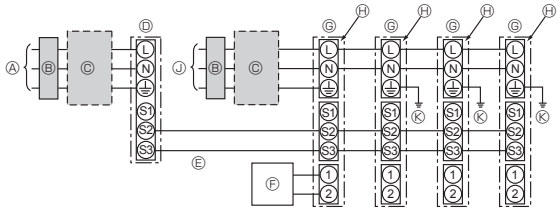


ⒶOutdoor unit power supply
ⒷEarth leakage breaker
ⒸWiring circuit breaker or isolating switch
ⒹOutdoor unit
ⒺIndoor unit / outdoor unit connecting cords
ⒻRemote controller
ⒼIndoor unit
ⒽOption
ⒿIndoor unit power supply

•Affix a label B that is included with the manuals near each wiring diagram for the indoor and outdoor units.

Simultaneous twin/triple/four system

<For models without heater>
•The indoor power supply terminal kits are required.



ⒶOutdoor unit power supply
ⒷEarth leakage breaker
ⒸWiring circuit breaker or isolating switch
ⒹOutdoor unit
ⒺIndoor unit / outdoor unit connecting cords
ⒻRemote controller
ⒼIndoor unit
ⒽOption
ⒿIndoor unit power supply
ⓀIndoor unit earth

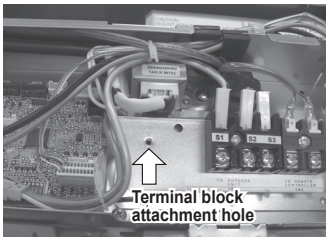
•Affix a label B that is included with the manuals near each wiring diagram for the indoor and outdoor units.

3. Attachment method

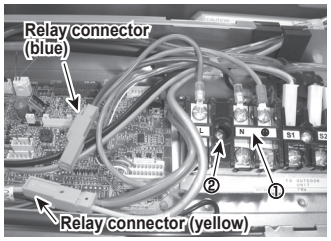
■ PAC-SG96HR

Ceiling suspended, PCA-M·KA type:

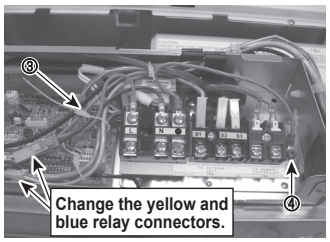
1.Remove the cover of electric parts box.



2. Attach terminal block ① using screw ② in the direction shown in the figure.



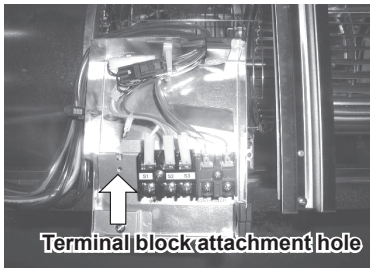
3. Change the relay connectors of blue and yellow lead wires, secure the ground wire using screw ④ at the position shown in the figure, and then bundle the lead wires using fastener ③.



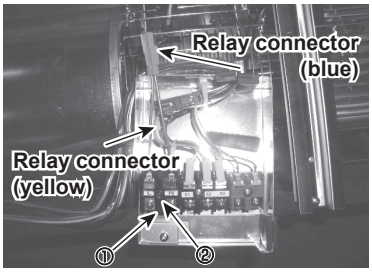
■ PAC-SG97HR

Ceiling suspended for kitchens, PCA-M71HA type:

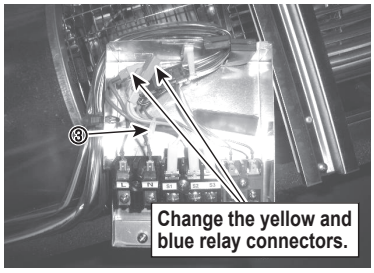
1.Remove the terminal block cover of electric parts box.



2. Attach terminal block ① using screw ② in the direction shown in the figure.

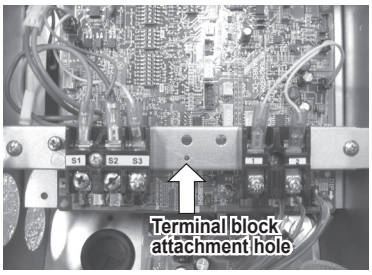


3. Change the relay connectors of blue and yellow lead wires, and then bundle the lead wires using fastener ③.

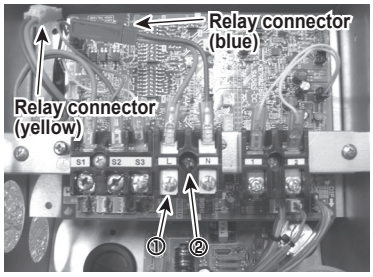


Ceiling concealed, PEAD-M·JA, PEAD-M·JAL type

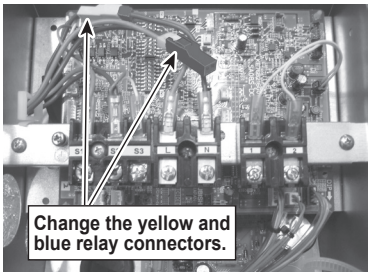
1.Remove the cover of electric parts box.



2. Attach terminal block ① using screw ② in the direction shown in the figure.

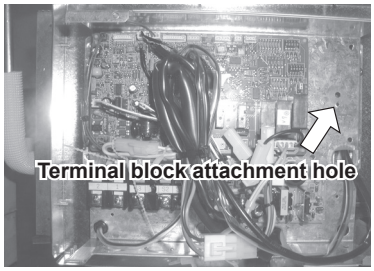


3.Change the relay connectors of blue and yellow lead wires.

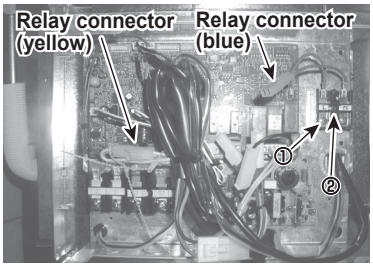


Ceiling concealed, PEA-RP·WKA type:

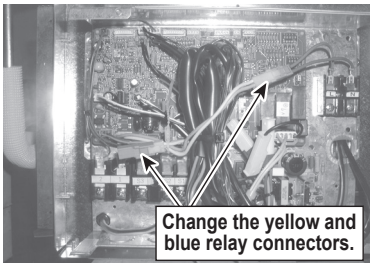
1.Remove the terminal block cover of electric parts box.



2. Attach terminal block ① using screw ② in the direction shown in the figure.



3.Change the relay connectors of blue and yellow lead wires.



4. Electric wiring

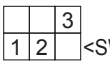
Be sure to do the electric wiring following the steps in each indoor unit installation manual.

5. Paste the labels enveloped in the instruction document of indoor unit near the electric wiring diagrams of both indoor and outdoor units.

Three types of labels (labels A-C) are provided: Paste the label B.
(Separate indoor unit/outdoor unit power supplies... Label B)

6. DIP switch settings of the outdoor unit control board

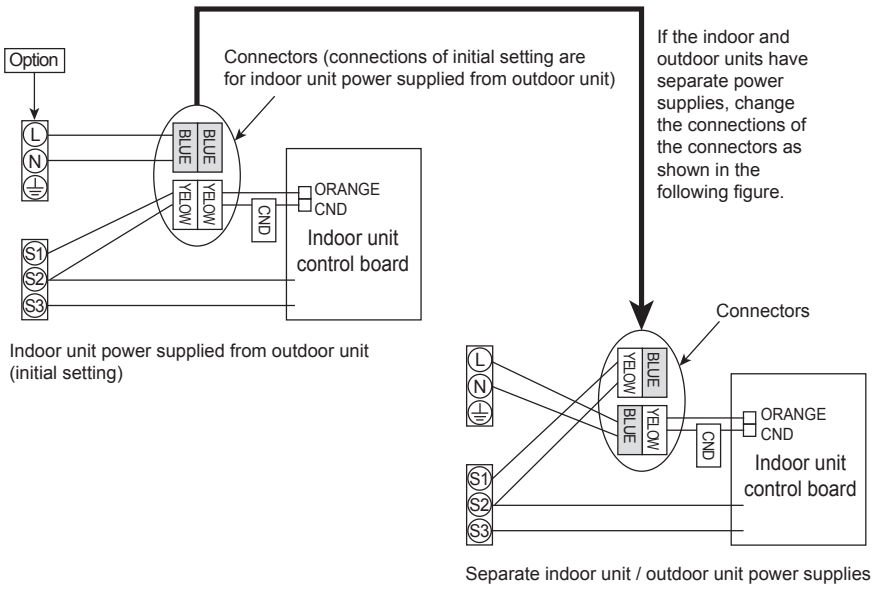
It is necessary to change the settings of DIP switch on the outdoor unit control board.

Outdoor unit DIP switch settings (when using separate indoor unit / outdoor unit power supplies only)	ON / OFF  <SW8>

7. Test run

Perform a test run following the steps in the installation manual of the outdoor unit.

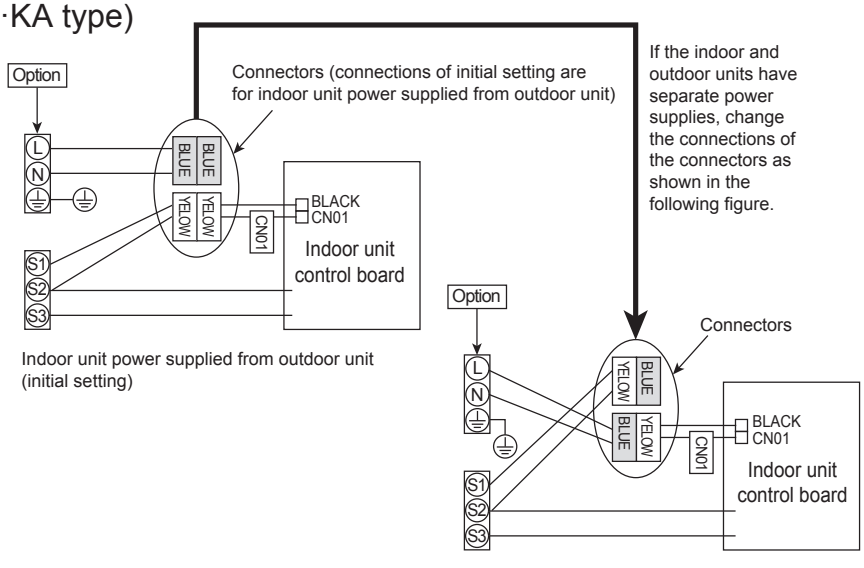
Change of connectors
(except PCA-M·KA type)



Indoor unit power supplied from outdoor unit (initial setting)

Separate indoor unit / outdoor unit power supplies

(PCA-M·KA type)

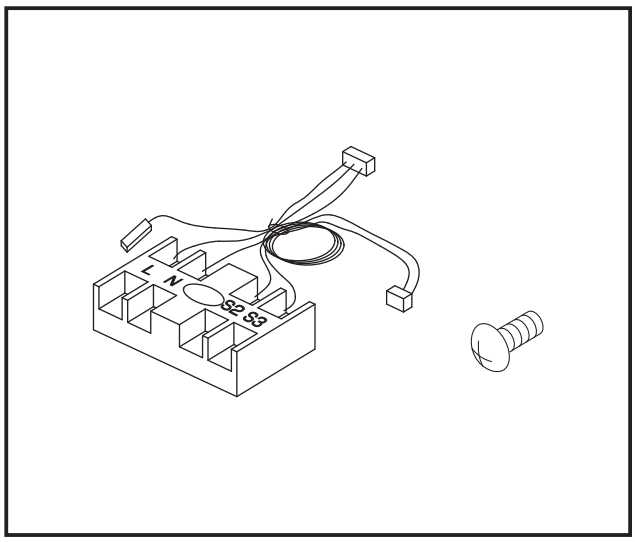


Indoor unit power supplied from outdoor unit (initial setting)

Separate indoor unit / outdoor unit power supplies

Indoor Power Supply Terminal Kit PAC-SJ39HR-E

Figure



Descriptions

This kit is used when the power supply of the indoor unit and the outdoor unit is separated.
(for PLA series applications only)

Applicable Models

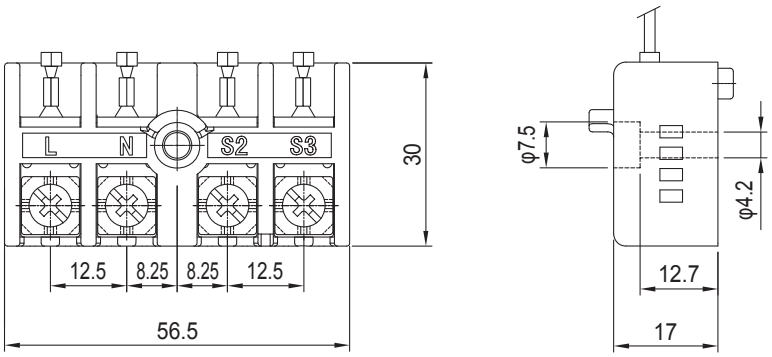
- PLA-ZM·EA series
- PLA-M·EA series
- PLA-SM·EA series

Specifications

Terminal block capacity	5A/250V
Terminal block material	Denatured melamine

Dimensions

Unit : mm



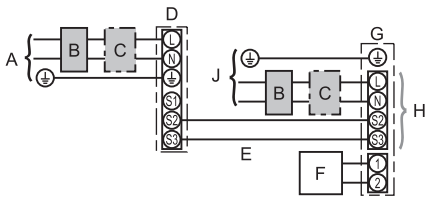
How to Use / How to Install

1. Overview

This kit is used when the power supply of the indoor unit and the outdoor unit is separated. (For PUHZ/PUZ application only)
Refer to the installation manual of the indoor unit as well.

1:1 System

● The indoor power supply.

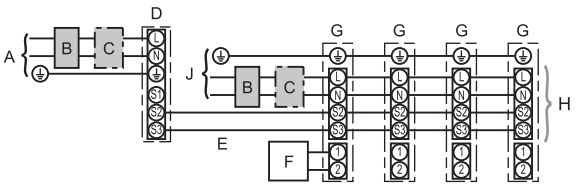


A Outdoor unit power supply
B Earth leakage breaker
C Wiring circuit breaker or isolating switch
D Outdoor unit
E Indoor unit/outdoor unit connecting cables
F Remote controller
G Indoor unit
H This terminal kit
J Indoor unit power supply

* Affix label B that is included with the manuals of indoor unit near each wiring diagram for the indoor and outdoor units.

Simultaneous twin/triple/quadruple system

● The indoor power supply.

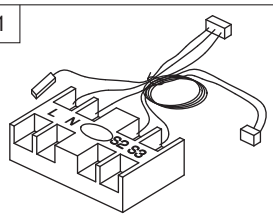


A Outdoor unit power supply
B Earth leakage breaker
C Wiring circuit breaker or isolating switch
D Outdoor unit
E Indoor unit/outdoor unit connecting cables
F Remote controller
G Indoor unit
H This terminal kit
J Indoor unit power supply

* Affix label B that is included with the manuals of indoor unit near each wiring diagram for the indoor and outdoor units.
Note:
Some units cannot be used in a simultaneous twin/triple/quadruple system.
Refer to the outdoor unit installation manual for details.

2. Provided parts

Confirm the following parts are included.

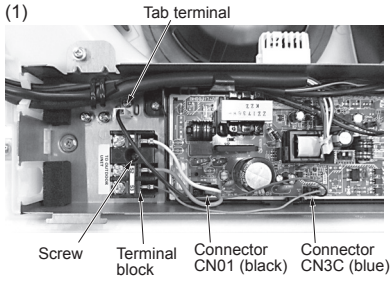
Part	① Terminal block with lead wires	② screw
Qty	1	1
Shape		

3. Installation procedure

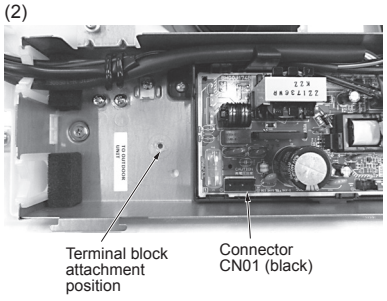
Note: Please refer to the electrical work section in the indoor unit's installation manual for how to remove the electrical box cover.

(1) Remove the electrical box cover.
(2) Remove the 1 screw and disconnect the connector CN01 (black) and CN3C (blue), and the tab terminal; then remove the terminal block.
(3) Secure the terminal block ① to the terminal block attachment position using the 1 screw ② in the direction as shown in the figure, then connect the connector CN01 (black) and CN3C (blue), and the tab terminal.

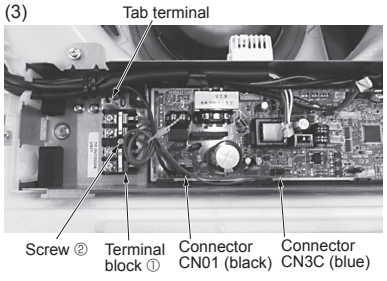
(1)



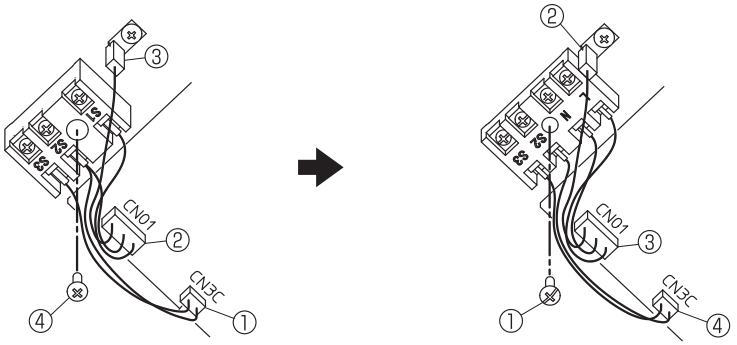
(2)



(3)



<Attachment method details>



① Disconnect connector CN3C (blue) from the indoor controller board.
② Disconnect connector CN01 (black) from the indoor controller board.
③ Disconnect the tab terminal.
④ Remove the screw from the terminal block.

Install the optional Power supply terminal kit.
① Secure the terminal block with the screw.
② Insert the tab terminal.
③ Connect connector CN01 (black) to the indoor controller board.
④ Connect connector CN3C (blue) to the indoor controller board.

4. Electric wiring

Be sure to do the electric wiring according to the indoor unit installation manual.

5. Affix the labels enclosed with the manual of indoor unit near the electric wiring diagrams of both indoor and outdoor units.

Three types of labels (labels A-C) are provided: Affix the label B.
(Separate indoor unit/outdoor unit power supplies... Label B)

6. DIP switch settings of the outdoor unit control board

It is necessary to change the settings of DIP switch on the outdoor unit control board.

Outdoor unit DIP switch settings (when using separate indoor unit/ outdoor unit power supplies only) SW8-3:ON	ON 3 OFF 1 2 <SW8>

7. Test run

Perform a test run according to the installation manuals of the indoor and outdoor units.

Wired Remote Controller PAR-40MAA

*MAC-334IF-E required

Photo

Descriptions

Advanced MA remote controller with the large size dot liquid crystal display. Multi-language display and weekly timer function are available.

Applicable Models

- MSZ-LN18,25,35,50,60VGW,V,B,R*
- MSZ-AP15,20VG*
- MSZ-AP25,35,42,50,60,71VG*
- MSZ-FH25,35,50VE2*
- MSZ-EF18,22,25,35,42,50VGW,B,S*
- MSZ-SF15,20VA*
- MSZ-SF25,35,42,50VE3*
- MSZ-GF60,71VE2*
- MSZ-BT20,25,35,50VG(K)
- MSZ-WN25,35VA*
- MSZ-DM25,35VA*
- MSZ-HR25,35,42,50,60,71VF
- MSY-TP35,50VF
- MFZ-KJ25,35,50VE2*
- MFZ-KT25,35,50,60VG
- MLZ-KP25,35,50VF*
- P-series models (Except PSA-RP·KA)
- SLZ-M·FA series
- SEZ-M·DA series

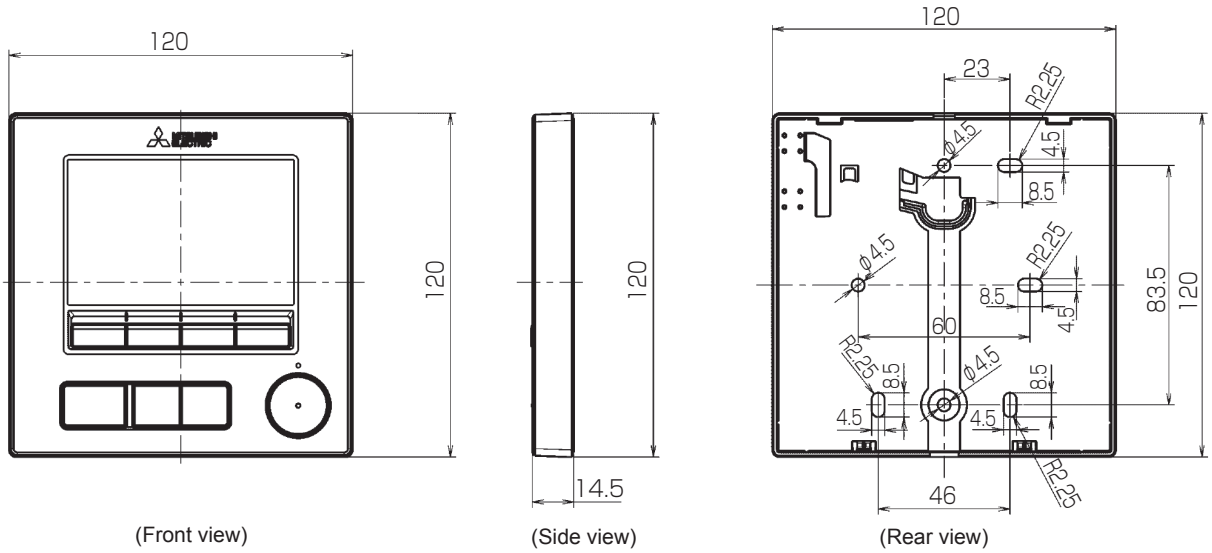
※ Remote controller terminal block kit for PKA PAC-SH29TC-E

Specifications

Product size	120(W) × 120(H) × 14.5(D)mm (4 3/4 × 4 3/4 × 37/64 [in])	
Net weight	0.25kg (35/64lbs)	
Rated power supply voltage	12V DC (supplied from indoor units)	
Power consumption	0.3W	
Usage environment	Temperature	0 - 40°C (32 - 104°F)
	Humidity	25 - 90%RH (with no dew condensation)
Material	Panel	PMMA
	Main body	ABS
Sound Pressure Level	The A-weighted sound pressure level is below 70dB	

Dimensions

Unit : mm



(Front view) (Side view) (Rear view)

How to Use / How to Install

1. System Requirements

⚠ WARNING	The CD-ROM that is supplied with the unit can only be played on a CD-drive or a DVD-drive. Do not attempt to play this CD-ROM on an audio CD player as this may damage your ears and/or speakers.

Your computer must meet the following requirements to run Manual Navigation Software.

[PC] PC/AT compatible

[CPU] Core2 Duo 1.66 GHz or faster (Core2 Duo 1.86 GHz or faster recommended)
Pentium D 1.7 GHz or faster (Pentium D 3.0 GHz or faster recommended)
Pentium M 1.7 GHz or faster (Pentium M 2.0 GHz or faster recommended)
Pentium 4 2.4 GHz or faster (Pentium 4 2.8 GHz or faster recommended)
* Core2 Duo or faster processor is required to run Manual Navigation Software on Windows Vista or later.

[RAM] Windows Vista or later: 1 GB minimum (2 GB or more recommended)
Windows XP: 512 MB minimum (1 GB or more recommended)

[HDD space] 1 GB minimum (available space)
* Windows Vista or later: Available space in the drive that has the Document folder
* Windows XP: Available space in the drive that has the My Document folder

[Resolution] SVGA 800 × 600 or greater

[OS] Windows8/Pro/Enterprise (Pro recommended)
Windows7 Ultimate/Enterprise/Professional/Home Premium Service Pack1 (Professional recommended)
Windows Vista Ultimate/Business/Home Basic Service Pack1 (Business version recommended)
Windows XP Professional/Home Edition Service Pack2 or Service Pack3 (Professional version recommended)

[Required software] Windows8: Adobe Reader 11.0.2 or later (Windows Reader, installed by default in Windows8, cannot be used.)
Windows7: Adobe Reader 10.1.0 or later
Windows XP and Windows Vista: Adobe Reader 8.1.3 or later
* Software to view PDF files

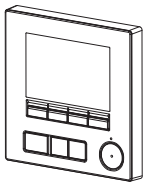
"Windows", "Windows XP", "Windows Vista", "Windows7" and "Windows8" are registered trade marks of Microsoft Corporation.
"Adobe Reader" and "Adobe Acrobat" are registered trademarks of Adobe Systems Incorporated.
"Core2 Duo" and "Pentium" are registered trademarks of Intel Corporation.

2. Component names and supplied parts

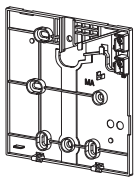
The following parts are included in the box.

Parts name	Qty.	Appearance
Remote controller (top case)	1	Right figure *1
Remote controller (bottom case)	1	Right figure *2
Roundhead cross slot screws M4×30	2	*3
Wood screw 4.1×16 (for direct wall installation)	2	*3
Simple Manual	1	

Top case *1



Bottom case *2



*3 ISO metric screw thread
*4 Remote controller cable is not included.

3. Field-supplied parts/Required tools

(1) Field-supplied parts

The following parts are field-supplied parts.

Parts name	Qty.	Notes
Double switch box or 86 type switch box	1	Not required for direct wall installation
Thin metal conduit	Necessary	
Lock nut and bushing	Necessary	
Cable cover	Necessary	Required for routing remote controller cable along a wall
Putty	Reasonable	
Molly anchor	Necessary	
Remote controller cable (Use a 0.3 mm² (AWG22) 2-core sheathed cable.)	Necessary	

(2) Field-supplied tools

- Flat-tip screwdriver (Width: 3-5 mm (1/8-7/32 inch))
- Nipper
- Miscellaneous tools

4. Selecting an installation site

This remote controller is for the wall installation. It can be installed either in the switch box or directly on the wall. When performing direct wall installation, wires can be thread through either back or top of the remote controller.

(1) Selecting an installation site

Install the remote controller (switch box) on the site where the following conditions are met.

(a) For connection to the indoor unit with an Auto descending panel, a place where people can check the Auto descending panel operation of the indoor unit while they are operating the remote controller (Refer to the indoor unit Instructions Book for how to operate Auto descending panel.)

(b) A flat surface

(c) A place where the remote controller can measure the accurate indoor temperature

Sensors to monitor indoor temperature are on the indoor unit and on the remote controller. When the room temperature is monitored with the sensor on the remote controller, the main remote controller monitors the room temperature. When using the sensor on the remote controller, follow the instructions below.

- To monitor the accurate indoor temperature, install the remote controller away from direct sunlight, heat sources, and the supply air outlet of the air conditioner.
- Install the remote controller in a location that allows the sensor to measure the representative room temperature.
- Install the remote controller where no wires are routed around the temperature sensor on the controller. (If wires are routed, the sensor cannot measure accurate indoor temperature.)

Important

■Discrepancy between the indoor temperature measured at the wall and the actual indoor temperature may occur.
If the following conditions are met, the use of the temperature sensor on the indoor unit is recommended.
- Supply air does not reach to the wall easily where the remote controller is installed due to improper airflow distribution.
- There is a great discrepancy between the wall temperature and the actual indoor temperature.
- The back side of the wall is directly exposed to the outside air.

Note: When temperature changes rapidly, the temperature may not be detected accurately.

Do not install the controller in a place where the difference between the remote controller surface temperature and the actual room temperature will be great.
If the temperature difference is too high, room temperature may not be adequately controlled.

To avoid deformation and malfunction, do not install the remote controller in direct sunlight or where the ambient temperature may exceed 40ºC (104ºF) or drop below 0ºC (32ºF).

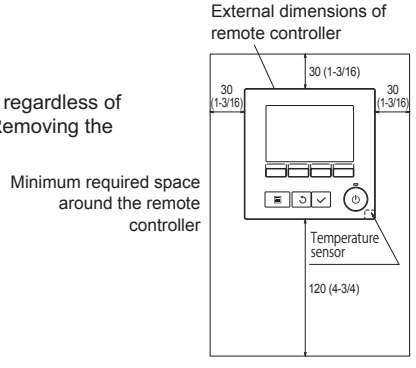
To reduce the risk of shorting, current leakage, electric shock, malfunctions, smoke, or fire, do not install the controller in a place exposed to water or in a condensing environment.

To reduce the risk of malfunctions and damage to the controller, avoid installing the remote controller on an electrically conductive surface, such as an unpainted metal sheet.

Refer to either of the following manuals for temperature sensor setting: indoor unit Installation Manual for CITY MULTI; this manual for Mr. SLIM.

(2) Installation space

Leave a space around the remote controller as shown in the figure at right, regardless of whether the controller is installed in the switch box or directly on the wall. Removing the remote controller will not be easy with insufficient space.
Also, leave an operating space in front of the remote controller.



5. Installation/Wiring work

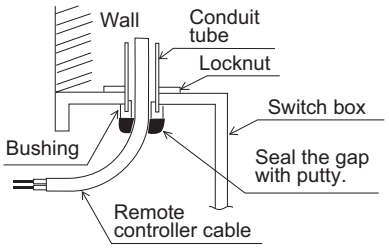
(1) Installation work

Controller can be installed either in the switch box or directly on the wall. Perform the installation properly according to the method.

① Drill a hole in the wall.

■ Installation using a switch box
- Drill a hole in the wall, and install the switch box on the wall.
- Connect the switch box to the conduit tube.

■ Direct wall installation
- Drill a hole in the wall, and thread the cable through it.

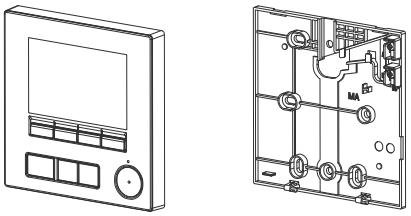


② Seal the cable access hole with putty.

■ Installation using a switch box
- Seal the remote controller cable access hole at the connection of switch box and conduit tube with putty.

To reduce the risk of electric shock, malfunctions, or fire, seal the gap between the cables and cable access holes with putty.

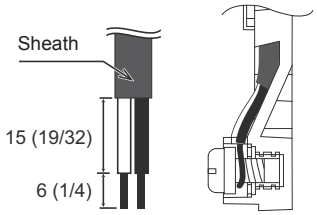
③ Prepare the bottom case of the remote controller.



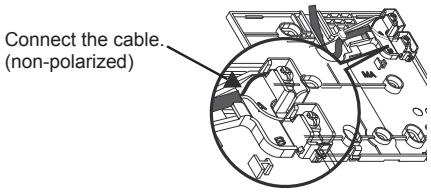
Top case Bottom case

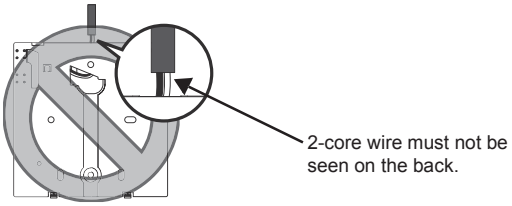
④ Connect the remote controller cable to the terminal block on the bottom case.

Peel off the remote controller cable sheath as shown below to connect to the terminal block properly. Secure the remote controller cable so that the peeled part of the cable will fit into the case.



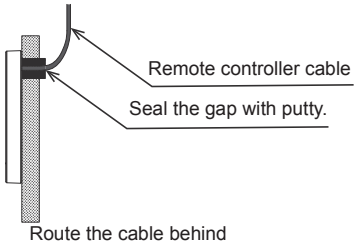
Unit: mm (in)





■ Direct wall installation
- Seal the hole through which the cable is threaded with putty.

To reduce the risk of electric shock, shorting, or malfunctions, keep wire pieces and sheath shavings out of the terminal block.



Important

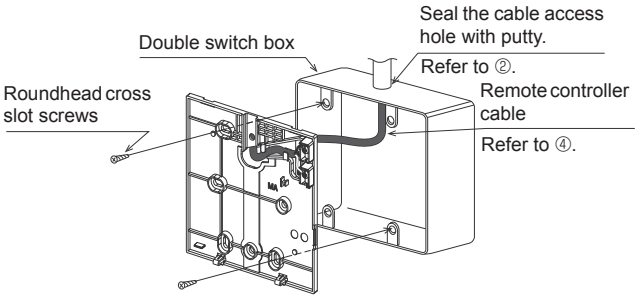
Do not use solderless terminals to connect cables to the terminal block.
Solderless terminals may come in contact with the circuit board and cause malfunctions or damage the controller cover.

⑤ **Install the bottom case.**

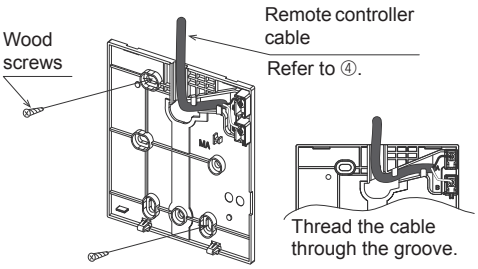
■ Installation using a switch box
- Secure at least two corners of the switch box with screws.

■ Direct wall installation
- Thread the cable through the groove.
- Secure at least two corners of the remote controller with screws.
- Be sure to secure top-left and bottom-right corners of the remote controller (viewed from the front) to prevent it from lifting. (Use molly anchor etc.)

■ Installation using a switch box



■ Direct wall installation

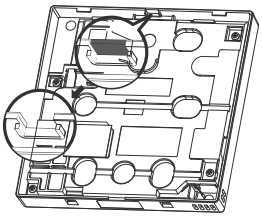


Important

To avoid damage to the controller, do not overtighten the screws.	To avoid damage to the controller, do not make holes on the controller cover.

⑥ **Cut out the cable access hole.**

■ Direct wall installation (when running the cable along the wall)
- Cut out the thin-wall part on the cover (the shaded area in the right figure) with a nipper.
- Thread the cable from the groove behind the bottom case through this access hole.

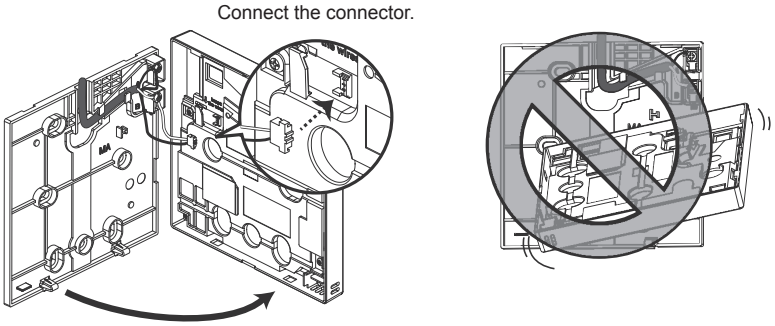


Notice

To prevent damage to the circuit board, remove the front cover from the top case before cutting out a cable access hole.	Note that accidentally touching the circuit board may damage the circuit board when cutting out a cable access hole.

⑦ **Connect the connector to the top case.**

Connect the connector on the bottom case to the socket on the top case.



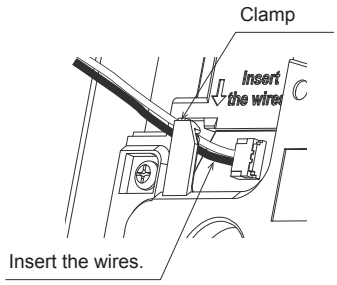
Important

To prevent malfunctions, do not remove the protective sheet or the circuit board from the top case.	To prevent cable breakage and malfunctions, do not hang the top controller casing hang by the cable as shown in the figure above.

⑧ Insert the wires into the clamp.

Important

Hold the cables in place with clamps to prevent undue force from being applied to the terminal block and causing cable breakage.

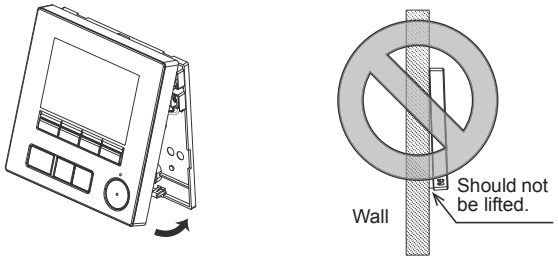


⑨ Install the front cover and top case on the bottom case.

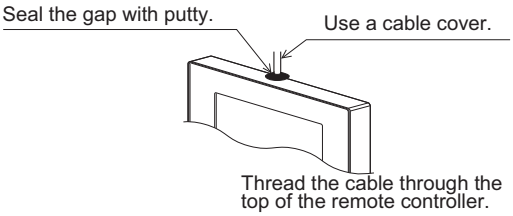
Two mounting tabs are at the top of the top case. Hook those two tabs onto the bottom case, and click the top case into place. Check that the case is securely installed and not lifted.

Important

When attaching the cover and the top casing to the bottom casing, push it until it they click into place.
If they are not properly locked into place, they may fall, causing personal injury, controller damage, or malfunctions.



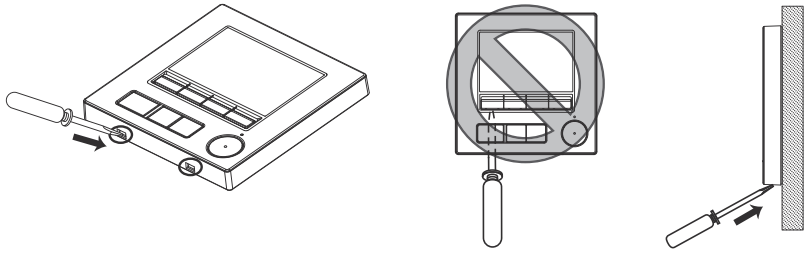
■ Direct wall installation (when running the cable along the wall)
- Thread the cable through the access hole at the top of the remote controller.
- Seal the cut-out part of the cover with putty.
- Use a cable cover.



- **Uninstalling the top case**

① Uninstalling the top case

Insert a flat-tip screwdriver with a blade width of 3-5 mm (1/8-7/32 inch) into the latches at the bottom of the remote controller and lift the latches. Then, pull up the top case.



■ At the time of factory shipment, protective sheet is on the operation interface of the front cover. Peel off the protective sheet on the operation interface prior to use.

Important

To prevent damage to the controller casing, do not force the flat-tip screwdriver to turn with its tip inserted in the slot.

Do not insert the flat-tip screwdriver too far. Doing so will damage the circuit board.

To prevent damage to the controller casing, use a flat-head screwdriver with a blade width of 3-5 mm (1/8-7/32 inch).

6. Important

■ **Discrepancy between the indoor temperature measured at the wall and the actual indoor temperature may occur.**

If the following conditions are met, the use of the temperature sensor on the indoor unit is recommended.

- Supply air does not reach to the wall easily where the remote controller is installed due to improper airflow distribution.
- There is a great discrepancy between the wall temperature and the actual indoor temperature.
- The back side of the wall is directly exposed to the outside air.

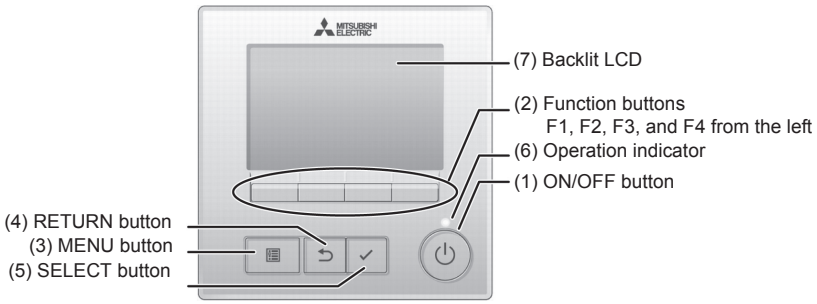
Note: When temperature changes rapidly, the temperature may not be detected accurately.

■ **Refer to the section on initial setting in this Manual for remote controller main/sub setting.**

■ **Refer to either of the following manuals for temperature sensor setting: indoor unit Installation Manual for City Multi; this manual for Mr. Slim.**

■ **At the time of factory shipment, protective sheet is on the operation interface of the front cover. Peel off the protective sheet on the operation interface prior to use.**

7. Remote controller button functions



(1) ON/OFF button
Use to turn ON/OFF the indoor unit.

(2) Function buttons
Use to select the operation mode or to set the temperature and fan speed on the Main display.
Use to select items on other screens.

(3) MENU button
Use to bring up the Main menu.

(4) RETURN button
Use to return to the previous screen.

(5) SELECT button
Use to jump to the setting screen or to save the settings.

(6) Operation indicator
Stays lit during normal operation. Blinks during startup and when an error occurs.

(7) Backlit LCD
Dot display. When the backlight is off, pressing any button turns the backlight on and it will stay lit for a certain period of time depending on the screen. Performing any button operation keeps the backlight on.

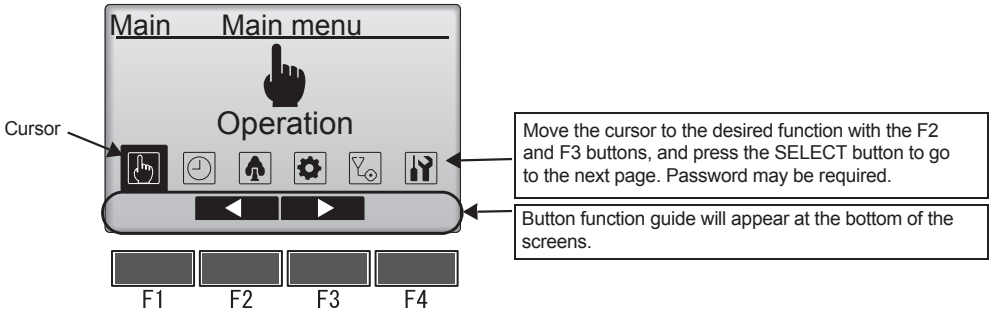
Note: When the backlight is off, pressing any button turns the backlight on and does not perform its function. (except for the ON/OFF button)

Pressing the MENU button will bring up the Main menu as shown below.
(Refer to section 8.(2) "Main display" for details.)

Operation menu *1
Timer menu *1
Energy saving menu *1
Initial setting menu *2*3
Maintenance menu *1
Service menu *2*3

*1 Refer to the Instructions Book in the CD-ROM for details.
*2 Explained in this manual.
*3 If no buttons are pressed for 10 minutes on the initial setting screens, or 2 hours on the service screens (10 minutes on some screens), the screen will automatically return to the Main display. Any settings that have not been saved will be lost.
The available items on the menu depend on the connected indoor unit model. For items not described in the manuals that are enclosed with the MA remote controller, refer to the manuals that came with the air conditioning units.

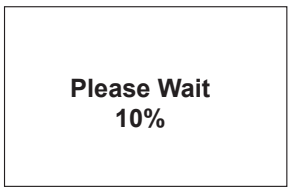
Button operations on the Main menu



8. Turning on the power

Make sure that the MA remote controller is properly installed according to the instructions in the Installation Manual and that the indoor and outdoor unit installation has been completed before turning on the power.

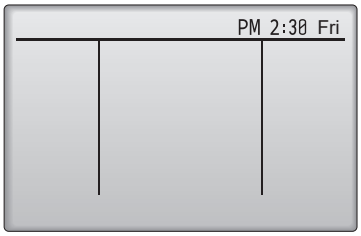
(1) When the power is turned on, the following screen will appear.



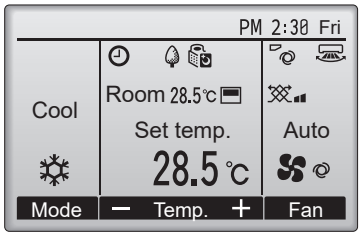
Normal start up (indicating the percentage of process completion)

Notes
· When the power is on for the first time, the Language selection screen will be displayed. Refer to section 10 (8). Select a desired language. The system will not start-up without language selection.

(2) Main display
After the successful startup, the Main display will appear. The Main display can be displayed in two different modes: "Full" and "Basic." Refer to section 10 "Initial settings" for how to select the display mode. (The factory setting is "Full.")



Main display in the Full mode (while the unit is not in operation)



Main display in the Full mode (while the unit is in operation)

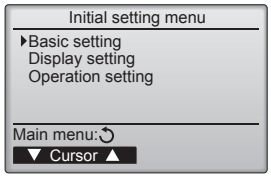
Notes
· Refer to the Instructions Book for the icons on the display.

9. Test run <Maintenance password is required.>

(1) Read the section about Test run in the indoor unit Installation Manual before performing a test run.
(2) At the Main display, press the MENU button and select Service>Test run>Test run.
(3) Press the ON/OFF button to cancel the test run if necessary.
(4) Refer to the indoor unit Installation Manual for the detailed information about test run and for how to handle the errors that occur during a test run.

Note: Refer to section 11 "Service menu" for information about the maintenance password.

10. Initial settings (Remote controller settings) <Administrator password is required.>



Basic setting menu
•Main/Sub
•Clock
•Daylight saving time
•Administrator password

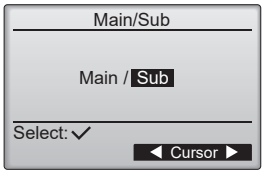
Display setting menu
•Main display
•Remote controller display details setting
•Contrast•Brightness
•Language selection

Operation setting menu
•Auto mode

Note: The initial administrator password is “0000.” Refer to section (4) “Administrator password setting” for how to change the password.

Basic setting menu

(1) Main/Sub setting
When connecting two remote controllers, one of them needs to be designated as a sub controller.
[Button operation]
[1] When the F3 or F4 button is pressed, the currently selected setting will appear highlighted. Select "Sub", and press the SELECT button to save the change.
[2] Press the MENU button to return to the Main menu screen. (This button always brings up the Main menu screen.)

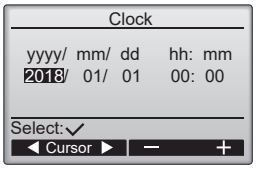


(2) Clock setting

[Button operation]

[1] Move the cursor with the F1 or F2 button to the desired item.

[2] Change the date and time with the F3 or F4 button, and press the SELECT button to save the change. The change will be reflected on the clock display on the Main display.



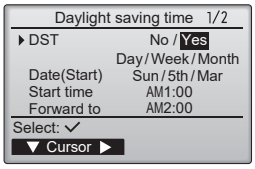
Note: Clock setting is necessary for time display, weekly timer, timer setting and error history. Make sure to perform clock setting when the unit is used for the first time or has not used for a long time.

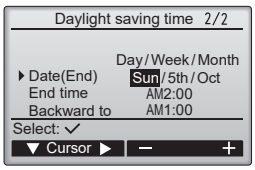
Note: If a given system has no system controllers, the clock time will not automatically be corrected. In this case, periodically correct the clock time.

(3)Daylight saving time

The start/end time for daylight saving time can be set. The daylight saving time function will be activated based on the setting contents.

- If a given system has a system controller, disable this setting to keep the correct time.
- At the beginning and the end of daylight saving time, the timer may go into action twice or not at all.
- This function will not work unless the clock has been set.





[Button operation]

① The daylight saving time function can be activated/deactivated or the start/end times can be set by using the F1 through F4 buttons.

- DST
  Select “Yes” to activate the daylight saving time, or select “No” to deactivate.
- Date(Start)
  Set the start day of the week, week number, and month for daylight saving time.
- Start time
  Set the start time for daylight saving time.
- Forward to
  Set the time when the clock is to be set forward to at the start time above.
- Date(End) (2nd page)
  Set the end day of the week, week number, and month for daylight saving time.
- End time (2nd page)
  Set the end time for daylight saving time.
- Backward to (2nd page)
  Set the time when the clock is to be set backward to at the end time above.

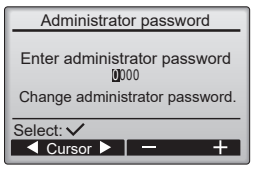
② Press the SELECT button to save the setting.
* If “5th” is selected for the week number and the 5th week does not exist in the selected month of the year, the setting is considered to be “4th.”

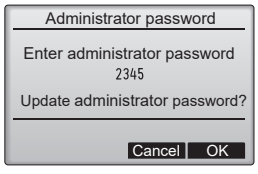
(4)Administrator password setting

[Button operation]

① A window to enter a new password will appear. Enter a new password,and press the SELECT button.

② Press the F4 button (OK) on the password change confirmation screen to save the change. Press the F3 button (Cancel) to cancel the change.





Note: The initial administrator password is “0000.” Change the default password as necessary to prevent unauthorized access. Have the password available for those who need it.

Note: If you forget your administrator password, you can initialize the password to the default password “0000” by pressing and holding the F1 button for ten seconds on the administrator password setting screen.

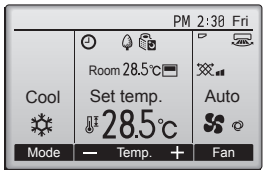
Note: The administrator password is required to make the settings for the following items.
· Timer setting · Weekly timer setting · Energy-save setting
· Outdoor unit silent mode setting · Restriction setting
· Night setback setting · Initial setting
Refer to the Instruction Book that came with the remote controller for the detailed information about how to make the settings for these items.

Display setting menu

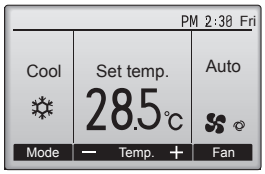
(1) Main display setting

[Button operation]

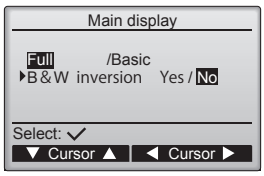
Move the cursor to “Full/Basic,” and use the F3 or F4 button to select the display mode “Full” or “Basic.” (The factory setting is “Full.”)



Full mode (Example)



Basic mode (Example)

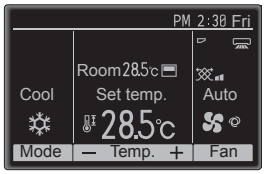


Note:	This setting is only for the Main display. In the Basic mode, icons that indicate control status on timer and schedule settings will not appear on the display. Vane, louver, and ventilation settings or room temperature will not appear, either.

(2) Black and white inversion setting

Move the cursor to “B&W inversion” and use the F3 or F4 button to select the display mode “Yes” or “No.” (The factory setting is “No.”)

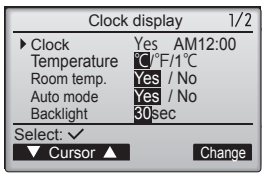
Selecting “Yes” will invert the colors of the display, turning white background to black and black characters to white as shown at right.



(3) Remote controller display details setting

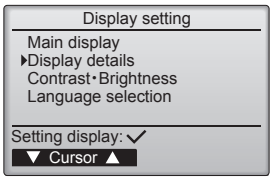
Make the settings for the remote-controller-related items as necessary.

Press the SELECT button to save the changes.



[1] Clock display

[Button operation]

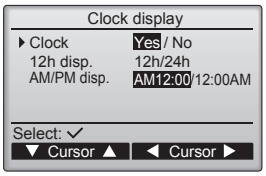


①Select “Clock” from the display details setting screen, and press the F4 button (Change) to bring up the clock display setting screen.

②Use the F1 through F4 buttons to select “Yes” (display) or “No” (non-display) and its format for the Status display and the Main display.

③Save the settings with the SELECT button. (The factory settings are “Yes” (display) and “12 h” format.)

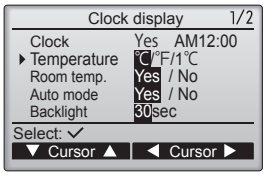
Clock display: Yes (Time is displayed on the Status display and the Main display.)
No (Time is not displayed on the Status display and the Main display.)
Display format: 24-hour format
12-hour format
AM/PM display (Effective when the display format is 12-hour): AM/PM before the time
AM/PM after the time



Note: Time display format will also be reflected on the timer and schedule setting display. The time is displayed as shown below.
12-hour format: AM12:00 - AM1:00 - PM12:00 - PM1:00 - PM11:59
24-hour format: 0:00 - 1:00 - 12:00 - 13:00 - 23:59

[2] Temperature unit setting

[Button operation]

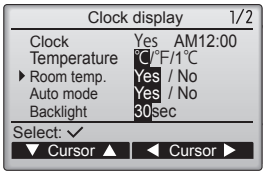


Move the cursor to “Temperature” from the display details setting screen, and select the desired temperature unit with the F3 or F4 button. (The factory setting is Centigrade (ºC).)

- ºC: Temperature is displayed in Centigrade. Temperature is displayed in 0.5- or 1-degree increments, depending on the model of indoor units.
- ºF: Temperature is displayed in Fahrenheit.
- 1 ºC: Temperature is displayed in Centigrade in 1-degree increments.

[3] Room temperature display

[Button operation]



Move the cursor to “Room temp.” on the display details setting screen, and select the desired setting with the F3 or F4 button.
(The factory setting is “Yes”.)

- Yes: Room temperature appears on the Main display.
- No: Room temperature does not appear on the Main display.

Note: Even when “Yes” is set, the room temperature is not displayed on the Main display in the “Basic” mode.

[4] Auto (single set point) mode display setting

[Button operation]

Move the cursor to “Auto mode” from the display details setting screen, and select the desired mode with the F3 or F4 button. (The factory setting is “Yes.”)

- Yes: “Auto Cool” or “Auto Heat” is displayed during operation in the Auto (single set point) mode.
- No: Only “Auto” is displayed during operation in the Auto (single set point) mode.

[5] Backlight

The backlight lighting-up time can be set.

[Button operation]

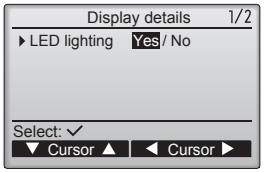
Move the cursor to “Backlight” from the display details setting screen, and select the desired time (5,10,20,30,60 seconds) with the F4 button. (The factory setting is “30” seconds.)

Note: This setting is effective on the Status display and the Main display.

[6] LED lighting

The LED lighting can be set to either “Yes” (On) or “No” (Off). (The factory setting is “Yes”.)

When “No” is selected, the LED will not light up even during the normal operation.



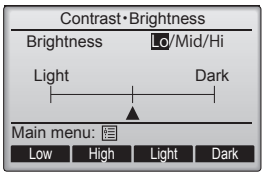
(4) Contrast•Brightness

[Button operation]

Select the desired brightness for the remote controller LCD with the F1 and F2 buttons.

Adjust the contrast with the F3 or F4 button. The current level is indicated with a triangle.

Note: Adjust the contrast and brightness to improve viewing in different lighting conditions or installation locations. This setting can not improve viewing from all directions.

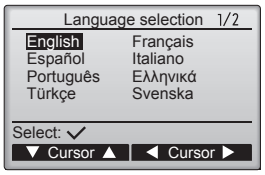


(5) Language selection

[Button operation]

Move the cursor to the language you desire with the F1 through F4 buttons.

Press the SELECT button to save the setting.



Operation setting menu

(1) Auto mode setting

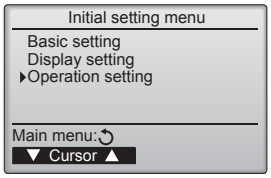
[Button operation]

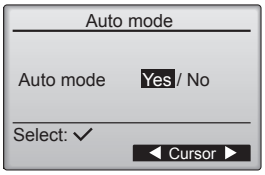
Whether or not to use the Auto (single set point) or Auto (dual set points) mode can be selected by using the F3 or F4 button. This setting is valid only when indoor units with the Auto mode function are connected.

(The factory setting is “Yes”.)

Press the SELECT button to save the changes made.

- Yes: The Auto mode can be selected in the operation mode setting.
- No: The Auto mode cannot be selected in the operation mode setting.





11. Service menu (Maintenance password is required.)

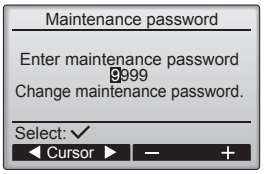
At the Main display, press the MENU button and select "Service" to make the maintenance settings.

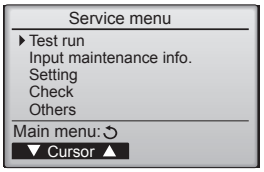
When the Service menu is selected, a window will appear asking for the password.
To enter the current maintenance password (4 numerical digits), move the cursor to the digit you want to change with the F1 or F2 button, and set each number (0 through 9) with the F3 or F4 button. Then, press the SELECT button.

Note: The initial maintenance password is “9999.” Change the default password as necessary to prevent unauthorized access. Have the password available for those who need it.

Note: If you forget your maintenance password, you can initialize the password to the default password “9999” by pressing and holding the F1 button for ten seconds on the maintenance password setting screen.

Note: Air conditioning units may need to be stopped to make certain settings. There may be some settings that cannot be made when the system is centrally controlled.





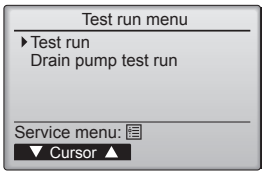
(1) Test run (CITY MULTI and Mr. SLIM)

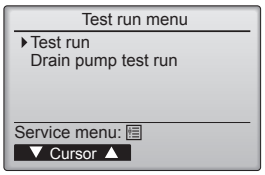
Select “Test run” from the Service menu to bring up the Test run menu.

- Test run: Select this option to perform a test run.
- Drain pump test run: Select this option to perform a test run on the drain pump on the indoor unit.

Applicable only to the type of indoor units that support the test run function.

Note: Refer to the indoor unit Installation Manual for the detailed information about test run.



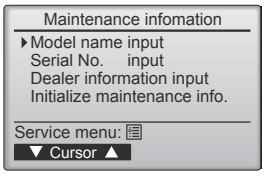


(2) Input maintenance information (CITY MULTI and Mr. SLIM)

Select “Input maintenance info.” from the Service menu to bring up the Maintenance information screen. Refer to the indoor unit Installation Manual for how to make the settings.

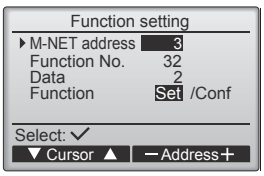
Note: The following settings can be made from the Maintenance information screen.

·Registering model names and serial numbers
Enter the model names and serial numbers of outdoor and indoor units. The information entered will appear on the Error information screen. Model names can have up to 18 characters, and the serial numbers can have up to 8 characters.
·Registering dealer information
Enter phone number of a dealer. The entered information will appear on the Error information screen. Phone number can have up to 13 characters.
·nitializing maintenance information
Select the desired item to initialize the model name, serial number, and dealer information settings.



(3) Function setting (CITY MULTI)

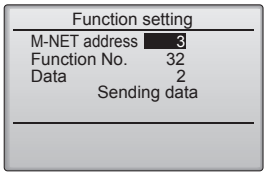
Make the settings for the indoor unit functions via the remote controller as necessary.
Select “Function setting” from the Settings menu to bring up the Function setting screen.



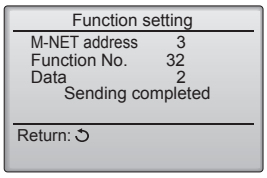
[Button operation]

① The Function setting screen will appear.
Press the F1 or F2 button to move the cursor to one of the following: M-NET address, function setting number, or setting value. Then, press the F3 or F4 button to change the settings to the desired settings.

② Once the settings have been completed, press the SELECT button.
A screen will appear that indicates that the settings information is being sent.
To check the current settings of a given unit, enter the setting for its M-NET address and function setting number, select Conf for the Function, and press the SELECT button.
A screen will appear that indicates that the settings are being searched for. When the search is done, the current settings will appear.



③ When the settings information has been sent, a screen will appear that indicates its completion.
To make additional settings, press the RETURN button to return to the screen shown in Step ② above. Set the function numbers for other indoor units by following the same steps.

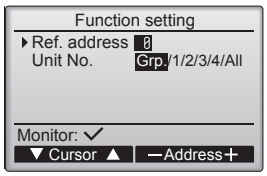


Note:
- **Refer to the indoor unit Installation Manual for information about the factory settings of indoor units, function setting numbers, and setting values.**
- Be sure to write down the settings for all functions if any of the initial settings has been changed after the completion of installation work.

(4) Function setting (Mr. SLIM)

Make the settings for the indoor unit functions via the remote controller as necessary.

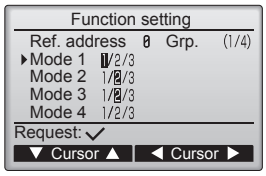
Select “Function setting” from the Settings menu to bring up the Function setting screen.



[Button operation]

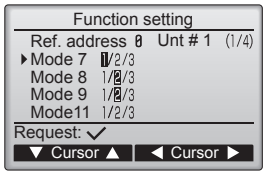
① Set the indoor unit refrigerant addresses and unit numbers with the F1 through F4 buttons, and then press the SELECT button to confirm the current setting.

② When data collection from the indoor units is completed, the current settings appears highlighted. Non-highlighted items indicate that no function settings are made. Screen appearance varies depending on the “Unit No.” setting.



Common items

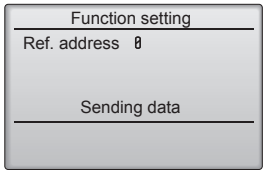
③ Use the F1 or F2 button to move the cursor to select the mode number, and change the setting number with the F3 or F4 button.



Individual items
(Unit No. 1 through 4)

④ When the settings are completed, press the SELECT button to send the setting data from the remote controller to the indoor units.

⑤ When the transmission is successfully completed, the screen will return to the Function setting screen.



Note:
- Make the function settings shown in Table 1 on Mr. SLIM units as necessary.
- Refer to the Instructions Book when it is necessary to set the settings for CITY MULTI units.
- **Table 1 summarizes the setting options for each mode number. Refer to the indoor unit Installation Manual for the detailed information about initial settings, mode numbers, and setting numbers for the indoor units.**
- Be sure to write down the settings for all functions if any of the initial settings has been changed after the completion of installation work.

Table1. Function setting options

Mode No.	Mode	Settings	Setting No.	Unit numbers
01	Automatic recovery after power failure	Disable	1	Set “Grp.” for the Unit number. These settings apply to all the connected indoor units.
		Enable (Four minutes of standby time is required after the restoration of power.)	2	
02	Thermistor selection (indoor temperature detection)	Average temperature reading of the indoor units in operation	1	
		Thermistor on the indoor unit to which the remote controller is connected (fixed)	2	
		Built-in sensor on the remote controller	3	
03	LOSSNAY connection	Not connected	1	
		Connected (without outdoor air intake by the indoor units)	2	
		Connected (with outdoor air intake by the indoor units)	3	
04	Power voltage	240 V	1	
		220 V, 230 V	2	
05	Auto mode	Enable (Automatically the unit achieves effective energy saving operation.)	1	
		Disable	2	
07	Filter sign	100 hours	1	Set “1, 2, 3, 4, or All” for the Unit number. These settings apply to each indoor unit. ・If “1, 2, 3, or 4” is set for the Unit number, the settings apply only to the specified indoor unit regardless of the number of connected indoor units (one through four units). ・If “All” is set for the Unit number, the settings apply to all the connected indoor units regardless of the number of connected indoor units (one through four units).
		2500 hours	2	
		Not displayed	3	
08	Fan speed	Silent mode (or standard)	1	
		Standard (or High ceiling 1)	2	
		High ceiling (or High ceiling 2)	3	
09	Outlet	4 directional	1	
		3 directional	2	
		2 directional	3	
10	Optional parts (High-efficiency filter)	No	1	
		Yes	2	
11	Vane	No vanes (or the vane setting No.3 is effective.)	1	
		Equipped with vanes (The vane setting No.1 is effective.)	2	
		Equipped with vanes (The vane setting No.2 is effective.)	3	

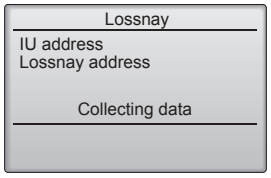
(5) LOSSNAY setting (CITY MULTI only)

This setting is required only when the operation of CITY MULTI units is interlocked with LOSSNAY units. This setting is not available for the Mr. SLIM units. Interlock settings can be made for the indoor unit to which the remote controller is connected. (They can also be confirmed or deleted.)

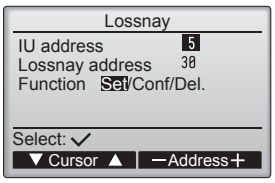
Note:
· Use the centralized controller to make the settings if it is connected.
· To interlock the operation of the indoor units with the LOSSNAY units, be sure to interlock the addresses of ALL indoor units in the group and that of the LOSSNAY unit.

[Button operation]

① When “Lossnay” on the Settings menu is selected, the remote controller will automatically begin searching for the registered LOSSNAY addresses of the currently connected indoor unit.

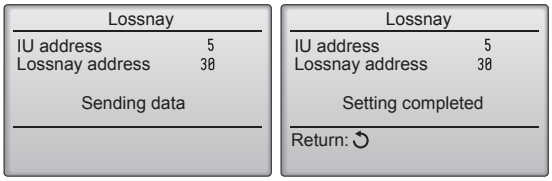


② When the search is completed, the smallest address of the indoor units that are connected to the remote controller and the address of the interlocked LOSSNAY unit will appear. "--" will appear if no LOSSNAY unit is interlocked with the indoor units.
If no settings need to be made, press the RETURN button to go back to the Settings menu.



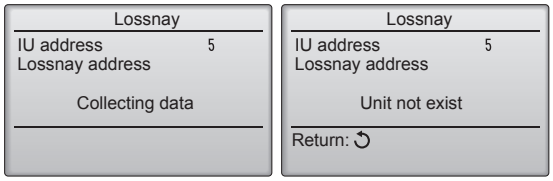
To make LOSSNAY interlock setting

③ Enter the addresses of the indoor unit and the LOSSNAY unit to be interlocked, with the F1 through F4 buttons, select "Set" in the "Function", and press the SELECT button to save the settings. "Sending data" will appear on the screen. If the setting is successfully completed, "Setting completed" will appear.



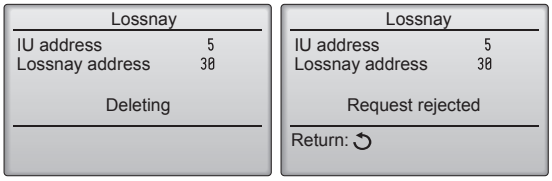
To search for the LOSSNAY address

④ Enter the address of the indoor unit to which the remote controller is connected, select "Conf" in the "Function", and press the SELECT button. "Collecting data" will appear on the screen. If the signal is received correctly, the indoor unit address and LOSSNAY address will appear. "--" will appear when no LOSSNAY unit is found. "Unit not exist" will appear if no indoor units that are correspond to the entered address are found.



To delete the interlock setting

⑤ To delete the interlocked setting between LOSSNAY unit and the indoor units to which the remote controller is connected, enter the indoor unit address and LOSSNAY address with the F1 through F4 buttons, select "Del." in the "Function", and press the SELECT button. "Deleting" will appear. The screen will return to the search result screen if the deletion is successfully completed. "Unit not exist" will appear if no indoor units that are correspond to the entered address are found. If deletion fails, "Request rejected" will appear on the screen.



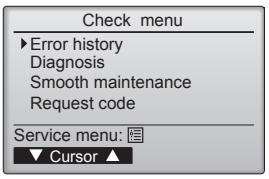
(6) Check

Select “Check” on the Service menu to bring up the Check menu screen.

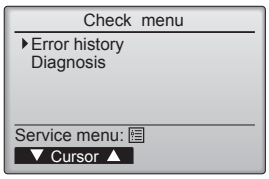
The type of menu that appears depends on the type of indoor units that are connected (CITY MULTI or Mr. SLIM).

(When CITY MULTI is connected, only “Error history” will appear in the menu.)

<Mr. SLIM>



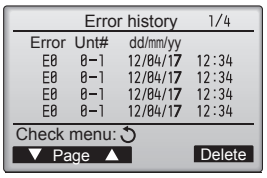
<CITY MULTI>



[Button operation]

① Error history

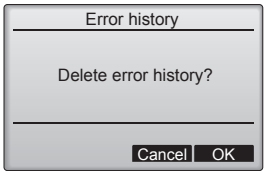
Select “Error history” from the Check menu, and press the SELECT button to view up to 16 error history records. Four records are shown per page, and the top record on the first page indicates the latest error record.



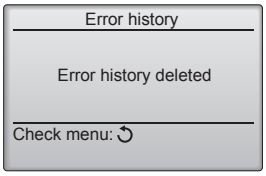
[Deleting the error history]

To delete the error history, press the F4 button (Delete) on the screen that shows error history. A confirmation screen will appear asking if you want to delete the error history.

Press the F4 button (OK) to delete the error history.



“Error history deleted” will appear on the screen. Press the RETURN button to go back to the Check menu screen.



② Other options in the Check menu (Mr. SLIM only)

The following options are also available on the Mr. SLIM units in the Check menu.

- Smooth maintenance
- Request code

These options are available only on the Mr. SLIM units. Refer to the indoor unit Installation Manual for details.

(7) Diagnostic function

Error history of each unit can be checked via the remote controller.

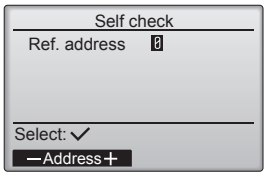
[Button operation]

① Select “Self check” from the Diagnosis menu, and press the SELECT button to view the Self check screen.

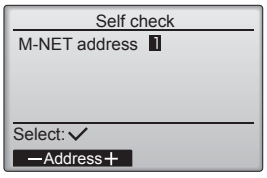
② With the F1 or F2 button, enter the refrigerant address (Mr. SLIM) or the M-NET address (CITY MULTI), and press the SELECT button.

③ Error code, unit number, attribute, and indoor unit demand signal ON/OFF status at the contact (CITY MULTI only) will appear. “-” will appear if no error history is available.

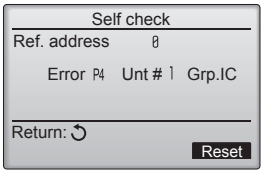
<Mr. SLIM>



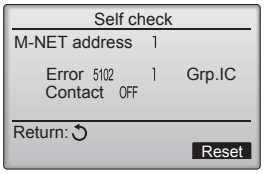
<CITY MULTI>

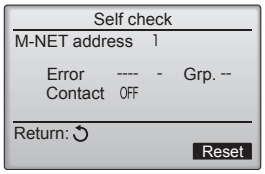


<Mr. SLIM>



<CITY MULTI>

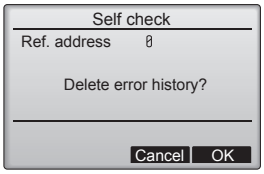




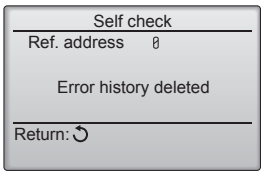
When there is no error history

[Resetting the error history]

① Press the F4 button (Reset) on the screen that shows the error history. A confirmation screen will appear asking if you want to delete the error history.



② Press the F4 button (OK) to delete the error history. If deletion fails, “Request rejected” will appear, and “Unit not exist” will appear if no indoor units that are correspond to the entered address are found.



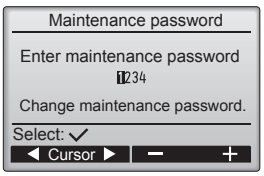
(8) Changing the maintenance password

[Button operation]

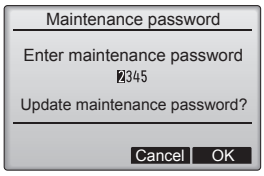
① Select “Maintenance password” on the Others menu, and press the SELECT button to bring up the screen to enter a new password.

② Move the cursor to the digit you want to change with the F1 or F2 button, and set each digit to the desired number (0 through 9) with the F3 or F4 button.

③ Press the SELECT button to save the new password.

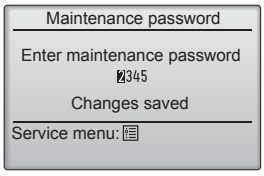


④ A confirmation screen will appear asking if you want to change the maintenance password. Press the F4 button (OK) to save the change. Press the F3 button (Cancel) to cancel the change.



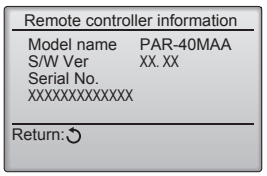
⑤ “Changes saved” will appear when the password is updated.

⑥ Press the MENU button to return to the Service menu or press the RETURN button to go back to the “Maintenance password” screen.



(9) Remote controller information

The following information of the remote controller in use can be checked.
- Model name
- Software version
- Serial number



[Button operation]

① Select “Others” from the Service menu.

② Select “Remote controller information”.

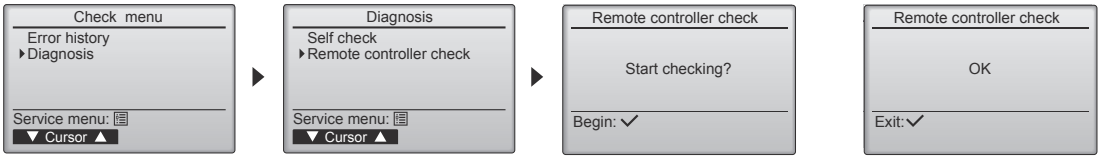
12.Remote controller check

When the remote controller does not work properly, use the remote controller checking function to troubleshoot the problem.

(1) Check the remote controller display and see if anything is displayed (including lines). Nothing will appear on the remote controller display if the correct voltage (8.5-12 VDC) is not supplied to the remote controller. If this is the case, check the remote controller wiring and indoor units.

[Button operation]

① Select “Remote controller check” from the Diagnosis menu, and press the SELECT button to start the remote controller check and see the check results. To cancel the remote controller check and exit the Remote controller check menu screen, press the MENU or the RETURN button. The remote controller will not reboot itself.



Select “Remote controller check”.

Remote controller check results screen

OK: No problems are found with the remote controller. Check other parts for problems.
E3, 6832: There is noise on the transmission line, or the indoor unit or another remote controller is faulty. Check the transmission line and the other remote controllers.
NG (ALL0, ALL1): Send-receive circuit fault. Remote controller needs replacing.
ERC: The number of data errors is the discrepancy between the number of bits in the data transmitted from the remote controller and that of the data that was actually transmitted over the transmission line. If data errors are found, check the transmission line for external noise interference.

② If the SELECT button is pressed after the remote controller check results are displayed, remote controller check will end, and the remote controller will automatically reboot itself.

Simple MA Remote Controller PAC-YT52CRA

*MAC-334IF-E required

Photo

Descriptions

New functions have been added to the CITY MULTI series that enable the setting of certain indoor unit functions (such as static pressure) from the remote controller. (For more detailed information, please contact your nearest sales office or distributor.)

Applicable Models

- MSZ-LN18,25,35,50,60VGW,V,B,R*
- MSZ-AP15,20VG*
- MSZ-AP25,35,42,50,60,71VG*
- MSZ-FH25,35,50VE2*
- MSZ-EF18,22,25,35,42,50VGW,B,S*
- MSZ-SF15,20VA*
- MSZ-SF25,35,42,50VE3*
- MSZ-GF60,71VE2*
- MSZ-BT20,25,35,50VG(K)
- MSZ-WN25,35VA*
- MSZ-DM25,35VA*
- MSZ-HR25,35,42,50,60,70VF
- MSY-TP35,50VF
- MFZ-KJ25,35,50VE2*
- MFZ-KT25,35,50,60VG
- MLZ-KP25,35,50VF*
- P-series models (Except PSA-RP•KA)
- SLZ-M·FA series
- SEZ-M·DA series

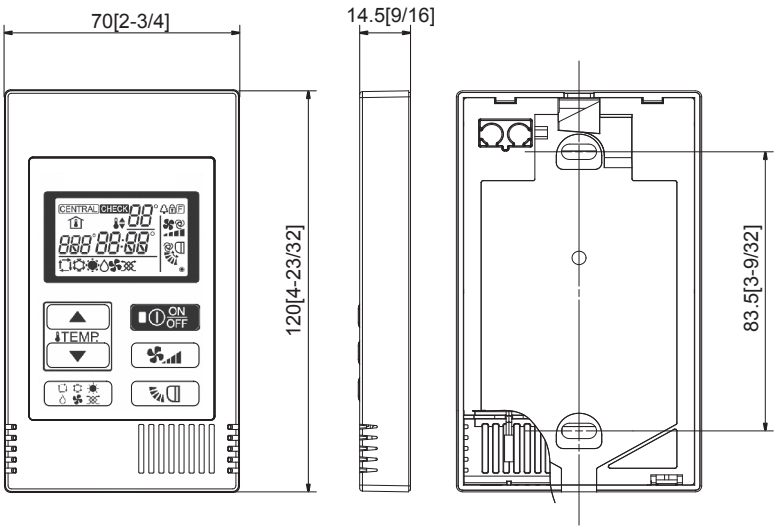
※ Remote controller terminal block kit for PKA PAC-SH29TC-E

Specifications

	Specifications
Product size	70 (W) × 120 (H) × 14.5 (D) mm (2-3/4 × 4-3/4 × 9/16 [in]) (not including the protruding part)
Net weight	0.1 kg (1/4 lb.)
Rated power supply voltage	12 VDC (supplied from indoor units)
Power consumption	0.3 W
Usage environment	Temperature 0 to 40ºC (32 to104ºF) Humidity 30 - 90%RH (with no dew condensation)
Material	PC + ABS

Dimensions

Unit:mm[in.]



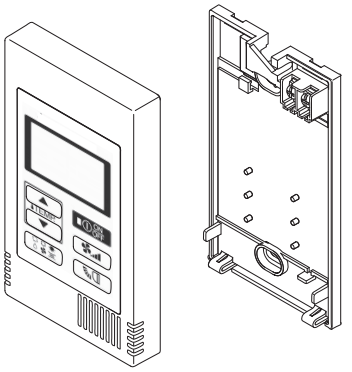
How to Use / How to Install

1 Component names and supplied parts

The following parts are included in the box.

Parts name	Qty.	Appearance
Remote controller (top case)	1	Right figure *1
Remote controller (bottom case)	1	Right figure *2
Roundhead cross slot screws M4×30	2	*3
Wood screw 4.1×16 (for direct wall installation)	2	*3
Installation Manual (this manual)	1	
Instruction Book	1	

Top case *1 Bottom case *2



*3 ISO metric screw thread
*4 Remote controller cable is not included.

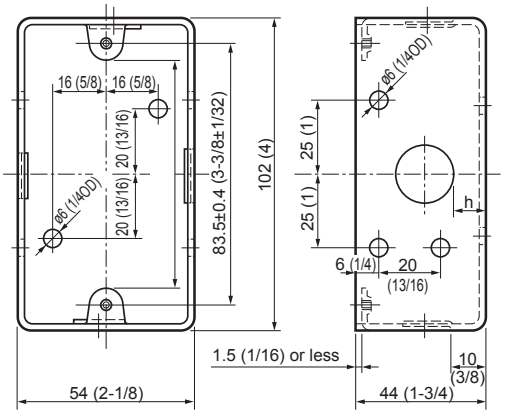
2 Field-supplied parts/Required tools

(1) Field-supplied parts

The following parts are field-supplied parts.

Parts name	Qty.	Notes
Single switch box	1	Not required for direct wall installation
Thin metal conduit	Necessary	
Lock nut and bushing	Necessary	
Cable cover	Necessary	Required for routing remote controller cable along a wall
Putty	Reasonable	
Molly anchor	Necessary	
Remote controller cable (Use a 0.3 mm² (AWG22) 2-core sheathed cable.)	Necessary	

Switch box



unit: mm (in)

(2) Field-supplied tools

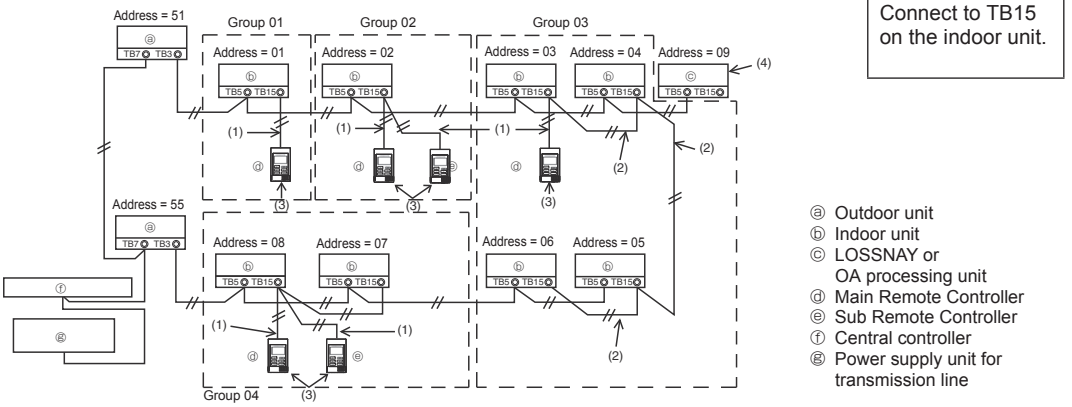
- Flat-tip screwdriver (Width: 3 - 5 mm (1/8 - 7/32 inch))
- Knife or Nipper
- Miscellaneous tools

3 How To Wire Transmission Line

The wiring is different when the remote controller is connected to a CITY MULTI control system ("-A" type and later) and when it is connected to a Mr. SLIM air conditioner (A control type). The wiring also differs with the system configuration. Check the system used.

1. Connecting to CITY MULTI control system

The numbers (1) to (4) in the figure correspond to items (1) to (4) in the following description.



(1) Wiring from the remote controller
- Connect to the MA remote controller terminal block (TB15) on the indoor unit.
- The terminal block has no polarity. Connect to the terminal block at the rear bottom of the remote controller.

(2) Operating in a group (Groups 03, and 04 above)
- Interconnect the MA remote controller terminal block (TB15) of the indoor units you want to operate as a group, and connect the MA remote controller to that point.
- When the remote controller is used in combination with the system controller as shown in the figure above, group setting at the system controller (central controller in the figure above) is necessary.

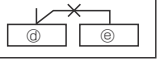
(3) Number of connectable remote controllers (groups 02 and 04)
- A main remote controller and one sub remote controller, a total of two, can be connected to a group made up of indoor units.

NOTE: When using this Simple MA remote controller in combination with other MA remote controllers, be sure to follow the compatibility rules below.

Indoor unit function	Main remote controller	Sub remote controller	Compatibility
Models applicable for AUTO (dual set point) mode	This Simple MA remote controller	This Simple MA remote controller	Compatible, and AUTO (dual set point) mode can be used depending on the indoor units to be connected.
	Other MA remote controllers	This Simple MA remote controller	Compatible, but AUTO (dual set point) mode cannot be used.
	This Simple MA remote controller	Other MA remote controllers	Incompatible
Models not applicable for AUTO (dual set point) mode	Combination with all of the above		Compatible

(4) To interlock to a LOSSNAY or OA processing unit, make the following settings using the remote controller. (For a description of how to set an interlock, see section 6 Ventilation Setting .)
Set the LOSSNAY or OA processing unit address and the address of all the indoor units you want to interlock.

(5) Total length of remote controller wiring
- The simple MA controller can be wired up to 200 m (656 ft).

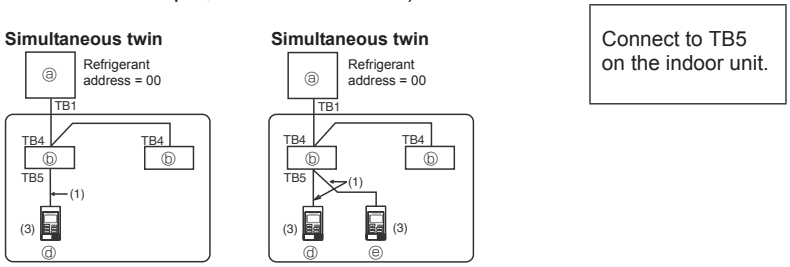
⚠ CAUTION	Remote controllers cannot be wired together. Only one wire can be connected to the remote controller terminal block. 

NOTE: When interlocking the MA remote controller with a LOSSNAY or OA processing unit, always set the address of all the indoor units in the group and the address of the LOSSNAY or OA processing unit.

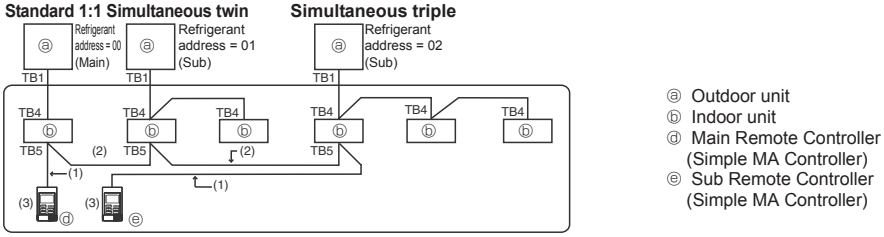
2. Connecting to Mr. SLIM air conditioner

The remote controller wiring depends on the system configuration. Check the system configuration. Wire the remote controller as shown in the example below.
The numbers (1) to (3) in the figure correspond to items (1) to (3) in the following description.

[1] Connecting the remote controller for each refrigerant system (Standard 1:1, simultaneous twin, simultaneous triple, simultaneous four)



[2] When grouping by different refrigerant systems



* Set the refrigerant address using the outdoor unit dip switches. (For more information, refer to the outdoor unit installation manual.)
* All the indoor units enclosed in ⬭ are controlled as one group.

(1) Wiring from remote controller
- Connect to indoor unit TB5 (remote controller terminal block). (The terminal block has no polarity.)
- For simultaneous multi type, when mixing various types of indoor units, always connect the remote controller to the indoor unit with the most functions (wind velocity, vane, louver, etc.).

(2) When grouping with difference refrigerant systems
- Group using the remote controller wiring. Connect the remote controller to an arbitrary indoor unit of each refrigerant system you want to group.
- When mixing different types of indoor units in the same group, always make the outdoor unit connecting the indoor unit with the most functions (wind velocity, vane, louver, etc.) the Main unit (refrigerant address = 00). Also, when the Main unit is the simultaneous multi type, always satisfy the conditions of (1) above.
- The Simple MA Remote Controller can control up to 16 refrigerant systems as one group.

(3) Up to two remote controllers can be connected to one group
- When two remote controllers are connected to one group, always set the Main remote controller and Sub remote controller.
- When only one remote controller is connected to one group, set it as the Main controller. When two remote controllers are connected to one group, set the Main remote controller and Sub remote controller. (For a description of how to set the Main/Sub switch, see step 5 in section 4 How To Install .)

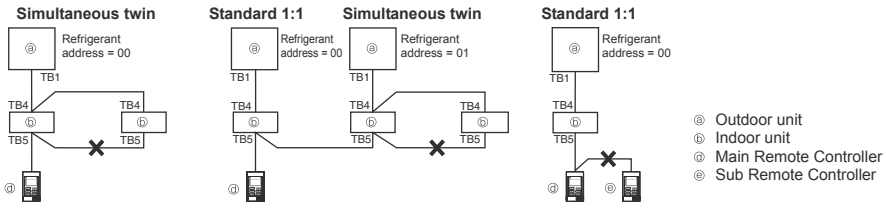
NOTE: When using this Simple MA remote controller in combination with other MA remote controllers, be sure to follow the compatibility rules below.

Indoor unit function	Main remote controller	Sub remote controller	Compatibility
Models applicable for AUTO (dual set point) mode	This Simple MA remote controller	This Simple MA remote controller	Compatible, and AUTO (dual set point) mode can be used depending on the indoor units to be connected.
	Other MA remote controllers	This Simple MA remote controller	Compatible, but AUTO (dual set point) mode cannot be used.
	This Simple MA remote controller	Other MA remote controllers	Incompatible
Models not applicable for AUTO (dual set point) mode	Combination with all of the above		Compatible

(4) Total length of remote controller wiring

• The Simple MA Remote Controller can be wired up to 500 m (1640 ft).

⚠CAUTION
- The wiring cannot be connected to TB5 of the indoor unit of the same refrigerant system. If so connected, the system will not operate normally.
- Remote controllers cannot be wired together. Only one wire can be connected to the remote controller terminal block.
- When connecting to TB5, connect up to two wires of the same size to one terminal block.



4 How To Install

This remote controller is for the wall installation. It can be installed either in the switch box or directly on the wall. When performing direct wall installation, wires can be thread through either back or top of the remote controller.

(1) Selecting an installation site

Install the remote controller (switch box) on the site where the following conditions are met.

(a) A flat surface

(b) A place where the remote controller can measure the accurate indoor temperature
Sensors to monitor indoor temperature are on the indoor unit and on the remote controller. When the room temperature is monitored with the sensor on the remote controller, the built-in sensor on the Main remote controller monitors the room temperature. When using the sensor on the remote controller, follow the instructions below.

- To monitor the accurate indoor temperature, install the remote controller away from direct sunlight, heat sources, and the supply air outlet of the air conditioner.
- Install the remote controller in a location that allows the sensor to measure the representative room temperature.
- Install the remote controller where no wires are routed around the temperature sensor on the controller. (If wires are routed, the sensor cannot measure accurate indoor temperature.)

Important

Do not install the controller in a place where the difference between the remote controller surface temperature and the actual room temperature will be great.
If the temperature difference is too high, room temperature may not be adequately controlled.

To reduce the risk of malfunctions, do not install the controller in a place where water or oil may come into contact with the controller, or in a condensing or corrosive environments.

To avoid deformation and malfunction, do not install the remote controller in direct sunlight or where the ambient temperature may exceed 40ºC (104ºF) or drop below 0ºC (32ºF).

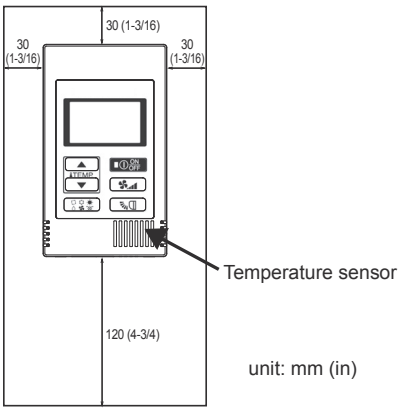
Do not install the remote controller directly onto electrically conductive objects such as metal plate that has not been painted.

(2) Installation space

Leave a space around the remote controller as shown in the figure shown below, regardless of whether the controller is installed in the switch box or directly on the wall. Removing the remote controller will not be easy with insufficient space.
Also, leave an operating space in front of the remote controller.

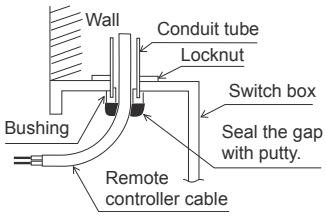
External dimensions of remote controller

Minimum required space around the remote controller



(3) Installation work

Controller can be installed either in the switch box or directly on the wall. Perform the installation properly according to the installation method.



① **Drill a hole in the wall.**

■ Installation using a switch box
- Drill a hole in the wall, and install the switch box on the wall.
- Connect the switch box to the conduit tube.

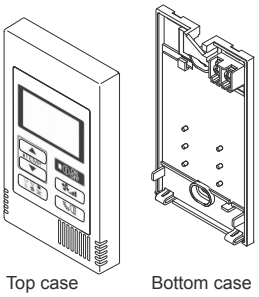
■ Direct wall installation
- Drill a hole in the wall, and thread the cable through it.

② **Seal the cable access hole with putty**

■ Installation using a switch box
- Seal the remote controller cable access hole at the connection of switch box and conduit tube with putty.

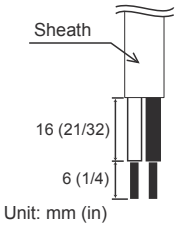
> To reduce the risk of electric shock, malfunctions, or fire, seal the gap between the cables and cable access holes with putty.

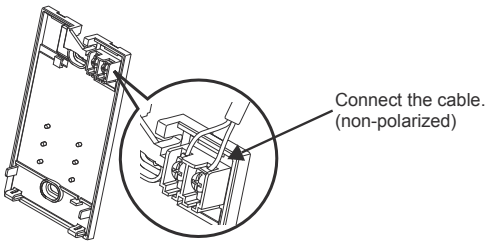
③ **Prepare the bottom case of the remote controller.**

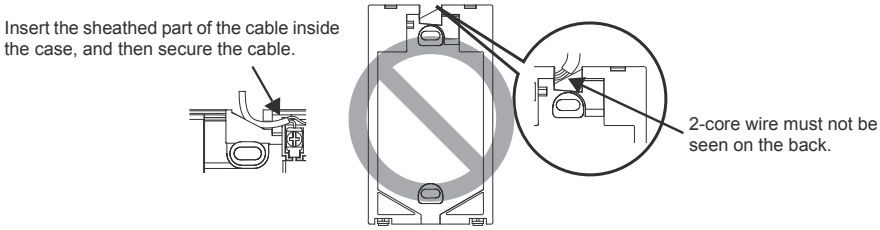


④ **Connect the remote controller cable to the terminal block on the bottom case.**

Peel off the remote controller cable sheath as shown below to connect to the terminal block properly. Secure the remote controller cable so that the peeled part of the cable will fit into the case.

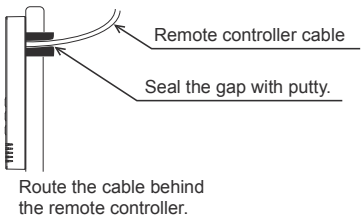






■ Direct wall installation
- Seal the hole through which the cable is threaded with putty.

> To reduce the risk of electric shock, shorting, or malfunctions, keep wire pieces and sheath shavings out of the terminal block.



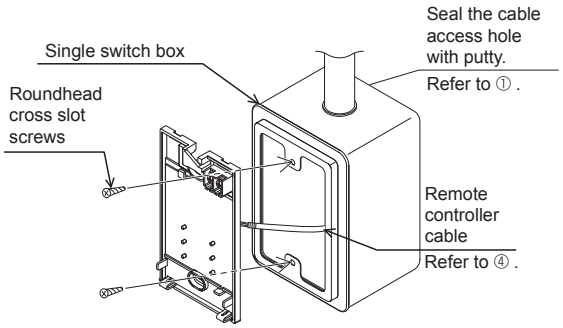
Important

> Do not use solderless terminals to connect cables to the terminal block.
> Solderless terminals may come in contact with the circuit board and cause malfunctions or damage the controller cover.

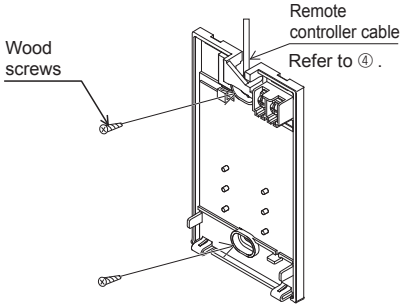
⑤ **Install the bottom case.**

Be sure to secure two places of the bottom case.

■ Installation using a switch box



■ Direct wall installation



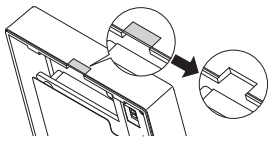
Important

To avoid deformation and damage to the bottom case, do not overtighten the screws.	To avoid damage to the bottom case, do not make holes on it.

⑥ **Cut out the cable access hole.**

■ Direct wall installation (when running the cable along the wall)

- Cut out the thin-wall part on the cover (the shaded area in the right figure) with a knife or a nipper.
- Thread the cable from the groove behind the bottom case through this access hole.



⑦ **Set the dip switches on the top case.**

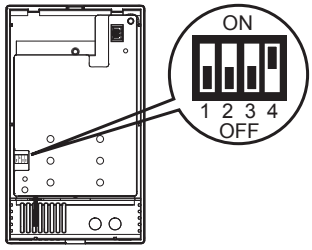
When using two remote controllers in one group, set the dip switches.
When using two remote controllers in one group, specify the main and sub remote controllers using dip switch No. 1 shown below.

- When connecting only one remote controller to one group, it is always the main remote controller. When connecting two remote controllers to one group, set one remote controller as the main remote controller and the other as the sub remote controller.
- The factory setting is “Main”.

Setting the dip switches

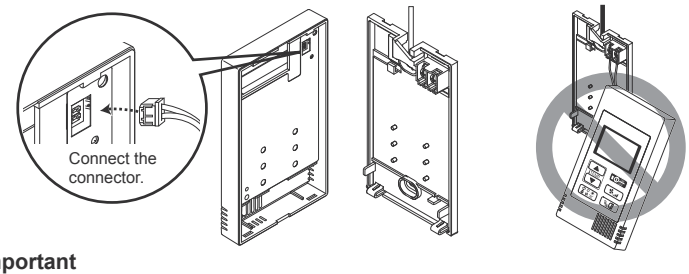
There are switches on the back of the top case. Remote controller Main/Sub and other function settings are performed using these switches. Ordinarily, only change the Main/Sub setting of SW1. (The factory settings are ON for SW1, 2, and 3 and OFF for SW4.)

SW No.	SW contents Main	ON	OFF	Comment
1	Remote controller Main/Sub setting	Main	Sub	Set one of the two remote controllers at one group to “ON”.
2	Temperature display units setting	Celsius	Fahrenheit	When the temperature is displayed in [Fahrenheit], set to “OFF”.
3	Cooling/heating display in AUTO mode	Yes	No	When you do not want to display “Cooling” and “Heating” in the AUTO mode, set to “OFF”.
4	Indoor temperature display	Yes	No	When you want to display the indoor temperature, set to “ON”.



⑧ **Connect the connector to the top case.**

Connect the connector on the bottom case to the socket on the top case.



Important

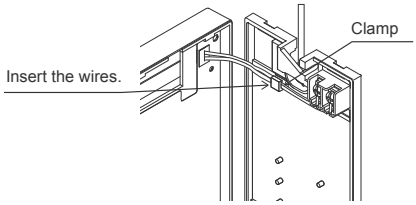
To prevent malfunctions, do not remove the protective sheet or the circuit board from the top case.

To prevent cable breakage and malfunctions, do not hang the top controller casing hang by the cable as shown in the figure above.

⑨ **Insert the wires into the clamp.**

Important

Hold the wires in place with the clamp to prevent undue force from being applied to the terminal block and causing cable breakage.

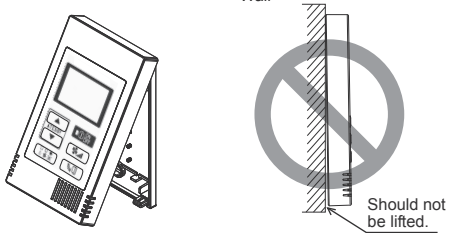


⑩ **Install the top case on the bottom case.**

Two mounting tabs are at the top of the top case.
Hook those two tabs onto the bottom case, and click the top case into place. Check that the case is securely installed and not lifted.

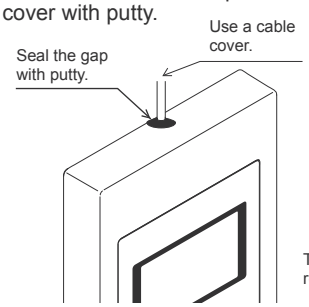
Important

When attaching the top casing to the bottom casing, push it until it they click into place. If they are not properly locked into place, they may fall, causing personal injury, controller damage, or malfunctions.



■ Direct wall installation (when running the cable along the wall)

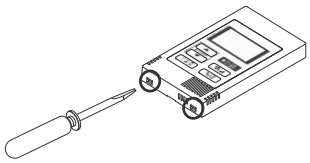
- Thread the cable through the access hole at the top of the remote controller.
- Seal the cut-out part of the cover with putty.
- Use a cable cover.



- **Uninstalling the top case**

① Uninstalling the top case

Insert a flat-tip screwdriver with a blade width of 3-5 mm (1/8-7/32 inch) into the latches at the bottom of the remote controller and lift the latches. Then, pull up the top case.



Important

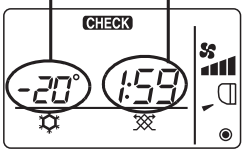
To prevent damage to the controller casing, do not force the flat-tip screwdriver to turn with its tip inserted in the slot.

Do not insert the flat-tip screwdriver too far. Doing so will damage the circuit board.

5 Test Run

1. Before making a test run, refer to the “Test Run” section of the indoor unit installation manual.
2. When the ON/OFF button and TEMP. ▲ button are pressed simultaneously for 2 seconds or longer, test run is performed.
3. Stop the test run by pressing the ON/OFF button.
4. If trouble occurred during the test run, refer to the “Test Run” section of the indoor unit installation manual.

Indoor unit piping temperature	Test run time
Display range: -20ºC (-4ºF) to 70ºC (158ºF) “-20ºC” or “70ºC” flashes on the display.	The remaining time for test run is displayed. Display range: 2:00 to 0:01 After two hours, the test run stops automatically.



6 Ventilation Setting

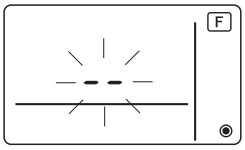
Make this setting only when interlocked operation with LOSSNAY or OA processing unit is necessary with CITY MULTI models.
(This setting cannot be made with Mr. SLIM air conditioners.)

Perform this operation when you want to register the LOSSNAY or OA processing unit, confirm the registered units, or delete the registered units controlled by the remote controller.
The following uses indoor unit address 05 and LOSSNAY or OA processing unit address 30 as an example to describe the setting procedure.

[Setting Procedure]

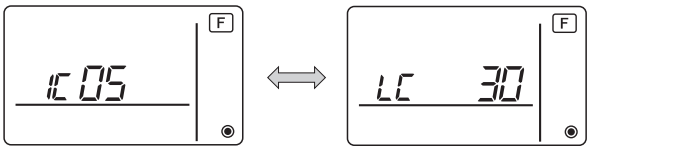
① Stop the air conditioner using the remote controller ON/OFF button.

② Press and hold down the fan speed and TEMP. ▼ buttons at the same time for two seconds. The display shown below appears. The remote controller confirms the registered LOSSNAY or OA processing unit addresses of the currently connected indoor units.



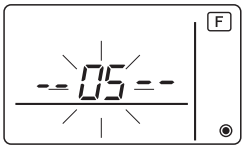
③ Registration confirmation result

- The indoor unit address and registered LOSSNAY or OA processing unit address are displayed alternately.



<Indoor unit address and indoor unit display> <LOSSNAY address display and LOSSNAY display>

- When LOSSNAY or OA processing unit are not registered

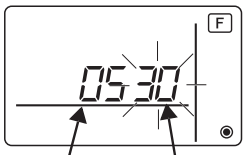


④ If registration is unnecessary, end registration by pressing and holding down the fan speed and TEMP. ▼ buttons at the same time for two seconds.
If a new LOSSNAY or OA processing unit must be registered, go to step **1. Registration procedure**.
If you want to confirm another LOSSNAY or OA processing unit, go to step **2. Confirmation procedure**. To delete a registered LOSSNAY or OA processing unit, go to step **3. Deletion procedure**.

<1. Registration procedure>

⑤ Set the address of the indoor unit to be interlocked with the LOSSNAY unit using the [TEMP. ▲] and [TEMP. ▼] buttons. (01 to 50)

⑥ After setting, press the [ ] button and set the Lossnay address you want to register by operating the [TEMP. ▲] and [TEMP. ▼] buttons. (01~50)

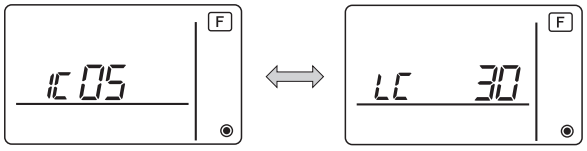


Indoor unit address LOSSNAY or OA processing unit address

⑦ Press the [ON/OFF] button, and register the set indoor unit address and LOSSNAY address.

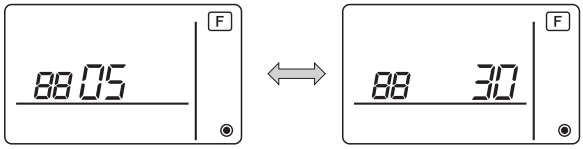
- Registration end display

The indoor unit address and “IC” and LOSSNAY address and “LC” are alternately displayed.



- Registration error display

If the address is not registered correctly, the indoor unit address and [88], and the registered LOSSNAY (or OA processing unit address) and [88] are alternately displayed.



Cannot be registered because the registered indoor unit or LOSSNAY or OA processing unit does not exist.

Cannot be registered because another LOSSNAY or OA processing unit was registered at the registered indoor unit.

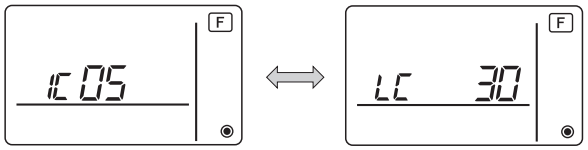
<2. Confirmation procedure>

⑧ Set the address of the indoor unit connected by the remote controller whose LOSSNAY or OA processing unit you want to confirm using the [TEMP. ▲] and [TEMP. ▼] buttons. (01 to 50)

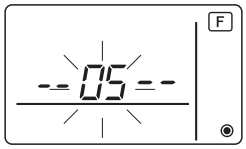
⑨ Press the [ON/OFF] button and [ ] button simultaneously for 2 seconds, and check the LOSSNAY address registered at the set indoor unit address.

- Confirmation end display (When LOSSNAY is connected.)

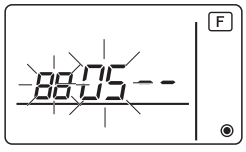
The indoor unit address and “IC” and registered LOSSNAY address and “LC” are alternately displayed.



- Confirmation end display (When LOSSNAY or OA processing unit is not connected.)



- Registered indoor unit address does not exist.



<3. Deletion procedure>

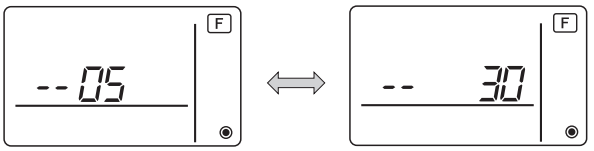
Use this procedure when you want to delete registration of indoor units connected by the remote controller and LOSSNAY or OA processing unit.

⑩ Confirm (see **2. Confirmation procedure**) the LOSSNAY or OA processing unit you want to delete and display the indoor units and LOSSNAY or OA processing unit confirmation results.

⑪ Press the [TEMP. ▲] and [TEMP. ▼] buttons simultaneously for 2 seconds, and delete registration of the LOSSNAY or OA processing unit address registered at the set indoor unit.

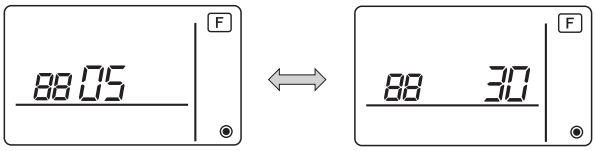
- Deletion end display

  Indoor unit address and "– –" and registered LOSSNAY or OA processing unit address and "– –" are alternately displayed.



- Deletion error display

  When deletion was not performed properly.



7 Function Selection for Mr. SLIM

Make the following settings for Mr. SLIM if necessary.
(This setting cannot be made with CITY MULTI Control System. To make CITY MULTI indoor unit settings from the remote controller, refer to section 8 Function Selection for CITY MULTI .)

Set the functions of each indoor unit from the remote controller, as required. The functions of each indoor unit can be selected only from the remote controller.
Set the functions by selecting the necessary items from Table 1.

Table1. Function selection contents

(For a detailed description of the factory settings and mode of each indoor unit, refer to the indoor unit installation manual.)

Mode No.	Mode	Settings	Setting No.	Check	Unit numbers
01	Automatic recovery after power failure	Disable	1		Set "00" for the Unit number. These settings apply to all the connected indoor units.
		Enable (Four minutes of standby time is required after the restoration of power.)	2		
02	Thermistor selection (Indoor temperature detection)	Average temperature reading of the indoor units in operation	1		
		Thermistor on the indoor unit to which the remote controller is connected (fixed)	2		
		Built-in sensor on the remote controller	3		
03	LOSSNAY connection	Not connected	1		
		Connected (without outdoor air intake by the indoor units)	2		
		Connected (with outdoor air intake by the indoor units)	3		
04	Power voltage	240 V	1		
		220 V, 230 V	2		
07	Filter sign	100 hours	1		Set "01" to "04" or "AL" for the Unit number. These settings apply to each indoor unit. • If "01" ("02", "03", "04") is set for the Unit number, the settings apply only to the specified indoor unit regardless of the number of connected indoor units (one through four units). • If "AL" is set for the Unit number, the settings apply to all the connected indoor units regardless of the number of connected indoor units (one through four units).
		2500 hours	2		
		Not displayed	3		
08	Fan speed	Silent mode (or standard)	1		
		Standard (or High ceiling 1)	2		
		High ceiling (or High ceiling 2)	3		
09	No. of air outlets	4 directional	1		
		3 directional	2		
		2 directional	3		
10	Installed options (High performance filter)	No	1		
		Yes	2		
11	Vane setting	No vanes (or the vane setting No.3 is effective.)	1		
		Equipped with vanes (The vane setting No.1 is effective.)	2		
		Equipped with vanes (The vane setting No.2 is effective.)	3		

* Static pressure setting can be made by using Mode 08 in combination with Mode 10 depending on the indoor unit model. Refer to the Indoor unit Installation Manual for details.

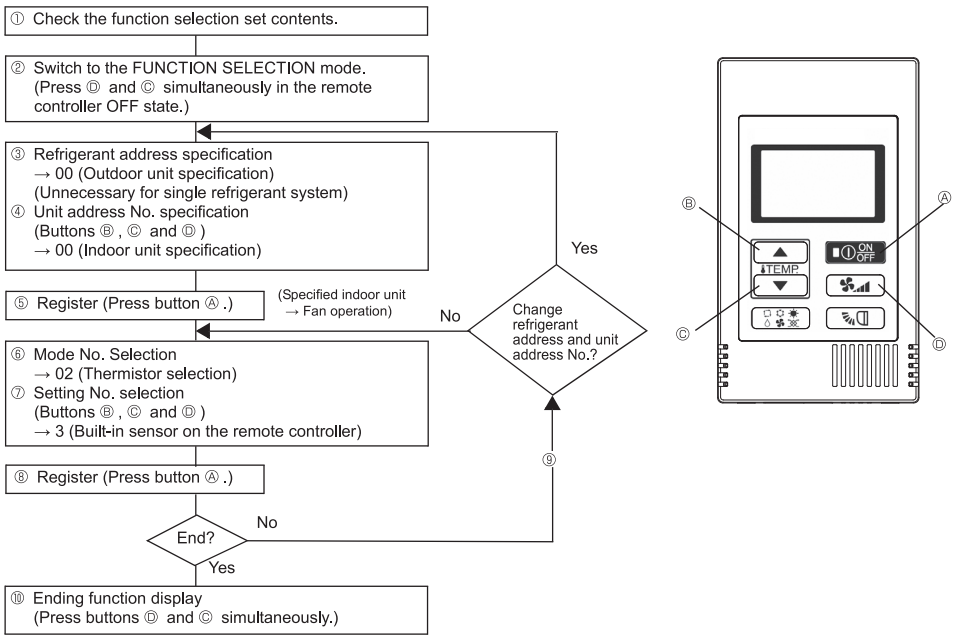
* For mode numbers other than listed above, refer to the indoor unit installation manual.

NOTE: When the indoor unit functions were changed using the function selection after installation is complete, always indicate the set contents by entering check marks or other marks in the appropriate check field of Table 1.

[Function selection flow]

First grasp the function selection flow. The following describes setting of “Thermistor selection” of Table 1 as an example.

(For the actual setting procedure, see [Setting procedure] ① to ⑩ .)



[Setting procedure] (Set only when change is necessary.)

① Check the set contents of each mode. When the set contents of a mode were changed by function selection, the functions of that mode also change.
Check the set contents as described in steps ② to ⑦ and change the setting based on the entries in the Table 1 check field. For the factory settings, refer to the indoor unit installation manual.

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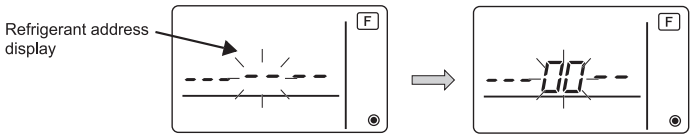
② Set the remote controller to Off.
Press and hold down the Ⓓ [fan] and the Ⓒ [TEMP. ▼] buttons at the same time for two seconds or longer.
“ F (FUNCTION)” blinks for a while, then the remote controller display changes to the display shown below.

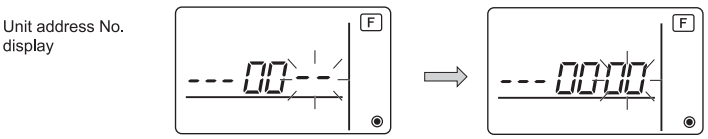


③ Set the outdoor unit refrigerant address No.
When the Ⓑ [TEMP. ▲] and Ⓒ [TEMP. ▼] buttons are pressed, the refrigerant address No. decreases and increases between 00 and 15.
Set it to the refrigerant address No. whose function you want to select.
(This step is unnecessary for single refrigerant system.)

* If the remote controller enters the OFF state after the “F (FUNCTION)” and room temperature displays “ 88 ” have flashes for two seconds, communication is probably abnormal. Make sure there are no noise sources near the transmission line.

NOTE: If you make a mistake during operation, end function selection by step ⑩ and repeat selection from step ② .

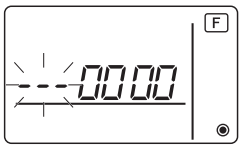
④ Set the indoor unit address No.
Press the Ⓓ [fan] button. The unit address No. display “– –” flashes.
When the Ⓑ [TEMP. ▲] and Ⓒ [TEMP. ▼] buttons are pressed, the unit address No. changes in the order of 00 ↔ 01 ↔ 02 ↔ 03 ↔ 04 ↔ AL. Set it to the unit address No. of the indoor unit whose functions you want to set.



* When setting mode 1 to 6, set the unit address No. to “00”.
* When setting modes 7 to 14:
  - When setting for each indoor unit, set the unit address No. to “01-04”.
  - When batch setting for all indoor units, set the unit address No. to “AL”.

⑤ Refrigerant address and unit address No. registration
Press the Ⓐ ON/OFF button. The refrigerant address and unit address No. are registered.
After a while, the mode No. display "– –" flashes.

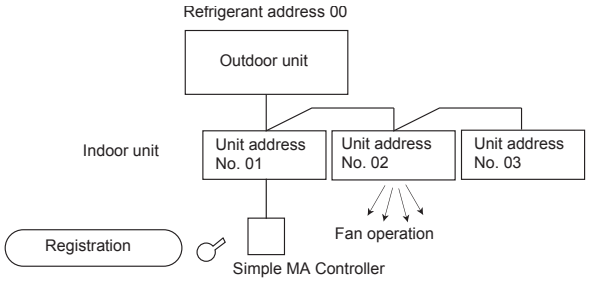
Mode No. display



* When " 88 " flashes at the room temperature display, the selected refrigerant address is not in the system. When "F" is displayed at the unit address No. display, and when it flashes together with the refrigerant address display, the selected unit address No. does not exist. Correctly set the refrigerant address and unit address No. by repeating steps ③ and ④ .

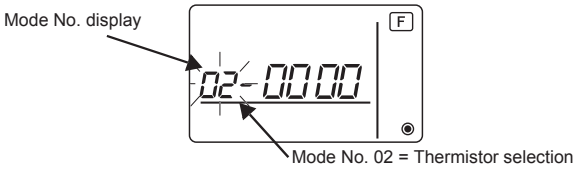
When registered using the Ⓐ ON/OFF, the registered indoor unit begins fan operation.
When you want to know the location of the indoor units of the unit address No. whose functions were selected, check here.
When the unit address No. is 00 or AL, all the indoor units of the selected refrigerant address perform the fan operation.

EX): When refrigerant address 00, unit address No. = 02 registered

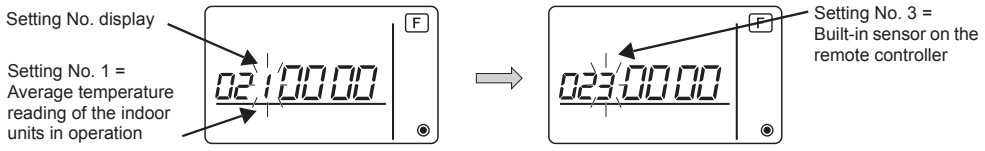


* When grouping by different refrigerant systems and an indoor unit other than the specified refrigerant address performs the fan operation, the refrigerant address set here is probably duplicated.
Recheck the refrigerant address at the outdoor unit dip switches.

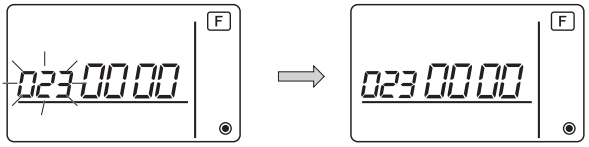
⑥ Mode No. selection
Select the mode No. you want to set with the Ⓑ TEMP. ▲ and Ⓒ TEMP. ▼ buttons. (Only the settable mode numbers can be selected.)



⑦ Select the setting contents of the selected mode.
When the Ⓓ button is pressed, the current setting No. flashes. Use this to check the currently set contents.
Select the setting No. using the Ⓑ TEMP. ▲ and Ⓒ TEMP. ▼ buttons.



⑧ The contents set at steps ③ to ⑦ are registered.
When the Ⓐ ON/OFF button is pressed, the mode No. and setting No. flash and registration begins.
The flashing mode No. and setting No. change to a steady light and setting ends.



* When " 88 " flashes at the Mode No. display, communication is probably abnormal.
Make sure there are no noise sources near the transmission line.

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⑨ To select more functions, press the Ⓓ button and repeat steps ③ to ⑧ .

---

⑩ End function selection.
Press and hold down the Ⓒ [TEMP. ▼] and Ⓓ [fan] buttons at the same time for two seconds or longer.
After a while, the function selection display disappears and the remote controller returns to the air conditioner off display.
* Do not operate the air conditioner from the remote controller for 30 seconds after the end of function selection.

NOTE: When the functions of an indoor unit were changed by function selection after the end of installation, always indicate the set contents by entering check marks or other marks in the appropriate check field of Table 1.

8 Function Selection for CITY MULTI

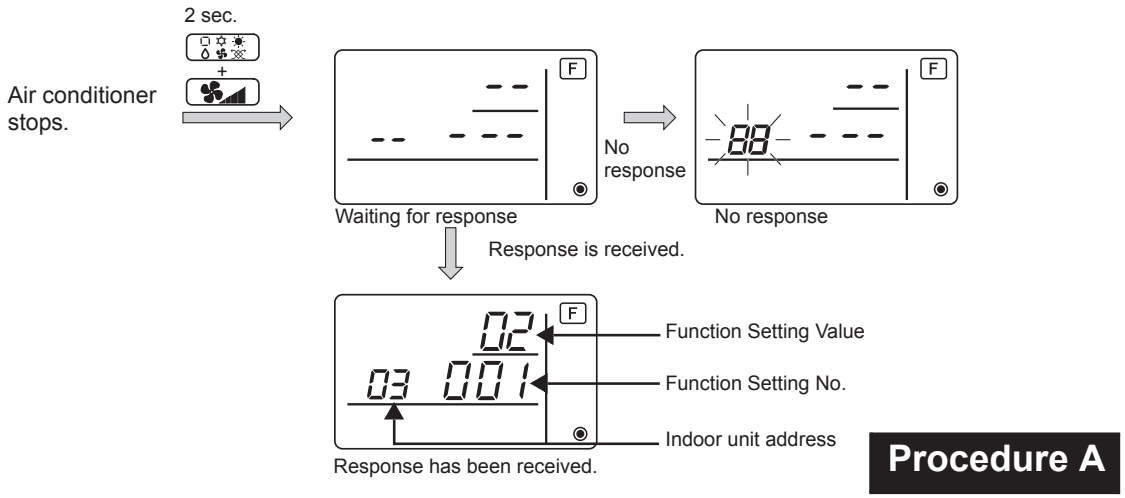
Make this setting only when the function settings need to be changed on CITY MULTI.
(This setting cannot be made with Mr. SLIM Control System. To make settings for Mr. SLIM, refer to section 7 Function Selection for Mr. SLIM .)

Set the functions of each indoor unit from the remote controller, as required.
Refer to the Indoor unit Installation Manual for factory settings, mode No., and the setting No. of the indoor units.

NOTE: Be sure to write down any settings that you change performing the following steps.

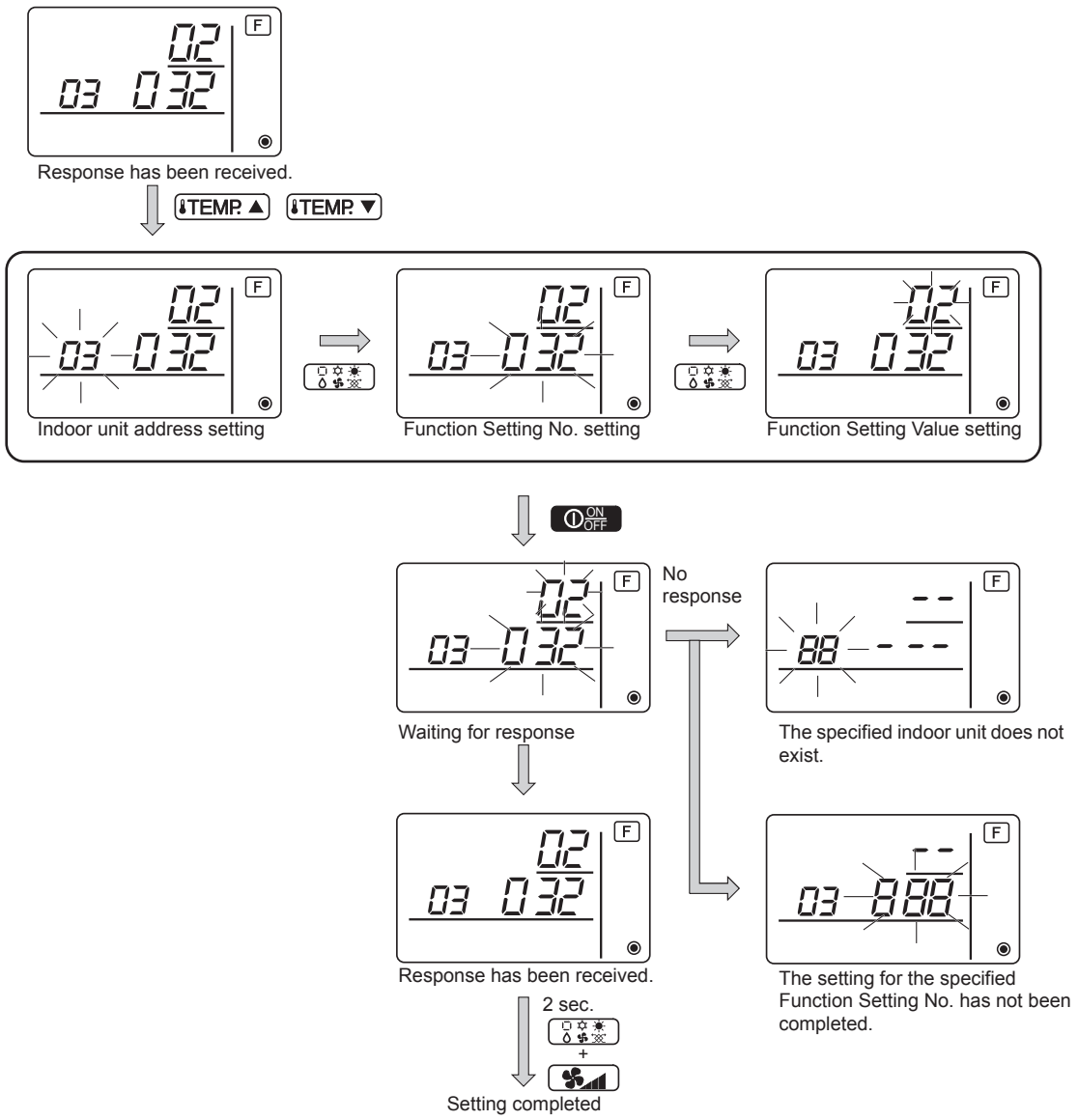
■ Setting the indoor unit Setting Value

① Press the [ON/OFF] button to stop the operation of the air conditioner.
② Press and hold down the [mode] and the [fan] buttons at the same time for two seconds or longer to check the current settings.
③ When the response has been received from the indoor unit, the current settings appear. If there is no response, nothing appears.



④ Press the [TEMP. ▲] and the [TEMP. ▼] buttons to set the address of the indoor unit whose settings to be made. (ALL, 1 to 50)
⑤ Press the [mode] button, then press the [TEMP. ▲] and the [TEMP. ▼] buttons to set the Function Setting No. to be set. (000 to 255)
⑥ Press the [mode] button, then press the [TEMP. ▲] and the [TEMP. ▼] buttons to set the Function Setting Value. to be set (00 to 15)
⑦ Press the [ON/OFF] button to set the settings.

⑧ If the set settings need to be changed, repeat steps ④ to ⑦ .
To complete the settings, press the [ ] and the [ ] buttons at the same time for two seconds or longer.



■ **Checking the indoor unit Function Setting Value**

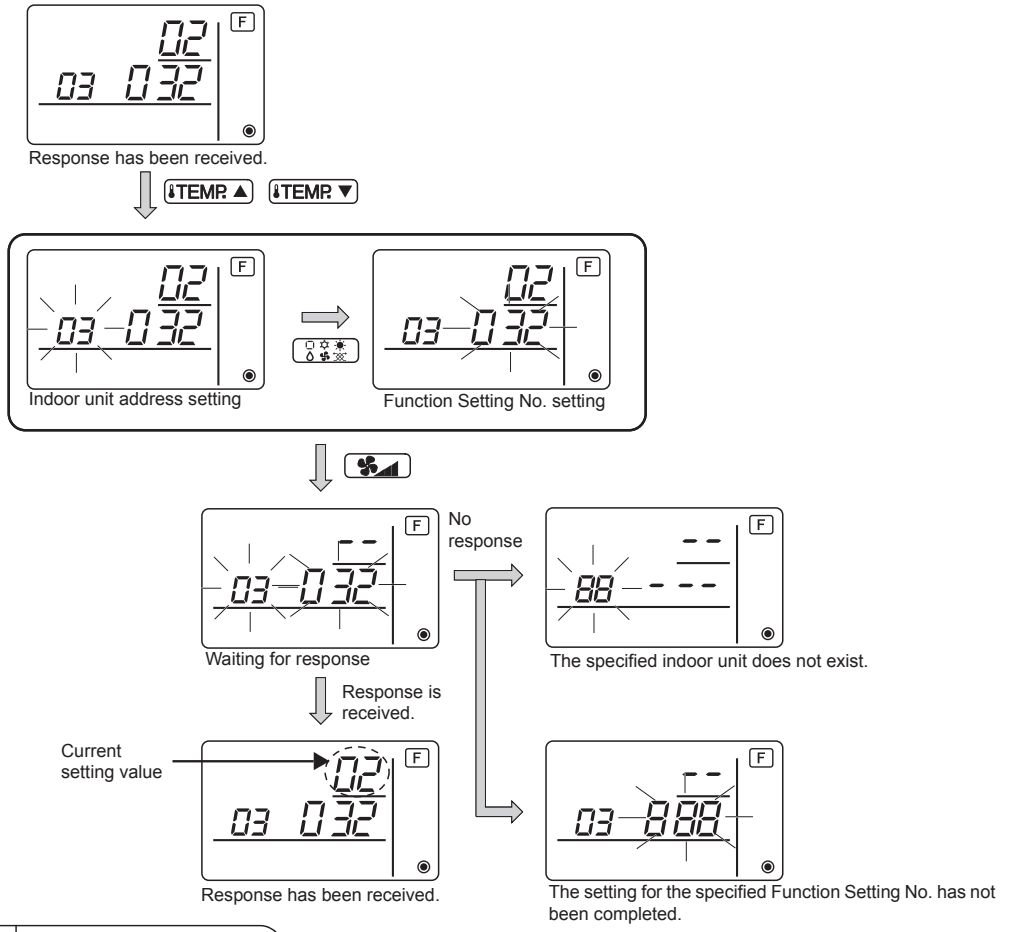
① Perform the Procedure A on the previous page.

② Press the [TEMP. ▲] and the [TEMP. ▼] buttons to set the address of the indoor unit whose settings to be checked. (ALL, 1 to 50)

③ Press the [ ] button, then press the [TEMP. ▲] and the [TEMP. ▼] buttons to set the Function Setting No. to be checked. (000 to 255)

④ Press the [ ] button to display the current Function Setting Value.

⑤ To check the settings, repeat steps ② to ④ .
To complete the checking process, press the [ ] and the [ ] buttons at the same time for two seconds or longer.

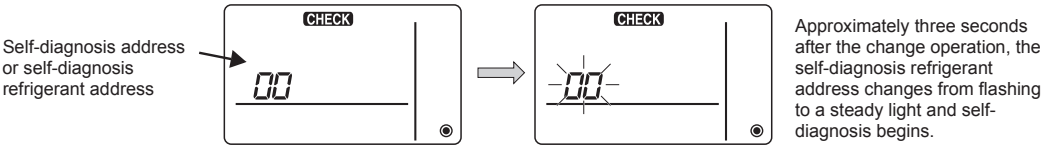


9 Self diagnosis

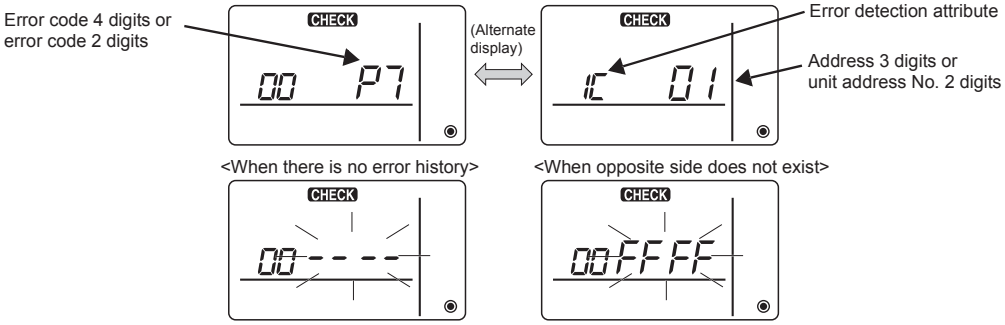
Retrieve the error history of each unit using the Simple MA controller.

① Switch to the self-diagnosis mode.
When the Ⓐ [ON/OFF] button and the Ⓒ [TEMP. ▼] button are pressed for 5 seconds or longer, the figure shown below is displayed.

② Set the address or refrigerant address No. you want to self-diagnosis.
When the Ⓑ [TEMP. ▲] and Ⓒ [TEMP. ▼] are pressed, the address decreases and increases between 01 and 50 or 00 and 15. Set it to the address No. or refrigerant address No. you want to self-diagnosis.

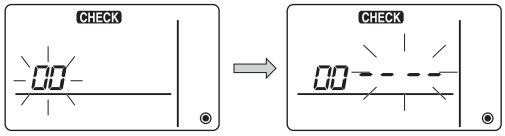


③ Self-diagnosis result display <Error history> (For the contents of the error code, refer to the indoor unit installation manual or service handbook.)



④ Error history reset

The error history is displayed in ③ self-diagnosis results display.
When the Ⓓ [fan] button is pressed two times successively within three seconds, the self-diagnosis object address and refrigerant address flash.
When the error history was reset, the display shown below appears.
When error history reset failed, the error contents are displayed again.



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⑤ Self-diagnosis reset

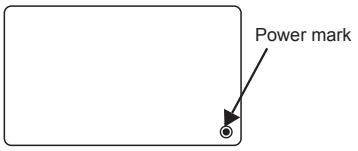
There are the following two ways of resetting self-diagnosis.
Press the Ⓐ [ON/OFF] button and the Ⓒ [TEMP. ▼] button simultaneously for 5 seconds or longer.
→ Resets self-diagnosis and returns to the state before self-diagnosis.

Press the Ⓐ [ON/OFF] button. → Self-diagnosis resets and indoor units stop. (When operation is prohibited, this operation is ineffective.)

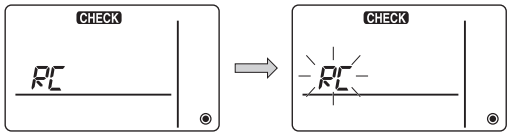
10 Remote Controller Check

When the air conditioner cannot be controlled from the Simple MA controller, use this function to check the remote controller.

① First check the power mark.
When normal voltage (DC12V) is not applied to the remote controller, the power mark goes off.
When the power mark is off, check the remote controller wiring and the indoor unit.

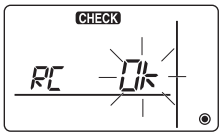


② Switch to the remote controller check mode.
When the Ⓑ [TEMP. ▲] button and Ⓓ [fan] button are pressed simultaneously for 5 seconds or longer, the figure shown below is displayed.
When the Ⓐ [ON/OFF] button is pressed, remote controller check begins.



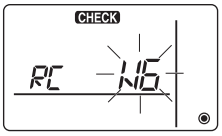
③ Remote controller check result

<When remote controller is normal>



Since there is no problem at the remote controller, check for other causes.

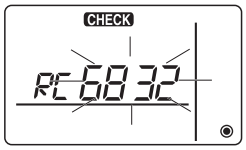
<When remote controller is faulty>



(Error display 1) "NG" flashes
→ Remote controller send/receive circuit abnormal

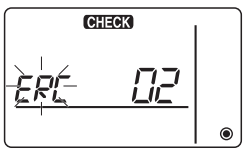
Remote controller switching is necessary.

When the problem is other than the checked remote controller



(Error display 2) "E3" "6833" "6832" flash → Cannot send

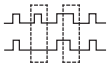
There is noise on the transmission line, or the indoor unit or another remote controller is faulty. Check the transmission line and the other remote controllers.



(Error display 3) "ERC" and data error count are displayed → Data error generation

"Data error count" is the difference between the number of bits of remote controller send data and the number of bits actually sent to the transmission line. In this case, the send data was disturbed by the noise, etc. Check the transmission line.

When data error count is 02
Remote controller send data Send data on transmission line



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④ Remote controller check reset

When the Ⓑ [TEMP. ▲] button and Ⓓ [fan] button are pressed simultaneously for 5 seconds or longer, remote controller diagnosis is reset, the [HO] and run lamp flash for a certain period of time, and then the remote controller returns to its state before diagnosis.

MA Touch Remote Controller **PAR-CT01MAA-PB,SB**

***MAC-334IF-E required**

Photo

Descriptions

Advanced MA remote controller with the large size dot liquid crystal display. Multi-language display and weekly timer function are available.

Applicable Models

- MSZ-LN18,25,35,50,60VGW,V,B,R*
- MSZ-AP15,20VG*
- MSZ-AP25,35,42,50,60,71VG*
- MSZ-FH25,35,50VE2*
- MSZ-EF18,22,25,35,42,50VGW,B,S*
- MSZ-SF15,20VA*
- MSZ-SF25,35,42,50VE3*
- MSZ-GF60,71VE2*
- MSZ-BT20,25,35,50VG(K)
- MSZ-WN25,35VA*
- MSZ-DM25,35VA*
- MSZ-HR25,35,42,50,60,71VF
- MSY-TP35,50VF
- MFZ-KJ25,35,50VE2*
- MFZ-KT25,35,50,60VG
- MLZ-KP25,35,50VF*
- P-series models (Except PSA-RP·KA)
- SLZ-M·FA series
- SEZ-M·DA series

※ Remote controller terminal block kit for PKA
PAC-SH29TC-E

How to Use / How to Install

1. System Requirements

⚠ **WARNING**	The CD-ROM that is supplied with the unit can only be played on a CD-drive or a DVD-drive. Do not attempt to play this CD-ROM on an audio CD player as this may damage your ears and/or speakers.

Your computer must meet the following requirements to run Manual Navigation Software.

[PC] PC/AT compatible

[CPU] Core2 Duo 1.66 GHz or faster (Core2 Duo 1.86 GHz or faster recommended)
Pentium D 1.7 GHz or faster (Pentium D 3.0 GHz or faster recommended)
Pentium M 1.7 GHz or faster (Pentium M 2.0 GHz or faster recommended)
Pentium 4 2.4 GHz or faster (Pentium 4 2.8 GHz or faster recommended)
* Core2 Duo or faster processor is required to run Manual Navigation Software on Windows Vista or later.

[RAM] Windows Vista or later: 1 GB minimum (2 GB or more recommended)
Windows XP: 512 MB minimum (1 GB or more recommended)

[HDD space] 1 GB minimum (available space)
* Windows Vista or later: Available space in the drive that has the Document folder
* Windows XP: Available space in the drive that has the My Document folder

[Resolution] SVGA 800 × 600 or greater

[OS] Windows8/Pro/Enterprise (Pro recommended)
Windows7 Ultimate/Enterprise/Professional/Home Premium Service Pack1 (Professional recommended)
Windows Vista Ultimate/Business/Home Basic Service Pack1 (Business version recommended)
Windows XP Professional/Home Edition Service Pack2 or Service Pack3 (Professional version recommended)

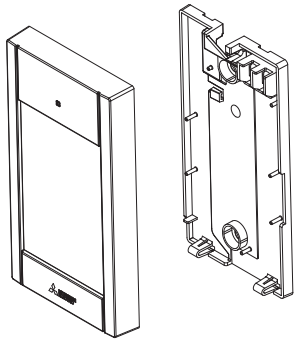
[Required software] Windows8: Adobe Reader 11.0.2 or later (Windows Reader, installed by default in Windows8, cannot be used.)
Windows7: Adobe Reader 10.1.0 or later
Windows XP and Windows Vista: Adobe Reader 8.1.3 or later
* Software to view PDF files

2. Component names and supplied parts

The following parts are included in the box.

Parts name	Qty.	Appearance
Remote controller (top case)	1	Right figure *1
Remote controller (bottom case)	1	Right figure *2
Roundhead cross slot screws M4×30	2	*3
Wood screw 4.1×16 (for direct wall installation)	2	*3
Simple Manual	1	
CD-ROM (this manual) Instruction Book and Installation Manual	1	

Top case *1 Bottom case *2



*3 ISO metric screw thread
*4 Remote controller cable is not included.

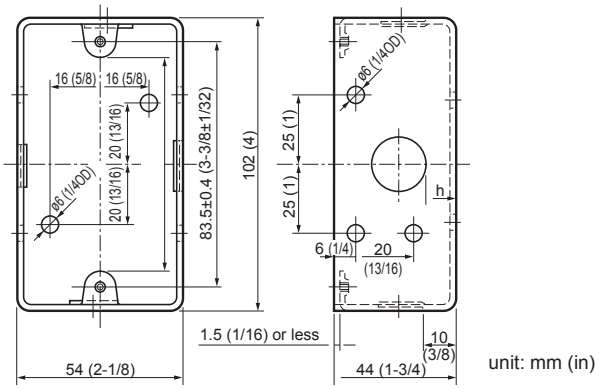
3. Field-supplied parts/Required tools

(1) Field-supplied parts

The following parts are field-supplied parts.

Parts name	Qty.	Notes
Single switch box	1	Not required for direct wall installation
Thin metal conduit	Necessary	
Lock nut and bushing	Necessary	
Cable cover	Necessary	Required for routing remote controller cable along a wall
Putty	Reasonable	
Molly anchor	Necessary	
Remote controller cable (Use a 0.3 mm² (AWG22) 2-core sheathed cable.)	Necessary	

Switch box



unit: mm (in)

(2) Field-supplied tools

- Flat-tip screwdriver (Width: 3 - 5 mm (1/8 - 7/32 inch))
- Nipper
- Miscellaneous tools

4. Selecting an installation site

This remote controller is for the wall installation. It can be installed either in the switch box or directly on the wall. When performing direct wall installation, wires can be thread through either back or top of the remote controller.

(1) Selecting an installation site

Install the remote controller (switch box) on the site where the following conditions are met.

(a) For connection to the indoor unit with an Auto descending panel, a place where people can check the Auto descending panel operation of the indoor unit while they are operating the remote controller (Refer to the indoor unit Instructions Book for how to operate Auto descending panel.)

(b) A flat surface

(c) A place where the remote controller can measure the accurate indoor temperature
Sensors to monitor indoor temperature are on the indoor unit and on the remote controller. When the room temperature is monitored with the sensor on the remote controller, the built-in sensor on the remote controller monitors the room temperature. When using the sensor on the remote controller, follow the instructions below.

- To monitor the accurate indoor temperature, install the remote controller away from direct sunlight, heat sources, and the supply air outlet of the air conditioner.
- Install the remote controller in a location that allows the sensor to measure the representative room temperature.
- Install the remote controller where no wires are routed around the temperature sensor on the controller. (If wires are routed, the sensor cannot measure accurate indoor temperature.)

Important

■ **Discrepancy between the indoor temperature measured at the wall and the actual indoor temperature may occur.**
If the following conditions are met, the use of the temperature sensor on the indoor unit is recommended.
- Supply air does not reach to the wall easily where the remote controller is installed due to improper airflow distribution.
- There is a great discrepancy between the wall temperature and the actual indoor temperature.
- The back side of the wall is directly exposed to the outside air.

Note: When temperature changes rapidly, the temperature may not be detected accurately.

Do not install the controller in a place where the difference between the remote controller surface temperature and the actual room temperature will be great.
If the temperature difference is too high, room temperature may not be adequately controlled.

To reduce the risk of malfunctions, do not install the controller in a place where water or oil may come into contact with the controller, or in a condensing or corrosive environments.

To avoid deformation and malfunction, do not install the remote controller in direct sunlight or where the ambient temperature may exceed 40ºC (104ºF) or drop below 0ºC (32ºF).

To reduce the risk of malfunctions and damage to the controller, avoid installing the remote controller on an electrically conductive surface, such as an unpainted metal sheet.

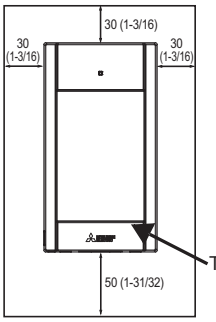
Refer to either of the following manuals for temperature sensor setting: indoor unit Installation Manual for CITY MULTI; this manual for Mr. SLIM.

(2) Installation space

Leave a space around the remote controller as shown in the figure shown below, regardless of whether the controller is installed in the switch box or directly on the wall. Removing the remote controller will not be easy with insufficient space.
Also, leave an operating space in front of the remote controller.

External dimensions of remote controller

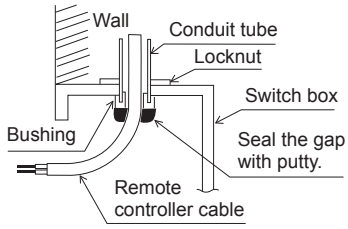
Minimum required space around the remote controller



Unit: mm (in)

(3) Installation work

Controller can be installed either in the switch box or directly on the wall. Perform the installation properly according to the installation method.

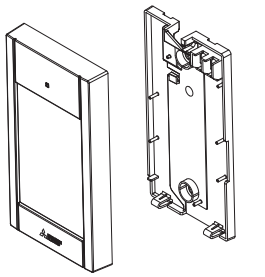


① **Drill a hole in the wall.**
- ■ Installation using a switch box
  - • Drill a hole in the wall, and install the switch box on the wall.
  - • Connect the switch box to the conduit tube.
- ■ Direct wall installation
  - • Drill a hole in the wall, and thread the cable through it.

② **Seal the cable access hole with putty.**
- ■ Installation using a switch box
  - • Seal the remote controller cable access hole at the connection of switch box and conduit tube with putty.

To reduce the risk of electric shock, malfunctions, or fire, seal the gap between the cables and cable access holes with putty.

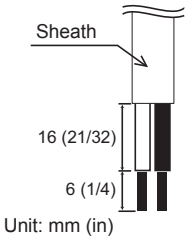
③ **Prepare the bottom case of the remote controller.**

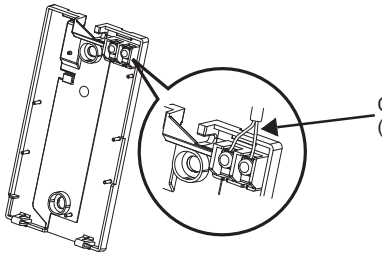


Top case Bottom case

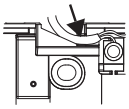
④ **Connect the remote controller cable to the terminal block on the bottom case.**

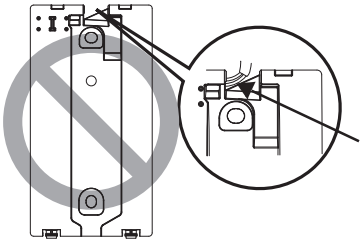
Peel off the remote controller cable sheath as shown below to connect to the terminal block properly. Secure the remote controller cable so that the peeled part of the cable will fit into the case.





Insert the sheathed part of the cable inside the case, and then secure the cable.

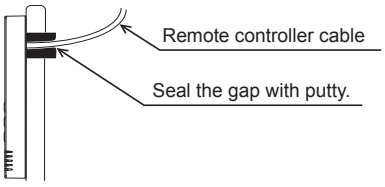




■ Direct wall installation

- Seal the hole through which the cable is threaded with putty.

To reduce the risk of electric shock, shorting, or malfunctions, keep wire pieces and sheath shavings out of the terminal block.



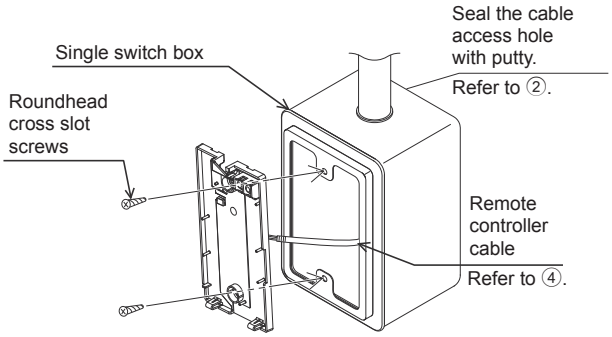
Important

Do not use solderless terminals to connect cables to the terminal block.
Solderless terminals may come in contact with the circuit board and cause malfunctions or damage the controller cover.

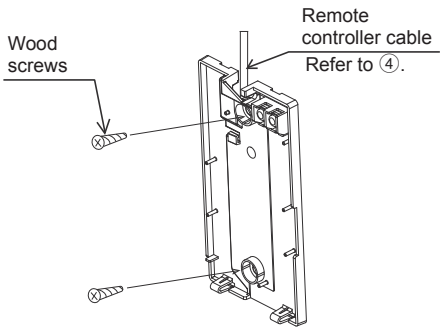
⑤ Install the bottom case.

Be sure to secure two places of the bottom case.

■ Installation using a switch box



■ Direct wall installation



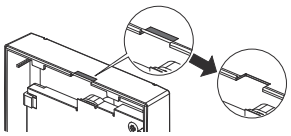
Important

To avoid deformation and damage to the bottom case, do not overtighten the screws.	To avoid damage to the bottom case, do not make holes on it.

⑥ Cut out the cable access hole.

■ Direct wall installation (when running the cable along the wall)

- Cut out the thin-wall part on the cover (the shaded area in the right figure) with a nipper.
- Thread the cable from the groove behind the bottom case through this access hole.

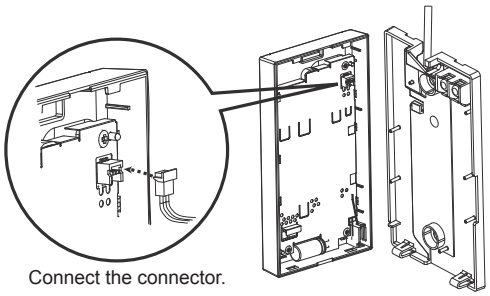


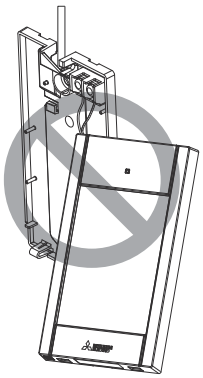
Notice

To prevent damage to the circuit board, remove the front cover from the top case before cutting out a cable access hole.	Note that accidentally touching the circuit board may damage the circuit board when cutting out a cable access hole.

⑦ Connect the connector to the top case.

Connect the connector on the bottom case to the socket on the top case.





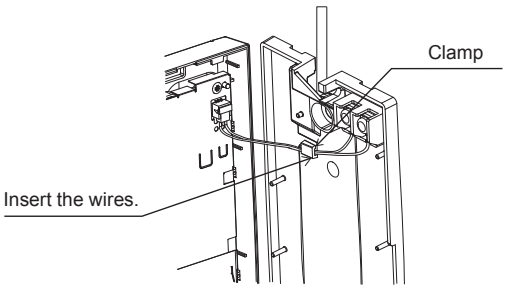
Important

To prevent malfunctions, do not remove the protective sheet or the circuit board from the top case.	To prevent cable breakage and malfunctions, do not hang the top controller casing hang by the cable as shown in the figure above.

⑧ Insert the wires into the clamp.

Important

Hold the wires in place with the clamp to prevent undue force from being applied to the terminal block and causing cable breakage.

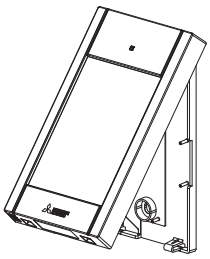


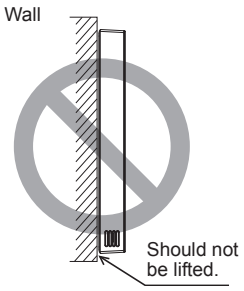
⑨ Install the top case on the bottom case.

Two mounting tabs are at the top of the top case.
Hook those two tabs onto the bottom case, and click the top case into place. Check that the case is securely installed and not lifted.

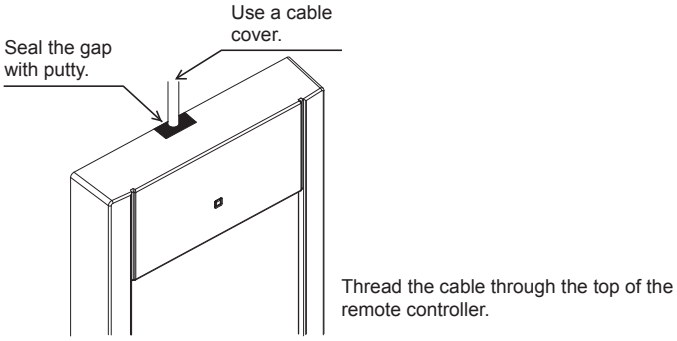
Important

When attaching the top casing to the bottom casing, push it until it they click into place. If they are not properly locked into place, they may fall, causing personal injury, controller damage, or malfunctions.





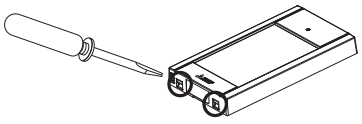
■ Direct wall installation (when running the cable along the wall)
- Thread the cable through the access hole at the top of the remote controller.
- Seal the cut-out part of the cover with putty.
- Use a cable cover.



- **Uninstalling the top case**

① Uninstalling the top case

Insert a flat-tip screwdriver with a blade width of 3-5 mm (1/8-7/32 inch) into the latches at the bottom of the remote controller and lift the latches. Then, pull up the top case.



■ **At the time of factory shipment, protective sheet is on the operat cover. Peel off the protective sheet on the operation interface prior to use.**

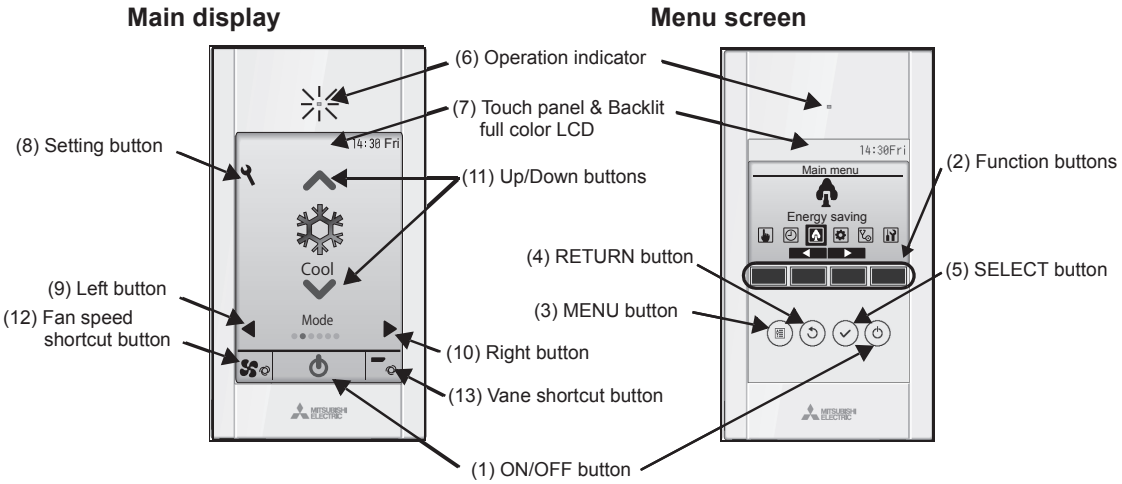
Important

To prevent damage to the controller casing, do not force the flat-tip screwdriver to turn with its tip inserted in the slot.

Do not insert the flat-tip screwdriver too far. Doing so will damage the circuit board.

To prevent damage to the controller casing, use a flat-head screwdriver with a blade width of 3-5 mm (1/8-7/32 inch).

5. Remote controller button functions



(1) ON/OFF button
Use to turn ON/OFF the indoor unit.

(2) Function buttons
Use to select the operation mode or to set the temperature and fan speed on the Main display. Use to select items on other screens.

(3) MENU button
Use to bring up the Main menu.

(4) RETURN button
Use to return to the previous screen.

(5) SELECT button
Use to jump to the setting screen or to save the settings.

(6) Operation indicator
Stays lit during normal operation. Blinks during startup and when an error occurs.

(7) Touch panel & Backlit full color LCD
Dot display. When the backlight is off, pressing any area turns the backlight on and it will stay lit for a certain period of time depending on the screen. Performing any button operation keeps the backlight on.

(8) Setting button
Use to bring up the Main menu.
When the menu operation is locked, an administrator password is required.

(9) Left button
Use to switch the setting items in the following order: louver, ventilation, vane, fan speed, operation mode, and preset temperature.

(10) Right button
Use to switch the setting items in the following order: preset temperature, operation mode, fan speed, vane, ventilation, and louver.

(11) Up/Down buttons
Use to change the contents of the setting selected in (9) and (10) above.

(12) Fan speed shortcut button
Use to directly access the fan speed settings screen.

(13) Vane shortcut button
Use to directly access the vane settings screen.

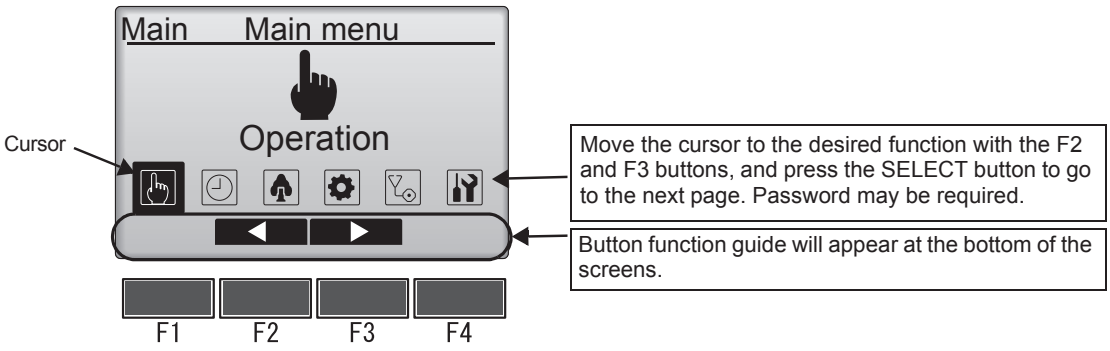
Pressing the Setting button will bring up the Main menu as shown below.

Operation menu *1
Timer menu *1
Energy saving menu *1
Initial setting menu *2*3
Maintenance menu *1
Service menu *2*3

*1 Refer to the Instructions Book in the CD-ROM for details.
*2 Explained in this manual.
*3 If no buttons are pressed for 10 minutes on the initial setting screens, or 2 hours on the service screens (10 minutes on some screens), the screen will automatically return to the Main display. Any settings that have not been saved will be lost.
The available items on the menu depend on the connected indoor unit model. For items not described in the manuals that are enclosed with the MA Touch Remote Controller, refer to the manuals that came with the air conditioning units.

Note: When the backlight is off, pressing any area turns the backlight on and does not perform its function.

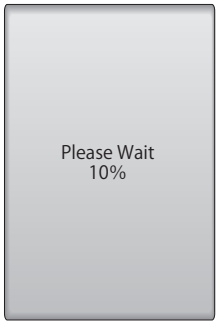
Button operations on the Main menu



6. Turning on the power

Make sure that the MA remote controller is properly installed according to the instructions in the Installation Manual and that the indoor and outdoor unit installation has been completed before turning on the power.

(1) When the power is turned on, the following screen will appear.



Normal start up (indicating the percentage of process completion)

Note: When the power is on for the first time, the Language selection screen will be displayed. Refer to section 10 (4) under “Display setting menu”. Select a desired language. The system will not start-up without language selection.

(2) Main display

After the successful startup, the Status display will appear. While the Status display is displayed, pressing any area switches the screen to the Main display. The Main display can be displayed in two different modes: “Full” and “Basic.” Refer to section 10 “Initial settings” for how to select the display mode. (The factory setting is “Full.”)

Main display in the Full mode (while the unit is not in operation)

Main display in the Full mode (while the unit is in operation)

Note: Refer to the Instruction Book for the icons on the display.

7. Test run

Note: Maintenance password is required.

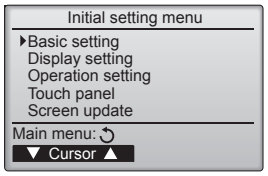
(1) Read the section about Test run in the indoor unit Installation Manual before performing a test run.
(2) At the Main display, press the Setting button and select Service>Test run>Test run.
(3) Press the ON/OFF button to cancel the test run if necessary.
(4) Refer to the indoor unit Installation Manual for the detailed information about test run and for how to handle the errors that occur during a test run.

Note: Refer to section 11 “Service menu” for information about the maintenance password.

8. Initial settings (Remote controller settings)

Note: Administrator password is required.

From the Main display, select Main menu>Initial setting, and make the remote controller settings on the screen that appears.



Basic setting menu
- Clock
- Daylight saving time
- Administrator password

Display setting menu
- Main display
- Remote controller display details setting
- Brightness
- Language selection
- Design

Operation setting menu
- Auto mode

Touch panel menu
(Refer to the Instruction Book.)

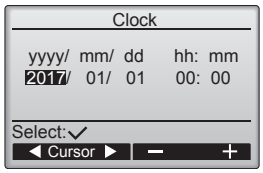
Note: The initial administrator password is “0000.” Refer to section (3) “Administrator password setting” for how to change the password.

Basic setting menu

(1) Clock setting

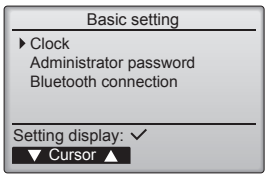
[Button operation]

① Move the cursor with the F1 or F2 button to the desired item.
② Change the date and time with the F3 or F4 button, and press the SELECT button to save the change. The change will be reflected on the clock display on the Status display and the Main display.



Note: Clock setting is necessary for time display, weekly timer, timer setting and error history. Make sure to perform clock setting when the unit is used for the first time or has not used for a long time.
Note: If a given system has no system controllers, the clock time will not automatically be corrected. In this case, periodically correct the clock time.

(2) Daylight saving time

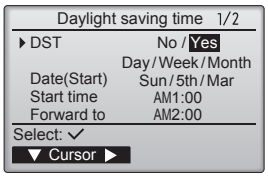


The start/end time for daylight saving time can be set. The daylight saving time function will be activated based on the setting contents.

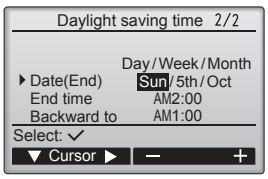
- If a given system has a system controller, disable this setting to keep the correct time.
- At the beginning and the end of daylight saving time, the timer may go into action twice or not at all.
- This function will not work unless the clock has been set.

[Button operation]

① The daylight saving time function can be activated/deactivated or the start/end times can be set by using the F1 through F4 buttons.



- DST
  Select “Yes” to activate the daylight saving time, or select “No” to deactivate.
- Date(Start)
  Set the start day of the week, week number, and month for daylight saving time.
- Start time
  Set the start time for daylight saving time.
- Forward to
  Set the time when the clock is to be set forward to at the start time above.

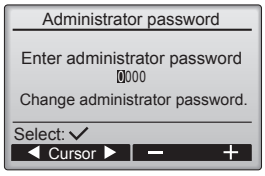


- Date(End) (2nd page)
  Set the end day of the week, week number, and month for daylight saving time.
- End time (2nd page)
  Set the end time for daylight saving time.
- Backward to (2nd page)
  Set the time when the clock is to be set backward to at the end time above.

② Press the SELECT button to save the setting.
  * If “5th” is selected for the week number and the 5th week does not exist in the selected month of the year, the setting is considered to be “4th.”

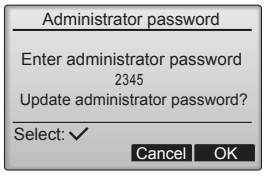
(3) Administrator password setting

[Button operation]



① A window to enter a new password will appear. Enter a new password, and press the SELECT button.

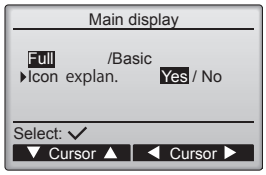
② Press the F4 button (OK) on the password change confirmation screen to save the change. Press the F3 button (Cancel) to cancel the change.



Note: The initial administrator password is “0000.” Change the default password as necessary to prevent unauthorized access. Have the password available for those who need it.
Note: If you forget your administrator password, you can initialize the password to the default password “0000” by pressing and holding the F1 button for ten seconds on the administrator password setting screen.
Note: The administrator password is required to make the settings for the following items.
· Timer setting · Weekly timer setting · Energy-save setting
· Outdoor unit silent mode setting · Restriction setting
· Night setback setting · Initial setting
Refer to the Instruction Book that came with the remote controller for the detailed information about how to make the settings for these items.

Display setting menu

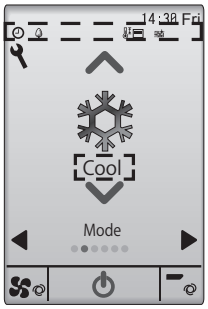
(1) Main display setting



[Button operation]

① Move the cursor to “Full/Basic,” and use the F3 or F4 button to select the display mode “Full” or “Basic.” (The factory setting is “Full.”)

② Move the cursor to “Icon explan.” and use the F3 or F4 button to select the display mode “Yes” or “No.” (The factory setting is “Yes.”)



Example: Full mode (Icon explanation enabled)

Example: Basic mode (Icon explanation enabled)

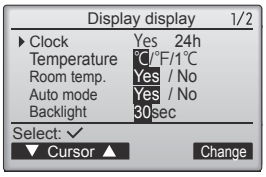
Example: Full mode (Icon explanation disabled)

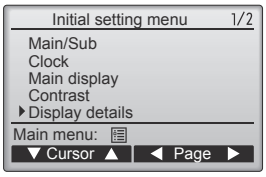
Example: Basic mode (Icon explanation disabled)

Note: This setting is only for the Main display. In the Basic mode, icons that indicate control status on timer and schedule settings will not appear on the display. When “No” is selected, the explanation of the setting contents on the Main display will not appear.

(2) Remote controller display details setting

Make the settings for the remote-controller-related items as necessary.
Press the SELECT button to save the changes.





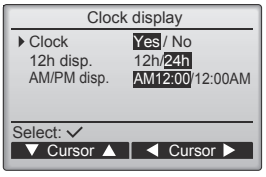
[1] Clock display

[Button operation]

① Select “Clock” from the display details setting screen, and press the F4 button (Change) to bring up the clock display setting screen.

② Use the F1 through F4 buttons to select “Yes” (display) or “No” (non-display) and its format for the Status display and the Main display.

③ Save the settings with the SELECT button. (The factory settings are “Yes” (display) and “24 h” format.)

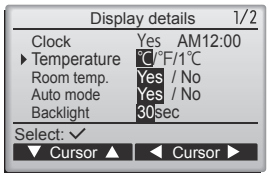


Clock display: Yes (Time is displayed on the Status display and the Main display.)
No (Time is not displayed on the Status display and the Main display.)
Display format: 24-hour format
12-hour format
AM/PM display (Effective when the display format is 12-hour): AM/PM before the time
AM/PM after the time

Note: Time display format will also be reflected on the timer and schedule setting display. The time is displayed as shown below.
12-hour format: AM12:00 - AM1:00 - PM12:00 - PM1:00 - PM11:59
24-hour format: 0:00 - 1:00 - 12:00 - 13:00 - 23:59

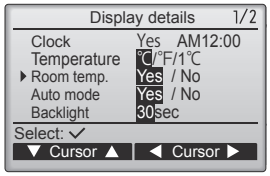
[2] Temperature unit setting

[Button operation]



Move the cursor to “Temperature” from the display details setting screen, and select the desired temperature unit with the F3 or F4 button. (The factory setting is Centigrade (ºC).)

- ºC: Temperature is displayed in Centigrade. Temperature is displayed in 0.5- or 1-degree increments, depending on the model of indoor units.
- ºF: Temperature is displayed in Fahrenheit.
- 1 ºC: Temperature is displayed in Centigrade in 1-degree increments.



[3] Room temperature display

[Button operation]

Move the cursor to “Room temp.” on the display details setting screen, and select the desired setting with the F3 or F4 button.

(The factory setting is “Yes”.)

- Yes: Room temperature appears on the Main display.
- No: Room temperature does not appear on the Main display.

Note: Even when “Yes” is set, the room temperature is not displayed on the Main display in the “Basic” mode.

[4] Auto (single set point) mode display setting

[Button operation]

Move the cursor to “Auto mode” from the display details setting screen, and select the desired mode with the F3 or F4 button. (The factory setting is “Yes.”)

- Yes: “Auto Cool” or “Auto Heat” is displayed during operation in the Auto (single set point) mode.
- No: Only “Auto” is displayed during operation in the Auto (single set point) mode.

[5] Backlight

The backlight lighting-up time can be set.

[Button operation]

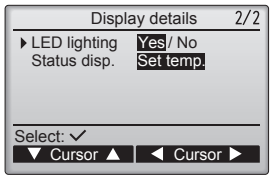
Move the cursor to “Backlight” from the display details setting screen, and select the desired time (5,10,20,30,60 seconds) with the F4 button. (The factory setting is “30” seconds.)

Note: This setting is effective on the Status display and the Main display.

[6] LED lighting

The LED lighting can be set to either “Yes” (On) or “No” (Off). (The factory setting is “Yes”.)

When “No” is selected, the LED will not light up even during the normal operation.



[7] Status display

Make the settings for the temperature to be displayed on the Status display.

[Button operation]

Move the cursor to “Status disp.” from the display details setting screen, and select the desired setting with the F4 button.

Each pressing the F4 button will toggle through the following options: Set temp., Room temp., and Hide.

(3) Brightness

[Button operation]

Select the desired brightness for the remote controller LCD with the F1 and F2 buttons.

The ON/OFF of the Stay lit mode can be switched with the F4 button. When “ON” is selected, the backlight will remain lit dimly even after the specified time has elapsed.

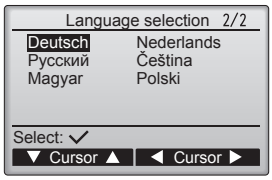
Note: Adjust the brightness to improve viewing in different lighting conditions or installation locations. This setting can not improve viewing from all directions.

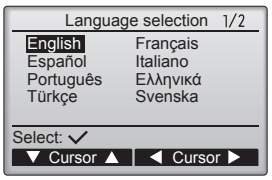
(4) Language selection

[Button operation]

Move the cursor to the language you desire with the F1 through F4 buttons.

Press the SELECT button to save the setting.





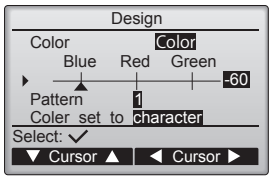
(5) Design setting

The screen design can be set.

[Button operation]

Select the color option with the F4 button.

- Color: The display color can be selected.
- White: Monochrome display (white basis)
- Black: Monochrome display (black basis)



When “White” or “Black” is selected, press the SELECT button. When “Color” is selected, select the following item with the F1 or F2 button, and set the desired display color for each item.

- Color shade: Set the color shade with the F3 or F4 button. (The settable range is -90 to 89.)
- Pattern: Set the color with the F4 button.
- Color set to: Select “Character” or “BG” (Background) as a target to which the color is applied with the F4 button.

* At factory shipment, these items are set as follows.

	Color option	Color shade	Pattern	Color set to
CT01MAA(R)-S, SB	Color	-70	1	Character
CT01MAA(R)-PB	Color	-90	2	Character

Operation setting menu

(1) Auto mode setting

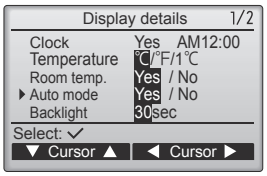
[Button operation]

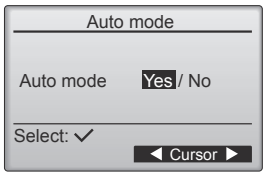
Whether or not to use the Auto (single set point) or Auto (dual set points) mode can be selected by using the F3 or F4 button. This setting is valid only when indoor units with the Auto mode function are connected.

(The factory setting is “Yes”.)

Press the SELECT button to save the changes made.

- Yes: The Auto mode can be selected in the operation mode setting.
- No: The Auto mode cannot be selected in the operation mode setting.





9. Service menu

Note: Maintenance password is required.

At the Main display, press the Setting button and select “Service” to make the maintenance settings.

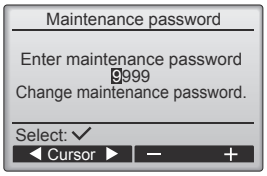
When the Service menu is selected, a window will appear asking for the password.

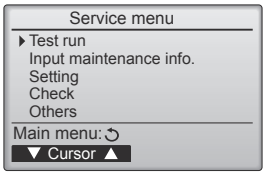
To enter the current maintenance password (4 numerical digits), move the cursor to the digit you want to change with the F1 or F2 button, and set each number (0 through 9) with the F3 or F4 button. Then, press the SELECT button.

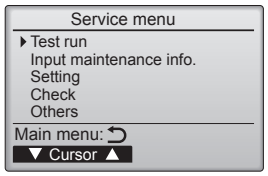
Note: The initial maintenance password is “9999.” Change the default password as necessary to prevent unauthorized access. Have the password available for those who need it.

Note: If you forget your maintenance password, you can initialize the password to the default password “9999” by pressing and holding the F1 button for ten seconds on the maintenance password setting screen.

Note: Air conditioning units may need to be stopped to make certain settings. There may be some settings that cannot be made when the system is centrally controlled.







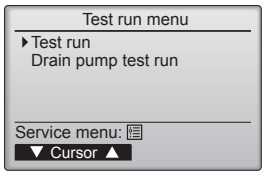
(1) Test run (CITY MULTI and Mr. SLIM)

Select “Test run” from the Service menu to bring up the Test run menu.

- Test run: Select this option to perform a test run.
- Drain pump test run: Select this option to perform a test run on the drain pump on the indoor unit.

Applicable only to the type of indoor units that support the test run function.

Note: Refer to the indoor unit Installation Manual for the detailed information about test run.



(2) Input maintenance information (CITY MULTI and Mr. SLIM)

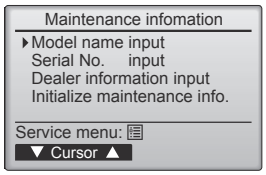
Select “Input maintenance info.” from the Service menu to bring up the Maintenance information screen. Refer to the indoor unit Installation Manual for how to make the settings.

Note: The following settings can be made from the Maintenance information screen.

·Registering model names and serial numbers
Enter the model names and serial numbers of outdoor and indoor units. The information entered will appear on the Error information screen. Model names can have up to 18 characters, and the serial numbers can have up to 8 characters.

·Registering dealer information
Enter phone number of a dealer. The entered information will appear on the Error information screen. Phone number can have up to 13 characters.

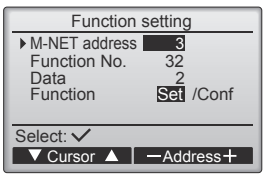
·Initializing maintenance information
Select the desired item to initialize the model name, serial number, and dealer information settings.



(3) Function setting (CITY MULTI)

Make the settings for the indoor unit functions via the remote controller as necessary.

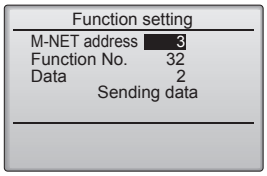
Select “Function setting” from the Settings menu to bring up the Function setting screen.



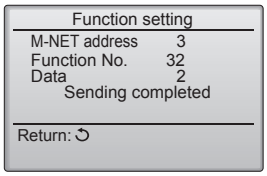
[Button operation]

① The Function setting screen will appear.
Press the F1 or F2 button to move the cursor to one of the following: M-NET address, function setting number, or setting value. Then, press the F3 or F4 button to change the settings to the desired settings.

② Once the settings have been completed, press the SELECT button.
A screen will appear that indicates that the settings information is being sent.
To check the current settings of a given unit, enter the setting for its M-NET address and function setting number, select Conf for the Function, and press the SELECT button.
A screen will appear that indicates that the settings are being searched for. When the search is done, the current settings will appear.



③ When the settings information has been sent, a screen will appear that indicates its completion.
To make additional settings, press the RETURN button to return to the screen shown in Step ② above. Set the function numbers for other indoor units by following the same steps.

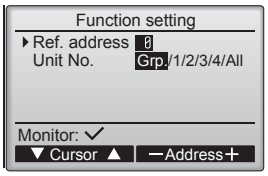


Note:
- **Refer to the indoor unit Installation Manual for information about the factory settings of indoor units, function setting numbers, and setting values.**
- Be sure to write down the settings for all functions if any of the initial settings has been changed after the completion of installation work.

(4) Function setting (Mr. SLIM)

Make the settings for the indoor unit functions via the remote controller as necessary.

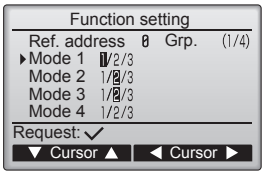
Select “Function setting” from the Settings menu to bring up the Function setting screen.



[Button operation]

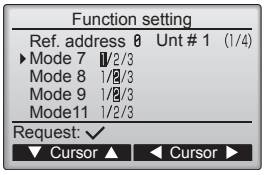
① Set the indoor unit refrigerant addresses and unit numbers with the F1 through F4 buttons, and then press the SELECT button to confirm the current setting.

② When data collection from the indoor units is completed, the current settings appears highlighted. Non-highlighted items indicate that no function settings are made. Screen appearance varies depending on the “Unit No.” setting.



Common items

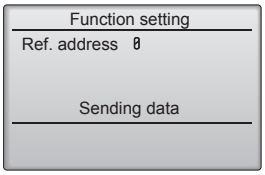
③ Use the F1 or F2 button to move the cursor to select the mode number, and change the setting number with the F3 or F4 button.



Individual items
(Unit No. 1 through 4)

④ When the settings are completed, press the SELECT button to send the setting data from the remote controller to the indoor units.

⑤ When the transmission is successfully completed, the screen will return to the Function setting screen.



Note:
- Make the function settings shown in Table 1 on Mr. SLIM units as necessary.
- Refer to the Instructions Book when it is necessary to set the settings for CITY MULTI units.
- **Table 1 summarizes the setting options for each mode number. Refer to the indoor unit Installation Manual for the detailed information about initial settings, mode numbers, and setting numbers for the indoor units.**
- Be sure to write down the settings for all functions if any of the initial settings has been changed after the completion of installation work.

Table1. Function setting options

Mode No.	Mode	Settings	Setting No.	Unit numbers
01	Automatic recovery after power failure	Disable	1	Set “Grp.” for the Unit number. These settings apply to all the connected indoor units.
		Enable (Four minutes of standby time is required after the restoration of power.)	2	
02	Thermistor selection (indoor temperature detection)	Average temperature reading of the indoor units in operation	1	
		Thermistor on the indoor unit to which the remote controller is connected (fixed)	2	
		Built-in sensor on the remote controller	3	
03	LOSSNAY connection	Not connected	1	
		Connected (without outdoor air intake by the indoor units)	2	
		Connected (with outdoor air intake by the indoor units)	3	
04	Power voltage	240 V	1	
		220 V, 230 V	2	
05	Auto mode	Enable (Automatically the unit achieves effective energy saving operation.)	1	
		Disable	2	
07	Filter sign	100 hours	1	Set “1, 2, 3, 4, or All” for the Unit number. These settings apply to each indoor unit. ・If “1, 2, 3, or 4” is set for the Unit number, the settings apply only to the specified indoor unit regardless of the number of connected indoor units (one through four units). ・If “All” is set for the Unit number, the settings apply to all the connected indoor units regardless of the number of connected indoor units (one through four units).
		2500 hours	2	
		Not displayed	3	
08	Fan speed	Silent mode (or standard)	1	
		Standard (or High ceiling 1)	2	
		High ceiling (or High ceiling 2)	3	
09	Outlet	4 directional	1	
		3 directional	2	
		2 directional	3	
10	Optional parts (High-efficiency filter)	No	1	
		Yes	2	
11	Vane	No vanes (or the vane setting No.3 is effective.)	1	
		Equipped with vanes (The vane setting No.1 is effective.)	2	
		Equipped with vanes (The vane setting No.2 is effective.)	3	

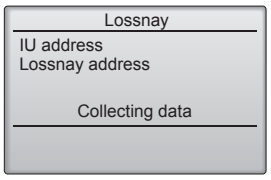
(5) LOSSNAY setting (CITY MULTI only)

This setting is required only when the operation of CITY MULTI units is interlocked with LOSSNAY units. This setting is not available for the Mr. SLIM units. Interlock settings can be made for the indoor unit to which the remote controller is connected. (They can also be confirmed or deleted.)

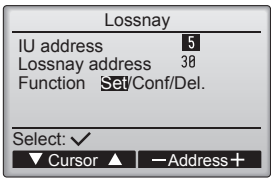
Note:
· Use the centralized controller to make the settings if it is connected.
· To interlock the operation of the indoor units with the LOSSNAY units, be sure to interlock the addresses of ALL indoor units in the group and that of the LOSSNAY unit.

[Button operation]

① When “Lossnay” on the Settings menu is selected, the remote controller will automatically begin searching for the registered LOSSNAY addresses of the currently connected indoor unit.

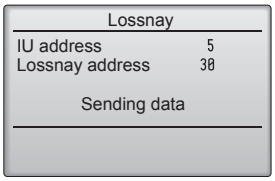


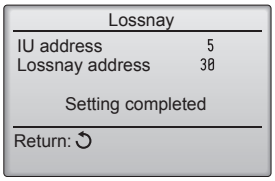
② When the search is completed, the smallest address of the indoor units that are connected to the remote controller and the address of the interlocked LOSSNAY unit will appear. "--" will appear if no LOSSNAY unit is interlocked with the indoor units.
If no settings need to be made, press the RETURN button to go back to the Settings menu.



To make LOSSNAY interlock setting

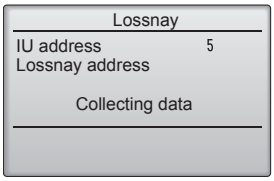
③ Enter the addresses of the indoor unit and the LOSSNAY unit to be interlocked, with the F1 through F4 buttons, select "Set" in the "Function", and press the SELECT button to save the settings. "Sending data" will appear on the screen. If the setting is successfully completed, "Setting completed" will appear.

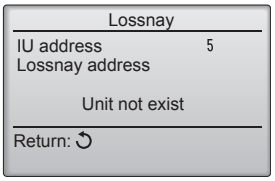




To search for the LOSSNAY address

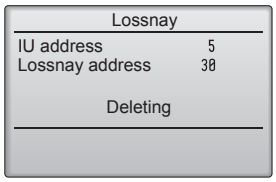
④ Enter the address of the indoor unit to which the remote controller is connected, select "Conf" in the "Function", and press the SELECT button. "Collecting data" will appear on the screen. If the signal is received correctly, the indoor unit address and LOSSNAY address will appear. "--" will appear when no LOSSNAY unit is found. "Unit not exist" will appear if no indoor units that are correspond to the entered address are found.

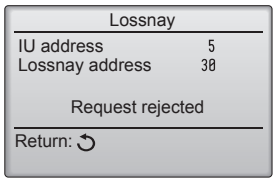




To delete the interlock setting

⑤ To delete the interlocked setting between LOSSNAY unit and the indoor units to which the remote controller is connected, enter the indoor unit address and LOSSNAY address with the F1 through F4 buttons, select "Del." in the "Function", and press the SELECT button. "Deleting" will appear. The screen will return to the search result screen if the deletion is successfully completed. "Unit not exist" will appear if no indoor units that are correspond to the entered address are found. If deletion fails, "Request rejected" will appear on the screen.





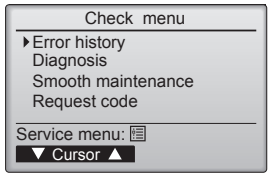
(6) Check

Select “Check” on the Service menu to bring up the Check menu screen.

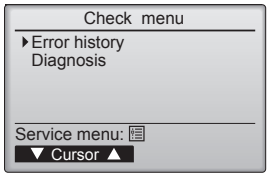
The type of menu that appears depends on the type of indoor units that are connected (CITY MULTI or Mr. SLIM).

(When CITY MULTI is connected, only “Error history” will appear in the menu.)

<Mr. SLIM>



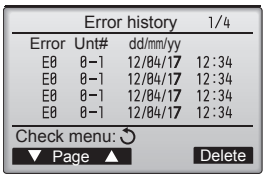
<CITY MULTI>



[Button operation]

① Error history

Select “Error history” from the Check menu, and press the SELECT button to view up to 16 error history records. Four records are shown per page, and the top record on the first page indicates the latest error record.

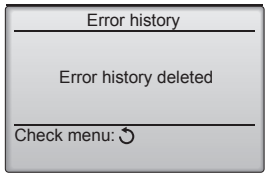


[Deleting the error history]

To delete the error history, press the F4 button (Delete) on the screen that shows error history. A confirmation screen will appear asking if you want to delete the error history.

Press the F4 button (OK) to delete the error history.

“Error history deleted” will appear on the screen. Press the RETURN button to go back to the Check menu screen.



② Other options in the Check menu (Mr. SLIM only)

The following options are also available on the Mr. SLIM units in the Check menu.

- Smooth maintenance
- Request code

These options are available only on the Mr. SLIM units. Refer to the indoor unit Installation Manual for details.

(7) Diagnostic function

Error history of each unit can be checked via the remote controller.

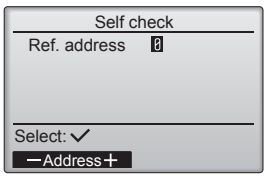
[Button operation]

① Select “Self check” from the Diagnosis menu, and press the SELECT button to view the Self check screen.

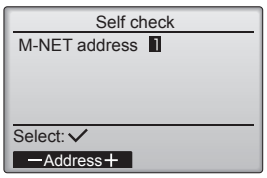
② With the F1 or F2 button, enter the refrigerant address (Mr. SLIM) or the M-NET address (CITY MULTI), and press the SELECT button.

③ Error code, unit number, attribute, and indoor unit demand signal ON/OFF status at the contact (CITY MULTI only) will appear. “-” will appear if no error history is available.

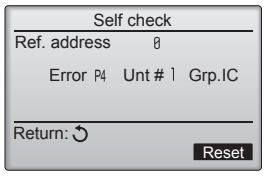
<Mr. SLIM>



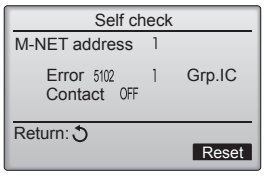
<CITY MULTI>

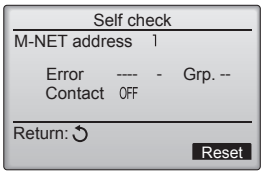


<Mr. SLIM>



<CITY MULTI>

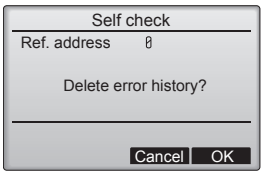




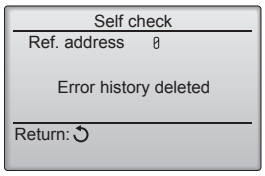
When there is no error history

[Resetting the error history]

① Press the F4 button (Reset) on the screen that shows the error history. A confirmation screen will appear asking if you want to delete the error history.



② Press the F4 button (OK) to delete the error history. If deletion fails, “Request rejected” will appear, and “Unit not exist” will appear if no indoor units that are correspond to the entered address are found.



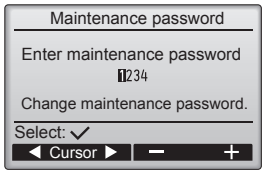
(8) Changing the maintenance password

[Button operation]

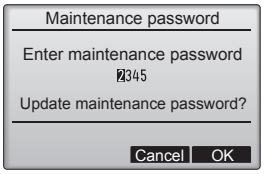
① Select “Maintenance password” on the Others menu, and press the SELECT button to bring up the screen to enter a new password.

② Move the cursor to the digit you want to change with the F1 or F2 button, and set each digit to the desired number (0 through 9) with the F3 or F4 button.

③ Press the SELECT button to save the new password.

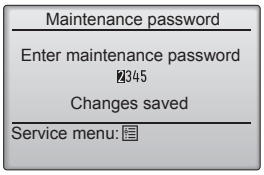


④ A confirmation screen will appear asking if you want to change the maintenance password. Press the F4 button (OK) to save the change. Press the F3 button (Cancel) to cancel the change.



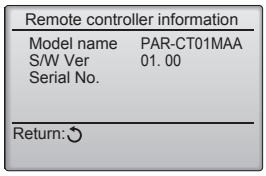
⑤ “Changes saved” will appear when the password is updated.

⑥ Press the MENU button to return to the Service menu or press the RETURN button to go back to the “Maintenance password” screen.



(9) Remote controller information

The following information of the remote controller in use can be checked.
- Model name
- Software version
- Serial number



[Button operation]

① Select “Others” from the Service menu.

② Select “Remote controller information”.

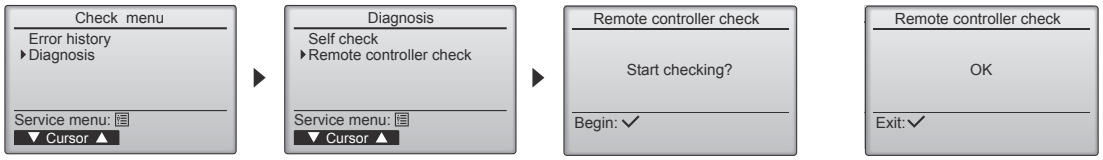
10. Remote controller check

When the remote controller does not work properly, use the remote controller checking function to troubleshoot the problem.

(1) Check the remote controller display and see if anything is displayed (including lines). Nothing will appear on the remote controller display if the correct voltage (8.5-12 VDC) is not supplied to the remote controller. If this is the case, check the remote controller wiring and indoor units.

[Button operation]

① Select “Remote controller check” from the Diagnosis menu, and press the SELECT button to start the remote controller check and see the check results. To cancel the remote controller check and exit the Remote controller check menu screen, press the MENU or the RETURN button. The remote controller will not reboot itself.



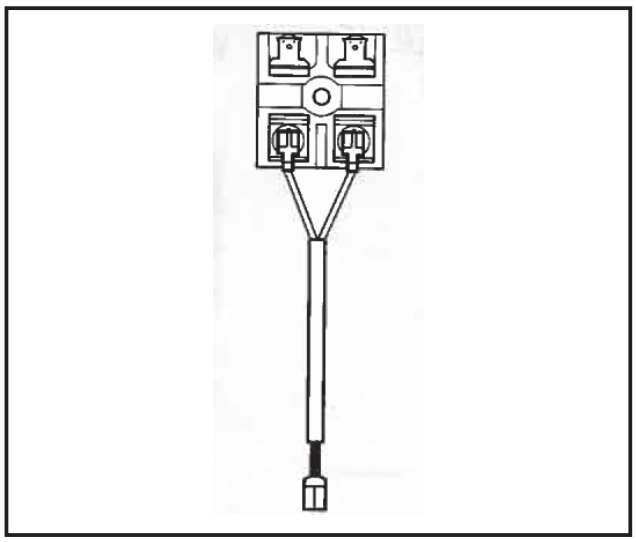
Select “Remote controller check”.

Remote controller check results screen

OK: No problems are found with the remote controller. Check other parts for problems.
E3, 6832: There is noise on the transmission line, or the indoor unit or another remote controller is faulty. Check the transmission line and the other remote controllers.
NG (ALL0, ALL1): Send-receive circuit fault. Remote controller needs replacing.
ERC: The number of data errors is the discrepancy between the number of bits in the data transmitted from the remote controller and that of the data that was actually transmitted over the transmission line. If data errors are found, check the transmission line for external noise interference.

② If the SELECT button is pressed after the remote controller check results are displayed, remote controller check will end, and the remote controller will automatically reboot itself.

Figure



Descriptions

The terminal block is used as a relay to wire an indoor unit and to 2 remote controllers or to wire a remote controller and multiple indoor units in order to perform grouping control.

Applicable Models

- PKA-M·HA series
- PKA-M·HAL series
- PKA-M·KA series
- PKA-M·KAL series

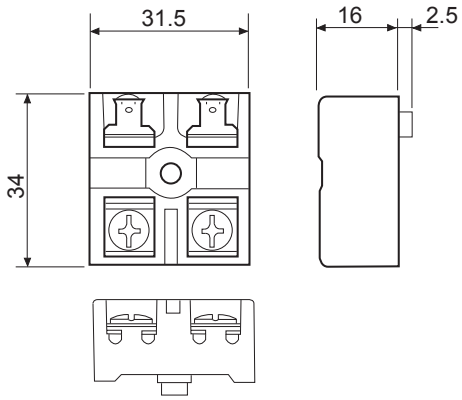
Specifications

Terminal block capacity	10A/250V
Applicable wire	Φ1.6mm or less
Terminal block material	Phenol resin

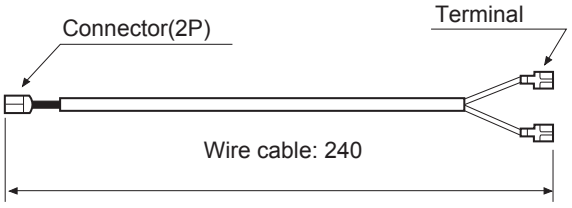
Dimensions

Unit : mm

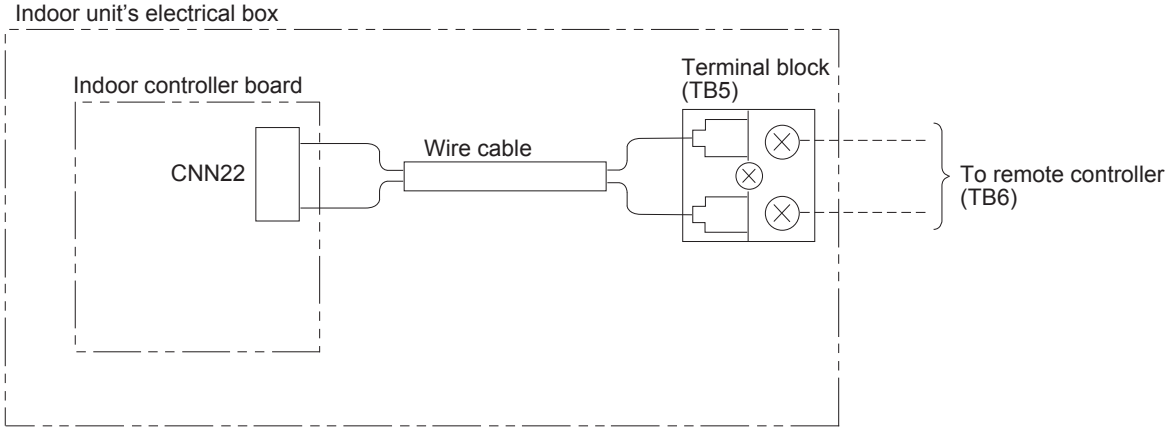
Terminal block



Wire cable



Wiring Diagram



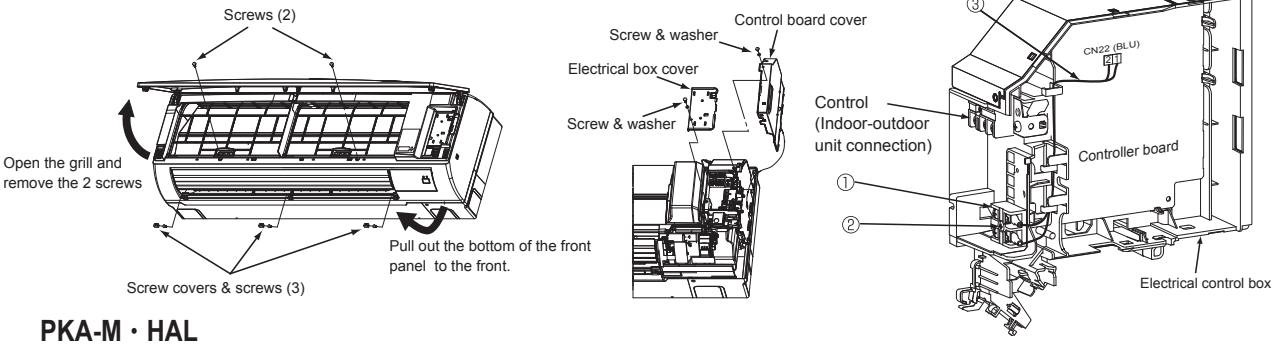
1 Included parts

① Terminal block (TB5) ·····1 ② Screw ·····1 ③ Wire cable ·····1 (240 mm)

2 Installation procedure

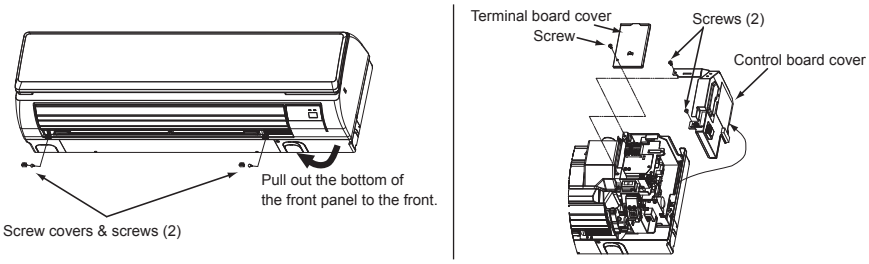
PKA-M・KAL

1). Open the front grille and remove the 2 screws.
2). Remove the 3 screw covers and the 3 front panel screws.
3). Pull out the bottom of the front panel to the front.
Note: Beware that the panel does not contact with the vane while in the procedure.
4). Remove the terminal block cover and the control board cover by removing their respective screws.
Note: Be sure to keep the washers at hand.
5). Secure terminal block ① with screw ② to the electrical control box.
6). Connect wire cable ③ to terminal block ① and to connector CN22 on the indoor controller board.
7). Wire the wires of the cable that wire an indoor unit and 2 remote controllers or the cable that wire a remote controller and multiple indoor units for grouping control to the screw terminals at the bottom of terminal block ①.
Note: For more details about the methods for wiring the indoor unit and the remote controller(s), refer to the installation manual attached with the appropriate indoor unit.
8). After the installation of the terminal block is complete, reinstall the removed parts in the reverse order.

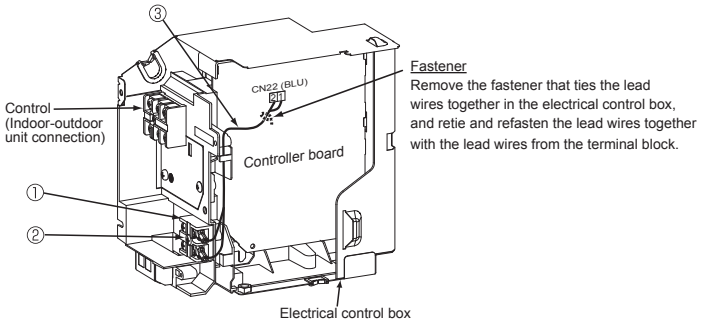


PKA-M・HAL

1). Remove the 2 screw covers and the 2 front panel screws.
2). Pull out the bottom of the front panel to the front.
Note: Beware that the panel does not contact with the vane while in the procedure.
3). Remove the terminal block cover and the control board cover by removing their respective screws.



4). Secure terminal block ① with screw ② to the electrical control box.
5). Connect wire cable ③ to terminal block ① and to connector CN22 on the indoor controller board.
6). Wire the wires of the cable that wire an indoor unit and 2 remote controllers or the cable that wire a remote controller and multiple indoor units for grouping control to the screw terminals at the bottom of terminal block ①.
Note: For more details about the methods for wiring the indoor unit and the remote controller(s), refer to the installation manual attached with the appropriate indoor unit.
7). After the installation of the terminal block is complete, reinstall the removed parts in the reverse order.



Signal sender

PAR-SL97A-E

Photo

Descriptions

Wireless remote controller for P series and SEZ models.
(The receiver is necessary.)

Applicable Models

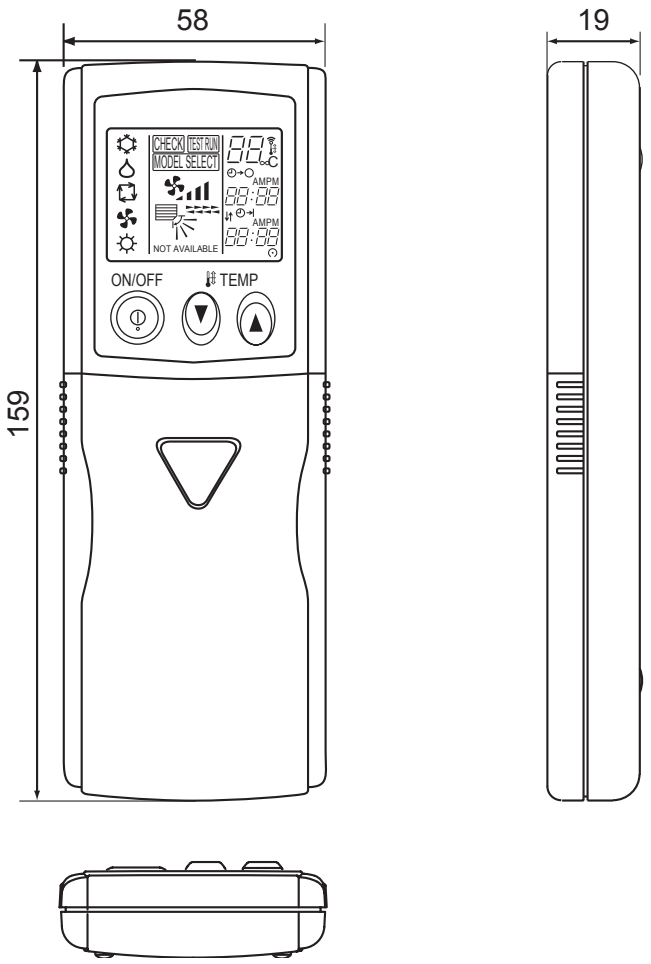
- PLA-M·EA series
- PLA-ZM·EA series
- PLA-SM·EA series
- SLZ-M·FA series
- SEZ-M·DA series
- SEZ-M·DAL series
- PEAD-M·JA series
- PEAD-M·JAL series
- PKA-M·HA series
- PKA-M·HAL series
- PKA-M·KA series
- PKA-M·KAL series
- PCA-M·KA series
- PCA-M71HA

Specifications

Accessory	"AAA" LR03 alkaline batteries: 2 pcs
	4.1×16 wood screw: 2

Dimensions

Unit : mm



Photo

Descriptions

Wireless remote controller for PLA and SLZ models. (The receiver is necessary)

Applicable Models

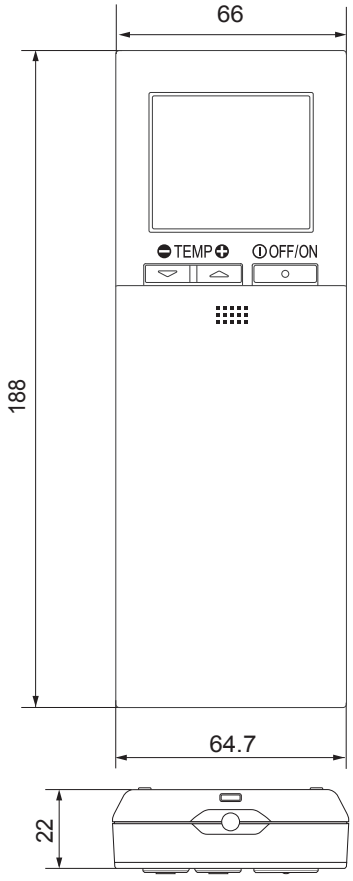
- PLA-ZM·EA series
- PLA-M·EA series
- PLA-SM·EA series
- SLZ-M·FA series

Specifications

Parts Name	Quantity
Wireless remote controller	1
Remote controller holder	1
AA(LR6) alkaline battery	2
Tapping screws 3.5 × 16	2
Instruction book	1
Notice for initial setting	1

Dimensions

Unit : mm



How to Use / How to Install

1 Confirming the Supplied Parts

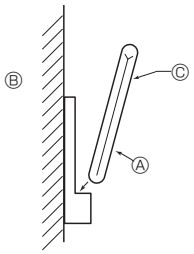
Check that the box includes the following parts in addition to this installation manual:

Parts Name	Quantity
Wireless remote controller	1
Remote controller holder	1
LR6 AA alkaline battery	2
Tapping screws 3.5 × 16	2

Only use LR6 AA batteries. Replace low batteries with new LR6 AA batteries. Observe the polarity of the batteries as indicated, and insert the negative end first.

2 Installation

- Use the remote controller holder that is provided to avoid misplacing the remote controller.
- Install the remote controller in a location that meets the following conditions.
  - Out of the direct sun light
  - Away from any heat sources
  - Out of the airflow from the air conditioner (cool or warm)
  - Where the operation of the remote controller can easily be performed and the display is readily visible to the user
  - Out of the reach of small children



Ⓐ Remote controller
Ⓑ Wall
Ⓒ Display panel

NOTES:

* If there is a fluorescent light in the room in which the air conditioner is to be installed, turn it on and make sure that the signal from the remote controller can be received by the indoor unit from the intended installation location. When the signal receiving unit receives a signal from the remote controller, a short beeping sound will be heard.

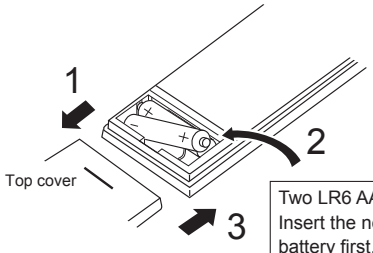
If the air conditioner unit is installed in a room in which a fluorescent light on an electronic lighting control system (i.e., inverter light) is installed, signal interference may occur.

* Maximum signal receiving distance is approximately 7 meters (Approx. 22 feet). Signal receiving angle is approximately 45 degrees to the right and the left from the center.

* Install the unit at least 1 meter (Approx. 3 feet) away from the TV or radio.
(If the unit is installed too close to these appliances, signal interference (picture distortion and noise) may occur.)

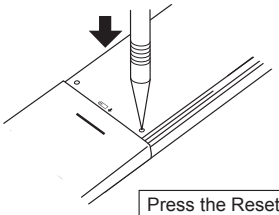
- Use the tapping screws that are provided to mount the remote controller holder on the wall, and then place the remote controller in the holder.

1. Remove the top cover, insert two LR6 AA batteries, and then install the top cover.



Two LR6 AA batteries
Insert the negative (–) end of each battery first. Install the batteries in the correct directions (+, –)!

2. Press the Reset button.

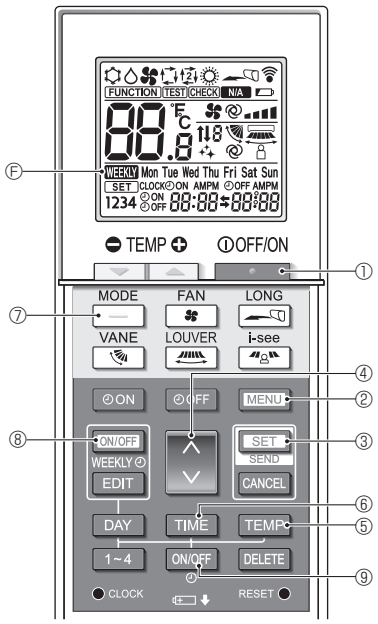


Press the Reset button with an object that has a narrow end.

3 Initial Setting

The following settings can be made in the initial setting mode.

Item	Setting	Fig. 3-2
Temperature unit	°C/°F	Ⓐ
Time display	12-hour format/ 24-hour format	Ⓑ
AUTO mode	Single set point/ Dual set point	Ⓒ
Pair No.	0–3	Ⓓ
Backlight	On/Off	Ⓔ



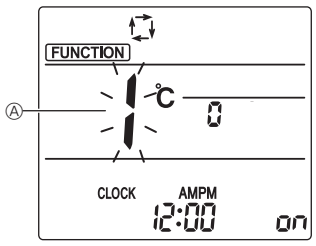


Fig. 3-1

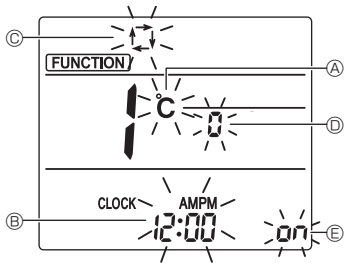


Fig. 3-2

3.1. Switching to the initial setting mode

1. Press the [ ] button ① to stop the air conditioner.
   - If the weekly timer is enabled, press the [ON/OFF WEEKLY] button ⑧ to disable the timer. (WEEKLY Ⓕ disappears.)
2. Press the [MENU] button ②.
   - The Function setting screen will be displayed and the function No. Ⓐ will blink. (Fig. 3-1)
   - Press the [▲▼] button ④ to change the function No.
3. Check that function No. "1" is displayed, and then press the [SET] button ③.
   - The Screen display setting screen will be displayed. (Fig. 3-2)

3.2. Changing the temperature unit Ⓐ [Factory setting:°C] (Fig. 3-2)

Press the [TEMP] button ⑤.

- Each time the [TEMP] button ⑤ is pressed, the setting switches between °C and °F.
  °C : The temperature is displayed in degrees Celsius.
  °F : The temperature is displayed in degrees Fahrenheit.

3.3. Changing the time display Ⓑ [Factory setting: 12-hour format]

Press the [TIME] button ⑥.

- Each time the [TIME] button ⑥ is pressed, the setting switches between AMPM 12:00 and 24:00.
  AMPM 12:00 : The time is displayed in the 12-hour format.
  24:00 : The time is displayed in the 24-hour format.

3.4. Changing the AUTO mode Ⓒ [Factory setting: Single set point]

Press the [—] button ⑦.

- Each time the [—] button ⑦ is pressed, the setting switches between ▢ and ▢.
  ▢ : The AUTO mode operates as the usual automatic mode (Single set point).
  ▢ : The AUTO mode operates using dual set points.

3.5. Changing the pair No. Ⓓ [Factory setting: 0]

Press the [▲▼] button ④.

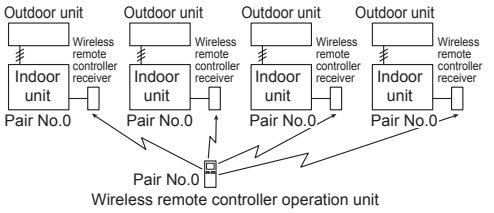
- Set the pair number Ⓓ to "0"–"3".

Pair No. of wireless remote controller	Indoor unit setting		
	Slim air conditioner	Multi air conditioner	
	Indoor PC board jumper wire (J41 and J42 settings)	Indoor PC board SW22 settings	
		SW22-3	SW22-4
0	Do not cut (initial setting)	ON	ON
1	Cut only J41	OFF	ON
2	Cut only J42	ON	OFF
3	Cut both J41 and J42	OFF	OFF

Setting example (when using slim air conditioners)

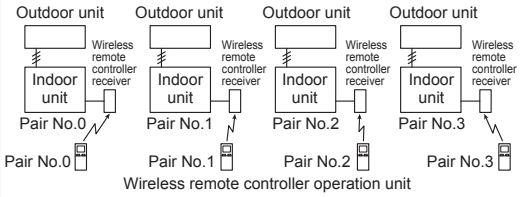
Independent system

(1) Same settings
- All of the units can be operated by the same wireless remote controller.



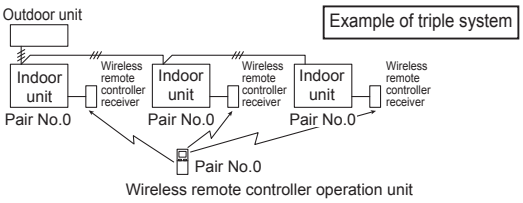
- All of the indoor PC boards and the wireless remote controller are set to the same pair number.
- Install each unit within the receiving range of the wireless remote controller or have the operator move the wireless remote controller to operate each unit.

(2) Separate settings
- Each unit can be operated only by its own wireless remote controller.



- The indoor PC boards and wireless remote controllers are set to different pair numbers for each unit.

Simultaneous twin/triple/ quadruple system



- The system operates regardless of which indoor unit receives the signals.

3.6. Changing the backlight setting Ⓔ [Factory setting: ON]

Press the [ON/OFF] button ⑨.

- Each time the [ON/OFF] button ⑨ is pressed, the setting switches between on and oFF.
  on : The backlight comes on when a button is pressed.
  oFF : The backlight does not come on when a button is pressed.

3.7. Completing the settings

Press the [SET] button ③.

- The function No. Ⓐ blinks. (Fig. 3-1)

Press the [MENU] button ②.

- The remote controller exits the initial setting mode. (The air conditioner operation is stopped.)

4 Function settings

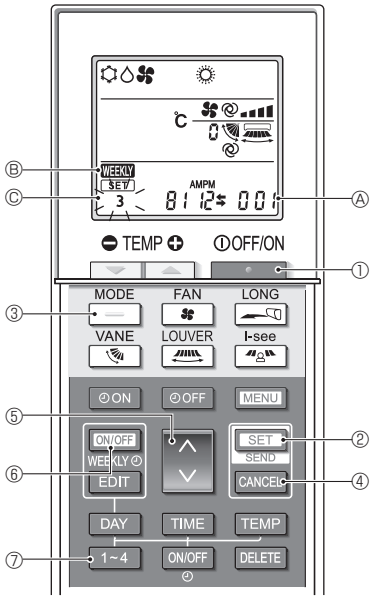


Fig. 4-1

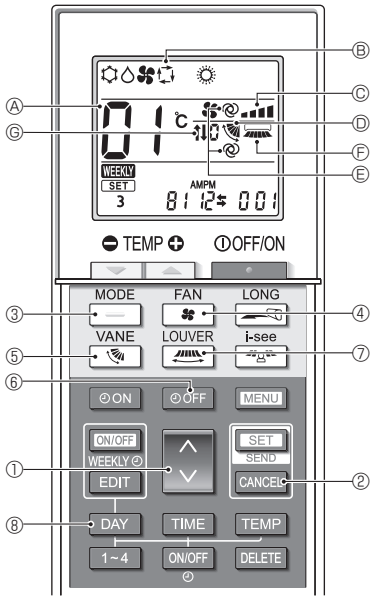


Fig. 4-2

To confirm the functions and settings for the indoor unit you want to set, refer to the operation manual and technical materials for the unit.

4.1. Switching to the function setting mode (Fig. 4-1)

1. Press the [ ] button ① to stop the air conditioner.
   - If the weekly timer is enabled, press the [ON/OFF WEEKLY] button ⑥ to disable the timer. (WEEKLY Ⓑ disappears.)
2. Press the [SET] button ② for 5 seconds.
   - The remote controller enters the function setting mode. (The group model setting number Ⓐ blinks.)

4.2. Entering the group model setting number

Press the [^] button ⑤.

- Enter the group model setting number for the indoor unit you want to operate. (The factory setting is "001".) To confirm the group model setting number, refer to the indoor unit operation manual.

4.3. Separate settings

You can also set the functions as necessary for the indoor unit that you want to operate.

1) Operation mode setting (Fig. 4-2) (The factory setting is "Cool/Dry/Auto/Fan/Heat" [Setting number 01].)

1. Press the [—] button ③.
   - The operation mode Ⓑ blinks.
2. Press the [^] button ① to select the setting number Ⓐ.

Operation mode display Ⓑ	Setting No. Ⓐ	Operation mode display Ⓑ	Setting No. Ⓐ
	01		05
	02		06
	03		07
	04		

* If the setting is incorrect, press the [CANCEL] button ② and repeat the procedure from step 1.

2) Fan speed setting (Fig. 4-2) (The factory setting is "4 speeds" [Setting number 01].)

1. Press the [ ] button ④.
   - The fan speed Ⓒ blinks.
2. Press the [^] button ① to select the setting number Ⓐ.

Fan speed display Ⓒ	Setting No. Ⓐ
(4 speeds)	01
(3 speeds)	02
(2 speeds)	03
(1 speed, none)	04

* If the setting is incorrect, press the [CANCEL] button ② and repeat the procedure from step 1.

3) Airflow direction setting (Fig. 4-2) (The factory setting is "With vane, swing" [Setting number 01].)

1. Press the [ ] button ⑤.
   - The airflow direction Ⓓ blinks.
2. Press the [^] button ① to select the setting number Ⓐ.

Airflow direction Ⓓ		Setting No. Ⓐ
With auto vane	Without auto vane	
(With vane, swing)	(With vane, swing)	01
(With vane, no swing)	(With vane, no swing)	02
No display (no vane)	No display (no vane)	03

* If the setting is incorrect, press the [CANCEL] button ② and repeat the procedure from step 1.

4) Auto fan speed and airflow direction display setting (Fig. 4-2) (The factory setting is "With auto fan speed and airflow direction" [Setting number 02].)

1. Press the [OFF] button ⑥.
   - The auto fan speed and airflow direction displays Ⓔ blink. (2 locations)
2. Press the [^] button ① to select the setting number Ⓐ.

Auto fan speed and airflow direction displays Ⓔ	Setting No. Ⓐ
No display (Without)	01
(With)	02

* If the setting is incorrect, press the [CANCEL] button ② and repeat the procedure from step 1.

5) Louver display setting (Fig. 4-2) (The factory setting is "Without louver" [Setting number 01].)

1. Press the [ ] button ⑦.
   - The louver display Ⓕ blinks.
2. Press the [^] button ① to select the setting number Ⓐ.

Louver display Ⓕ	Setting No. Ⓐ
(Without)	01
(With)	02

* If the setting is incorrect, press the [CANCEL] button ② and repeat the procedure from step 1.

4.4. Automatic filter elevation panel operation setting

1. Perform the procedure in 4.1., and then press the [1~4] button ⑦ for 5 seconds or more. (Fig. 4-1)
   - The pattern number Ⓒ blinks.
2. Press the [DAY] button ⑧. (Fig. 4-2)
   - The setting number Ⓐ comes on.
3. Press the [^] button ① to select the setting number Ⓐ. (Fig. 4-2)

Automatic elevation panel operation Ⓖ	Setting No. Ⓐ
No display (Without)	01
⇅ (With)	02

* If the setting is incorrect, press the [CANCEL] button ② and repeat the procedure from step 1.

4.5. Completing the settings (Fig. 4-1)

Press the [SET] button ② for 5 seconds.

- The remote controller exits the function setting mode.

5 Service

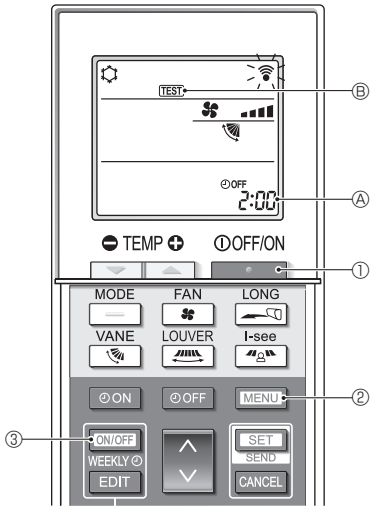


Fig. 5-1

5.1. Test run (Fig. 5-1)

1. Press the [ ] button ① to stop the air conditioner.
   - If the weekly timer is enabled (WEEKLY is on), press the [ON/OFF WEEKLY] button ③ to disable it (WEEKLY is off).
2. Press the [MENU] button ② for 5 seconds.
   - [CHECK] comes on and the unit enters the service mode.
3. Press the [MENU] button ②.
   - [TEST] Ⓑ comes on and the unit enters the test run mode.
4. Press the following buttons to start the test run.
   - [ ] : Switch the operation mode between cooling and heating and start the test run.
   - [ ] : Switch the fan speed and start the test run.
   - [ ] : Switch the airflow direction and start the test run.
   - [ ] : Switch the louver and start the test run.
   - [SET] : Start the test run.
5. Stop the test run.
   - Press the [ ] button ① to stop the test run.
   - After 2 hours, the stop signal is transmitted.

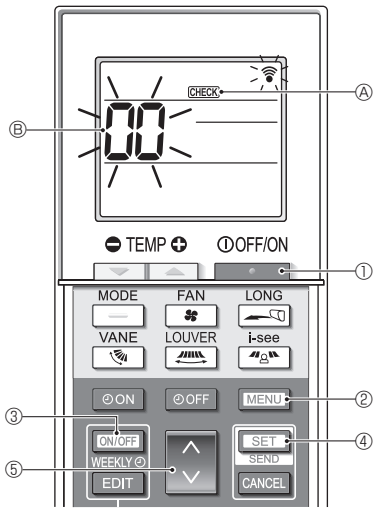


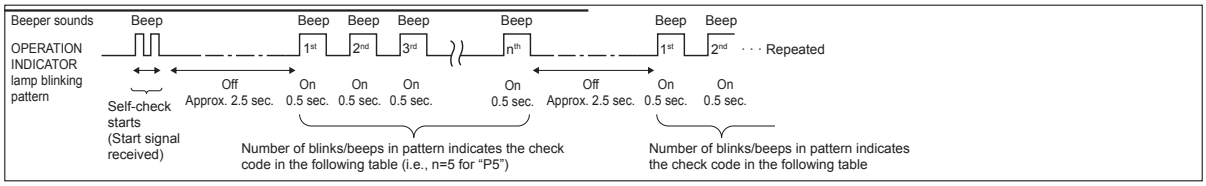
Fig. 5-2

5.2. Self-check (Fig. 5-2)

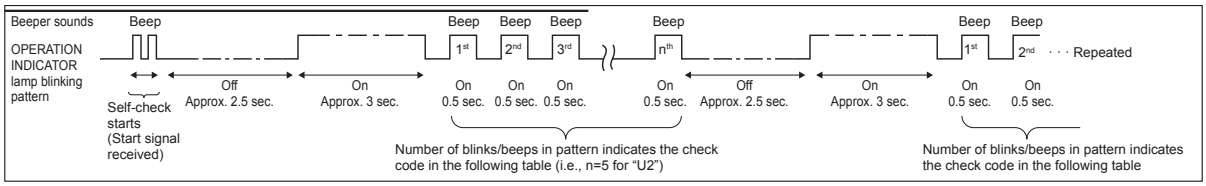
1. Press the [ ] button ① to stop the air conditioner.
   - If the weekly timer is enabled (WEEKLY is on), press the [ON/OFF WEEKLY] button ③ to disable it (WEEKLY is off).
2. Press the [MENU] button ② for 5 seconds.
   - [CHECK] Ⓐ comes on and the unit enters the self-check mode.
3. Press the [▲▼] button ⑤ to select the refrigerant address (M-NET address) Ⓑ of the indoor unit for which you want to perform the self-check.
4. Press the [SET] button ④.
   - If an error is detected, the check code is indicated by the number of beeps from the indoor unit and the number of blinks of the OPERATION INDICATOR lamp.
5. Press the [ ] button ①.
   - [CHECK] Ⓐ and the refrigerant address (M-NET address) Ⓑ go off and the self-check is completed.

Refer to the following tables for details on the check codes.
* A receiver adapter (MA type) cannot be used.

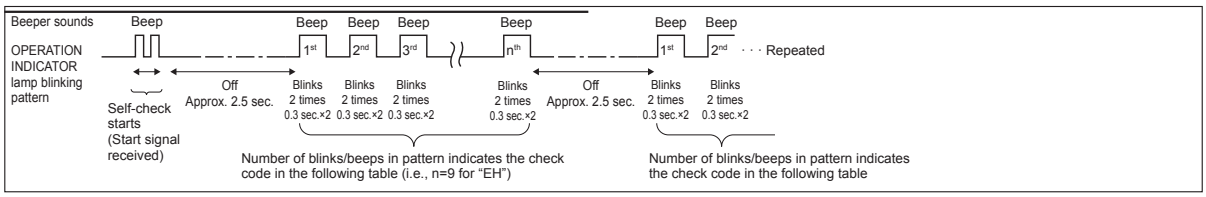
[Output pattern A]



[Output pattern B]



[Output pattern C]



■ **Mr. Slim output contents**

[Output pattern A] Errors detected by indoor unit

Wireless remote controller	Wired remote controller	Symptom	Remark
Beeper sounds/OPERATION INDICATOR lamp blinks (Number of times)	Check code		
1	P1	Intake sensor error	
2	P2, P9	Pipe (liquid or 2-phase pipe) sensor error	
3	E6, E7	Indoor/indoor unit communication error	
4	P4	Drain sensor error / Float switch connector open	
5	P5	Drain overflow protection operation	
	PA	Forced compressor error	
6	P6	Freezing (during cooling operation)/Overheating protection operation (during heating operation)	
7	EE	Assembly error (system error)	
8	P8	Pipe temperature error	
9	E4	Communication error between wired remote controller and indoor unit	
10	—	—	
11	Pb	Indoor unit fan motor error	
12	Fb	Indoor unit control system error (memory error, etc.)	
14	PL	Refrigerant circuit abnormal	

[Output pattern B] Errors detected by unit other than indoor unit (outdoor unit, etc.) * The supported check codes may vary depending on the connected outdoor unit.

Wireless remote controller	Wired remote controller	Symptom	Remark
Beeper sounds/OPERATION INDICATOR lamp blinks (Number of times)	Check code		
1	E9	Indoor/outdoor unit communication error	For details, check the LED display of the outdoor controller board.
2	UP	Compressor overcurrent interruption	
3	U3, U4	Open/short of outdoor unit thermistors	
4	UF	Compressor overcurrent interruption (When compressor locked)	
5	U2	Abnormal high discharging temperature/49C worked/insufficient refrigerant	
6	U1, Ud	Abnormal high pressure (63H worked)/Overheating protection operation	
7	U5	Abnormal temperature of heat sink	
8	U8	Outdoor unit fan protection stop	
9	U6	Compressor overcurrent interruption/Abnormal of power module	
10	U7	Abnormality of super heat due to low discharge temperature	
11	U9, UH	Abnormality such as overvoltage or voltage shortage and abnormal synchronous signal to main circuit/Current sensor error	
12	—	—	
13	—	—	
14	Others	Other errors (Refer to the technical manual for the outdoor unit.)	

[Output pattern C] Errors detected by unit other than indoor unit (outdoor unit, etc.)

Wireless remote controller	Wired remote controller	Symptom	Remark
Beeper sounds/OPERATION INDICATOR lamp blinks (Number of times)	Check code		
9	EH	Panel communication abnormal (auto ascending/descending panel)	

■ **City multi output contents**

[Output pattern A] The abnormal unit (attribute) is an indoor unit, LOSSNAY unit, or outdoor air processing unit.
[Output pattern B] The abnormal unit (attribute) is an outdoor unit or other unit (a unit other than an indoor unit, LOSSNAY unit, or outdoor air processing unit).

Beeper sounds/OPERATION INDICATOR lamp blinks (Number of times)	M-NET check code	Remarks
1	1000 – 1999	If the wired remote controller and system controller are not used together, the details of the check codes in the error history can be checked using the LED display of the outdoor PC board. To check the error history of the outdoor unit, refer to the outdoor unit service handbook.
2	2000 – 2999	
3	3000 – 3999	
4	4000 – 4999	
5	5000 – 5999	
6	6000 – 6999	
7	7000 – 7999	
8	0 – 999	

Notes:
1. If the beeper does not sound and the OPERATION INDICATOR lamp remains off after the signal was received when the self-check starts, there is no error history.
2. If the beeper sounds 3 times continuously “beep, beep, beep (0.4 + 0.4 + 0.4 seconds)” after the signal was received when the self-check starts, the specified refrigerant address (M-NET address) is incorrect.

5.3. Unit function selection

This setting method is for slim air conditioners. For City multi models, set the DIP switches on the indoor PC board and outdoor PC board. To set the DIP switches, refer to the technical materials for the City multi models.

Set the functions as necessary using the remote controller. The functions for each unit can be set only from the remote controller.
Select the functions from table 1 that must be set.
Only the refrigerant systems that are connected to indoor units equipped with wireless remote controller receivers can be set from the wireless remote controller operation unit. The refrigerant address cannot be specified using the wireless remote controller operation unit.

Table 1 Function selection settings (For details about the factory settings and modes of each indoor unit, refer to the indoor unit installation manual.)

Note: The items in the following table are representative examples. Because the settings for each mode may vary depending on the model, refer to the indoor unit installation manual for details.

Mode	Settings	Mode no.	Setting no.	Initial setting	Setting
Power failure automatic recovery	Not available	01	1		Select unit number 00.
	Available		2		
Indoor temperature detecting	Indoor unit operating average	02	1		
	Set by indoor unit's remote controller		2		
	Remote controller's internal sensor		3		
LOSSNAY connectivity	Not Supported	03	1		
	Supported (indoor unit is not equipped with fresh air intake)		2		
	Supported (indoor unit is equipped with fresh air intake)		3		
Filter sign	100Hr	07	1		Select unit number 01–04 or AL (all units).
	2500Hr		2		
	No filter sign indicator		3		
Fan speed	Silent	08	1		
	Standard		2		
	High ceiling		3		
Number of air outlets	4-directional	09	1		
	3-directional		2		
	2-directional		3		
Installed option (high-efficiency filter, etc.)	Without	10	1		
	With		2		
Up/down vane setting *	Not setting / Equipped with vanes (vanes angle setup ③)	11	1		
	Equipped with vanes (vanes angle setup ①)		2		
	Equipped with vanes (vanes angle setup ②)		3		
Built-in humidifier	Not equipped	13	1		
	Equipped		2		

* The setting varies depending on the model.

Note: Whenever the function selection is used to change the indoor unit functions after installation, be sure to record all of the settings with a "○" or other mark in the "Initial setting" column of the table.

Function selection procedure

First, it is important to understand the procedure for the function selection. The following procedure explains how to set "LOSSNAY connectivity" in table 1 to "Supported (indoor unit is not equipped with outdoor-air intake)" as an example.
For the actual operations, refer to the following procedure.

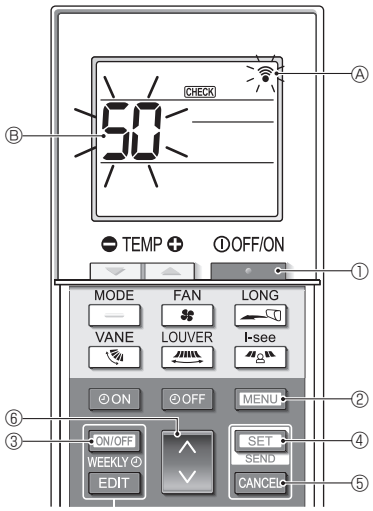


Fig. 5-3

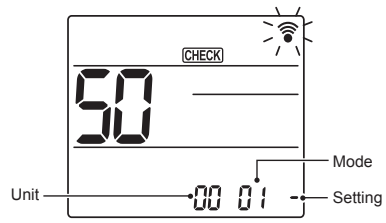
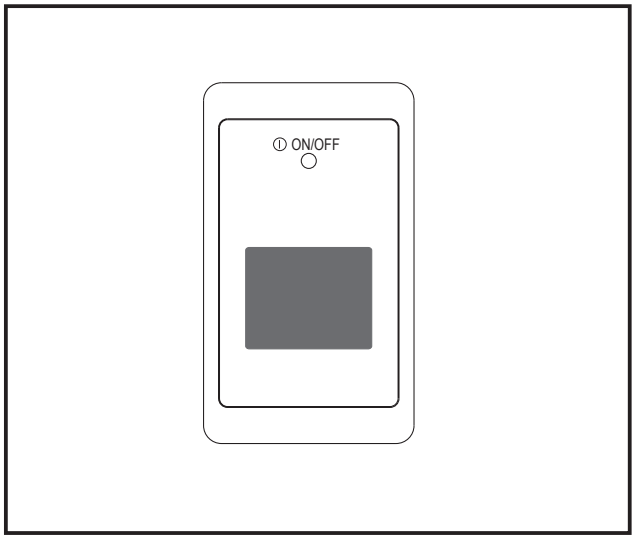


Fig. 5-4

1. Press the [ ] button ① to stop the air conditioner.
   * If the weekly timer is enabled (WEEKLY is on), press the [ON/OFF WEEKLY] button ③ to disable it (WEEKLY is off).
2. Press the [MENU] button ② for 5 seconds.
   • [CHECK] Ⓐ comes on and the unit enters the self-check mode.
3. Press the [▲▼] button ⑥ to set the displayed number Ⓑ to "50".
   • While pointing the wireless remote controller toward the receiver, press the [SET] button ④. (The unit number blinks.)
4. Press the [▲▼] button ⑥ to set the unit number of the indoor unit. (Fig. 5-3)
   • While pointing the wireless remote controller toward the receiver, press the [SET] button ④. (The mode number blinks.)
   * When the unit number is transmitted, the selected indoor unit starts operating in the fan mode.
     You can use this step to confirm which indoor unit corresponds to the unit number you selected to change the functions.
     However, if you set the unit number to "00" or "AL", all of the indoor units in the same refrigerant system will start operating in the fan mode.
   * If you transmit a unit number that cannot be selected, the beeper sounds 3 times continuously “beep, beep, beep (0.4 + 0.4 + 0.4 sec.)”.
     If this occurs, press the [CANCEL] button ⑤, and then set the unit number again while the unit number display is blinking.
   * If the signal was not received correctly, the beeper will not sound or it will beep twice.
     If this occurs, press the [CANCEL] button ⑤, and then set the unit number again while the unit number display is blinking.
5. Press the [▲▼] button ⑥ to set the mode number. (Fig. 5-3)
   • While pointing the wireless remote controller toward the receiver, press the [SET] button ④. (The setting number blinks.)
     At this time, the beeper sound and OPERATION INDICATOR lamp blinking pattern indicate the current setting number for the selected mode number.
     Current setting value = 1: Beep (1 sec.) × 1 time
     = 2: Beep (1 sec.) × 2 times
     = 3: Beep (1 sec.) × 3 times
   * If you enter a mode that cannot be set, the beeper sounds 3 times continuously “beep, beep, beep (0.4 + 0.4 + 0.4 sec.)”.
     If this occurs, press the [CANCEL] button ⑤, and then set the mode number again while the mode number display is blinking.
   * If the signal was not received correctly, the beeper will not sound or it will beep twice.
     If this occurs, press the [CANCEL] button ⑤, and then set the mode number again while the mode number display is blinking.
6. Press the [▲▼] button ⑥ to select the setting number. (Fig. 5-3)
   • While pointing the wireless remote controller toward the receiver, press the [SET] button ④. (The mode number blinks.)
     At this time, the beeper sound and OPERATION INDICATOR lamp blinking pattern indicate the setting number for the selected mode number.
     Current setting value = 1: Beep (1 sec.) × 1 time
     = 2: Beep (1 sec.) × 2 times
     = 3: Beep (1 sec.) × 3 times
   * If you enter a number that cannot be set, the originally set number will be used.
   * If the signal was not received correctly, the beeper will not sound or it will beep twice.
     If this occurs, repeat the procedure from step 5.
7. To set another mode without changing the unit number of the indoor unit, repeat steps 5 and 6.
8. To change the unit number of the indoor unit and perform the function selection, repeat steps 4–6.
9. Press the [ ] button ① to complete the function selection.

Note:
- **After the function selection is complete, do not operate the wireless remote controller for 30 seconds.**
- **Whenever the function selection is used to change the indoor unit functions after installation, be sure to record all of the settings with a “○” or other mark in the “Initial setting” column of the table.**

Figure



Descriptions

Enables the use of wireless remote controller.

Applicable Models

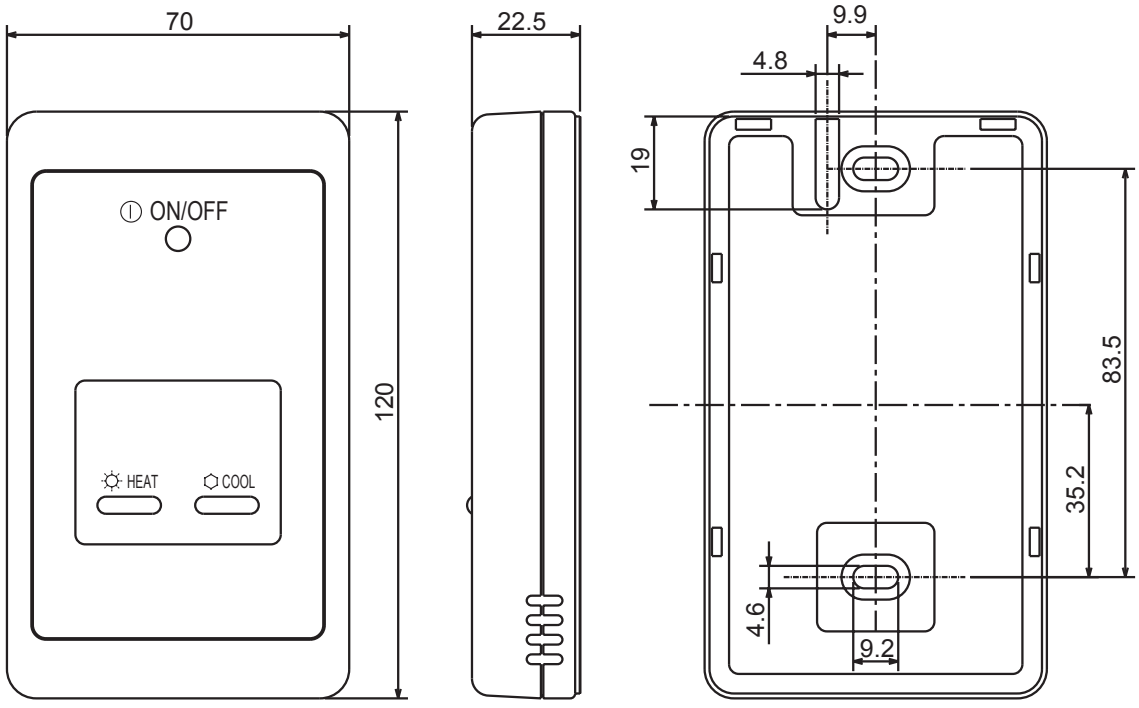
- PEAD-M·JA series
- PEAD-M·JAL series
- SEZ-M·DA series
- SEZ-M·DAL series

Specifications

Item	Content
external dimensions	120(H)×70(W)×22.5(D) mm
Weight	0.2kg
Power	DC12V (supplied from indoor unit control)
Temperature	0 – 40°C Humidity : 30 – 90% RH (no condensing)
Material	ABS
Colour (Munsell)	White Grey (4.8Y7.92/0.66)

Dimensions

Unit : mm



This installation manual contains only the description of how to install the Signal Receiving Unit PAR-SA9CA-E. For information about how to wire and how to install air conditioning units, see the installation manual for them.
For your safety, first be sure to read (1 | Safety Precautions) described below thoroughly and then install the Signal Receiving Unit PAR-SA9CA-E correctly.

1 Safety Precautions

- The following two symbols are used to denote dangers that may be caused by incorrect use and their degree:

⚠ **WARNING**	This symbol denotes what could lead to serious injury or death if you misuse the PAR-SA9CA-E.
⚠ **CAUTION**	This symbol denotes what could lead to a personal injury or damage to your property if you misuse the PAR-SA9CA-E.

- After reading this installation manual, keep it in a place where the final user can see it anytime.
  When someone moves, repairs or uses the PAR-SA9CA-E, make sure that this manual is forwarded to the final user.

⚠ WARNING

- **Ask your dealer or technical representative to install the unit.**
  Any deficiency caused by your own installation may result in an electric shock or fire.
- **Install in a place which is strong enough to withstand the weight of the PAR-SA9CA-E.**
  Any lack of strength may cause the PAR-SA9CA-E to fall down, resulting in personal injury.
- **Firmly connect the wiring using the specified cables. Carefully check that the cables do not exert any force on the terminals.**
  Improper wiring connections may produce heat and possibly a fire.
- **Never modify or repair the PAR-SA9CA-E by yourself.**
  Any deficiency caused by your modification or repair may result in an electric shock or fire.
  Consult with your dealer about repairs.
- **Ensure that installation work is done correctly following this installation manual.**
  Any deficiency caused by installation may result in an electric shock or fire.
- **All electrical work must be performed by a licensed technician, according to local regulations and the instructions given in this manual.**
  Any lack of electric circuit or any deficiency caused by installation may result in an electric shock or fire.
- **Do not move and re-install the PAR-SA9CA-E yourself.**
  Any deficiency caused by installation may result in an electric shock or fire.
  Ask your distributor or special vendor for moving and installation.
- **To dispose of this product, consult your dealer.**

⚠ CAUTION

- **Do not install in any place exposed to flammable gas leakage.**
  Flammable gases accumulated around the body of PAR-SA9CA-E may cause an explosion.
- **Do not use in any special environment.**
  Using in any place exposed to oil (including machine oil), steam and sulfuric gas may deteriorate the performance significantly or give damage to the component parts.
- **Wire so that it does not receive any tension.**
  Tension may cause wire breakage, heating or fire.
- **Completely seal the wire lead-in port with putty etc.**
  Any dew, moisture, cockroaches, insects entering the unit may cause an electric shock or a malfunction.
- **Do not wash with water.**
  Doing so may cause an electric shock or a malfunction.
- **Do not install in any place at a temperature of more than 40 °C (104 °F) or less than 0 °C (32 °F) or exposed to direct sunlight.**
- **Do not install in any steamy place such a bathroom or kitchen.**
  Avoid any place where moisture is condensed into dew. Doing so may cause an electric shock or a malfunction.
- **Do not install in any place where acidic or alkaline solution or special spray are often used.**
  Doing so may cause an electric shock or malfunction.
- **Use standard wires in compliance with the current capacity.**
  A failure to this may result in an electric leakage, heating or fire.
- **Do not touch any PCB (Printed Circuit Board) with your hands or with tools. Do not allow dust to collect on the PCB.**
  Doing so may cause fire or an electric shock.
- **Do not touch any control button with your wet hands.**
  Doing so may cause an electric shock or a malfunction.
- **Do not press any control button using a sharp object.**
  Doing so may cause an electric shock or a malfunction.
- **Never contact the power supply with the control wiring terminals.**
  Doing so will certainly cause the controller to catch fire.

2 Confirming the Supplied Parts

Check that the box includes the following parts in addition to this installation manual:

(1) Signal Receiving Unit 1
(2) Remote controller wire (5 m (16 ft)) 1
(3) Screw (M4 × 30) 2
(4) Wood screw (4.1 × 16) 2

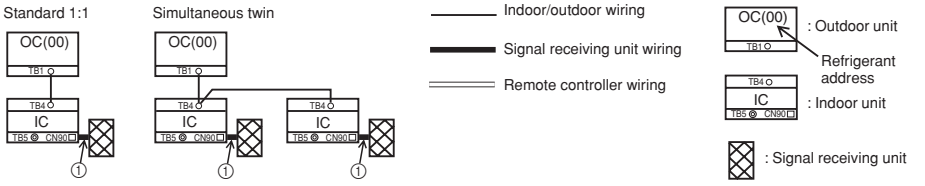
3 Sample System Connection

Only the wiring from the signal receiving unit and between the remote controllers is shown below. The wiring differs depending on the unit to be connected or the system to be used.
For details on restrictions, refer to the installation manual or the service handbook that came with the unit.

1. Connecting to Mr. SLIM air conditioner

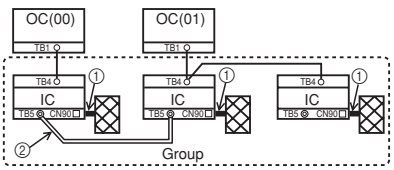
(1) Standard 1:1, simultaneous twin

① Connecting the signal receiving unit
Connect the signal receiving unit to the CN90 (Connect to the wireless remote controller board) on the indoor unit using the supplied remote controller wire. Connect the signal receiving units to all the indoor units.



(2) Grouping indoor units connected to different outdoor units

① Connecting the signal receiving unit
Connect the signal receiving unit to the CN90 (Connect to the wireless remote controller board) on the indoor unit using the supplied remote controller wire. Connect the signal receiving units to all the indoor units.
② Remote controller wiring
- Connect the remote controller wire to the TB5 (terminal block for remote controller wiring) on the indoor unit. (No polarity)
- The indoor units can be grouped by the remote controller wiring. Daisy-chain the indoor unit to be grouped to one of the indoor units connected to the same outdoor unit.
- When some types of indoor units are in the system, connect the remote controller wire to the indoor unit with the most functions (wind velocity, vane, louver, etc.). Assign the refrigerant address of "00" to the outdoor unit connected to the indoor unit with the most function.
- The indoor units connected to 16 different outdoor units at maximum can be controlled as one group.



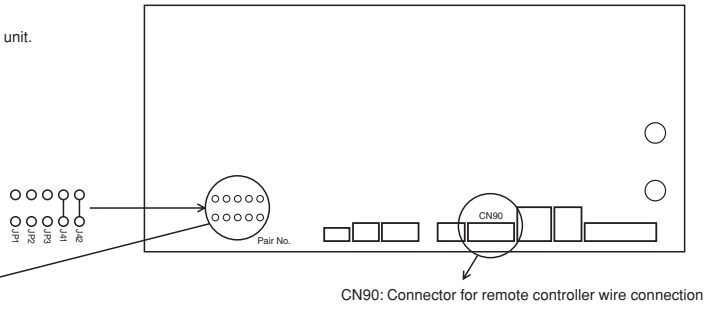
4 Setting the Pair Number Switch

Pair number setting cannot be made on the SEZ-KA·VA or SEZ-KC·VA model.
For details on restrictions, refer to the installation manual or the service handbook with the unit.

1. Setting method

Assign the same pair number to the wireless remote controller as that of the indoor unit. If not doing so, the remote controller cannot be operated. Refer to the installation manual that came with the wireless remote controller for how to set pair numbers of wireless remote controllers.

Position of daisy wire on the controller circuit board on the indoor unit



For pair number settings, the following 4 patters (A-D) are available.

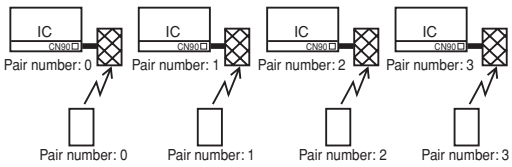
Pair number setting pattern	Pair number on remote controller side	Indoor controller circuit board side Point where the daisy wire is disconnected
A	0	Not disconnected
B	1	J41 disconnected
C	2	J42 disconnected
D	3~9	J41 and J42 disconnected

2. Setting example

(1) To use the units in the same room

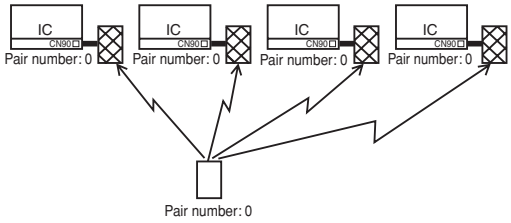
① Separate setting

Assign a different pair number to each indoor unit to operate each indoor unit by its own wireless remote controller.



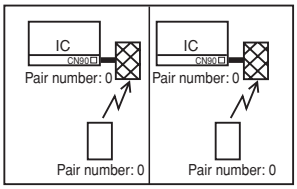
② Single setting

Assign the same pair number to all the indoor units to operate all the indoor units by a single wireless remote controller.



(2) To use the units in different rooms

Assign the same pair number to the wireless remote controller as that of the indoor unit. (Leave the setting as it is at purchase.)



5 How To Install

The installation method for the signal receiving unit varies depending on the installation site.
When it is installed on the ceiling, refer to the section “Installation on the ceiling”, and when it is installed on the switch box or on the wall, refer to the section “Installation on the switch box or on the wall”.

1. Common items for “Installation on the ceiling” and “Installation on the switch box or on the wall”

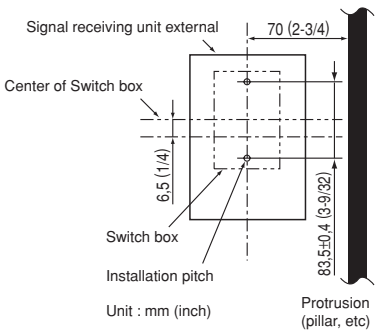
(1) Select the installation site.

The following must be observed.

① Connect the signal receiving unit to the indoor unit with the supplied remote controller wire. Note that the length of the remote controller wire is 5 m (16 ft). Install the remote controller within the reach of the remote controller wire.

② When installing on either the switch box or the wall, allow space around the Signal Receiving Unit as shown in the figure on the right.

③ When installing the Signal Receiving Unit to the swich box, the Signal Receiving Unit slipped downward for 6.5 mm (1/4 inch) as right illustrated.



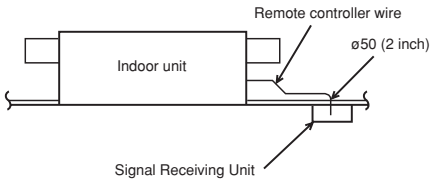
④ Parts which must be supplied on site.
Switch box for one unit
Thin-copper wiring pipe
Lock nut and bushing

⑤ The thickness of the ceiling to which the remote controller is installed must be between 9 mm (3/8 inch) and 25 mm (1 inch).

⑥ Install the unit on the ceiling or on the wall where the signal can be received from the wireless remote controller.
The area where the signal from the wireless remote controller can be received is 45 ° and 7 m (22 ft) away from the front of the signal receiving unit.

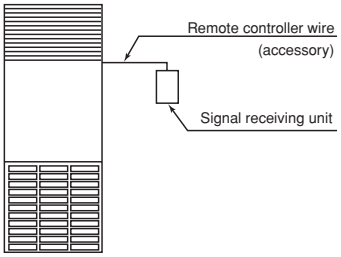
⑦ Install the signal receiving unit to the position shown below depending on the indoor unit model.

Ⓐ: Ceiling cassette type, Ceiling concealed type



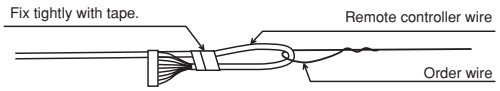
* When concealing wire, the hole ø50 (2 inch) to push a remote control wire through is nesessary on the ceiling.

Ⓑ: Floor standing



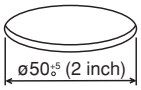
NOTE: • The point where the remote controller wire is connected differs depending on the indoor unit model.
Take into account that the remote controller wire cannot be extended when selecting the installation site.
• If the Signal Receiving Unit is installed near a fluoresent lamp specially inverter type,signal interception may occur.
Be careful for installing the Signal Receiving Unit or replacing the lamp.

⑧ Connect the remote controller wire securely to the order wire to pass the remote controller wire through the conduit as shown below.

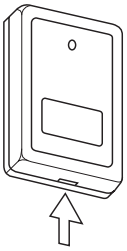


2. Installation on the ceiling

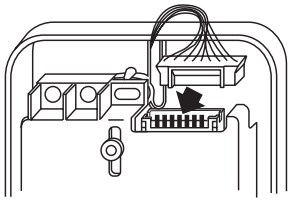
(1) Make a hole on the ceiling to install the signal receiving unit.



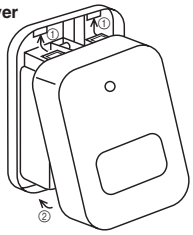
(2) Install the remote controller wire to the terminal block.

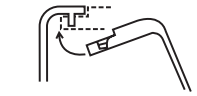


Insert the minus screwdriver toward the arrow pointed and wrench it to remove the cover.
A flat screwdriver whose width of blade is between 4 and 7 mm (5/32 - 9/32 inch) must be used.



Mounting the cover





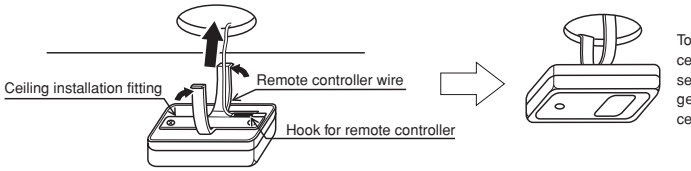
① Hang the cover to the upper hooks (2 places).

② Mount the cover to the lower case

⚠ CAUTION Insert the cover securely until the clicking sound is made.
If not doing so, the cover may fall.

(3) Use the remote controller wire to connect it to the connector (CN90) on the controller circuit board on the indoor unit.
Refer to the (4 Setting the Pair Number Switch) for details on controller circuit board on the indoor unit.

(4) Install the signal receiving unit to the ceiling.



To remove the signal receiving unit, pull it down, secure the space for fingers, and remove the ceiling installation fitting.

- Hang the remote controller wire securely to the hook before installation.
- Hook the springs on the ceiling installation fitting first, and push the signal receiving unit from the bottom to install it to the ceiling.

⚠ CAUTION
- Do not install the signal receiving unit to the ceiling with holding the ceiling installation fitting.
Doing so cause fingers to be caught leading to injury.
- Do not leave the remote controller wire hanging from the signal receiving unit.
Doing so may cause disconnection of the wire or malfunction of the signal receiving unit.

NOTE: Confirm the installation direction first before installing the signal receiving unit.

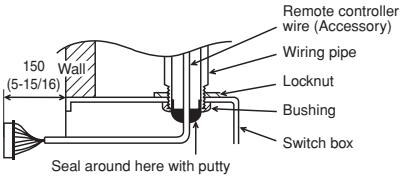
3. Installation on the switch box or on the wall

(1) Use the remote controller wire to connect it to the connector (CN90) on the controller circuit board on the indoor unit.
Refer to the (4 Setting the Pair Number Switch) for details on controller circuit board on the indoor unit.

(2) Seal the Signal Receiving Unit cord lead-in hole with putty in order to prevent the possible entry of dew, water droplets, cockroaches, other insects, etc.

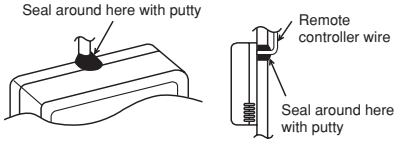
- When installing on the switch box, seal the connections between the switch box and wiring pipe with putty.

When using the switch box



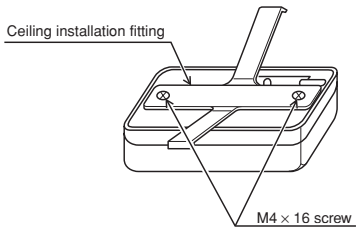
- When opening a hole using a drill for Signal Receiving Unit wire (or taking the wire out of the back of the Signal Receiving Unit), seal that hole with putty.
- When routing the wire via the portion cut off from the upper case, equally seal that portion with putty.

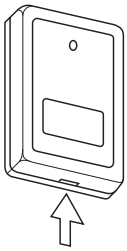
When installing directly on the wall



(3) Remove the ceiling installation fitting.

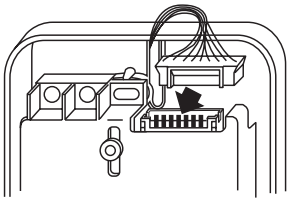
- Remove the screws (M4 × 16) on the ceiling installation fitting.
- The screws (M4 × 16) are fixed with nuts from inside. Remove the cover, and fix the nuts to prevent the nuts from moving.





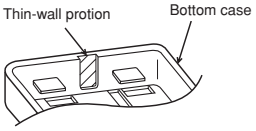
Insert the minus screwdriver toward the arrow pointed and wrench it to remove the cover.
A flat screwdriver whose width of blade is between 4 and 7 mm (5/32 - 9/32 inch) must be used.

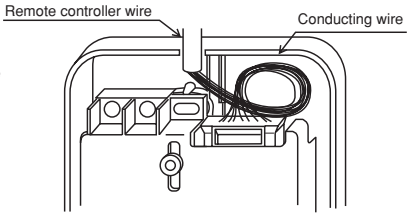
(4) Install the remote control wire to the terminal block.



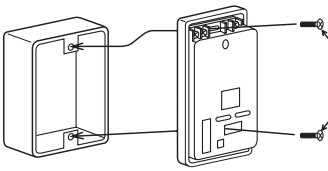
(5) Installing hole when the Signal Receiving Unit is installed on the wall direct.

- Cut the thin-wall portion inside the bottom case (oblique section) by a knife or a nipper.
- Take out the connected remote controller wire to the terminal brock through this space.

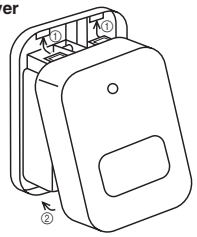


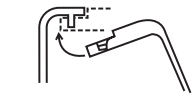


(6) Install the lower case on the switch box or directly on the wall.



Mounting the cover





① Hang the cover to the upper hooks (2 places).

② Mount the cover to the lower case

⚠ CAUTION Insert the cover securely until the clicking sound is made. If not doing so, the cover may fall.

6 Emergency Operation

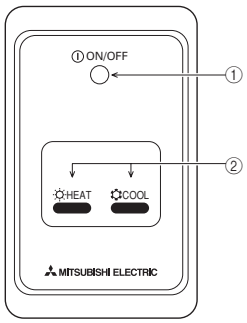
① **ON/OFF lamp** (lit when unit is operating; unlit when unit is not operating)

② **Emergency operation**

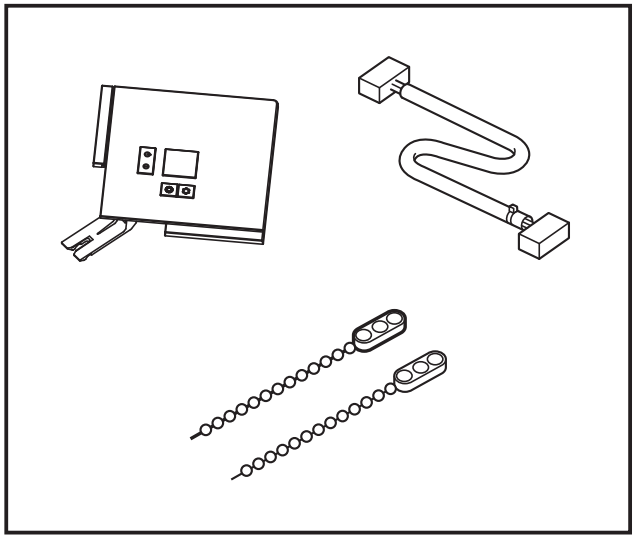
In cases where the remote control unit does not operate properly, use either the ☼ COOL or ☼ HEAT button on the wireless remote control signal receiver to toggle the unit on or off. On cooler only units, pushing the ☼ HEAT button toggles the fan on and off.

Pressing the ☼ COOL or ☼ HEAT button selects the following settings.

Operation mode	COOL	HEAT
Preset temperature	24 °C/75 °F	24 °C/75 °F
Fan speed	High	High
Air Direction	Horizontal	Down



Figure



Descriptions

- Integrate the Signal Receiver in the corner panel.
- Applicable only for SLZ-KF·VA(2) models.

Applicable Models

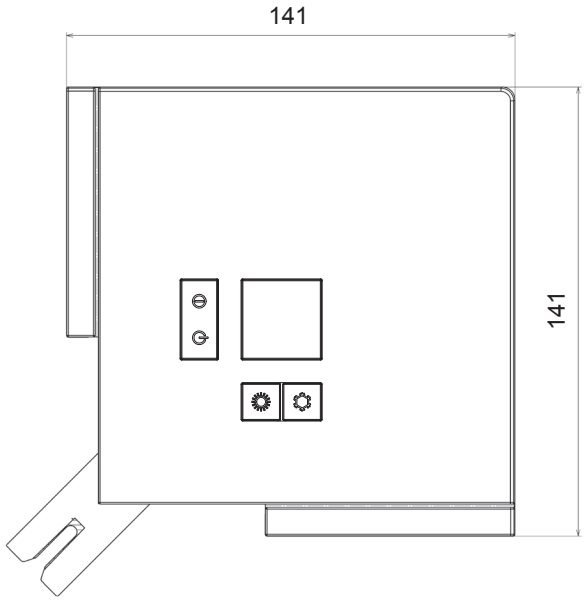
■ SLZ-M·FA series

Specifications

Model name	PAR-SA9FA-E
Operation indicator lamp	During operation: LED (green) lights, Abnormal condition: LED (green) blinks, Preparing for heating operation:LED.(orange) lights
Emergency operation	Cooling/heating switch (operate/stop) equipped.
Number of controllable units	Maximum 16 refrigerant systems in one group (At least one wireless signal receiving kit must be installed to each refrigerant system.)
Adapter wiring	Connect the 9-core cord with connector (attached) to CN90 of the indoor controller board of the indoor unit.
Signal distance	Within 7m in 45 degrees range from the front of the Signal Receiver

Dimensions

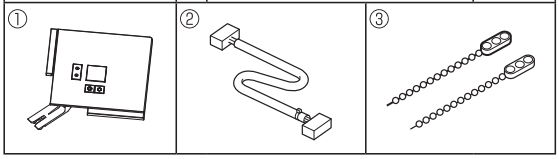
Unit : mm

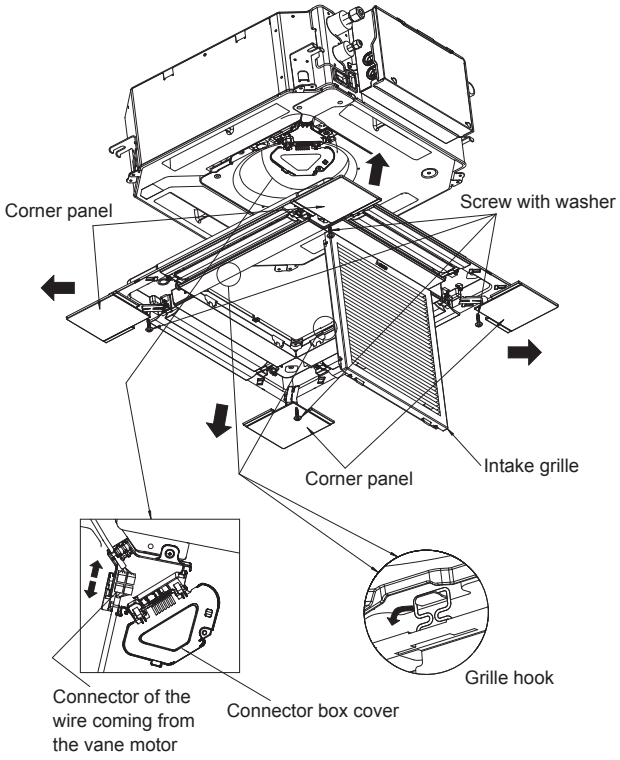


How to Use / How to Install

1. Accessories
   Make sure that all the following accessories besides this installation manual are contained in the package.

Model		Accessory name	Q'ty
PAR-SF9FA-E	①	Signal receiver	1
	②	Junction wire	1
	③	Fastener	2





2. Preparation for mounting signal receiver
   (The junction wire ② needs to be connected to the indoor unit.)
   Note 1: Turn off main power supply to the indoor unit before installation.
   Note 2: See the installation manual of the indoor unit in addition to this manual.

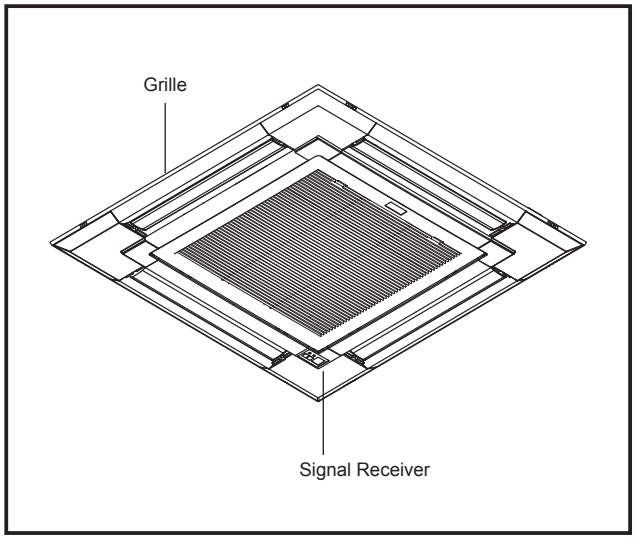
   • Remove the grille from the indoor unit as described in the following procedure.
   1) Open the intake grille, loosen the screws for the corner panels, and remove the corner panels.
   2) Remove the screw for the connector box cover, and open the connector box cover. Disconnect the connector of the wire coming from the vane motor.
   3) Remove the 4 screws fastened on the corners of the grille.
   4) Disengage the 2 hooks of the grille from the indoor unit, and remove the grille.

   • Perform the electrical work of the junction wire ② by referring to [Electrical work] in the installation manual of the indoor unit.

3. Mounting signal receiver
   • Mount the signal receiver ① on either corner of the grille, which is marked with "□" or "○" by referring to [Installing the grille] in the installation manual of the indoor unit.
   Note 1: "□" stamp : default signal receiver position.
   Note 2: Discard the corner panel removed from the position indicated with "□" or "○".
   • After mounting the signal receiver ①, close the connector box cover. Replace the 3 corner panels, the intake grille, in the reverse order of the removal described above.

4. Check
   • Make sure that there is no gap either between the body of indoor unit and the grille or between the ceiling surface and the grille. The gap may cause dew formation.
   • Make sure that the wires are connected properly.
   The colors of the male and female sections of the junction wire connectors must match.
   Otherwise the vanes do not move or the indoor unit does not respond to input from the wireless remote controller.

Figure



Descriptions

- Integrate the Signal Receiver in the corner panel.
- Applicable only for PLA-ZM·EA, PLA-M·EA, PLA-SM·EA models.

Applicable Models

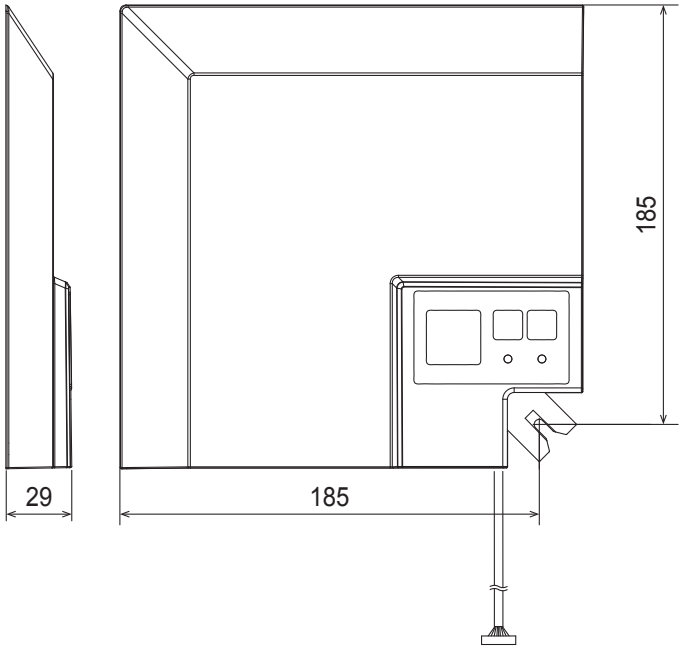
- PLA-ZM·EA series
- PLA-M·EA series
- PLA-SM·EA series

Specifications

Model name	PAR-SE9FA-E
Operation indicator lamp	During operation: LED (green) lights, Abnormal condition: LED (green) blinks, Preparing for heating operation:LED.(orange) lights
Emergency operation	Cooling/heating switch (operate/stop) equipped.
Number of controllable units	Maximum 16 refrigerant systems in one group (At least one wireless signal receiving kit must be installed to each refrigerant system.)
Adapter wiring	Connect the 9-core cord with connector (attached) to CN90 of the indoor controller board.
Signal distance	Within 7m in 45 degrees range from the front of the Signal Receiver

Dimensions

Unit : mm



How to Use / How to Install

1 Preparation for installing SIGNAL RECEIVER

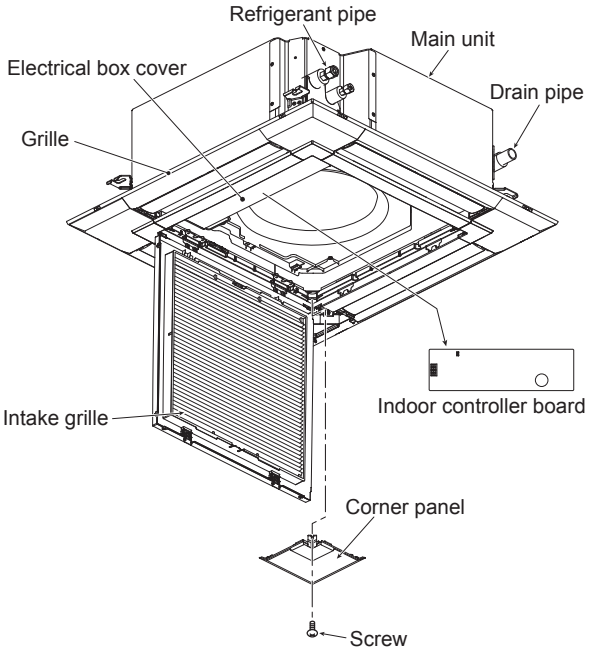
1. Open the intake grille and remove the corner panel. The corner panel is in opposite to where refrigerant pipes are (where local wires are drawn into).

Note:
- Discard only the removed corner panel.
- Reuse the screw of the removed corner panel to install the signal receiver.
- When installing the signal receiver during grille installation, complete the wiring work of grille before proceeding to the following procedure.

2. Loosen the 2 screws on the electrical box cover, and remove the cover by sliding; however, in this installation, the cover can hang temporarily.
3. Specify the target unit for wireless remote controller operation. Follow the procedure below to set the pair number on the indoor controller board and the wireless remote controller.

■ Setting pair number
- The pair number setting is to specify the unit which is to be operated by wireless remote controller.
  When specifying the unit is not required, this setting is not necessary.
  The pair number is set to "0" on indoor unit (signal receiver) side and wireless remote controller side at an initial setting.
- When specifying the unit is required, match the pair number on the indoor unit (signal receiver) side and on the wireless remote controller side as shown in the table below.

Make sure to turn off the main power before work.

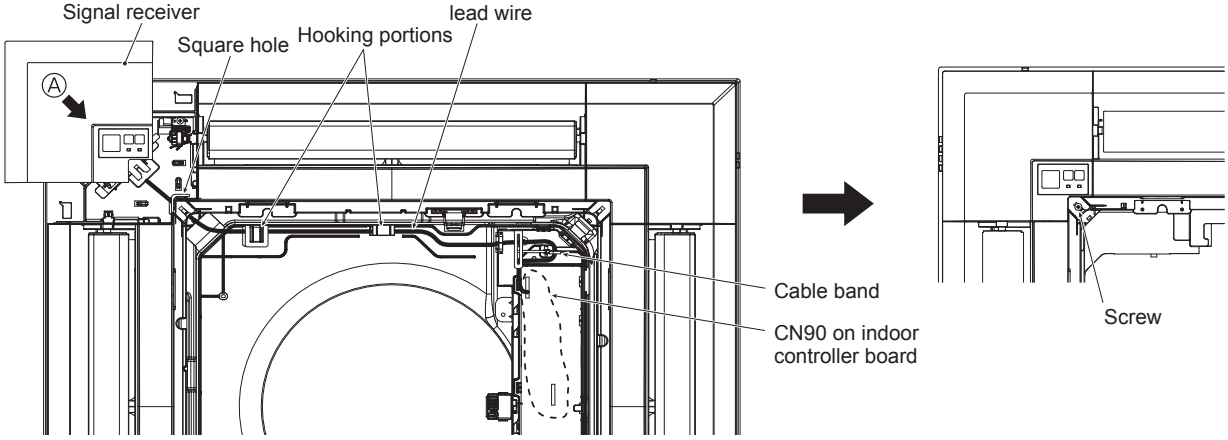


Pair number of wireless remote controller	Pair number of indoor unit		
	• When the unit is in combination with PLA-EA Cut jumper wire J41, J42, or both on the indoor controller board.	• When the unit is in combination with PLFY-EM Set SW22.	
		SW 22-3	SW 22-4
0	No need to cut.	ON	ON
1	Cut only J41.	OFF	ON
2	Cut only J42.	ON	OFF
3	Cut J41 and J42.	OFF	OFF

2 Installing SIGNAL RECEIVER

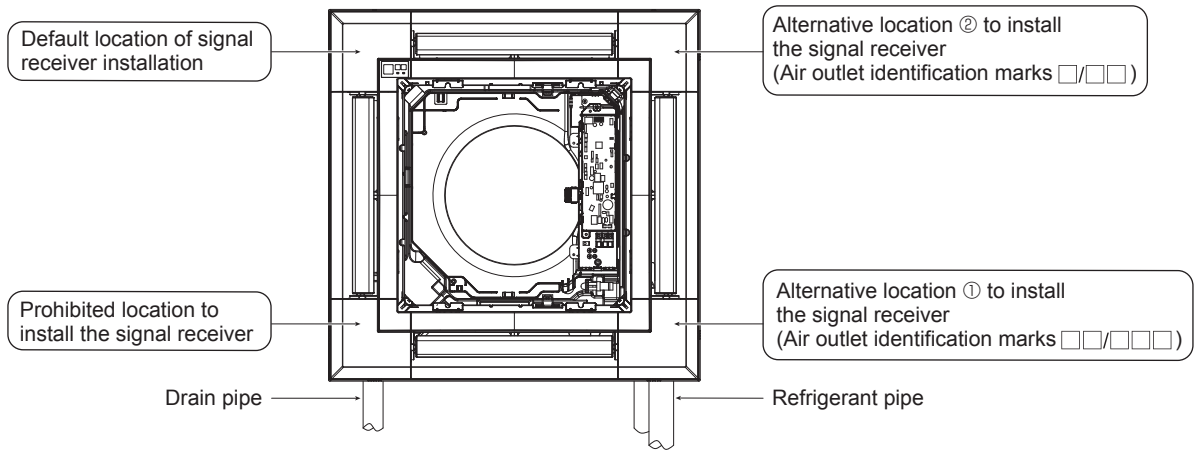
- Installation procedure for the default location

1. Pull out the lead wire of signal receiver from the square hole located in the corner of grille, where the removed corner panel was in the preparation procedure.
2. Pass the lead wire through the 2 hooking portions and inside the electrical box, and connect it to CN90 on the indoor controller board as shown below.
   Adjust the lead wire length to allow the corner panel to be removed again, and fix it with the cable band.
3. Install the signal receiver by sliding it towards the arrow A, and fix in the corner with the screw.
   (Reuse the screw which was used to fix the removed corner panel.)



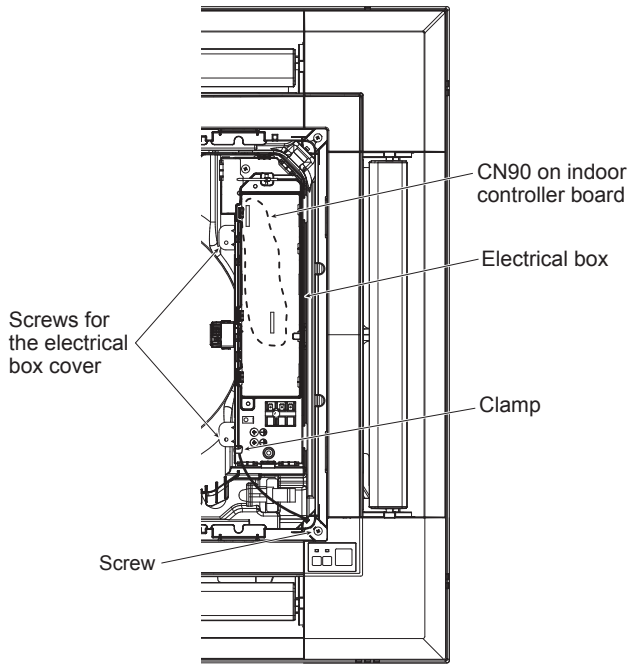
4. After completing the installation, attach the electrical box cover and the intake grille as they were.

● To install the signal receiver to the 2 locations other than the default location, follow the procedure below.



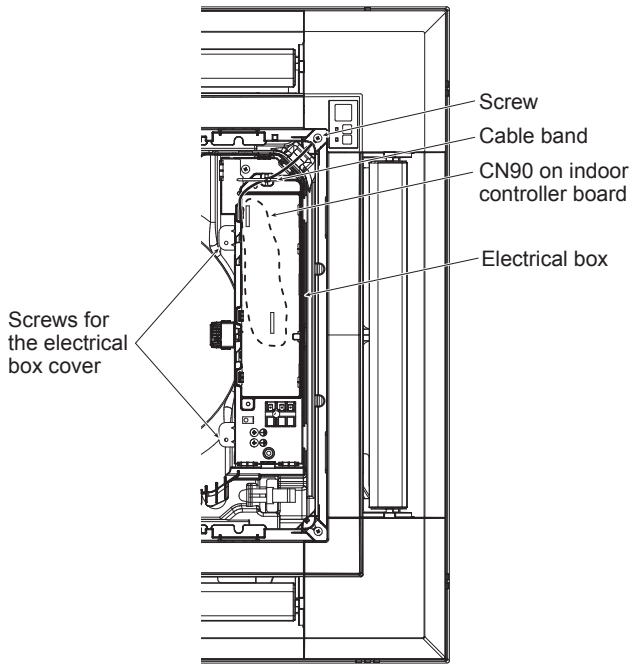
● Installation procedure for the alternative location ①

1. Pass the lead wire of signal receiver through the square hall located in the corner of grille.
2. Loosen the 2 screws fixing the electrical box cover on the unit, and slide the cover to open.
3. Route the lead wire of signal receiver (white, 9 poles) from the electrical box side on the unit, and certainly connect it to CN90 on the indoor controller board.
4. The lead wire of signal receiver must be held together without slack using the clamp into the electrical box.
5. Follow the reverse procedure of 2 to reinstall the electrical box cover on the unit.
6. Install the signal receiver to the grille and fix with the screws.

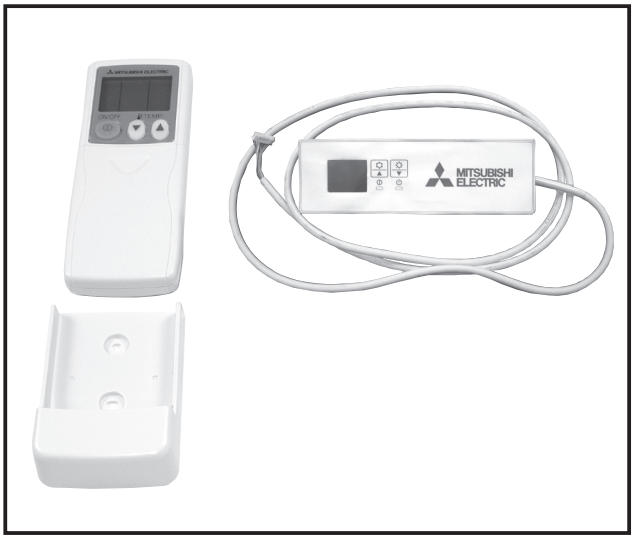


● Installation procedure for the alternative location ②

1. Pass the lead wire of signal receiver through the square hall located in the corner of grille.
2. Loosen the 2 screws fixing the electrical box cover on the unit, and slide the cover to open.
3. Route the lead wire of signal receiver (white, 9 poles) from the electrical box side on the unit, and certainly connect it to CN90 on the indoor controller board.
4. The lead wire of signal receiver must be held together without slack, and fixed with the cable band into the electrical box.
5. Follow the reverse procedure of 2 to reinstall the electrical box cover on the unit.
6. Install the signal receiver to the grille and fix with the screws.



Photo



Descriptions

Enables the use of wireless remote controller for ceiling suspended models.

Applicable Models

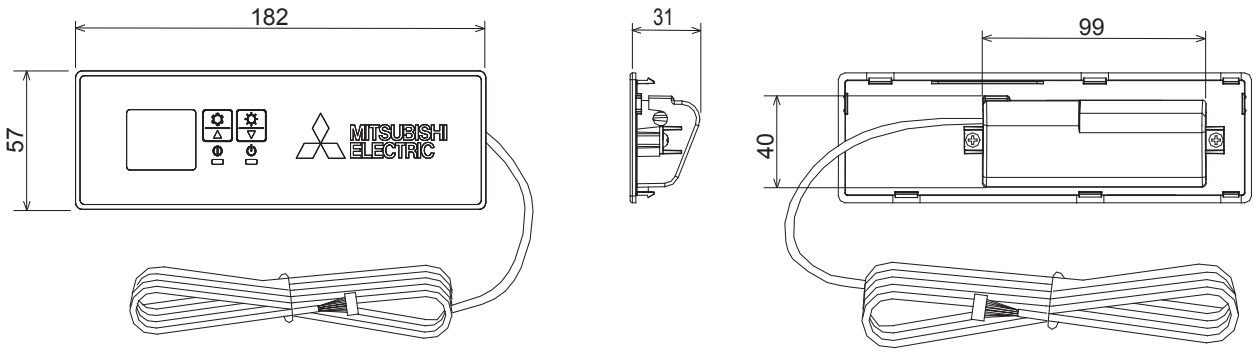
■ PCA-M·KA series

Specifications

Operation indication	During operation: LED (green) is lit, Alarm: LED (green) flashes.
Emergency operation	Cooler/heater button (start/stop) is provided.
Number of units controlled	Max. 16 refrigerant systems per group (One or more wireless light receivers must be installed for each refrigerant system.)
Adapter wiring	9-wire cord (standard accessory) with connector is connected to the connector (CN90) on the indoor unit control board.
Light receiver range	7m or less, at within 45 degrees to the front of receiver (the range varies with conditions)
Operating conditions	Temperature: 0 to 40℃, Humidity: 30 to 90% (no condensation)
Exterior	White gray (Munsell 4.48Y 7.92/0.66), ABS resin
Installation method	Attached to the brand label case of indoor unit.

Dimensions

Unit : mm



How to Use / How to Install

1 Making Sure of Components

Make sure that the following components, along with this manual, are packed in the box.

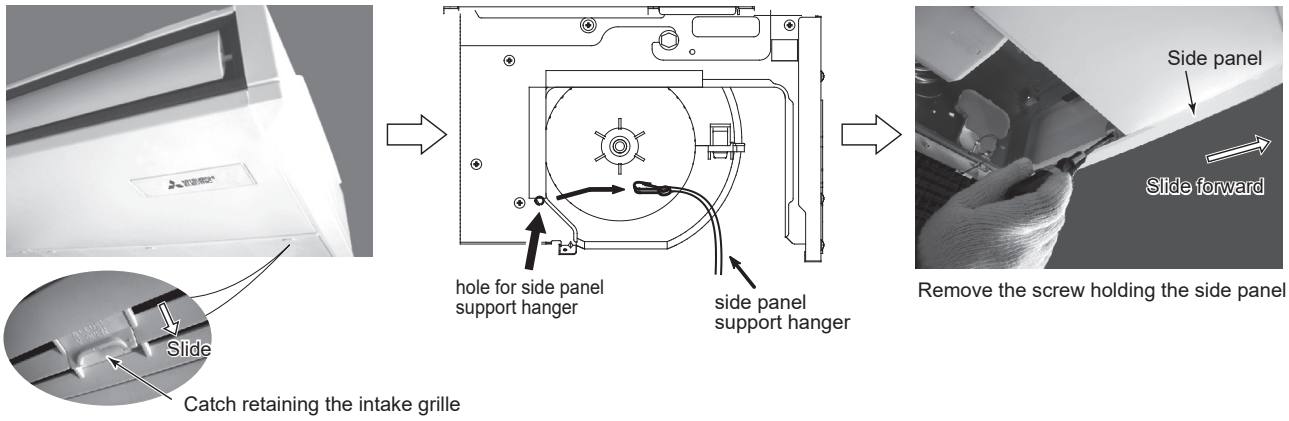
Component	Q'ty
Wireless remote controller receiver	1
Wireless remote controller	1
Remote control holder	1
"AAA" LR03 alkaline batteries	2
4.1×16 wood screws	2
Cord retaining clips	2
Connection cord fixing seal (12×30 size)	1

2 How to Install

※ Be sure to turn the power off before installing.

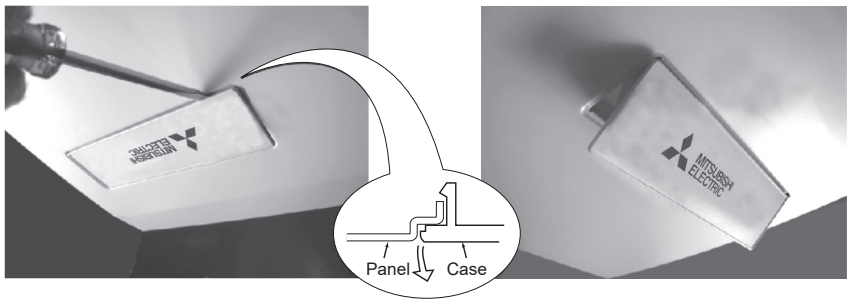
① Removing the intake grille and the right side panel

• Slide the catch holding the intake grille backwards to open the grille. Remove the screw holding the side panel, and then slide the side panel forward to remove it.



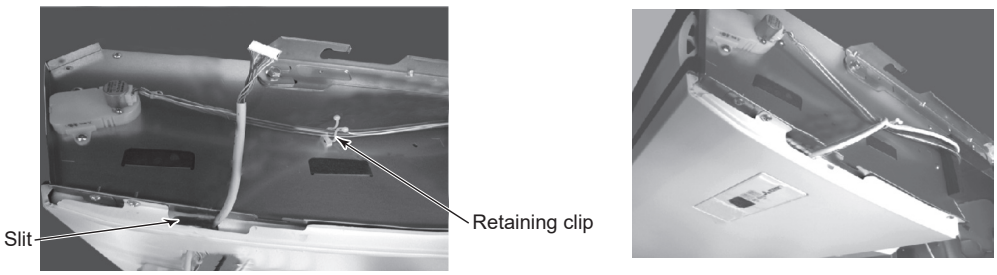
② Removing the existing brand label case

• Remove the brand label case (name plate with MITSUBISHI ELECTRIC) from the bottom right of the unit. If it is difficult to remove the case, use a flat-blade screwdriver, etc., taking care not to damage the panel.



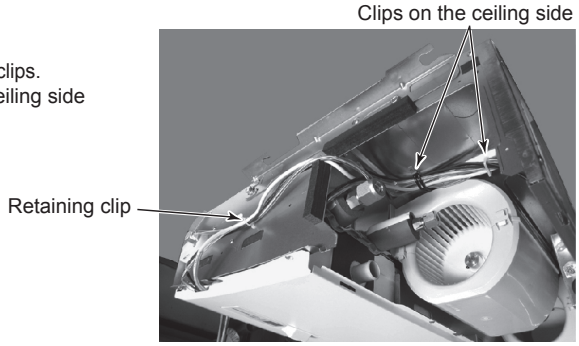
③ Installing to the indoor unit

• Pass the receiver board connector through the right side of the square hole to which the brand label case was attached and then pull the connector and cord through the slit in the right side of the bottom panel.
• Fit the receiver into the square hole where the brand label case was attached.



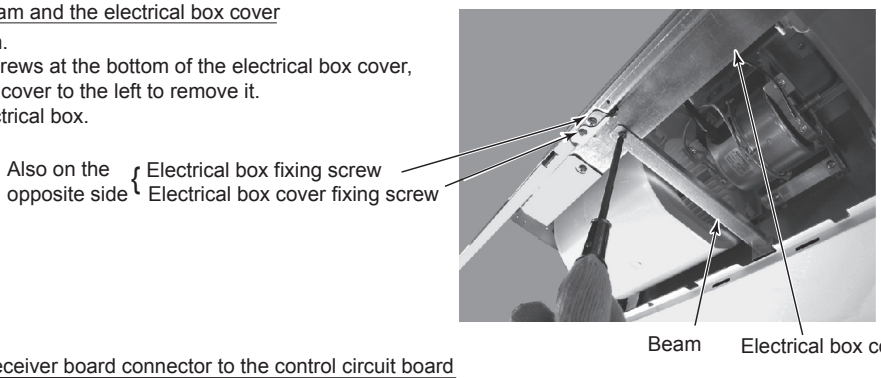
④ Laying out the lead wire

- Pass the lead wire for receiver through the retaining clips.
- Fix the lead wire for receiver with the clips on the ceiling side of the unit.



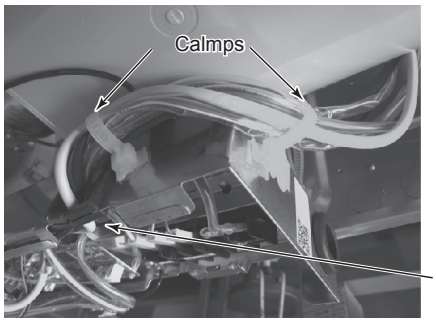
⑤ Removing the beam and the electrical box cover

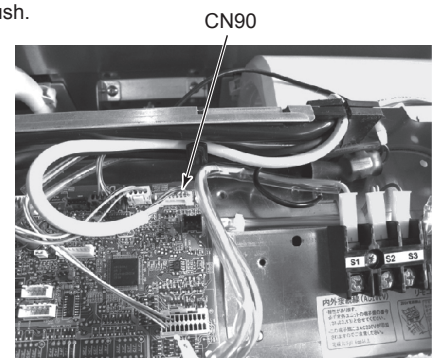
- Remove the beam.
- Loosen the two screws at the bottom of the electrical box cover, and then slide the cover to the left to remove it.
- Pull down the electrical box.



⑥ Connecting the receiver board connector to the control circuit board

- Pass the cord through the bush at the top right of the electrical box.
- Connect the connector to CN90 on the right of the control board.
- If the cord is loose, bundle it using the clamps under the above bush.





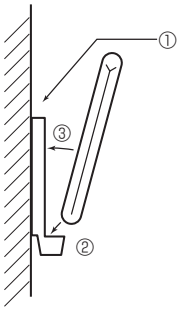
* The positions of the connectors may be different according to the model.
Please refer to the wiring diagram to confirm the positions of the connectors.

⑦ Reinstalling the removed components

- Reinstall the removed components in reverse order. (The brand label case is not needed.)

⑧ Remote control holder

- To install the wireless remote controller on a wall, first attach the remote control holder to a wall.



Fitting remote control into holder

① Fix the remote control holder to the wall using the 2 wood screws provided.
② Insert the remote control into the holder.
③ Push the remote control against the wall.

Removing remote control

- Pull the top of remote control forward.

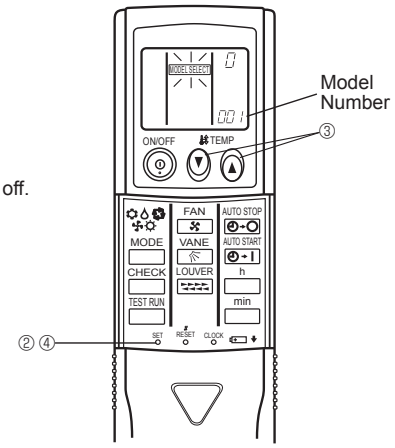
NOTE : The remote signal will reach the receiver over a distance of approx. 7m in a straight line and approx. 45° left or right. If the infrared receiver is affected by fluorescent light (especially, inverter type), it may not be able to receive the signal. Take this into consideration when installing fluorescent lights or replacing them.

3 Model Select

This remote controller needs model number setting before use.
Set the model number in the following order.
Without setting the air conditioner will not work property.
(The factory setting of model number is “001”.)

① Insert batteries.
② Press the SET button with something sharp at the end.
MODE SELECT blinks and Model No. is lighted.
③ Press the temp ▼ ▲ button to set the Model Number.
④ Press the SET button with something sharp at the end.
MODE SELECT and Model No. are lighted for 3 seconds, then turned off.

Indoor Unit Model	(H/P)/(C/O)	Model No.
PCA-M·KA	Outdoor Heat pump	001
	Outdoor Cooling only	033

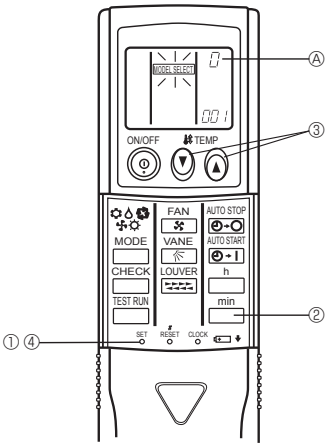


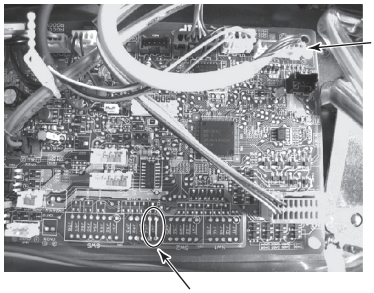
4 Pair Number Setting

- This is the setting to specify the unit to operate with the wireless remote controller.
- Make setting for J41, J42 (Jumper wire) of indoor controller board and the pair number of wireless remote controller.
- The pair number setting is available with the 4 patterns as shown in the following table. Make setting for the pair number (J41, J42) of indoor controller board and the pair number of wireless remote controller which is used as shown in the following table. *The initial setting is Pair No. “0”.

① Press the SET button with something sharp at the end.
Start this operation from the status of remote controller display turned off.
MODEL SELECT blinks and Model No. is lighted.
② Press the min button twice continuously. Pair No. “0” blinks.
③ Press the temp ▼ ▲ button to set the pair number you want to set.
④ Press the SET button with something sharp at the end.
Set pair number is lighted for 3 seconds then turned off.

Ⓐ Pair No. of wireless remote controller	Indoor PC board
0	Initial setting
1	Cut J41
2	Cut J42
3 ~ 9	Cut J41, J42

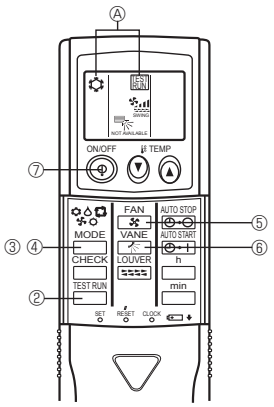




* The positions of the connectors may be different according to the model. Please refer to the wiring diagram to confirm the positions of the connectors.

5 Test Run

Measure an impedance between the power supply terminal block on the outdoor unit and the ground with a 500V Megger and check that it is equal to or greater than 1.0 MΩ.



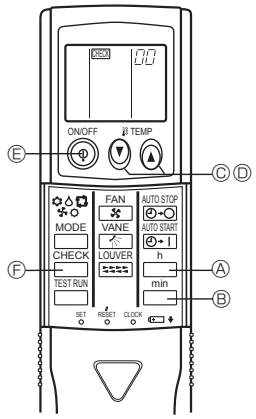
① Turn on the main power to the unit.
② Press the TEST RUN button twice continuously.
(Start this operation from the status of remote controller display turned off.)
Ⓐ TEST RUN and current operation mode are displayed.
③ Press the MODE (☼ △ ❄ ☼) button to activate COOL ☼ mode, then check whether cool air is blown out from the unit.
④ Press the MODE (☼ △ ❄ ☼) button to activate HEAT ☼ mode, then check whether warm air is blown out from the unit. (only H/P model)
⑤ Press the FAN button and check whether strong air is blown out from the unit.
⑥ Press the VANE button and check whether the auto vane operates properly.
⑦ Press the ON/OFF button to stop the test run.

NOTE : • Point the remote controller towards the indoor unit receiver while following steps ② to ⑦.
• It is not possible to run in FAN, DRY or AUTO mode.

6 Function Selection

This setting is available only for Mr. Slim model. CITY MULTI model can be set by dip switch of indoor/outdoor control circuit board. Refer to technical data of CITY MULTI model to set dip switch.

Each function can be set according to necessity using the remote controller.
The setting of function for each unit can only be done by the remote controller.
Select function available from the Table3. Function selection using wireless remote controller is available only for refrigerant system with wireless function. Refrigerant address cannot be specified by the wireless remote controller.
The article below describes how to set “LOSSNAY connectivity” into “supported (indoor unit is not equipped with outdoor-air intake)” in Table 3 as an example.



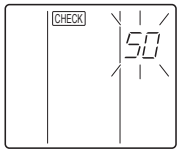
① Go to the function select mode
Press the CHECK button Ⓕ twice continuously.
(Start this operation from the status of remote controller display turned off.)
CHECK is lighted and “00” blinks.
Press the temp ▼ button Ⓒ once to set “50”. Direct the wireless remote controller toward the receiver of the indoor unit and press the h button Ⓐ.

② Setting the unit number
Press the temp ▼▲ button Ⓒ and Ⓓ to set the unit number “00”. Direct the wireless remote controller toward the receiver of the indoor unit and press the min button Ⓑ.

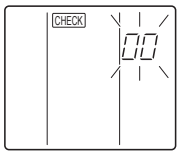
③ Selecting a mode
Enter “03” to change the LOSSNAY connectivity setting using the ▼ Ⓒ and ▲ Ⓓ buttons. Direct the wireless remote controller toward the receiver of the indoor unit and press the h button Ⓐ.
Current setting number: 1=1 beep (1 second)
2=2 beeps (1 second each)
3=3 beeps (1 second each)

※ If a mode number that can not be recognized by the unit is entered, 3 beeps (3 beeps of 0.4 seconds duration) will be heard.
Reenter the mode number selecting.

※ If the signal was not received by the sensor or an error occurred during transmission, you will not hear a beep or a “double beep” may be heard.
Press the h button again.

① 

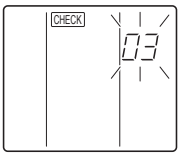
④ Selecting the setting number
Use the ▼Ⓒ and ▲Ⓓ buttons to change the LOSSNAY connectivity setting to “02”. Direct the wireless remote controller toward the sensor of the indoor unit and press the h button Ⓐ.
→ At this time, current setting number for selected mode number will be output by the interrupted buzzer sounds and the blinks of operation indicator.
Output : setting number = 1 → beep beep (0.4 second + 0.4 second) ×1
2 → beep beep (0.4 second + 0.4 second) ×2
3 → beep beep (0.4 second + 0.4 second) ×3

② 

※ If a setting number that can not be recognized by the unit is entered, 3 beeps (3 beeps of 0.4 seconds duration) will be heard (unit will beep only).
Reenter the setting number selecting.

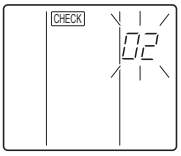
※ If the signal was not received by the sensor or an error occurred during transmission, you will not hear a beep or a “double beep” may be heard.
Press the h button again.

※ If the number that can not be set is input, the former setting number will be set.

③ 

⑤ To select multiple functions continuously
Repeat steps ③ and ④ to change multiple function settings continuously.

⑥ Complete function selection
Direct the wireless remote controller toward the sensor of the indoor unit and press the ON/OFF button Ⓔ.

④ 

NOTE : Whenever changes are made to the function settings after construction or maintenance, be sure to record the added functions with an “○”, in the “Check” column provided on the chart.

Other function selections
Now that you know how to change LOSSANY connectivity setting, there are several other settings that can be changed as well.
The following table lists the various settings that can be changed through the remote controller and the default settings.

Table 3.

Function	Settings	PCA-M·KA
Power failure automatic recovery	Not available	*1
	Available	*1
Indoor temperature detecting	Indoor unit operating average	○
	Set by indoor unit's remote controller	
	Remote controller's internal sensor	
LOSSNAY connectivity	Not supported	○
	Supported (indoor unit is not equipped with outdoor-air intake)	
	Not supported (indoor unit is not equipped with outdoor-air intake)	
Filter sign	100Hr	
	2500Hr	○
	No filter sign indicator	
Fan speed	Quiet	
	Standard	○
	High ceiling	
Up/down vane setting	No vanes	
	Equipped with vanes (No.1 set)	○
	Equipped with vanes (No.2 set)	

*1 Power failure automatic recovery initial setting depends on the connecting outdoor unit.

Things to remember when entering function selections:
The basic procedure for entering function selections is the same as described for switching between LOSSNAY connectivity. However, there are some differences at step ② for selecting the unit number, step ③ for selecting the mode number and step ④ for selecting the setting number.
The following Tables 4 and 5 list the various function settings, mode numbers and setting numbers.
Table 4 details the function of the entire refrigerant system while Table 5 shows the function that can be set for the indoor unit.

Table 4. Itemized functions of the entire refrigerant system (select unit number 00)

Mode	Settings	Mode No.	Setting No.	Check	Remarks
Power failure automatic recovery	Not available	01	1		
	Available (Approximately 4-minutes wait-period after power is restored.)		2		Approximately 4-minutes wait-period after power is restored.
Indoor temperature detecting	Indoor unit operating average	02	1		
	Set by indoor unit's remote controller		2		
	Remote controller's internal sensor		3		
LOSSNAY connectivity	Not supported	03	1		
	Supported (indoor unit is not equipped with outdoor-air intake)		2		
	Not supported (indoor unit is not equipped with outdoor-air intake)		3		

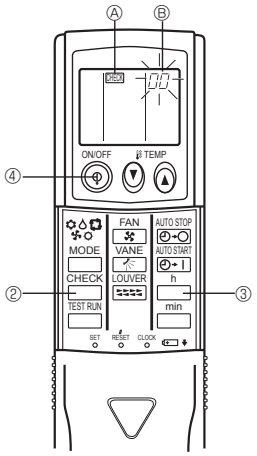
Table 5. Itemized functions of the indoor unit (select unit numbers 01 to 04 or 07)

Mode	Settings	Mode No.	Setting No.	Check	Remarks
Filter sign	100Hr	07	1		
	2500Hr		2		
	No filter sign indicator		3		
Fan speed	Quiet	08	1		
	standard		2		
	High ceiling		3		
Up/down vane setting	No vanes	11	1		
	Equipped with vanes (No.1 set)		2		
	Equipped with vanes (No.2 set)		3		

② Setting the unit numbers
Set "00" as the unit number when setting function from Table 4.
When setting function from Table 5.
- When setting function for an indoor unit in an independent system, set the unit number to 01.
- When setting function for a simultaneous-Twin Triple quadruple indoor unit system, assign unit numbers from 01 to 04 to each indoor unit.
- When setting the same functions for an entire simultaneous Twin Triple quadruple-indoor unit system, assign "07" as the unit number.

③ Selecting the mode number
Select from Table 4 and Table 5.
④ Selecting the setting number.

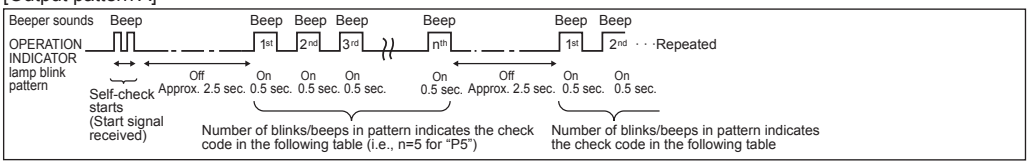
7 Self-Check



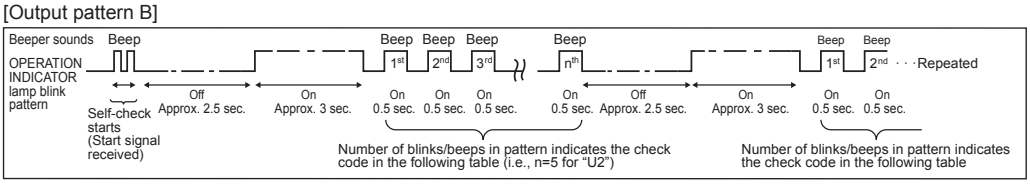
① Turn on the main power to the unit.
② Press the CHECK button twice continuously.
(Start this operation from the status of remote controller display turned off.)
Ⓐ CHECK begins to light.
Ⓑ "00" begins to blink.
③ While pointing the remote controller toward the unit's receiver, press the h button. The check code will be indicated by the number of times that the buzzer sounds from the receiver section and the number of blinks of the operation lamp.
④ Press the ON/OFF button to stop the self-check.

● Refer to the following tables for details on the check codes.

① Output pattern (Mr.Slim model / CITY MULTI model)
[Output pattern A]



[Output pattern B]



② Check code (Mr.Slim model)
[Output pattern A] Errors detected by indoor unit

Wireless remote controller	Wired remote controller	Symptom	Remarks
Beeper sounds/OPERATION INDICATOR lamp blinks (Number of times)	Check code		
1	P1	Intake sensor error	
2	P2, P9	Pipe (Liquid or 2-phase pipe) sensor error	
3	E6,E7	Indoor/outdoor unit communication error	
4	P4	Drain sensor error/Float switch connector open	
5	P5	Drain pump error	
6	P6	Freezing/Overheating safeguard operation	
7	EE	Communication error between indoor and outdoor units	
8	P8	Pipe temperature error	
9	E4	Remote controller signal receiving error	
10	–	–	
11	–	–	
12	Fb	Indoor unit control system error (memory error, etc.)	
No sound	E0, E3	Remote controller transmission error	
No sound	E1, E2	Remote controller control board error	
No sound	– – – –	No corresponding	

[Output pattern B] Errors detected by unit other than indoor unit (outdoor unit, etc.)

Wireless remote controller	Wired remote controller	Symptom	Remarks
Beeper sounds/OPERATION INDICATOR lamp blinks (Number of times)	Check code		
1	E9	Indoor/outdoor unit communication error (Transmitting error) (Outdoor unit)	For details, check the LED display of the outdoor controller board.
2	UP	Compressor overcurrent interruption	
3	U3,U4	Open/short of outdoor unit thermistors	
4	UF	Compressor overcurrent interruption (When compressor locked)	
5	U2	Abnormal high discharging temperature/ insufficient refrigerant	
6	U1,Ud	Abnormal high pressure (63H worked)/Overheating protection operation	
7	U5	Abnormal temperature of heat sink	
8	U8	– (Outdoor unit error)	
9	U6	Compressor overcurrent interruption/Abnormal of power module	
10	U7	Abnormality of super heat due to low discharge temperature	
11	U9,UH	Abnormality such as overvoltage or voltage shortage and abnormal synchronous signal to main circuit/Current sensor error	
12	–	–	
13	–	–	
14	Others	Other errors (Refer to the technical manual for the outdoor unit.)	

*1 If the beeper does not sound again after the initial 2 beeps to confirm the self-check start signal was received and the OPERATION INDICATOR lamp does not come on, there are no error records.
*2 If the beeper sounds 3 times continuously “beep, beep, beep (0.4 + 0.4 + 0.4 sec.)” after the initial 2 beeps to confirm the self-check start signal was received, the specified refrigerant address is incorrect.
• On wireless remote controller
The continuous buzzer sounds from receiving section of indoor unit.
Blink of operation lamp
• On wired remote controller
Check code display in the LCD.

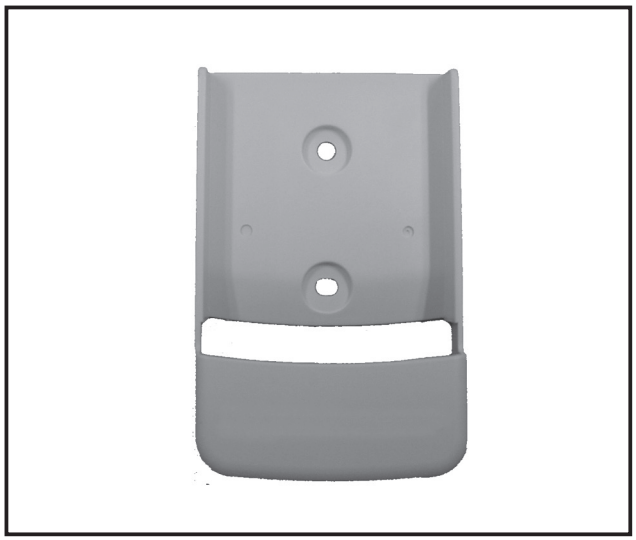
③ Check code (CITY MULTI model)
[Output pattern A] Errors detected by indoor unit or LOSSNAY unit
[Output pattern B] Errors detected by unit other than indoor unit (outdoor unit, etc.)

Wireless remote controller	Wired remote controller	Remarks
Beeper sounds/OPERATION INDICATOR lamp blinks (Number of times)	Check code	
1	1000 ~ 1999	
2	2000 ~ 2999	
3	3000 ~ 3999	
4	4000 ~ 4999	
5	5000 ~ 5999	
6	6000 ~ 6999	
7	7000 ~ 7999	
8	0000 ~ 0999	
9	8000 over	

*1 Refer to service handbook of outdoor unit for the detail.
*2 If the beeper does not sound again after the initial 2 beeps to confirm the self-check start signal was received and the OPERATION INDICATOR lamp does not come on, there are no error records.
*3 If the beeper sounds 3 times continuously “beep, beep, beep (0.4 + 0.4 + 0.4 sec.)” after the initial 2 beeps to confirm the self-check start signal was received, the specified address is incorrect.
• On wireless remote controller
The continuous buzzer sounds from receiving section of indoor unit.
Blink of operation lamp
• On wired remote controller
Check code display in the LCD.

Controller Holder for Wireless remote controller **MAC-1200RC**

Photo



Descriptions

- The controller holder allows you to place the remote controller on the wall.
- It helps to prevent the remote controller, from being misplaced.

Applicable Models

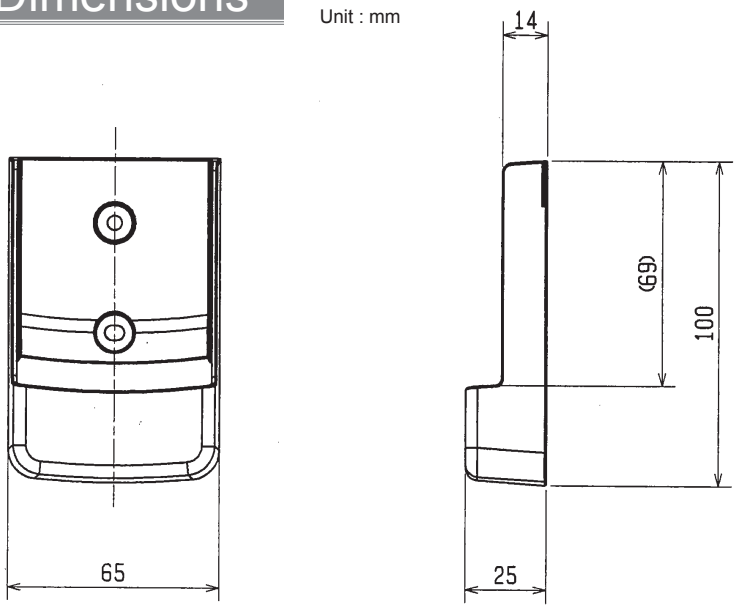
- MSZ-HJ25VA
- MSZ-HJ35VA
- MSZ-HJ50VA
- MSZ-HJ60VA
- MSZ-HJ71VA
- MSZ-HR25VF
- MSZ-HR35VF
- MSZ-HR42VF
- MSZ-HR50VF

Specifications

Material	Polystyrene
Color	White

Dimensions

Unit : mm



How to Use / How to Install

Installation area

1) Installation area

- Area in which the remote controller is not exposed to direct sunshine.
- Area in which there is no nearby heating source.
- Area in which the remote controller is not exposed to cold (or hot) winds.
- Area in which the remote controller can be operated easily.
- Area in which the remote controller is beyond the reach of children.

2) Installation method

① Attach the remote controller holder to the desired location using two tapping screws.

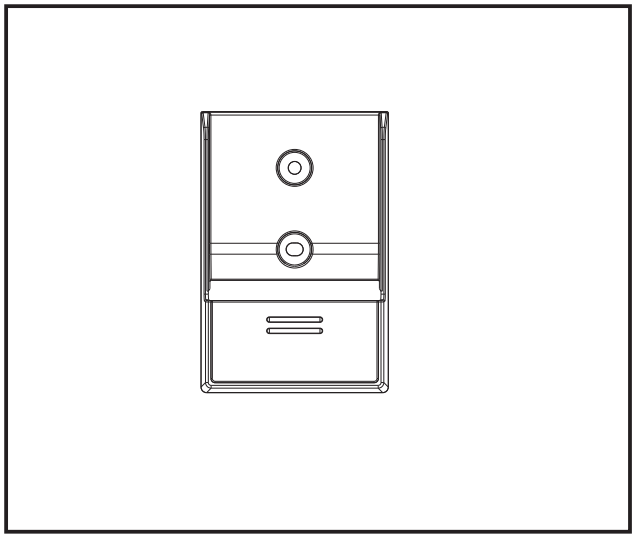
② Place the lower end of the controller into the holder.

Ⓐ Remote controller
Ⓑ Wall
Ⓒ Display panel
Ⓓ Receiver

- The signal can travel up to approximately 7 meters (in a straight line) within 45 degrees to both right and left of the center line of the receiver.

Controller Holder for Wireless remote controller **MAC-1300RC-E**

Figure



Descriptions

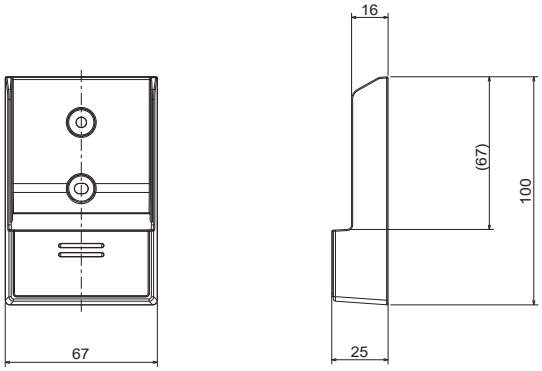
- The controller holder allows you to place the remote controller on the wall.
- It helps to prevent the remote controller, from being misplaced.

Applicable Models

- MSZ-LN18VG2W
- MSZ-LN25VG2W
- MSZ-LN35VG2W
- MSZ-LN50VG2W
- MSZ-LN60VG2W
- MSZ-FT25VG
- MSZ-FT35VG
- MSZ-FT50VG
- MSZ-AP15VG
- MSZ-AP20VG
- MSZ-AP25VG
- MSZ-AP35VG
- MSZ-AP42VG
- MSZ-AP50VG
- MSZ-AP60VG
- MSZ-AP71VG
- MSZ-EF18VG(W)(B)(S)
- MSZ-EF22VG(W)(B)(S)
- MSZ-EF25VG(W)(B)(S)
- MSZ-EF35VG(W)(B)(S)
- MSZ-EF42VG(W)(B)(S)
- MSZ-EF50VG(W)(B)(S)
- MSZ-FH25VE2
- MSZ-FH35VE2
- MSZ-FH50VE2
- MSZ-SF15VA
- MSZ-SF20VA
- MSZ-SF25VE3
- MSZ-SF35VE3
- MSZ-SF42VE3
- MSZ-SF50VE3
- MSZ-GF60VE2
- MSZ-GF71VE2
- MSZ-WN25VA
- MSZ-WN35VA
- MFZ-KJ25VE2
- MFZ-KJ35VE2
- MFZ-KJ50VE2
- MFZ-KT25VG
- MFZ-KT35VG
- MFZ-KT50VG
- MFZ-KT60VG
- MLZ-KP25VF
- MLZ-KP35VF
- MLZ-KP50VF

Dimensions

Unit : mm



Specifications

Material	Polystyrene
Color	White

How to Use / How to Install

Installation area

1) Installation area

- Area in which the remote controller is not exposed to direct sunshine.
- Area in which there is no nearby heating source.
- Area in which the remote controller is not exposed to cold (or hot) winds.
- Area in which the remote controller can be operated easily.
- Area in which the remote controller is beyond the reach of children.

2) Installation method

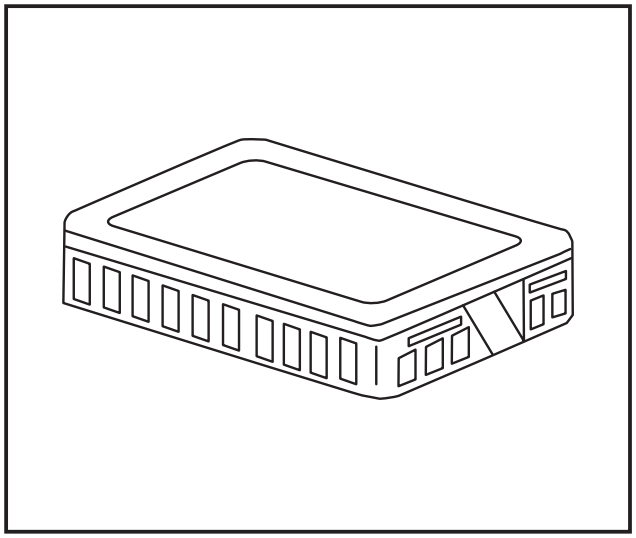
① Attach the remote controller holder to the desired location using two tapping screws.

② Place the lower end of the controller into the holder.

Ⓐ Remote controller
Ⓑ Wall
Ⓒ Display panel
Ⓓ Receiver

- The signal can travel up to approximately 7 meters (in a straight line) within 45 degrees to both right and left of the center line of the receiver.

Figure



Descriptions

Enables to pick up the room tempreture at the remote position.

Applicable Models

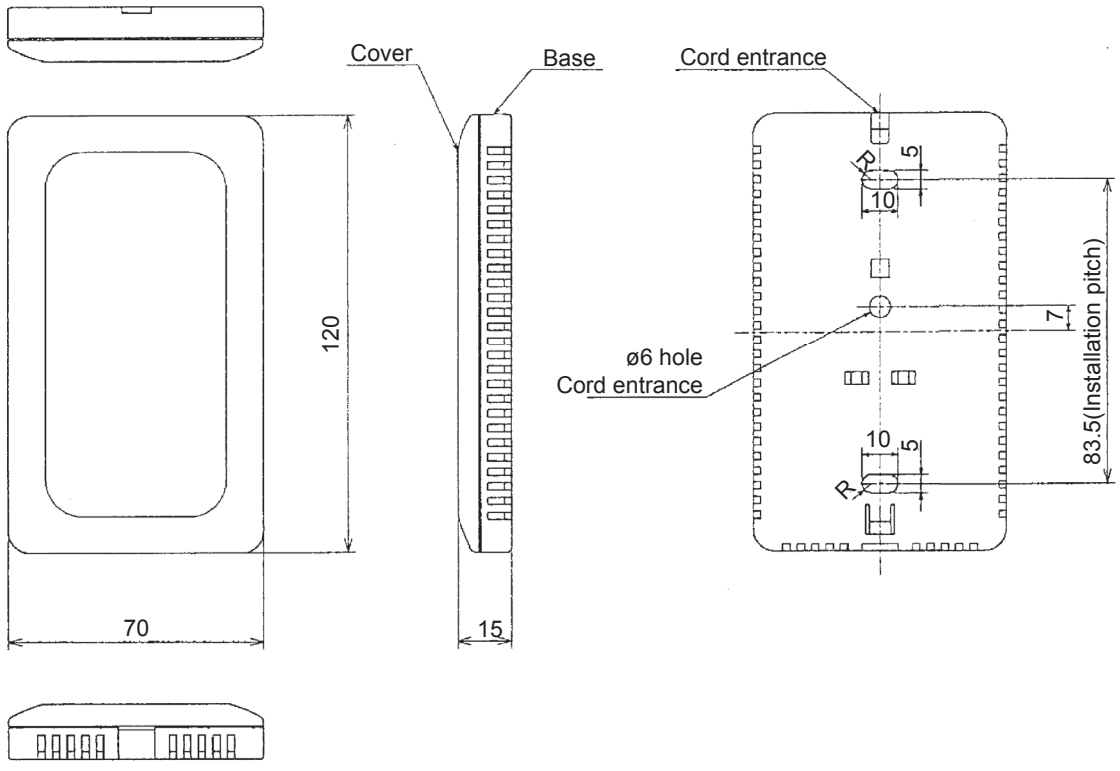
- S-series models
- P-series models

Specifications

External dimensions (mm)	120 (H) x 70 (W) x 15 (D)
Exterior	White gray (Munsell 4.48Y 7.92/0.66) Material: ABS resin
Operating conditions	Temperature: -20 to 65℃ Humidity: 30 to 90% RH (no condensation)
Installation method	Mounting on single-type switch box (JIS C8336) or directly mounting on wall
Accessory	2-wire cable (12m), Connector with post, Fixing screw (x2)
When combining with environmental measurement controller	
Temperature measuring range	-20 to 65℃
Measurement resolution	0.1℃ (10 to 35℃), 0.5℃ (other temperature ranges)

Dimensions

Unit : mm



How to Use / How to Install

1 How to Install

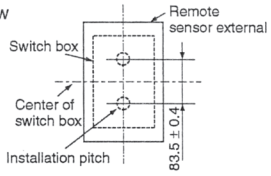
(1)Determine the installation of the remote sensor (switch box). The follwing items must be observed.

①Select a place where the remote sensor will detect an average temperature of the room, and where the sensor will not be subject to direct sunlight, heat sources, or the blow-off from the air conditioner, etc.

②Install the sensor within the length of the cable provided (12m). (The cable cannot be extented. If extented, it may cause misoperation due to noise.)

③The following parts must be procured at the site.

- •Cross-recessed pan head screw M4 .... Tow screws
- •Single switch box
- •Thin steel conduit
- •Lock nut, bushing



(2)Connect the wires.

•Connect the 2-core cable to the terminal block in the lower case. Peel the sheath of the 2-core cable as shown in Fig.1 , and correctly wire it as shown in Fig.2.

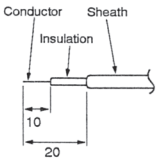


Fig.1

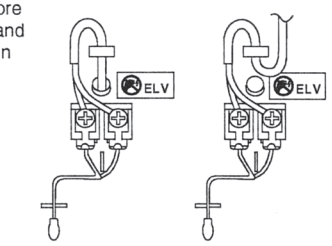


Fig.2

•The wiring connection of the indoor unit's electrical box and remote sensor is an shown in Fig.3. There are three methods of connecting the 2-core cable to the electrical box.

Exchange 2-core cable (connector 20)

①When using the connector attached to the end of the 2-core cable as it is.

②When cutting the connector attached to the end of the 2-core cable and connecting the cable to the terminal block in the I.B. (Indoor Board).

③When using the enclosed post for connection and convert cable.

The above three methods are used according to the indoor unit being used. If the 2-core cable is to be embedded in the wall, follow Fig.4.

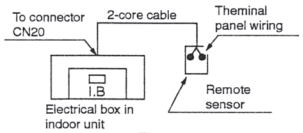


Fig.3

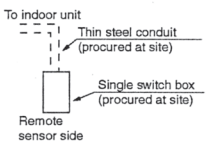
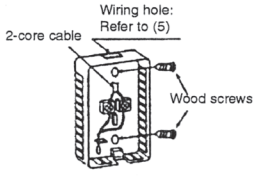


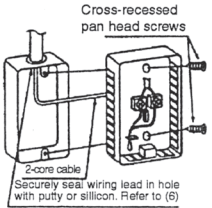
Fig.4

(3)Install the lower case on the wall or switch box.

NOTE The recommended tightening torque for installing the 2-core cable to the terminal block is 1.17N·m.



To install on wall



To install on switch box

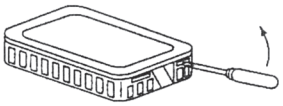
⚠CAUTION •If the screws are tightened too hard, the case may break or deform.
•Install the sensor on a flat wall. If installed on a bumpy wall, the case may break or trouble may occur.

(4)Fit the upper case.

Catch the two upper claws first, and fit the case as shown on the left.

⚠CAUTION •Securely fit the case until a catching sound is heard. It may drop off if is not fitted securely.

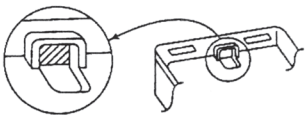
To remove the case, fit a flat-flap screwdriver into the claw section as shown below, and move the screwdriver in the direction of the arrow.



⚠CAUTION
•Do not turn the screwdriver when it is fit into the claw section as the claws may be broken.

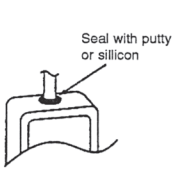
(5)Wiring hole for direction installation on wall, etc.

Cut the thin section (shaded section) of the lower case with a knife or pair of nippers, etc. The 2-core cable connected to the terminal block is led out from here.

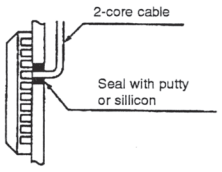


(6)Securely seal the wiring lead hole with putty or silicon to prevent dew, water drops, cockroaches and other insects from entering.

- •When installing directly on the wall, seal the section cut on the lower case with putty or silicon. If the wiring is to be passed through a hole in the wall (when leading the wiring from the rear of the remote sensor), seal the hole in the same manner.
- •When installing on a switch box, seal the connection of the switch box and conduit with putty or silicon.

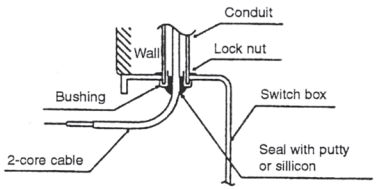


To lead wiring from top of remote sensor.



To lead wiring from rear of remote sensor.

To install directly on wall



To use switch box

2 Setting of indoor unit

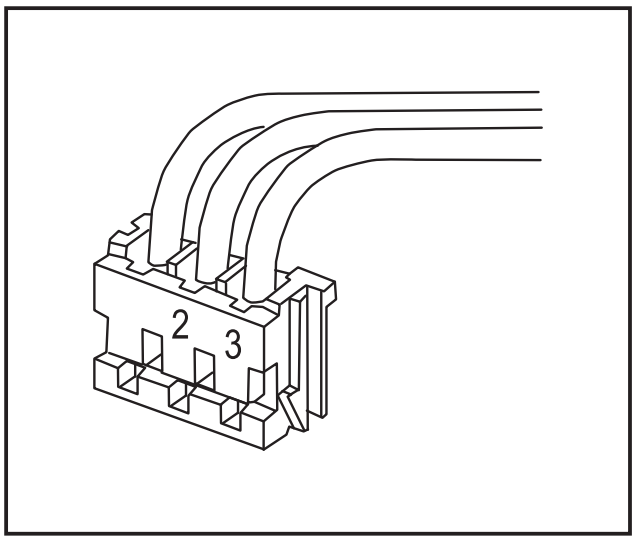
When the remote sensor is connected to the indoor unit and room temepature detection poisition is changed, reset the setting of "Set temp. 4-deg. up" in the heating mode as shown below.

① K control models	: DIP switch Nos 1-6 on the control PCB of the indoor unit.
② M-NET control models	: DIP switch Nos 3-8 on the control PCB of the indoor unit.
③ A control models	: Refer to A-control air-conditioners SERVICE TECHNICAL GUIDE.

Remote On/Off Adapter

PAC-SE55RA-E

Figure



Descriptions

- Operation other than ON/OFF (adjustment of temperature, fan speed, and air direction, for example) can be performed even when remote controller operation is prohibited.

Applicable Models

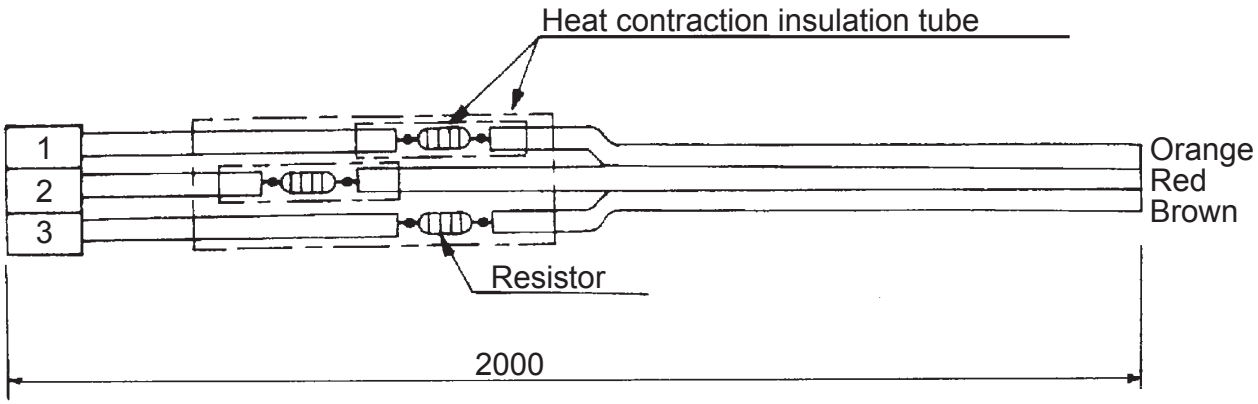
- S-series models
- P-series models

Specifications

Function	ON/OFF by external signal External signal ON (remote control disabled) / OFF (remote control enabled) switch able
Input signal	No-voltage contact (ON/OFF level signal)
Connector	3P (connected to CN32 on outdoor unit control board)
Cable type	3-wire cable, for extension: Sheathed vinyl cord or cable (0.5 to 1.25mm^2)
Cable length	2m (max. 10m when extended locally)

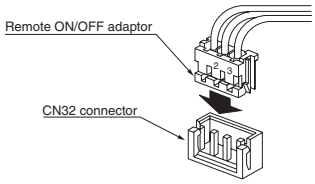
Dimensions

Unit : mm



How to Use / How to Install

1 Connecting to the Indoor Unit

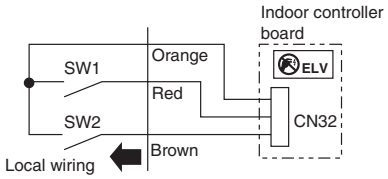


1. Connect to the connector CN32 on the indoor controller board.
2. Press the connector for the remote ON/OFF adaptor into the CN32 connector.
   The connector can only be connected in one direction only. Do not force the connection.

2 Locally Procured Wiring

With the remote ON/OFF adaptor, variations of connection method with the locally installed circuit will provide different types of operating configurations.

Example: External timer operation, remote control operation



1. Basic Connection Method

   SW1 - Operating switch
   Performs operation/stopping of indoor unit.

   SW2 - Selecting switch
   For selecting whether the operation/stopping is to be performed by external circuit or remote control.*
   * Also includes system controller (central controller).

2. Switch Settings (Refer to table at right for details.)

   SW2 - If on.
   - Operation/stopping cannot be controlled from remote controller.
     Other operations (such as temperature settings and changing fan speed) can be performed.
   - Operation/stopping can be performed by SW1.

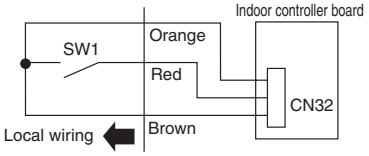
   SW2 - If off.
   - Operations can be performed from remote controller.
   - Operation/stopping cannot be performed by SW1.

		SW2	
		ON	OFF
Remote controller		Cannot perform operation/stopping	Can perform operation/stopping
SW1	ON	Operation	Cannot perform operation/stopping
	OFF	Stopping	

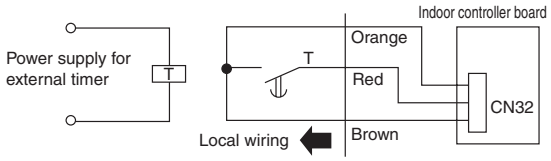
3 Examples of Usage

In either case, there is a 5 to 6 second delay from the time when the operating command is sent until the unit operates.

1. To perform operation/stopping by only remote operation or external timer and to prohibit operation/stopping by the remote controller, use the following circuits.

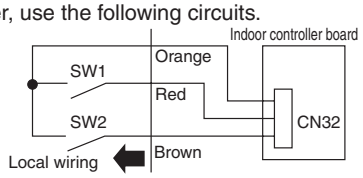


For remote operation

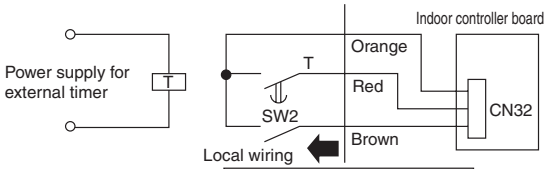


For remote timer operation

2. To perform operation/stopping by remote operation or external timer and allow operation/stopping by the remote controller, use the following circuits.

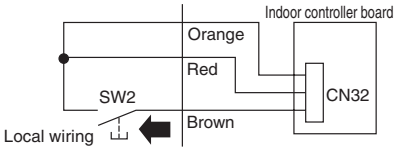


For remote operation



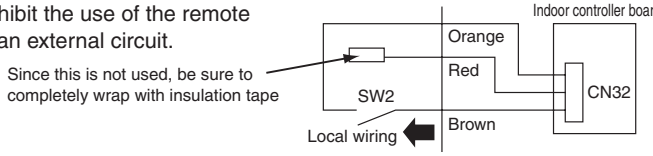
For remote timer operation

3. To start operation by remote operation and then freely use remote controller, use the following circuit.



Use a momentary switch (a switch that is turned on manually and turns off automatically) for SW2.
Press SW2 (for 1 second or more) and the operation starts. After this, the remote controller can be used for operations.

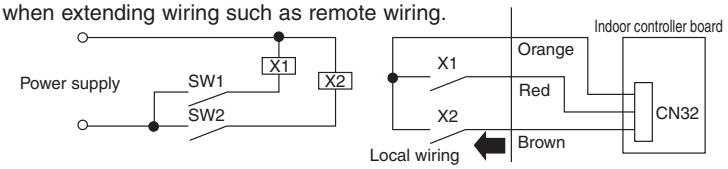
4. To permit/prohibit the use of the remote controller by an external circuit.



If SW2 is on, operation cannot be performed by the remote controller.
If SW2 is off, operation is permitted.

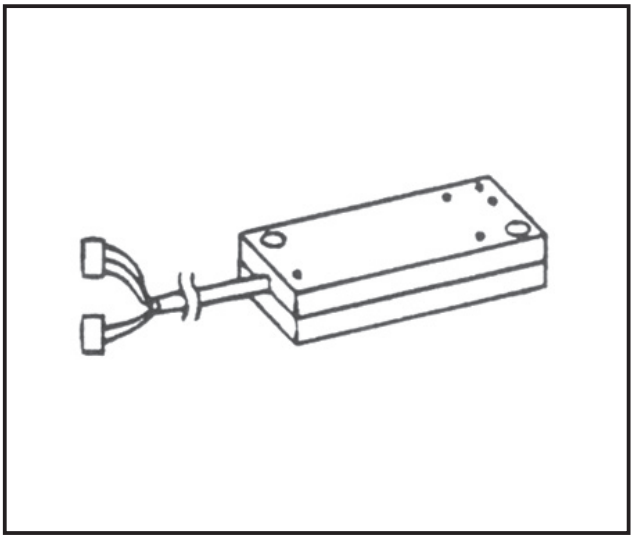
4 Wiring Restrictions

Keep the length of wire from the circuit board of the indoor unit within 10 meters. Excessive length could cause improper operation.
Use a transit relay when extending wiring such as remote wiring.



Remote Operation Adapter PAC-SF40RM-E

Figure



Descriptions

Extraction of non-voltage contact output.
*Use of optional [Remote Operation Adapter] and "remote display panel" Part to be provided at your site) provides non-voltage contact outputs of signals (operation, error) and operation/stop input function.
Unable to use with wireless remote controller. (except PKA-M·HAL/KAL)

Applicable Models

- S-series models
- P-series models

(Except PKA-M·HA(L), PKA-M·KA(L)

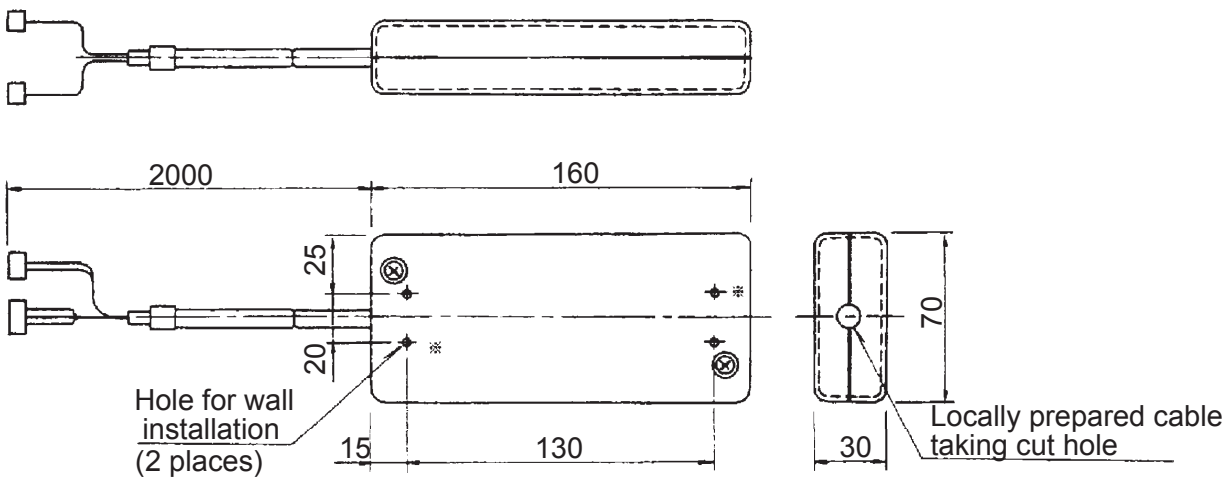
Specifications

Power		Supplied from indoor unit
External dimensions (mm)		160 x 70 x 30
Exterior		Material: ABS resin, Color: Gray (Munsell 3.07Y 6.16/0.33)
Weight		200g
Operating conditions		Indoor only Temperature: 0 to 40℃, Humidity: 35 to 85%RH (no condensation)
Connecting cable (indoor unit)		5-wire (3 + 2) cable with connector (9-pin, 4-pin)
Output signal		No-voltage "a" contact (relay contact method)
	Number of Contacts	2 (Operation / Alarm)
	Contact capacity	200V AC (30V DC)/1A or less
	Minimum load	10mA
Input signal		Pulse signal (instantaneous non-voltage "a" contact), pulse width: 200ms or more
	Number of Contacts	1 (start/stop)
Input/output signal cable (locally prepared)	Type	CV, CVS, or equivalent sheathed vinyl cord/cable
	Diameter	Twisted: 0.5 to 1.25mm2, Single: Φ0.65 to Φ1.2mm
	Distance	Output signal cable: Max. 100m Input signal cable: Max. 10m (Extension relay must be used when exceeding 10m)

* This kit cannot be used with a wireless remote controller.
Water leakage alarm will not be displayed if the unit is built into the ceiling (PDH)

Dimensions

Unit : mm

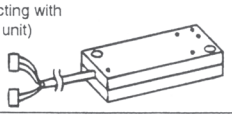
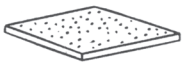


How to Use / How to Install

1 Confirming the Supplied Parts

(1) Parts Provided

Check that the box includes the following parts in addition to this installation manual.

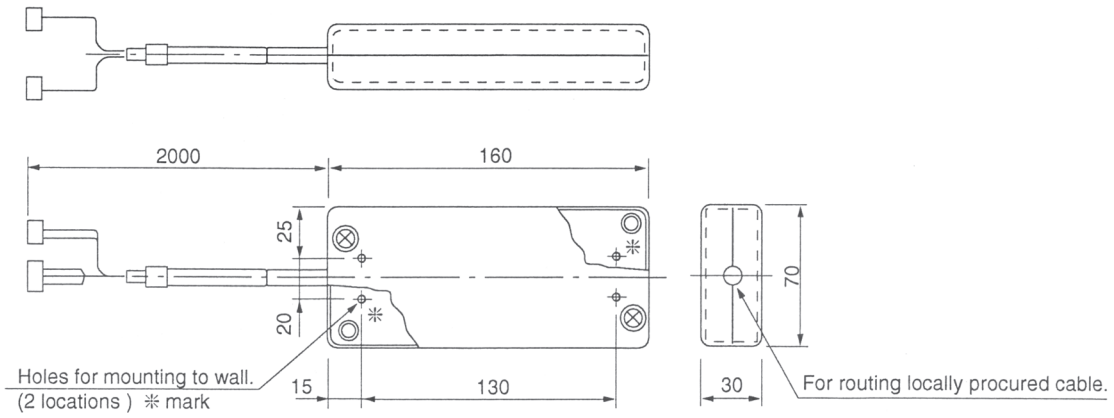
Parts	① Remote operation adaptor unit	② Cord clamp	③ Wall mount bracket
Shape	(with 2 meter wire for connecting with indoor unit) 	(Use this clamp if the local wiring is too thick to be held by the clamp inside the main unit.) 	
Quantity	1	1	1
Parts	④ Screws for mounting ③	⑤ Cushion material	⑥ Tie-wrap
Shape	 3.5 x 12 (Black)	(With adhesive on both sides.) 	(Use this for bundling lead wires.) 
Quantity	4	1	5
Parts	⑦ Cord clamp	⑧ Screws for mounting ⑦	⑨ Screws for mounting main unit
Shape		 3.5 x 12 (Black)	 3.5 x 12 (Black)
Quantity	5	5	2

(2) Locally Procured Parts

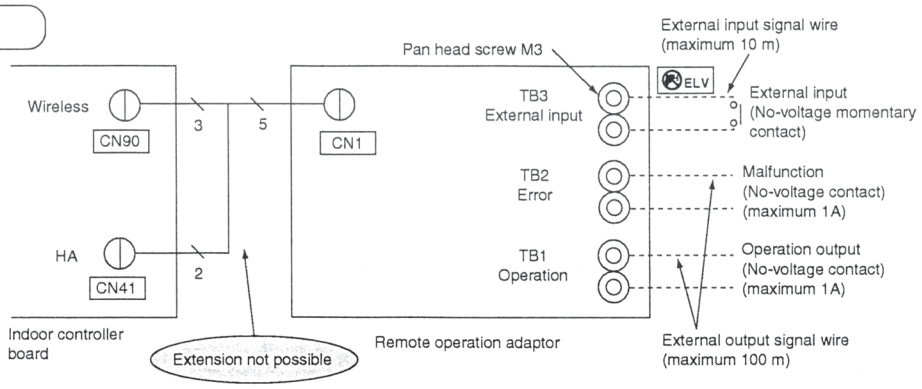
Note : Please keep LVD. LVD;Low Voltage Directive (EC Directive of Europe)
Apply some countermeasure for wiring and relay not to be touched from outside.
① Wiring should be covered by the insulation tube. ② Use relay with EU regulation.

Item	Part Name	Model & Specifications
External output function	External signal output wire	Use a vinyl cord with sheath or cable Electric wire type: CV, CVS or equivalent Electric wire size: 0.5 mm^2 to 1.25 mm^2 Single wire: ø0.65 mm to ø1.2 mm
	Display lamp, etc.	No-voltage contact AC 220 to 240 V (DC30V), 1A or less
External input function	External signal input wire	Use a vinyl cord with sheath or cable Electric wire type: CV, CVS or equivalent Electric wire size: 0.5 mm^2 To 1.25 mm^2 (Single wire: ø0.65 mm to ø1.2 mm)
	Switch	No-voltage momentary contact (Operation ⇄ Stop is switched by input of a pulse of 200 ms or more)

2 External Dimension Drawing



3 Wiring



⚠Caution

1) TB3 is a dedicated terminal for contact input. Do not apply voltage. Applying voltage will cause damage to the circuit board inside the for the indoor unit controller.
2) Always use the cable provided for connecting the unit to the indoor unit. Never make modifications to extend this cable. Extensions could cause the cable to be affected by external noise which could lead to mis-operation.
If an extension is needed, refer to specification chart in "6. Product Specifications" a follow it when extending the external signal wire.

<Connecting to the indoor unit>

① If external output functions are used ····· Insert the 9-electrode (3 core) side of the cable provided into CN90 on the controller circuit board for the indoor unit.

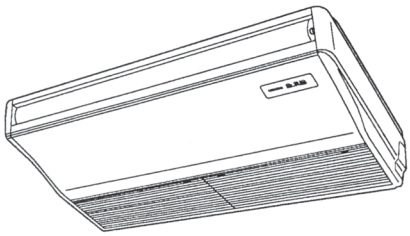
② If external input functions are used ····· Insert the 4-electrode (2 core)side of the cable provided into CN41 on the controller circuit board for the indoor unit.

※ The connector can only be inserted in one direction. Be sure to check that the connector is in the proper direction before inserting. Forcing the connector will cause damage.

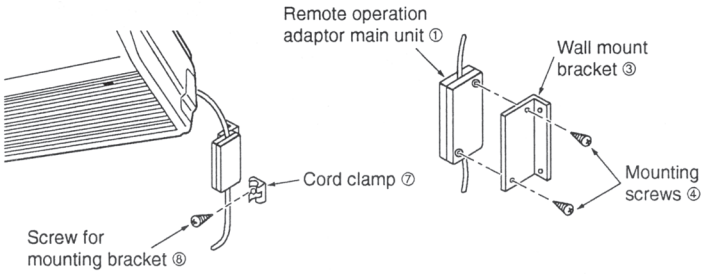
4 How to Install

There are three ways to mount the remote operation adaptor main unit: [A] Using mounting bracket, [B] Mounting directly, and [C] Using the cushion material.

(1) Installation Example (Suspended Type)



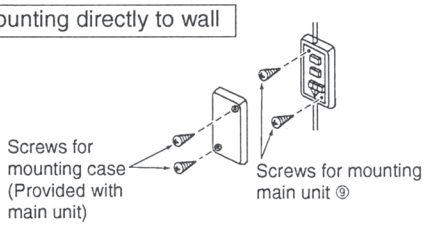
[A] Mounting to wall mounting bracket

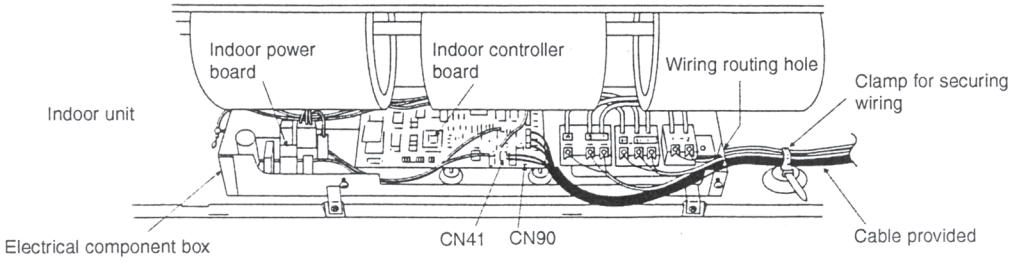


⚠Caution

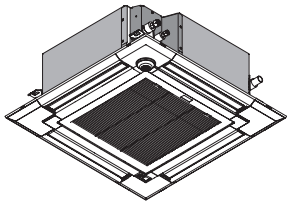
1) When mounting the remote operation adaptor main unit, be sure to use the mounting hardware to mount it to a wall or beam so that an inspection port is available for servicing.
2) If there is any loose remaining wire after installation, use a tie-wrap ⑥ to bundle it.

[B] Mounting directly to wall





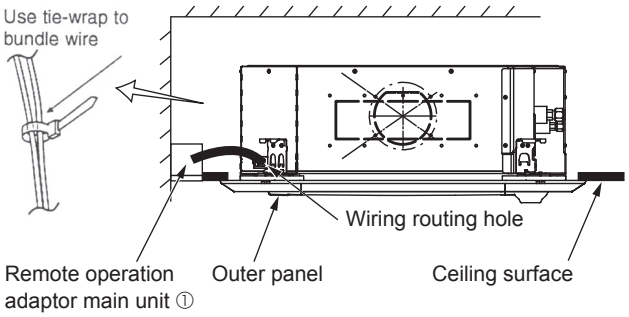
(2) Installation Example 2 [Cassette Type]



⚠Caution

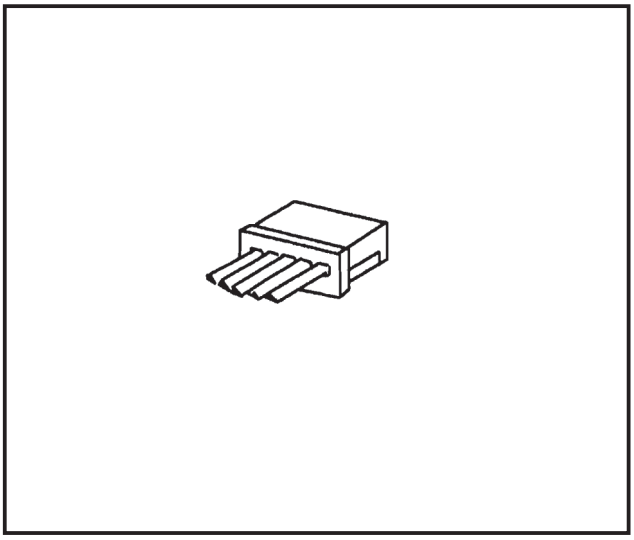
1) When mounting the remote operation adaptor main unit, be sure to use the mounting hardware to mount it to a wall or beam so that an inspection port is available for servicing.
2) If there is any loose remaining wire after installation, use a tie-wrap ⑥ to bundle it.

[A] If recess-mounted into ceiling



Connector Cable For Remote Display PAC-SA88HA-E

Figure



Descriptions

• This adapter enables control of several units with a multiple remote control display.

Applicable Models

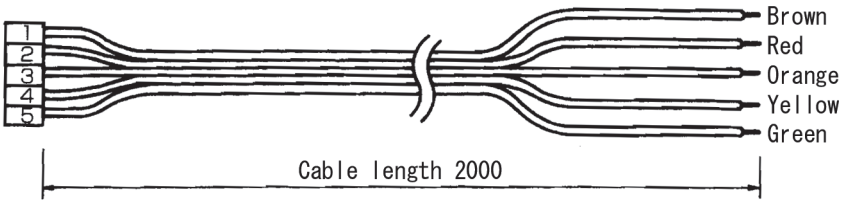
■ S-series models
■ P-series models

Specifications

Function	Connecting cable to output status signal of the air conditioner, and ON/OFF by external (pulse) signal.
Input signal	Pulse signal (no voltage instantaneous ON contact) Pulse duration 200m/s or more.
Connector	5P (connector to CN51 or CN52 on indoor unit control board)
Cable type	5-wire vinyl cable, for extension: sheathed vinyl cord or cable (0.5 to 1.25 mm²)
Cable length	2 m (max. 10 m when extended locally)
Output capacity)	DC12V 75 mA (Max 0.9W)

Dimensions

Unit : mm



How to Use / How to Install

1. Parts list

Make sure that the following items are included in the package.
Multiple Remote Controller Adapter 2 m (6-1/2 ft)
• PAC-SA88HA-E: 1 pc.

2. Connection to the Indoor Unit

Connect the connector of the Multiple Remote Controller Adapter to the connector CN51 or CN52 of the indoor unit control board as necessary.
The connector can only be connected in one direction. Do not force the connection.

3. Locally Procured Parts

All parts other than the Multiple Remote Controller Adapter are procured locally.
The items required will depend on the connection method. Refer to the example of use shown below.

(Example) ① Switch ..... Single pole, single action switch.

⚠CAUTION	Select a part with contacts for extremely low amperage. 5 or 12 VDC is used at the contact points for the switch so there is a load of only approximately 1 mA. Improper switch selection could cause improper operation.

② Relay ..... Use relays that meet the following specifications.
Operation coil
Rated voltage: 12 VDC
Power consumption: 0.9 W or less
* Use the diode that is recommended by the relay manufacturer at both ends of the relay coil.

③ Transit relay ..... When the wiring work as described in *6. Wiring Restrictions* is required, this relay is used.

④ Control cable ..... The length of the electrical wiring for the PAC-SA88HA-E is 2 meters (6-1/2 ft).
To extend this length, use sheathed 2-core cable. Don't extend the cable more than 10 meters (32 ft).
Control cable type: CVV, CVS, CPEV or equivalent
Cable size: 0.5 mm² ~ 1.25 mm² (16 to 22 AWG)

⚠CAUTION	**1. Wiring should be covered by insulation tube with supplementary insulation.** **2. Use relays or switches with IEC or equivalent standard.** **3. The electric strength between accessible parts and control circuit should have 2750 V or more.**

4. Locally Procured Wiring

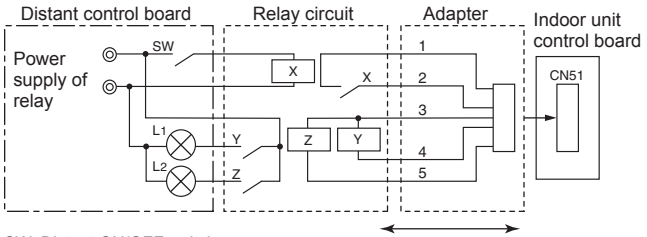
Basic connection methods for following models are shown below as examples.
For details, refer to the CITY MULTI DATA BOOK, Electrical Wiring Diagram etc.

Polarity (output terminal)

No.	Color	CN51	CN52
1	Brown		+
2	Red		-
3	Orange	+	-
4	Yellow	-	-
5	Green	-	

Indoor unit "-E" type input/output connector (CITY MULTI series)

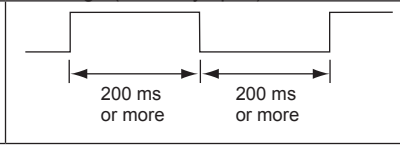
① Input (CN51)



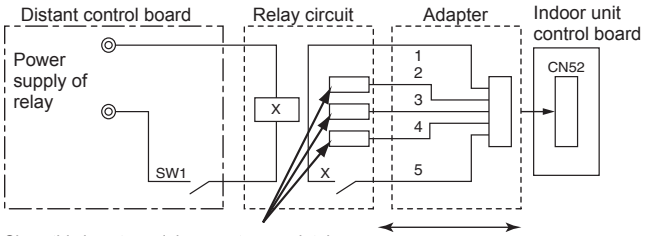
SW: Distant ON/OFF switch
L1: Status lamp
L2: Error lamp
X: Relay (a point of contact, fixed DC1 mA)
Y, Z: Relay Contact rating voltage ≥ 15 VDC
Contact rating current ≥ 0.1 A
Minimum applicable load ≤ DC1 mA

Maximum cable length is 10 m (32 ft.)
* Every time the SW is pushed (the pulse is inputted), it reacts against ON/OFF.

• ON/OFF (Pulse) input specification

Item	Description
Input signal	Pulse sign (Normally open)
Standard of pulse	

② Input (CN52)

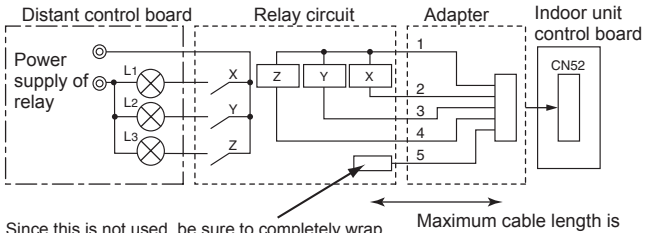


Since this is not used, be sure to completely wrap with insulation tape.
SW1: Demand switch
X: Relay (coil ≤ 0.9 W, 12 VDC)

SW1	Indoor unit
ON	Forced thermo-OFF
OFF	Normal running

Maximum cable length is 10 m (32 ft.)

③ Output (CN52)



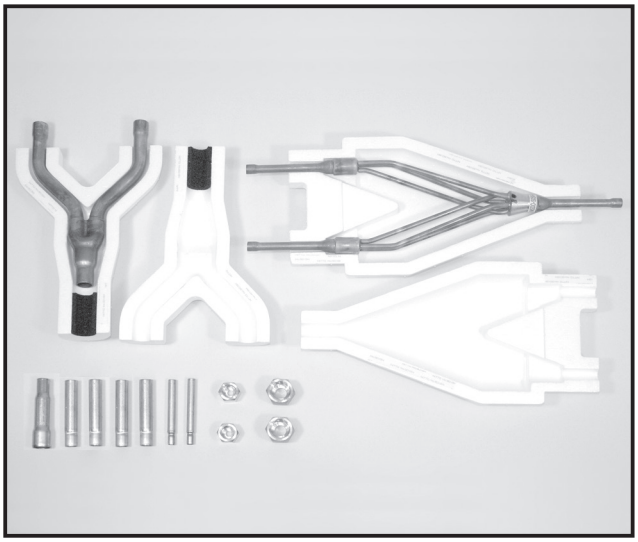
Since this is not used, be sure to completely wrap with insulation tape.
L1: Status lamp
Fan motor output (SW1-5 OFF)
Thermostat ON (SW1-5 ON)
L2: Cooling/Dry status lamp
L3: Heating status lamp
X, Y, Z: Relay (Coil with fixed 12 VDC, a power consumption of 0.9 W or less)

Maximum cable length is 10 m (32 ft.)

5. Wiring Restrictions

Keep the length of the cable connecting to the circuit board of the indoor unit shorter than 10 meters (32 ft).
Longer than 10 meters (32 ft) could cause improper operation.
Use a transit relay when extending wiring such as remote wiring.
When using a polarized relay (such as a relay with a diode), connect the relay in the correct polarity to avoid damage to the indoor unit circuit board.

Photo



Descriptions

Branch pipe for Multi-System Twin type Twin use. (50:50)

Applicable Models

- PUZ-ZM71VHA
- PUZ-ZM100,125,140VKA
- PUZ-ZM100,125,140YKA
- PUZ-M100,125,140VKA
- PUZ-M100,125,140YKA [R32 type]

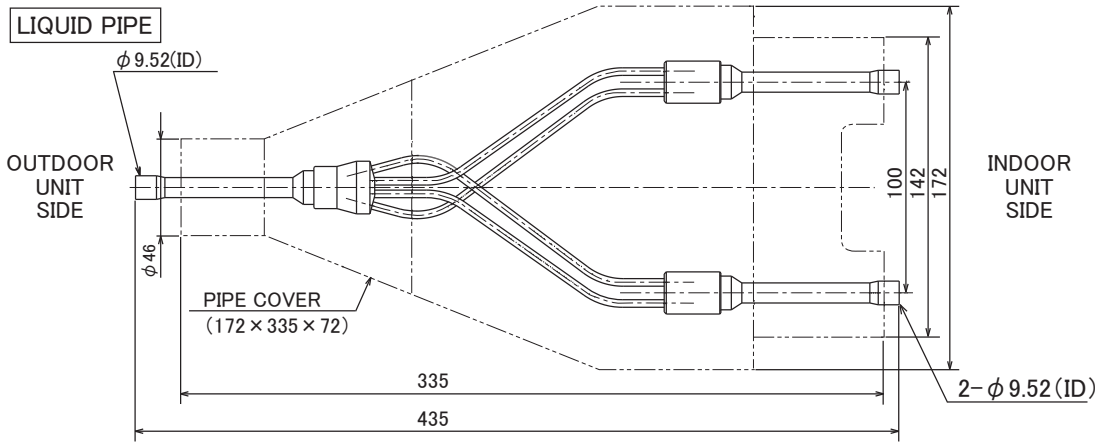
Specifications

Main body	Distribution ratio	Outdoor unit capacity is divided into two (50:50)
	Number of distribution pipes	1 each for liquid pipe and gas pipe
	Pipe material	Phosphate deoxidized copper C1220T-OL (JIS H3300)
Accessory	Pipe cover	Styrofoam molding (1 each for liquid pipe and gas pipe)
	Joint	7 joints (4 types)

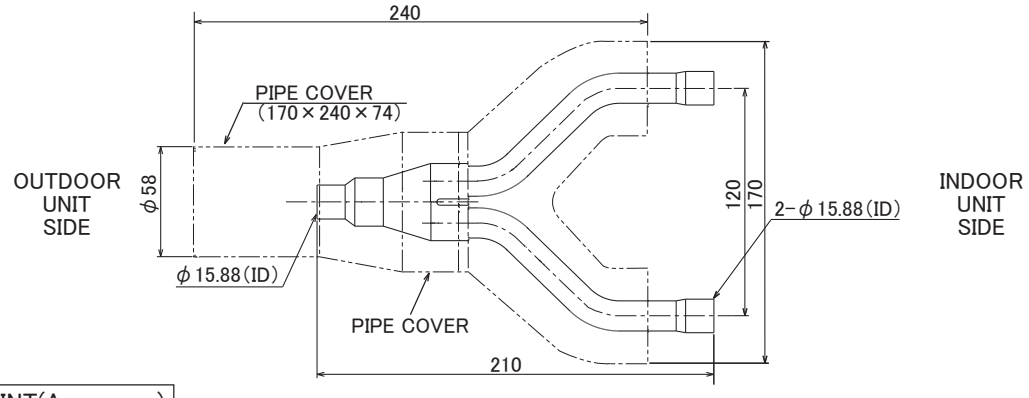
Dimensions

Unit: mm

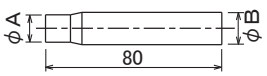
LIQUID PIPE



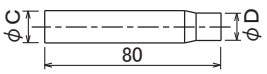
GAS PIPE



JOINT(Accessory)



ØA(ID)	ØB(OD)	Amount
6.35	9.52	2
9.52	15.88	2
12.7	15.88	2



ØC(ID)	ØD(OD)	Amount
19.05	15.88	1

How to Use / How to Install

Package Air-conditioner Optional Parts Instruction Sheet for Simultaneous Twin Distributing Pipe

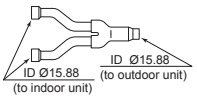
Make sure that you have all the following parts before installation.

① Instruction sheet	② Gas pipe	③ Liquid pipe	④ Pipe cover (for gas pipe)	⑤ Pipe cover (for liquid pipe)	⑥ Joint pipe	⑦ Flare nut
This sheet 1 sheet	1pc	1pc	1pc	1pc	Ⓐ φ9.52→ φ6.35·····2pcs Ⓑφ15.88→φ12.7·····2pcs Ⓒφ15.88→φ19.05·····1pc Ⓓφ15.88→φ9.52·····2pcs	1/4F····2pcs 1/2F····2pcs For R32 indoor unit.

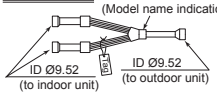
● See the following for the specifications of gas pipe ②, and liquid pipe ③,

■ MSDD-50TR2

② Gas pipe



③ Liquid pipe



※ Procure the following at local site in addition to the above
· Tape for heat insulator sealing
· Extended pipe for refrigerant pipe

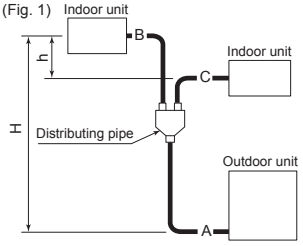
Pipe size and limit to refrigerant pipe

■For R32 power inverter (Table 1)

Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Height Difference (m)		Note 1
	Gas pipe side		Liquid pipe side		Indoor-Outdoor	A + B + C=	Indoor-Indoor	Indoor-Outdoor	Indoor-Indoor	Number of bends
	Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side						
ZM71	Ø15.88 (5/8)	M35, 50 Ø12.7(1/2)	Ø9.52 (3/8)	M35, 50 Ø6.35(1/4)	–	55m or less	| B – C | = 8m or less	H = 30m or less	h = 1m or less	15 or less
ZM100-140		M60, 71 Ø15.88(5/8)		M60, 71 Ø9.52(3/8)		100m or less				

Note 1: Limit the number of bends for refrigerant pipes to 8 in each of the < A + B> and < A + C> ranges.
※ See the installation manual provided with the main unit for details on chargeless pipe length and refrigerant additional charge amount.

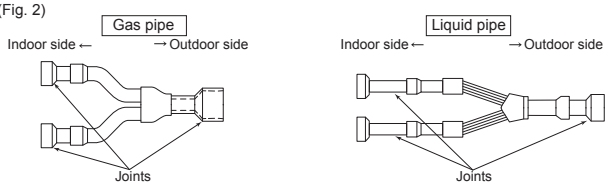
(Fig. 1)



Pipe connections

Combination pattern of indoor and outdoor units and joints to be used:

(Fig. 2)



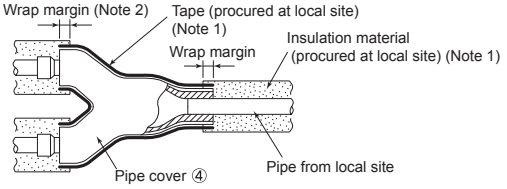
1. Perform work, taking care with the followings:
   - Be sure to check the combination pattern of indoor and outdoor units and joints to be used (Table 2).
   - Be sure to observe the limits to refrigerant pipe length and number of bends (Table 1).
   - Insert the refrigerant pipe (procured at local site) and joint ⑥ into the expanded pipe portions of distributing pipe (this product) until they stop, and then connect them using anti-oxidization soldering.
   - There is no restriction on the orientation of distributing pipe (this product)during installation.
   - Take care that no foreign object, such as dust, enters during pipe connecting work.
   - Remove the tag of liquid pipe ③after checking it.
2. Pipe connections
   - The provided joints ⑥ will be necessary depending on the capability of model used: See (Table 2), and connect the joints as shown in (Fig. 2).
   - Do not bend or widen the distributing pipe (liquid pipe).

■ For R32 power inverter <Table 2>

Outdoor unit	Indoor unit	Joint to be used
ZM71	35+35	ⒷOuter Ø15.88 – inner Ø12.7 [indoor gas pipe side], ⒶOuter Ø9.52 – inner Ø6.35 [indoor liquid pipe side]
ZM100	50+50	ⒷOuter Ø15.88 – inner Ø12.7 [indoor gas pipe side], ⒶOuter Ø9.52 – inner Ø6.35 [indoor liquid pipe side]
ZM125	60+60	No joint is necessary.
ZM140	71+71	

Note: Installation positions in brackets [ ].

Heat insulation work



Notes:
1. Cover the entire refrigerant pipe (procured at local site) with heat insulation material. When using generally available heat insulation material, heat-resistant insulation material (at least 12 mm thick).
2. Pipe covers ④ and ⑤ will shrink slightly at high temperatures: Provide wrap margins with insulation material.

- Fit gas pipe ② into pipe covers ④, and then seal the mated portion of pipe covers ④ using heat insulation seal tape (procured at local site).
- Process liquid pipe ③ in the same way.

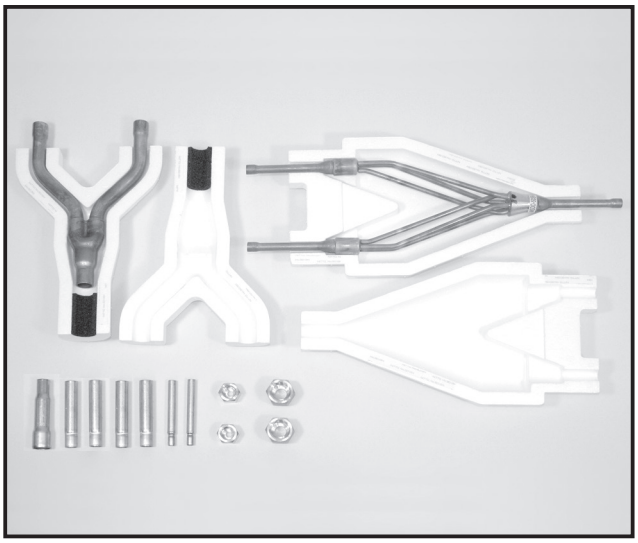
Please install contents other than this description on the main part of a product with an attached installation description, and use them as it.

Distribution Pipe

MSDD-50TR-E

* model change from MSDD-50SR-E

Photo



Descriptions

Branch pipe for Multi-System Twin type Twin use. (50:50)

Applicable Models

- PUHZ-ZRP71VHA2
- PUHZ-ZRP100,125,140VKA3
- PUHZ-ZRP100,125,140YKA3
- PUHZ-P100,125,140VKA
- PUHZ-P100,125,140YKA
- PUHZ-SHW112VHA
- PUHZ-SHW112,140YHA
  [R410A type]
  for Twin 50:50 use

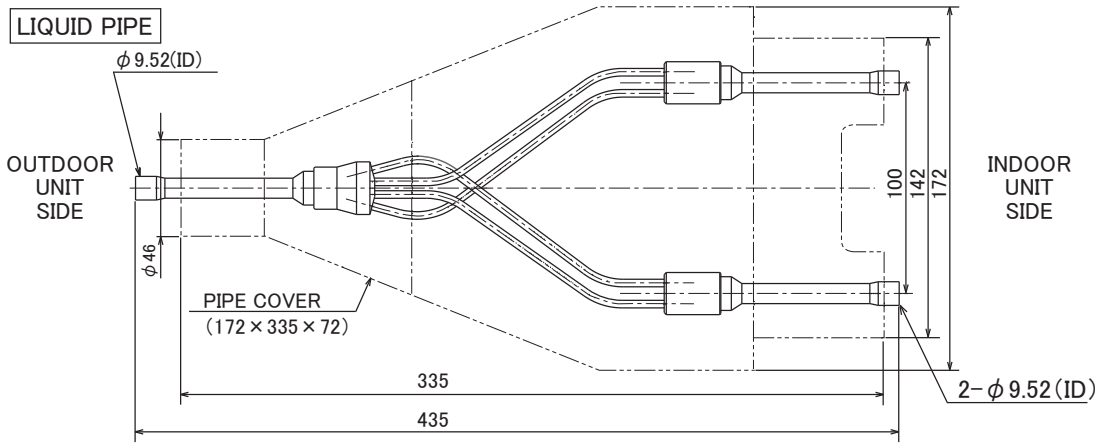
Specifications

Main body	Distribution ratio	Outdoor unit capacity is divided into two (50:50)
	Number of distribution pipes	1 each for liquid pipe and gas pipe
	Pipe material	Phosphate deoxidized copper C1220T-OL (JIS H3300)
Accessory	Pipe cover	Styrofoam molding (1 each for liquid pipe and gas pipe)
	Joint	7 joints (4 types)

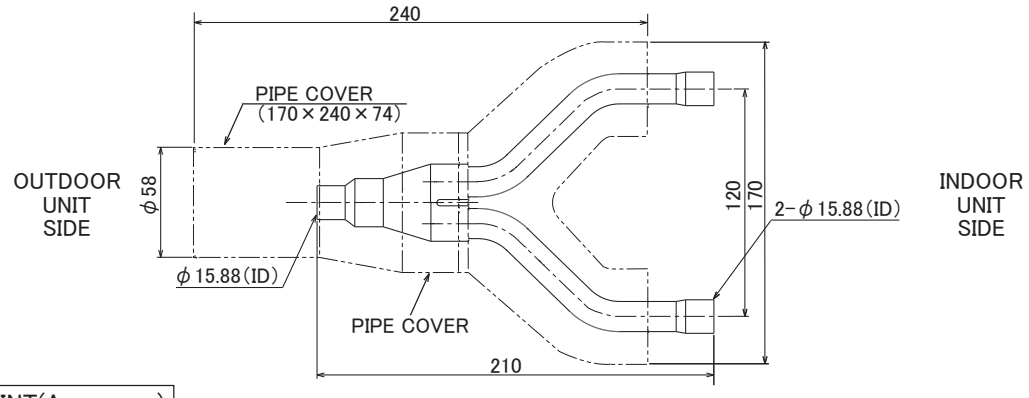
Dimensions

Unit: mm

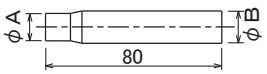
LIQUID PIPE



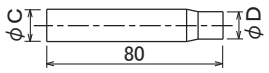
GAS PIPE



JOINT(Accessory)



ØA(ID)	ØB(OD)	Amount
6.35	9.52	2
9.52	15.88	2
12.7	15.88	2

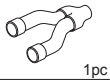
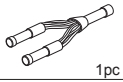


ØC(ID)	ØD(OD)	Amount
19.05	15.88	1

How to Use / How to Install

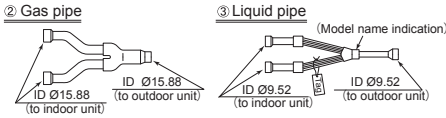
Package Air-conditioner Optional Parts Instruction Sheet for Simultaneous Twin Distributing Pipe

Make sure that you have all the following parts before installation.

① Instruction sheet	② Gas pipe	③ Liquid pipe	④ Pipe cover (for gas pipe)	⑤ Pipe cover (for liquid pipe)	⑥ Joint pipe	⑦Flare nut
 This sheet 1 sheet	 1pc	 1pc	 1pc	 1pc	 Ⓐ φ9.52→ φ6.35·····2pcs Ⓑφ15.88→φ12.7·····2pcs Ⓒφ15.88→φ19.05·····1pc Ⓓφ15.88→φ9.52·····2pcs	 1/4F····2pcs 1/2F····2pcs For R410A indoor unit.

● See the following for the specifications of gas pipe ② ,and liquid pipe ③ ,

■ MSDD-50TR



※ Procure the following at local site in addition to the above
- Tape for heat insulator sealing
- Extended pipe for refrigerant pipe

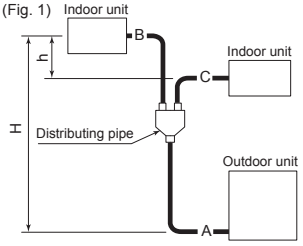
Pipe size and limit to refrigerant pipe

■For R410A (Table 1)

Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Height Difference (m)		Note 1 Number of bends
	Gas pipe side		Liquid pipe side		Indoor-Outdoor	A＋B＋C＝	Indoor-Indoor	Indoor-Outdoor	Indoor-Indoor	
	Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side						
71(3Hp)	Ø15.88 (5/8)	35, 50 Ø9.52(3/8) Ø12.7(1/2) 60,71 Ø15.88(5/8)	Ø9.52 (3/8)	35, 50 Ø6.35(1/4) 60,71 Ø9.52(3/8)	—	50m or less	| B−C | = 8m or less	H = 30m or less	h = 1m or less	15 or less
100,125,140 (4,5,6Hp)						75m or less				

Note 1: Limit the number of bends for refrigerant pipes to 8 in each of the 〈A＋B〉 and 〈A＋C〉 ranges.
※ See the installation manual provided with the main unit for details on chargeless pipe length and refrigerant additional charge amount.

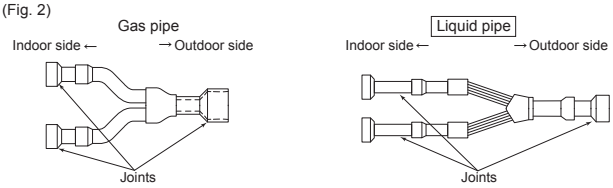
(Fig. 1)



Pipe connections

Combination pattern of indoor and outdoor units and joints to be used:

(Fig. 2)



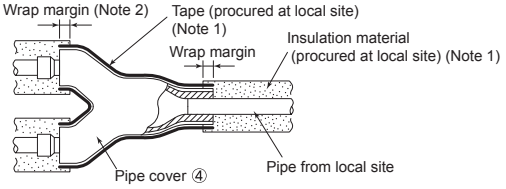
1. Perform work, taking care with the followings:
   - Be sure to check the combination pattern of indoor and outdoor units and joints to be used (Table 2).
   - Be sure to observe the limits to refrigerant pipe length and number of bends (Table 1).
   - Insert the refrigerant pipe (procured at local site) and joint ⑥ into the expanded pipe portions of distributing pipe (this product) until they stop, and then connect them using anti-oxidization soldering.
   - There is no restriction on the orientation of distributing pipe (this product)during installation.
   - Take care that no foreign object, such as dust, enters during pipe connecting work.
   - Remove the tag of liquid pipe ③ after checking it.
2. Pipe connections
   - The provided joints ⑥ will be necessary depending on the capability of model used: See (Table 2), and connect the joints as shown in (Fig. 2).
   - Do not bend or widen the distributing pipe (liquid pipe).

■ For R410A (Table 2)

Outdoor unit	Indoor unit	Joint to be used
71(3Hp)	35+35 (1.6+1.6)	ⒷOuter Ø15.88－inner Ø12.7 [indoor gas pipe side], ⒶOuter Ø9.52－inner Ø6.35 [indoor liquid pipe side]
		ⒹOuter Ø15.88－inner Ø9.52 [indoor gas pipe side], ⒶOuter Ø9.52－inner Ø6.35 [indoor liquid pipe side]
100(4Hp)	50+50 (2+2)	ⒷOuter Ø15.88－inner Ø12.7 [indoor gas pipe side], ⒶOuter Ø9.52－inner Ø6.35 [indoor liquid pipe side]
125(5Hp)	60+60 (2.5+2.5)	No joint is necessary.
140(6Hp)	71+71 (3+3)	

※ Installation positions in brackets ( ).

Heat insulation work

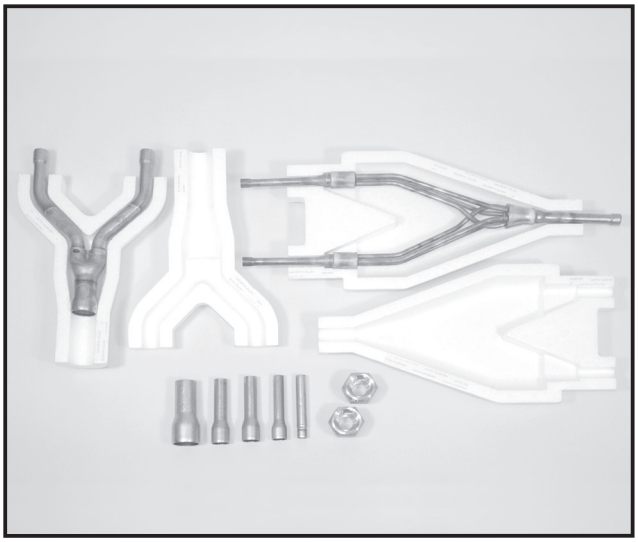


Notes:
1. Cover the entire refrigerant pipe (procured at local site) with heat insulation material. When using generally available heat insulation material, heat-resistant insulation material (at least 12 mm thick).
2. Pipe covers ④ and ⑤ will shrink slightly at high temperatures: Provide wrap margins with insulation material.

- Fit gas pipe ② into pipe covers ④, and then seal the mated portion of pipe covers ④ using heat insulation seal tape (procured at local site).
- Process liquid pipe ③ in the same way.

Please install contents other than this description on the main part of a product with an attached installation description, and use them as it.

Photo



Descriptions

Branch pipe for Multi-System Twin type Twin use. (50:50)

Applicable Models

■ PUHZ-ZRP200,250YKA3
■ PUHZ-P200,250YKA3

for Twin 50:50 use

[R410A type]

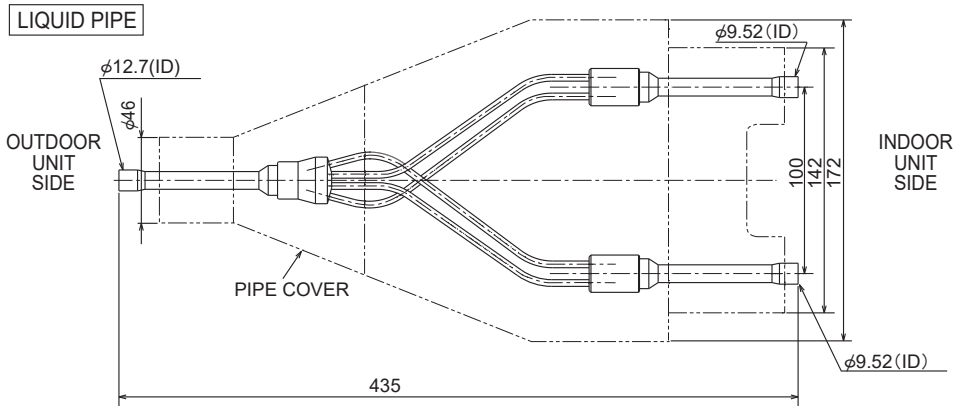
Specifications

Main body	Distribution ratio	Outdoor unit capacity is divided into two (50:50)
	Number of distribution pipes	1 each for liquid pipe and gas pipe
	Pipe material	Phosphate deoxidized copper C1220T-OL (JIS H3300)
Accessory	Pipe cover	Styrofoam molding (for liquid pipe and gas pipe)
	Joint	5 joints (4 types)

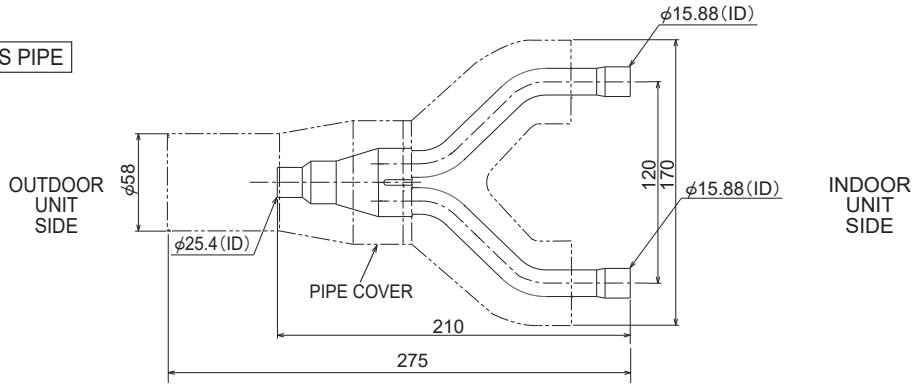
Dimensions

Unit: mm

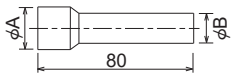
LIQUID PIPE



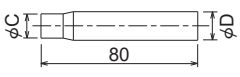
GAS PIPE



JOINT(Accessory)



ØA(ID)	ØB(OD)	Amount
28.6	25.4	1
15.88	12.7	1
19.05	15.88	2

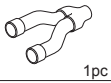
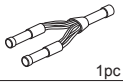


ØC(ID)	ØD(OD)	Amount
9.52	12.7	1

How to Use / How to Install

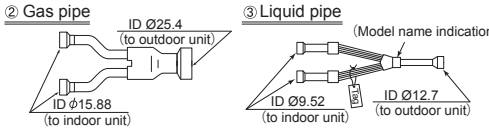
Package Air-conditioner Optional Parts Instruction Sheet for Simultaneous Twin Distributing Pipe

Make sure that you have all the following parts in packing box before installation.

① Instruction sheet	② Gas pipe	③ Liquid pipe	④ Pipe cover (for gas pipe)	⑤ Pipe cover (for liquid pipe)	⑥ Joint pipe	⑦ Flare nut
 This sheet 1 sheet	 1pc	 1pc	 1pc	 1pc	 Ø12.7→Ø 9.52 ····· 1pc Ø12.7→Ø 15.88 ····· 1pc Ø15.88→Ø19.05 ····· 2pcs Ø25.4→Ø28.6 ····· 1pc	 5/8F····2pcs For R410A indoor unit.

● See the following for the specifications of gas pipe ② ,and liquid pipe ③ ,

■ MSDD-50WR



※ Procure the following at local site in addition to the above
- Tape for heat insulator seal
- Extended pipe for refrigerant pipe

Pipe size and limit to refrigerant pipe

■For R407C fixed speed models (Table 1-1)

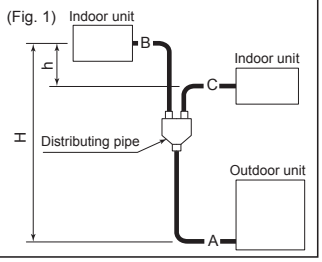
Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Height Difference (m)		Note 1 Number of bends
	Gas pipe side		Liquid pipe side		Indoor-Outdoor	A+B+C=	Indoor-Indoor	Indoor-Outdoor	Indoor-Indoor	
	Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side						
200(8Hp)	ϕ25.4 (1)	Ø19.05 (3/4)	Ø12.7 (1/2)	Ø9.52 (3/8)	A + B = A + C = 50m or less	70m or less	| B−C | = 8m or less	H = 40m or less	h = 1m or less	15 or less
250(10Hp)	ϕ28.6 (1-1/8)									

■For R410A Power Inverter models (Table 1-2)

Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Height Difference (m)		Note 1 Number of bends
	Gas pipe side		Liquid pipe side		Indoor-Outdoor	A+B+C=	Indoor-Indoor	Indoor-Outdoor	Indoor-Indoor	
	Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side						
200(8Hp)	Ø25.4 (1)	Ø15.88(5/8)	Ø9.52 (3/8)	Ø9.52(3/8)	A + B = A + C = 80m or less	100 m or less (ZRP200/250) 70 m or less (P200/250)	| B−C | = 8m or less	H = 30m or less	h = 1m or less	15 or less
250(10Hp)	Ø25.4 (1) Ø28.6 (1-1/8)		Ø12.7 (1/2)							

Note 1: Limit the number of bends for refrigerant pipes to 8 in each of the 〈A+B〉 and 〈A+C〉 ranges.
※See the installation manual provided with the main unit for details on chargeless pipe length and refrigerant additional charge amount.

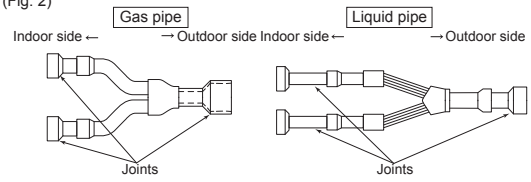
(Fig. 1)



Pipe connections

Combination pattern of indoor and outdoor units and joints to be used:

(Fig. 2)



1. Perform work, taking care with the followings:
   - Be sure to check the combination pattern of indoor and outdoor units and joints to be used (Table 2-1, 2-2).
   - Be sure to observe the limits to refrigerant pipe length and number of bends (Table 1-1, 1-2).
   - Insert the refrigerant pipe (procured at local site) and joint ⑥ into the expanded pipe portions of distributing pipe (this product) until they stop, and then connect them using anti-oxidization soldering.
   - There is no restriction on the orientation of distributing pipe (this product)during installation.
   - Take care that no foreign object, such as dust, enters during pipe connecting work.
   - Remove the tag of liquid pipe ③ after checking it.
2. Pipe connections
   - The provided joints ⑥ will be necessary depending on the capability of model used: See (Table 2), and connect the joints as shown in (Fig. 2-1, 2-2).
   - Do not bend or widen the distributing pipe (liquid pipe).

■For R407C fixed speed (Table 2-1)

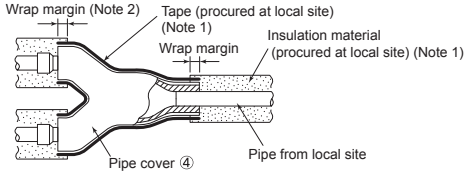
Outdoor unit	Indoor unit	Joint to be used
200(8Hp)	100+100 (4+4)	Outer Ø15.88−inner Ø19.05 [indoor gas pipe side]
250(10Hp)	125+125 (5+5)	Outer Ø25.4−inner Ø28.6 [outdoor gas pipe side]

※Installation positions in brackets ( ).

■ For R410A Power Inverter (Table 2-2)

Outdoor unit	Indoor unit	Joint to be used
200(8Hp)	100+100 (4+4)	Outer Ø12.7−inner Ø9.52 [outdoor liquid pipe side]
250(10Hp)	125+125 (5+5)	HA:Outer Ø25.4−inner Ø28.6 [outdoor gas pipe side] HA2,KA:No joint necessary

Heat insulation work

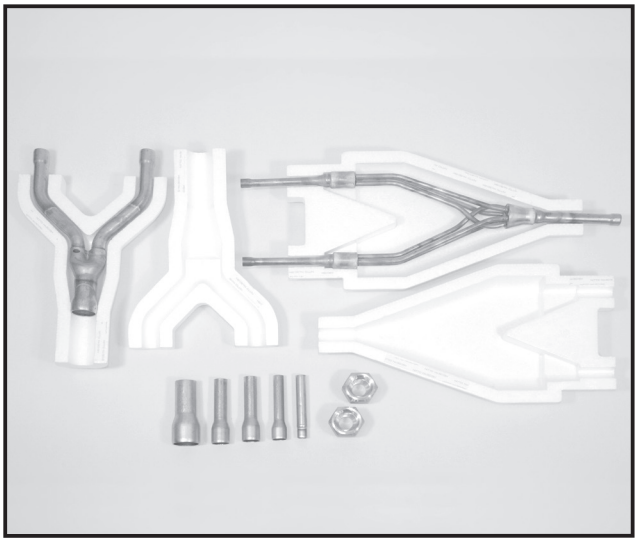


Notes:
1. Cover the entire refrigerant pipe (procured at local site) with heat insulation material. When using generally available heat insulation material, heat-resistant
2. insulation material (at least 12 mm thick).
   Pipe covers ④ and ⑤ will shrink slightly at high temperatures: Provide wrap margins with insulation material.

- Fit gas pipe ② into pipe covers ④, and then seal the mated portion of pipe covers ④ using heat insulation seal tape (procured at local site).
- Process liquid pipe ③ in the same way.

Please install contents other than this description on the main part of a product with an attached installation description, and use them as it.

Photo



Descriptions

Branch pipe for Multi-System Twin type Twin use. (50:50)

Applicable Models

■ PUZ-ZM200,250YKA
■ PUZ-M200,250YKA

for Twin 50:50 use

[R32 type]

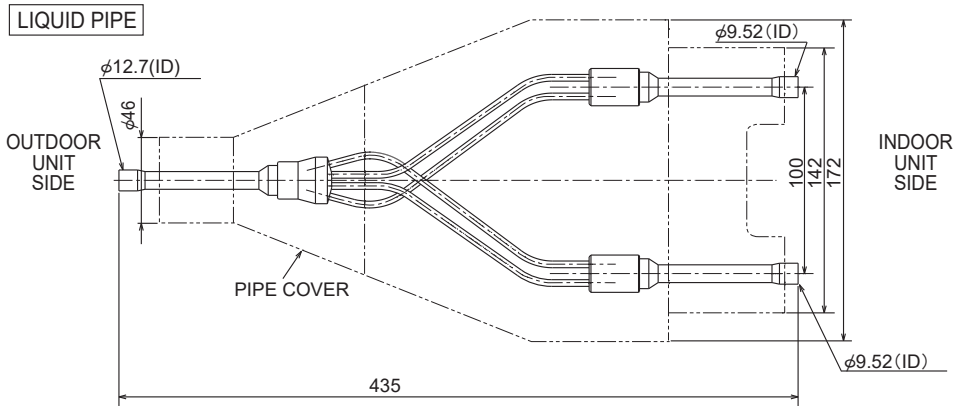
Specifications

Main body	Distribution ratio	Outdoor unit capacity is divided into two (50:50)
	Number of distribution pipes	1 each for liquid pipe and gas pipe
	Pipe material	Phosphate deoxidized copper C1220T-OL (JIS H3300)
Accessory	Pipe cover	Styrofoam molding (for liquid pipe and gas pipe)
	Joint	5 joints (4 types)

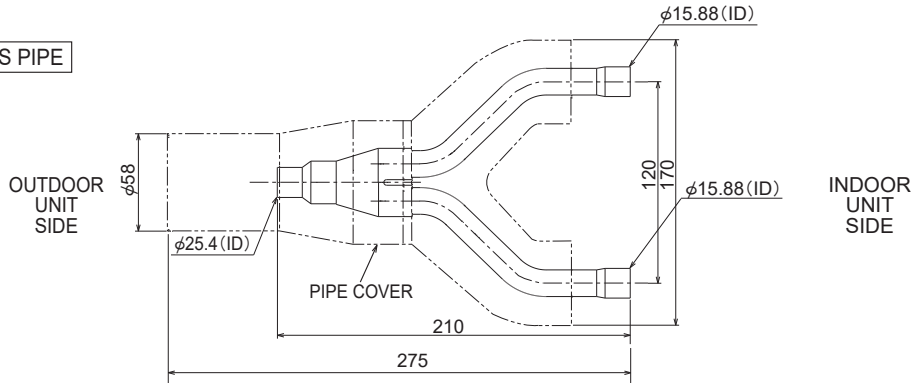
Dimensions

Unit: mm

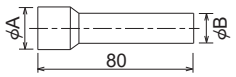
LIQUID PIPE



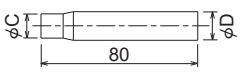
GAS PIPE



JOINT(Accessory)



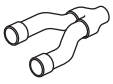
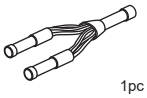
ØA(ID)	ØB(OD)	Amount
28.6	25.4	1
15.88	12.7	1
19.05	15.88	2



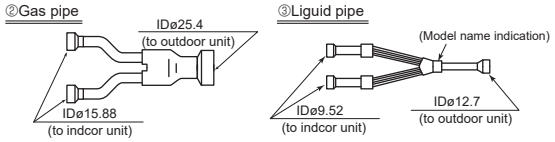
ØC(ID)	ØD(OD)	Amount
9.52	12.7	1

How to Use / How to Install

1 Make sure that you have all the following parts in packing box before installation.

①Instruction sheet	②Gas pipe	③Liquid pipe	④Pipe cover (for gas pipe)	⑤Pipe cover (for liquid pipe)	⑥Joint pipe	⑦Flare nut
 1 sheet	 1pc	 1pc	 1pc	 1pc	 Ⓓ ø12.7→ø9.52 • • • 1pc Ⓔ ø12.7→ø15.88 • • 1pc Ⓕ ø15.88→ø19.05• •2pcs Ⓖ ø25.4→ø28.6 • • • 1pc	 Ⓒ5/8F• • •2pcs For R32 indoor unit.

• See the following for the specifications of gas pipe ②,and liquid pipe ③.



Note:
The following items must be obtained locally in addition to the packed parts.
ⓐ Heat insulating seallng tape
ⓑ Extension pipe for refrigerant pipe

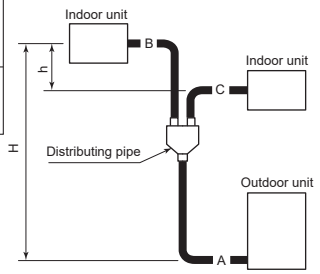
2 Pipe size and limit to refrigerant pipe

■For R32 power inverter <Table 1>

Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Difference of elevation (m)		Note 1 Number of bends
	Gas pipe side		Liquid pipe side		Indoor-Outdoor	A+B+C=	Indoor-Indoor	Indoor-Outdoor	Indoor-Indoor	
	Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side						
200	ø25.4 <1>	35, 50 ø12.7<1/2> 60～125 ø15.88<5/8>	ø9.52 <3/8>	35, 50 ø6.35<1/4> 60～125 ø9.52<3/8>	Refer to the instruction manual of the outdoor unit.					
250			ø12.7 <1/2>							

Note 1: Limit the number of bends for refrigerant pipes to 8 in each of the <A+B> and <A+C> ranges.
•See the installation manual provided with the main unit for details on charge-less pipe length and refrigerant additional charge amount.

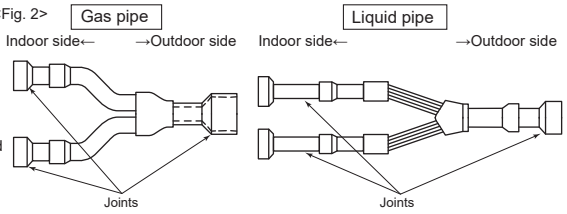
<Fig. 1>



3 Pipe connections

1. Perform work, taking care with the following:
   • Be sure to check the combination pattern of indoor and outdoor units and joints to be used <Table 2>.
   • Be sure to observe the limits to refrigerant pipe length and number of bends <Table 1>.
   • Insert the refrigerant pipe (procured at local site) and joint Ⓓ into the expanded pipe portions of distributing pipe (this product) until they stop, and then connect them using anti-oxidization soldering.
   • There is no restriction on the orientation of distributing pipe (this product) during installation.
   • Take care that no foreign object, such as dust, enters during pipe connecting work.
2. Pipe connections
   • The provided joint(s) Ⓓ will be necessary depending on the capability of model used: See <Table 2>, and connect the joints as shown in <Fig. 2>.
   • Do not bend or widen the distributing pipe (liquid pipe).

Combination pattern of indoor and outdoor units and joints to be used:
<Fig. 2>

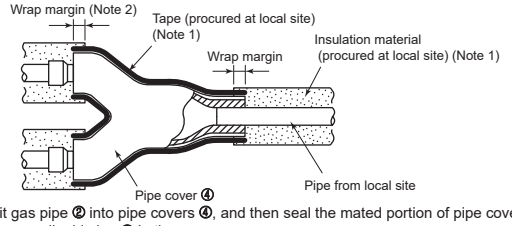


■For R32 power inverter <Table 2>

Outdoor unit	Indoor unit	Joint to be used
200	100+100	Ⓓ Outerø12.7−innerø9.52[outdoor liquid pipe side]
250	125+125	No joint is necessary

Note 1: Installation positions in brackets [ ].

4 Heat insulation work

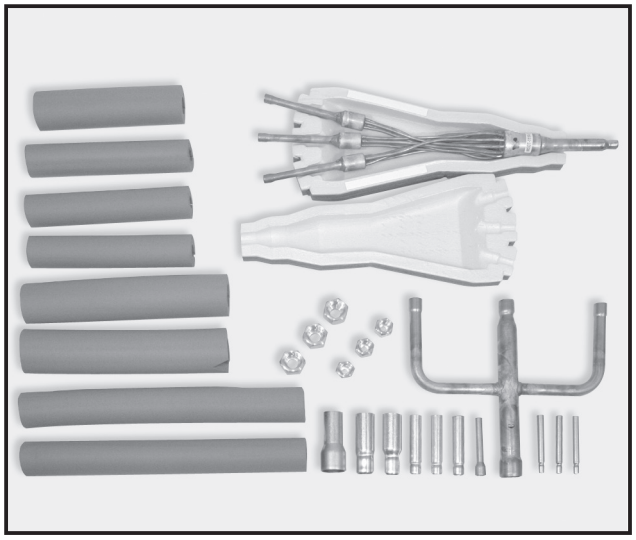


Notes:
1. Cover the entire refrigerant pipe (procured at local site) with heat insulation material. When using generally available heat insulation material, heat-resistant insulation material (at least 12 mm thick).
2. Pipe covers ④ and ⑤ will shrink slightly at high temperatures: Provide wrap margins with insulation material.

• Fit gas pipe ② into pipe covers ④, and then seal the mated portion of pipe cover ④ using heat insulation seal tape (procured at local site).
• Process liquid pipe ③ in the same way.

Please install contents other than this description on the main part of a product with an attached installation description, and use them as it.

Photo



Descriptions

3-branch pipe for Multi-System Triple use. (33:33:33)

Applicable Models

- PUZ-ZM100VKA
- PUZ-ZM100YKA
- PUZ-ZM125VKA
- PUZ-ZM125YKA
- PUZ-ZM140VKA
- PUZ-ZM140YKA
- PUZ-M140VKA
- PUZ-M140YKA

[R32 type]

- PUZ-ZM200YKA
- PUZ-ZM250YKA
- PUZ-M200YKA
- PUZ-M250YKA

for 33:33:33 Triple use

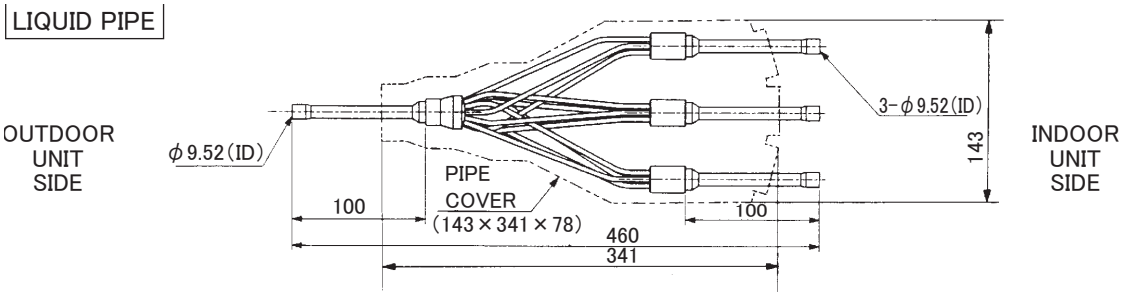
Specifications

Main body	Distribution ratio	Outdoor unit capacity is divided into three (33:33:33)
	Number of distribution pipes	1 each for liquid pipe and gas pipe
	Pipe material	Phosphate deoxidized copper C1220T-OL (JIS H3300)
Accessory	Pipe cover	Polyethylene foam molding (for liquid pipe) EPT sponge rubber type (for gas pipe)
	Joint	10 joints (6 types)

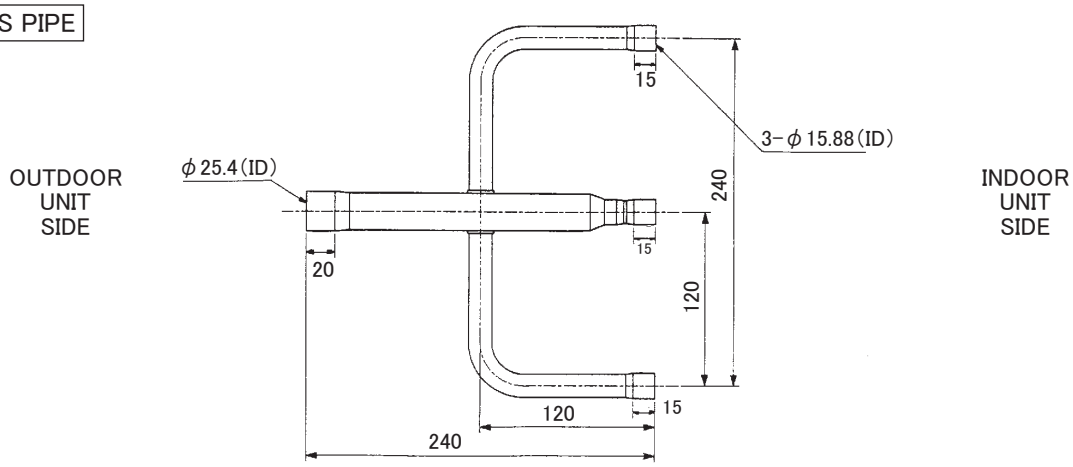
Dimensions

Unit: mm

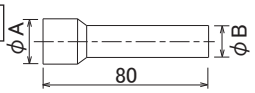
LIQUID PIPE



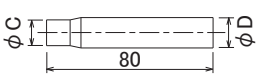
GAS PIPE



JOINT(Accessary)



ØA(ID)	ØB(OD)	Amount
12.7	9.52	1
28.6	25.4	1



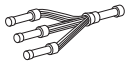
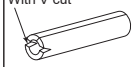
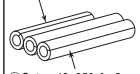
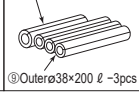
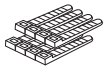
ØC(ID)	ØD(OD)	Amount
12.7	15.88	3
19.05	25.4	1
6.35	9.52	3
15.88	25.4	1

How to Use / How to Install

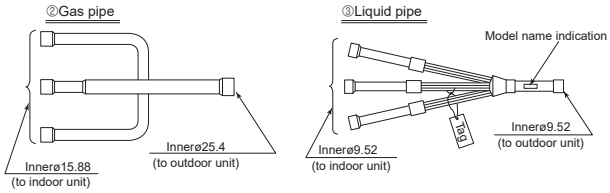
Packaged Air Conditioner Optional Parts Instruction Sheet for Simultaneous Triple Distributing Pipe exclusively used with Free Compo Multi-Units

MSDT-111R3-E [Indoor unit same-capacity triple 33:33:33]

1 Make sure that you have all the following parts in packing box before beginning installation:

①Instruction sheet	②Gas pipe	③Liquid pipe	④Pipe cover (for gas pipe)	⑤⑥Pipe cover (for gas pipe)	⑦Pipe cover (for liquid pipe)	⑧⑨Pipe cover	⑩Band	⑪Joint	⑫ Flare nut
 1 sheet	 1pc	 1pc	 With V cut 1pc	 ⑤Outerø50×250 ℓ −1pc ⑥Outerø43×350 ℓ −2pcs	 2pcs	 ⑧Outerø42×180 ℓ −1pc ⑨Outerø38×200 ℓ −3pcs	 8pcs	 See Table 1.	 ⓐ1/4F• • 3pcs ⓑ1/2F• • 3pcs For R32 indoor unit

●See the following for the specifications of gas pipe ② and liquid pipe ③ :



Note:
The following items must be obtained locally in addition to the packed parts.
ⓐ Heat insulating sealing tape
ⓑ Extension pipe for refrigerant pipe

Joint specifications and provided numbers <Table 1>

Sizes of joint pipe ends (mm)	Numbers provided
Ⓐ Outerø9.52−Innerø6.35	3
Ⓑ Outerø9.52−Innerø12.7	1
Ⓒ Outerø15.88−Innerø12.7	3
Ⓓ Outerø25.4−Innerø19.05	1
Ⓔ Outerø25.4−Innerø15.88	1
Ⓕ Outerø25.4−Innerø28.6	1
Ⓖ Outerø15.88−Innerø9.52	3

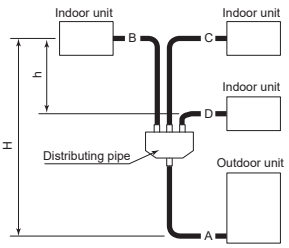
2 Pipe size and limit to refrigerant pipe

<Table 2>

Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Difference of elevation (m)		Note 1 Number of bends
	Gas pipe side		Liquid pipe side		Indoor-Outdoor	A+B+C+D=	Indoor-Indoor	Indoor-Outdoor	Indoor-Indoor	
	Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side						
100	ø15.88 <5/8>	ø9.52 <3/8>	ø9.52 <3/8>	ø6.35 <1/4>	Refer to the instruction manual of the outdoor unit.					
125, 140		ø12.7 <1/2>								
200	ø25.4 <1>	ø15.88 <5/8>	ø9.52 <3/8>	ø9.52 <3/8>						
250			ø12.7 <1/2>							

Note 1: Limit the number of bends for refrigerant pipes to 8 in each of the <A+B>, <A+C> and <A+D> ranges.
•See the installation manual provided with the main unit for details on charge-less pipe length and refrigerant additional charge amount.

<Fig. 1>



3 Pipe connections

1. Perform work, taking care with the following:
   • Be sure to check the combination pattern of indoor and outdoor units, joints to be used <Table 3>, pipe size <Table 1> and joint ⑪.
   • Be sure to observe the limits to refrigerant pipe length and number of bends <Table 2>.
   • Insert the refrigerant pipe (procured at local site) and joint ⑪ into the expanded pipe portions of distributing pipe (this product) until they stop, and then connect them using anti-oxidization soldering.
   • There is no restriction on the orientation of distributing pipe (this product) during installation.
   • Take care that no foreign object, such as dust, enters during pipe connecting work.
   • Remove the tag of liquid pipe ③ after checking it.
2. Pipe connections
   • The provided joints ⑪ will be necessary depending on the capability of model used: See <Table 3>, and connect the refrigerant piping.
   • Do not bend or widen the distributing pipe (liquid pipe).

Combination pattern of indoor and outdoor units and joints to be used:

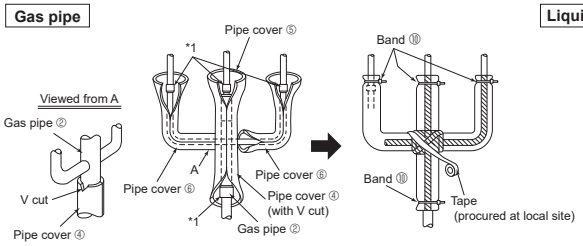
<Table 3>

Outdoor unit	Indoor unit	Joint to be used
100	35+35+35	Ⓔ Outerø25.4−innerø15.88[outdoor gas pipe side]×1, Ⓖ Outerø15.88−innerø9.52[indoor gas pipe side]×3, Ⓐ Outerø9.52−innerø6.35[indoor liquid pipe side]×3
125,140	50+50+50	Ⓔ Outerø25.4−innerø15.88[outdoor gas pipe side]×1 , Ⓒ Outerø15.88−innerø12.7[indoor gas pipe side]×3, Ⓐ Outerø9.52−innerø6.35[indoor liquid pipe side]×3
200	60+60+60	No Joint is necessary
250	71+71+71	Ⓑ Outerø9.52−innerø12.7[outdoor liquid pipe side]×1

Note 1: Installation positions in brackets [ ].

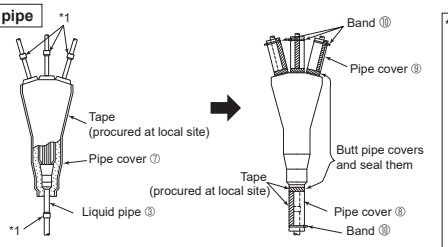
4 Heat insulation work

Gas pipe



(1)Wind pipe cover ④, ⑤ and ⑥ round gas pipe ② so that there is no gap. Securely fit the V-cut portions of pipe cover ④ into the roots of pipe on both sides to install the pipe cover.
(2)Completely seal the openings of pipe cover ④, ⑤ and ⑥ using heat insulation seal tape (procured at local site). Wind seal tape round the pipe crossing portion in a crossed way so that there is no gap.
(3)Use band ⑩ to tighten the ends of each pipe cover.

Liquid pipe

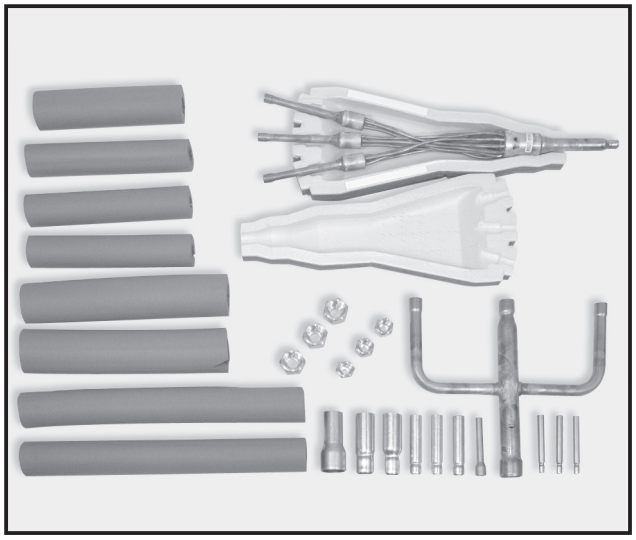


(1)Fit liquid pipe ③ into 2 pipe cover ⑦, and then seal the mated portion of pipe cover ⑦ using heat insulation seal tape (procured at local site).
(2)Fit pipe cover ⑧ and ⑨ into liquid pipe ③, and then securely seal the mated portion of pipe cover ⑦ using heat insulation seal tape (procured at local site).
(3)Use band ⑩ to tighten the ends of each pipe cover.

*1 Notes:
1. Cut off any surplus pipe cover to make appropriate length.
2. Use pipe covers to completely cover the connection portions of refrigerant pipe (procured at local site), gas pipe ② and liquid pipe ③.
3. Cover the entire refrigerant pipe (procured at local site) with heat insulation material. When using generally available heat insulation material, make sure it is heat-resistant insulation material (at least 12 mm thick).

Please install contents other than this description on the main part of a product with an attached installation description, and use them as it.

Photo



Descriptions

3-branch pipe for Multi-System Triple use. (33:33:33)

Applicable Models

- PUHZ-ZRP100,125,140VKA3
- PUHZ-ZRP100,125,140YKA3
- PUHZ-ZRP200,250YKA3
- PUHZ-P140VKA
- PUHZ-P140YKA
- PUHZ-P200,250YKA3

[R410A type]

for 33:33:33 Triple use

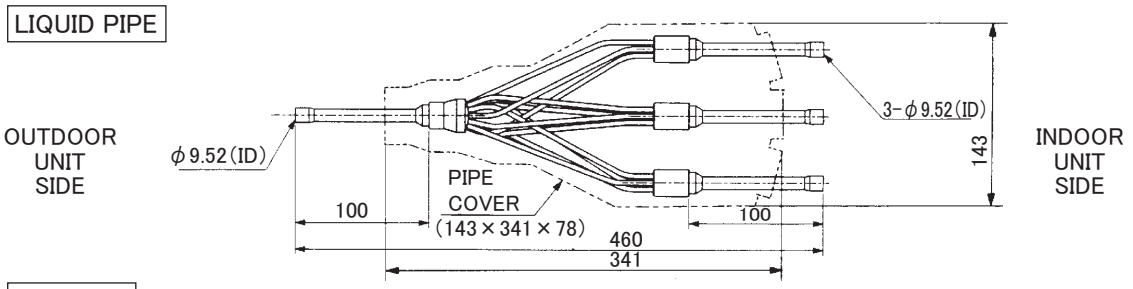
Specifications

Main body	Distribution ratio	Outdoor unit capacity is divided into three (33:33:33)
	Number of distribution pipes	1 each for liquid pipe and gas pipe
	Pipe material	Phosphate deoxidized copper C1220T-OL (JIS H3300)
Accessory	Pipe cover	Polyethylene foam molding (for liquid pipe) EPT sponge rubber type (for gas pipe)
	Joint	13 joints (7 types)

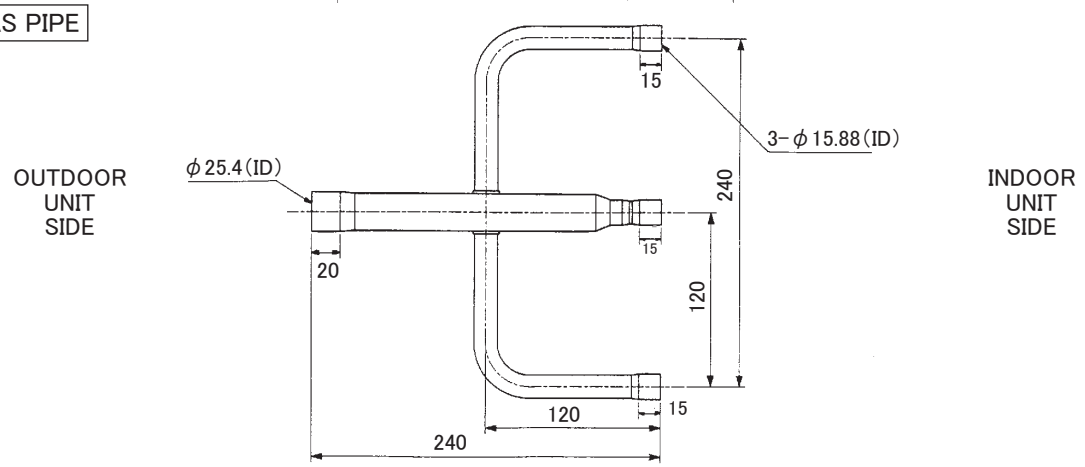
Dimensions

Unit: mm

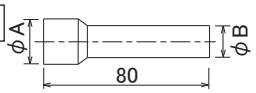
LIQUID PIPE



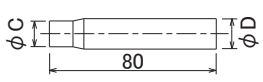
GAS PIPE



JOINT(Accessary)



ØA(ID)	ØB(OD)	Amount
12.7	9.52	1
28.6	25.4	1

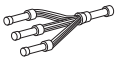
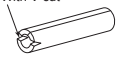
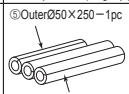


ØC(ID)	ØD(OD)	Amount
12.7	15.88	3
19.05	25.4	1
6.35	9.52	3
15.88	25.4	1
9.52	15.88	3

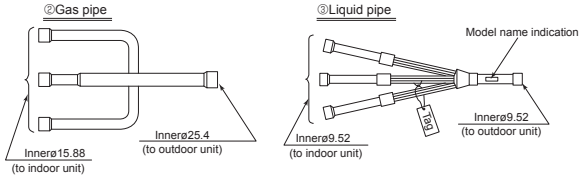
How to Use / How to Install

Package Air-conditioner Optional Parts Instruction Sheet for Simultaneous Triple Distributing Pipe exclusively used with Free Compo Multi-Units

Make sure that you have all the following parts in packing box before beginning installation:

① Instruction sheet	② Gas pipe	③ Liquid pipe	④ Pipe cover (for gas pipe)	⑤⑥ Pipe covers (for gas pipe)	⑦ Pipe cover (for liquid pipe)	⑧⑨ Pipe covers	⑩ Bands	⑪ Joint	⑫ Flare nut
 This sheet 1 sheet	 1pc	 1pc	 With V cut 1pc	 ⑤Outerø50×250−1pc ⑥Outerø43×350−2pc	 2pcs	 ⑧Outerø42×180−1pc ⑨Outerø38×200−3pcs	 8pcs	 See Table 1.	 ⓐ1/4F·····3pcs ⓑ1/2F·····3pcs For R410A indoor unit.

●See the following for the specifications of gas pipe ② and liquid pipe ③ :



Note:
The following items must be obtained locally in addition to the packed parts.
ⓐ Heat insulating sealing tape
ⓑ Extension pipe for refrigerant pipe

Joint specifications and provided numbers <Table 1>

Sizes of joint pipe ends (mm)	Numbers provided
Ⓐ Outerø9.52−Innerø6.35	3
Ⓑ Outerø9.52−Innerø12.7	1
Ⓒ Outerø15.88−Innerø12.7	3
Ⓓ Outerø25.4−Innerø19.05	1
Ⓔ Outerø25.4−Innerø15.88	1
Ⓕ Outerø25.4−Innerø28.6	1
Ⓖ Outerø15.88−Innerø9.52	3

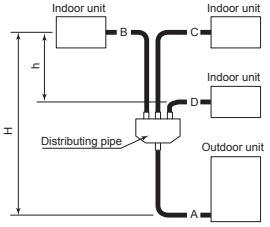
Pipe size and limit to refrigerant pipe

■For R410A inverter <Table 2>

Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Difference of elevation (m)		Note 1
	Gas pipe side		Liquid pipe side		Indoor-Outdoor	A+B+C+D=	Indoor-Indoor	Indoor-Outdoor	Indoor-Indoor	Number of bends
	Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side						
ZRP100	ø15.88 <5/8>	ø9.52 <3/8>	ø9.52 <3/8>	ø6.35 <1/4>	−	75m or less	|B−C| = 8m or less	H = 30m or less	h = 1m or less	15 or less
(ZR)P125, 140		ø12.7 <1/2>								
(ZR)P200	ø25.4 <1>	ø15.88 <5/8>	ø9.52 <3/8>	ø9.52 <3/8>	A + B = A + C = A + D = 100m or less	100m or less				
(ZR)P250			ø12.7 <1/2>							

Note 1: Limit the number of bends for refrigerant pipes to 8 in each of the <A+B>, <A+C> and <A+D> ranges.
•See the installation manual provided with the main unit for details on charge-less pipe length and refrigerant additional charge amount.

<Fig. 1>



Pipe connections

1. Perform work, taking care with the following:
   • Be sure to check the combination pattern of indoor and outdoor units, joints to be used <Table 3>, pipe size <Table 1> and joint ⑪.
   • Be sure to observe the limits to refrigerant pipe length and number of bends <Table 2>.
   • Insert the refrigerant pipe (procured at local site) and joint ⑪ into the expanded pipe portions of distributing pipe (this product) until they stop, and then connect them using anti-oxidization soldering.
   • There is no restriction on the orientation of distributing pipe (this product) during installation.
   • Take care that no foreign object, such as dust, enters during pipe connecting work.
   • Remove the tag of liquid pipe ③ after checking it.
2. Pipe connections
   • The provided joints ⑪ will be necessary depending on the capability of model used: See <Table 3>, and connect the refrigerant piping.
   • Do not bend or widen the distributing pipe (liquid pipe).

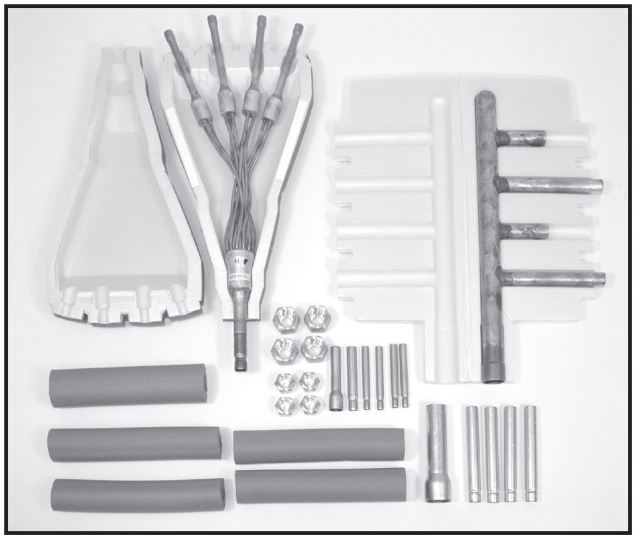
Combination pattern of indoor and outdoor units and joints to be used:

■For R410A inverter <Table 3>

Outdoor unit	Indoor unit	Joint to be used
ZRP100	35+35+35	Ⓔ Outerø25.4−innerø15.88[outdoor gas pipe side]×1, Ⓖ Outerø15.88−innerø9.52[indoor gas pipe side]×3, Ⓐ Outerø9.52−innerø6.35[indoor liquid pipe side]×3
(ZR)P125,140	50+50+50	Ⓔ Outerø25.4−innerø15.88[outdoor gas pipe side]×1 , Ⓒ Outerø15.88−innerø12.7[indoor gas pipe side]×3, Ⓐ Outerø9.52−innerø6.35[indoor liquid pipe side]×3
(ZR)P200	60+60+60	No Joint is necessary
(ZR)P250	71+71+71	Ⓑ Outerø9.52−innerø12.7[outdoor liquid pipe side]×1

Note 1: Installation positions in brackets [ ].

Photo



Descriptions

4-branch pipe for Multi-System Quadruple use. (25:25:25:25)

Applicable Models

- PUZ-ZM125,140VKA
- PUZ-ZM125,140YKA
- PUZ-ZM200,250YKA
  for 25:25:25:25 Quadruple use
- PUZ-M200,250YKA

[R32 type]

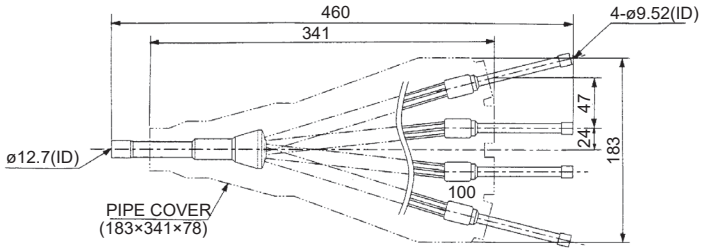
Specifications

Main body	Distribution ratio	Outdoor unit capacity is divided into four (25:25:25:25)
	Number of distribution pipes	1 each for liquid pipe and gas pipe
	Pipe material	Phosphate deoxidized copper C1220T-OL (JIS H3300)
Accessory	Pipe cover	Polyethylene foam molding (for liquid pipe) EPT sponge rubber type (for gas pipe)
	Joint	15 joints (7 types)
	Band	7 bands

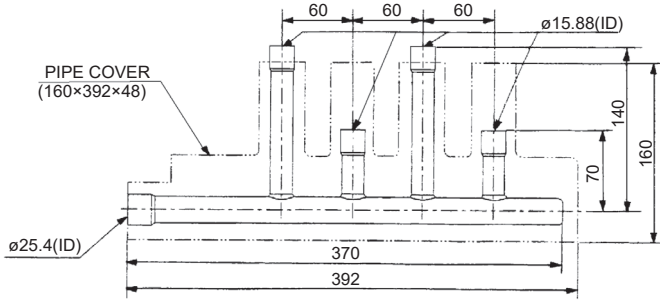
Dimensions

Unit: mm

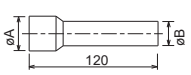
LIQUID PIPE



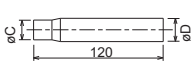
GAS PIPE



JOINT(Accessory)



ØA(ID)	ØB(OD)	Amount
28.6	25.4	1
15.88	12.7	1



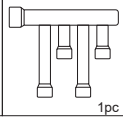
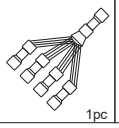
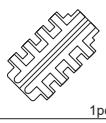
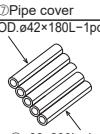
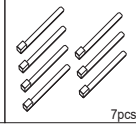
ØC(ID)	ØD(OD)	Amount
12.7	15.88	4
6.35	9.52	4
9.52	12.7	1
15.88	25.4	1
9.52	15.88	4

How to Use / How to Install

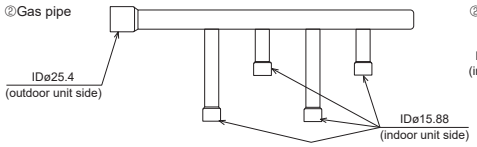
Packaged Air Conditioner Optional Parts Instruction Sheet for Simultaneous Quadruple Distributing Pipe exclusively used with Free Compo Multi-Units

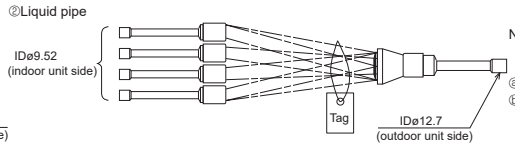
Model MSDF-1111R2-E [Indoor unit (quadruple) With same-capacity 25:25:25:25]

1 Make sure that you have all the following parts in packing box before beginning installation:

①Installation manual	②Gas pipe	③Liquid pipe	④Pipe cover (for gas pipe)	⑤Pipe cover (for liquid pipe)	⑥⑦Pipe cover	⑧Band	⑨Joint	⑩Flare nut
 1 sheet	 1pc	 1pc	 1pc	 2pcs	 ⑥OD.ø42×180L−1pc ⑦ø38×200L−4pcs	 7pcs	 Ⓐ ø9.52→ø6.35 • • • 4pcs Ⓑ ø12.7→ø9.52 • • • 1pc Ⓒ ø12.7→ø15.88 • • 1pc Ⓓ ø15.88→ø12.7 • • 4pcs Ⓔ ø25.4→ø28.6 • • • 1pc Ⓕ ø25.4→ø15.88 • • 1pc Ⓖ ø15.88→ø9.52 • • 4pcs	 ⓐ1/4F• • 4pcs ⓑ1/2F• • 4pcs For R32 indoor unit.

● The gas pipe ② and liquid pipe ③ are specified as shown below.



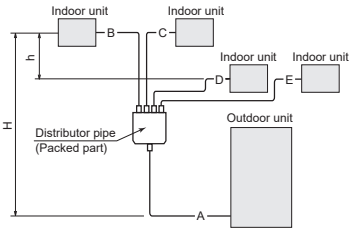


Note:
The following items must be obtained locally in addition to the packed parts.
ⓐ Heat insulating sealing tape
ⓑ Extension pipe for refrigerant pipe

2 Pipe size and refrigerant pipe limits

<Table 1>

Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Difference of elevation (m)		Note 1
	Gas pipe side		Liquid pipe side		Indoor-Outdoor	A+B+C+D=	Indoor-Indoor	Indoor-Outdoor	Indoor-Indoor	Number of bends
	Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side						
125,140	ø15.88 <5/8>	ø9.52 <3/8>	ø9.52 <3/8>	ø6.35 <1/4>	Refer to the instruction manual of the outdoor unit.					
200	ø25.4 <1>	ø12.7 <1/2>	ø9.52 <3/8>	ø6.35 <1/4>						
250	ø25.4 <1>	ø15.88 <5/8>	ø12.7 <1/2>	ø9.52 <3/8>						



Note 1: The number of bends in the refrigerant pipes is respectively 8 or less in the range of <A+B><A+C><A+D><A+E>.
•See the installation manual provided with the main unit for details on charge-less pipe length and refrigerant additional charge amount.

3 Pipe connections

1. Perform work, taking care with the following:
   • Be sure to check the combination pattern of indoor and outdoor units, joints to be used <Table 2>, pipe size and joint ⑨.
   • Be sure to observe the limits to refrigerant pipe length and number of bends <Table 1>.
   • Insert the refrigerant pipe (procured at local site) and joint ⑨ into the expanded pipe portions of distributing pipe (this product) until they stop, and then connect them using anti-oxidization soldering.
   • There is no restriction on the orientation of distributing pipe (this product) during installation.
   • Take care that no foreign object, such as dust, enters during pipe connecting work.
   • Remove the tag of liquid pipe ③ after checking it.
2. Pipe connections
   • The provided joint(s) ⑨ will be necessary depending on the capability of model used: See <Table 2>, and connect the refrigerant piping.
   • Do not bend or widen the distributing pipe (liquid pipe).

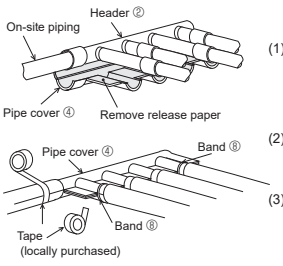
Combination pattern of indoor and outdoor units and joints to be used:

<Table 2>

Outdoor unit	Indoor unit	Joint to be used
125,140	35+35+35+35	Ⓕ Outerø25.4−innerø15.88[outdoor gas pipe side]×1, Ⓖ Outerø15.88−innerø9.52[indoor gas pipe side]×4, Ⓑ Outerø12.7−innerø9.52[outdoor liquid pipe side]×1, Ⓐ Outerø9.52−innerø6.35[indoor liquid pipe side]×4
200	50+50+50+50	Ⓓ Outerø15.88−innerø12.7[indoor gas pipe side]×4, Ⓐ Outerø9.52−innerø6.35[indoor liquid pipe side]×4, Ⓑ Outerø12.7−innerø9.52[outdoor gas pipe side]×1
250	60+60+60+60	No Joint is necessary

4 Heat insulation work

Gas pipe

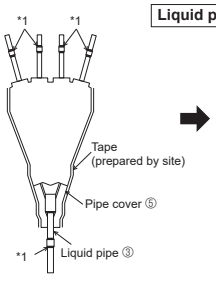


(1)After assembling header ② into pipe cover ④ remove the release paper from inside pipe cover ④ and wrap header ② with pipe cover ④.

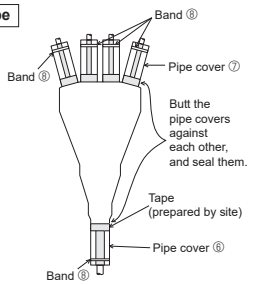
(2)Clamp both ends of the indoor branch connection of pipe cover ④ with band ⑧ as shown above. Cut off the excess length of the band.

(3)Tightly seal the joints of the pipe cover with tape (locally purchased). (Incomplete sealing can result in dew condensation.)

Liquid pipe



(1)Install the liquid pipe ③ while aligning it with the pipe cover ⑤ (2 pcs). Seal the joint ares of the pipe cover ⑤ with heat insulating sealing tape (obtain locally).

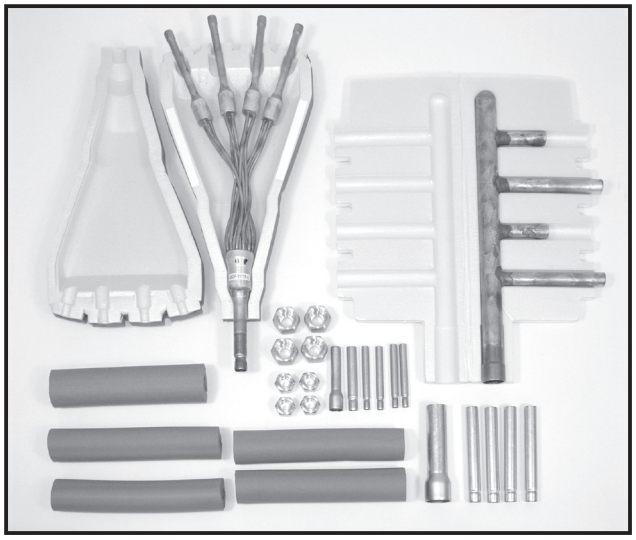


(1)As shown above, install the liquid pipe ③ on the pipe cover ⑧ and ⑦, and securely seal with heat insulating sealing tape (obtain locally).
(2)Fasten the end of each pipe cover with band ⑧.

Notes:
1. Cut the excessive part of each pipe cover.
2. Securely cover the joint areas (*1) of the refrigerant pipe (obtained locally) to the gas pipes ② and liquid pipe ③ with the pipe covers.
3. Cover the entire refrigerant pipe (obtained locally) with heat insulating material. If commercial heat insulating material is used, it must be 12mm or thicker.

Please install contents other than this description on the main part of a product with an attached installation description, and use them as it.

Photo



Descriptions

4-branch pipe for Multi-System Quadruple use. (25:25:25:25)

Applicable Models

- PUHZ-ZRP125,140VKA3
- PUHZ-ZRP125,140YKA3
- PUHZ-ZRP200,250YKA3
- PUHZ-P200,250YKA3
  for 25:25:25:25 Quadruple use

[R410A type]

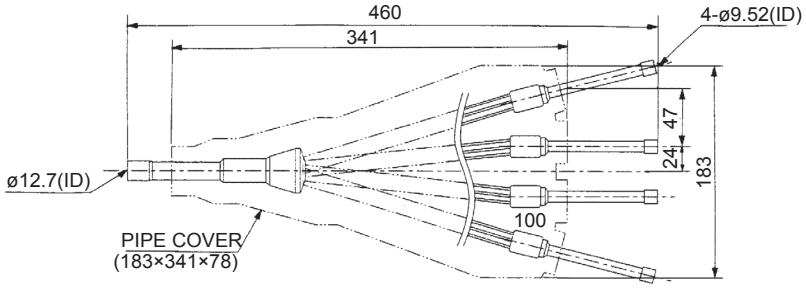
Specifications

Main body	Distribution ratio	Outdoor unit capacity is divided into four (25:25:25:25)
	Number of distribution pipes	1 each for liquid pipe and gas pipe
	Pipe material	Phosphate deoxidized copper C1220T-OL (JIS H3300)
Accessory	Pipe cover	Polyethylene foam molding (for liquid pipe) EPT sponge rubber type (for gas pipe)
	Joint	15 joints (7 types)
	Band	7 bands

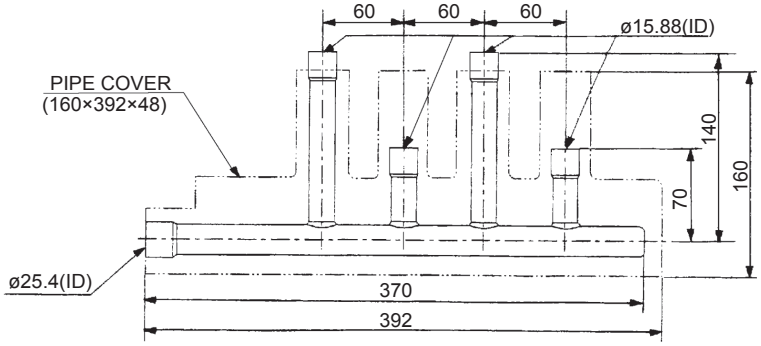
Dimensions

Unit: mm

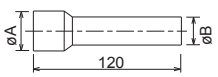
LIQUID PIPE



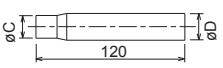
GAS PIPE



JOINT(Accessory)



ØA(ID)	ØB(OD)	Amount
28.6	25.4	1
15.88	12.7	1

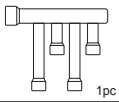
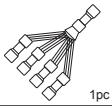
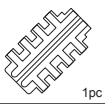
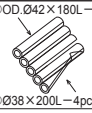
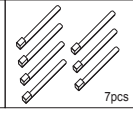


ØC(ID)	ØD(OD)	Amount
12.7	15.88	4
6.35	9.52	4
9.52	12.7	1
15.88	25.4	1
9.52	15.88	4

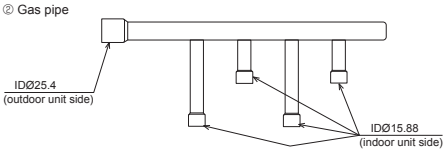
How to Use / How to Install

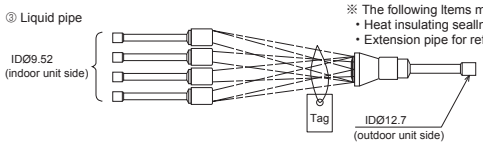
Package Air-conditioner Optional Parts Instruction Sheet for Simultaneous Quadruple Distributing Pipe exclusively used with Free Compo Multi-Units

Make sure that you have all the following parts in packing box before beginning installation:

① Installation manual	② Gas pipe	③ Liquid pipe	④ Pipe cover (gas pipe)	⑤ Pipe covers (liquid pipe)	⑥⑦ Pipe cover	⑧ Band	⑨ Joint	⑩ Flare nut
 This sheet 1 sheet	 1pc	 1pc	 1pc	 2pcs	 ⑥OD.Ø42×180L−1pc ⑦Ø38×200L−4pcs	 7pcs	 Ø9.52→Ø6.35·····4pcs Ø12.7→Ø9.52·····1pcs Ø12.7→Ø15.88····· 1pcs Ø15.88→Ø12.7····· 4pcs Ø25.4→Ø28.6····· 1pc Ø25.4→Ø15.88····· 1pc Ø15.88→Ø9.52····· 4pcs	 1/4F·····4pcs 1/2F·····4pcs For R410A indoor unit.

● the gas pipe ② and liquid pipe ③ are specified as shown below.





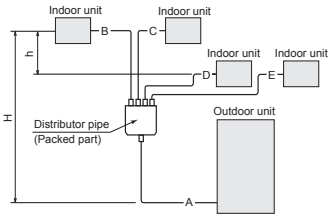
※ The following Items must be obtained locally in addition to the packed parts.
- Heat insulating seallng tape.
- Extension pipe for refrigerant pipe.

Pipe size and refrigerant pipe limits.

■For R410A inverter

<Table 1>

Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Difference of elevation (m)		Note 1
	Gas pipe side		Liquid pipe side		Indoor-Outdoor	A+B+C+D=	Indoor-Indoor	Indoor-Outdoor	Indoor-Indoor	Number of bends
	Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side						
(ZR)P200	ø25.4 <1>	ø12.7 <1/2>	ø9.52 <3/8>	ø6.35 <1/4>	A + B = A + C = A + D = A + E = 100m or less	100m or less	B−C = B−E = C−D = C−E = D−E = 8m or less	H = 30m or less	h = 1m or less	15 or less
(ZR)P250	ø25.4 <1>	ø15.88 <5/8>	ø12.7 <1/2>	ø9.52 <3/8>						
ZRP125,140 ZM125,140	ø15.88 <5/8>	ø9.52 <3/8>	ø9.52 <3/8>	ø6.35 <1/4>	-	75m or less				



Note 1: The number of bends in the refrigerant pipes is respectlvely 8 or less in the range of 〈A+B〉 〈A+C〉 〈A+D〉 〈A+E〉.

Pipe connections

1. Perform work, taking care with the following:
   - Be sure to check the combination pattern of indoor and outdoor units, joints to be used 〈Table 2〉, pipe size and joint used ⑨.
   - Be sure to observe the limits to refrigerant pipe length and number of bends 〈Table 1〉.
   - Insert the refrigerant pipe (procured at local site) and joint ⑨ into the expanded pipe portions of distributing pipe (this product) until they stop, and then connect them using anti-oxidization soldering.
   - There is no restriction on the orientation of distributing pipe (this product)during installation.
   - Take care that no foreign object, such as dust, enters during pipe connecting work.
   - Remove the tag of liquid pipe ③ after checking it.
2. Pipe connections
   - The provided joints ⑨ will be necessary depending on the capability of model used: See 〈Table 2〉, and connect the refrigerant piping.
   - Do not bend or widen the distributing pipe (liquid pipe).

Combination pattern of indoor and outdoor units and joints to be used:

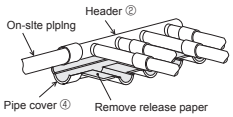
■For R410A inverter

<Table 2>

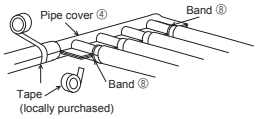
Outdoor unit	Indoor unit	Joint to be used
(ZR)P200	50+50+50+50	Ⓓ Outerø15.88−innerø12.7[indoor gas pipe side]×4, Ⓐ Outerø9.52−innerø6.35[indoor liquid pipe side]×4, Ⓑ Outerø12.7−innerø9.52[outdoor gas pipe side]×1
(ZR)P250	60+60+60+60	No Joint is necessary
ZRP125,140	35+35+35+35	Ⓔ Outerø25.4−innerø15.88[outdoor gas pipe side]×1, Ⓖ Outerø15.88−innerø9.52[indoor gas pipe side]×4, Ⓑ Outerø12.7−innerø9.52[outdoor liquid pipe side]×1, Ⓐ Outerø9.52−innerø6.35[indoor liquid pipe side]×4

Heat insulation work

Gas pipe

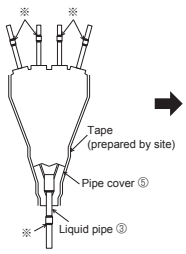


(1) After assembling header ② into pipe cover ④ remove the release paper from inside pipe cover ④ and wrap header ② with pipe cover ④.

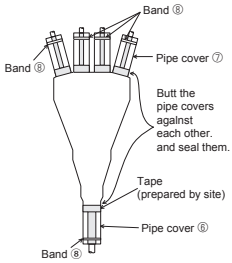


(2) Clamp both ends of the Indoor branch connection of pipe cover ④ with band ⑧ as shown above. Cut off the excess length of the band.
(3) Tlghtly seal the joints of the pipe cover with tape (locally purchased).(Incomplete sealing can result in dew condensation.)

Liquid pipe



(1) Install the liquid pipe ③ while aligning it with the pipe cover ⑤ (2 pcs).Seal the joint ares of the pipe cover ⑤ with hest Insulating sealing tape (obtalnlocally).



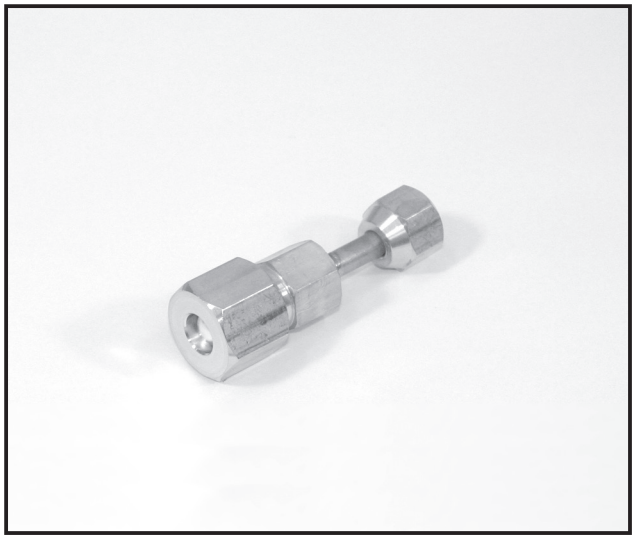
(1) As shown above, install the liquid pipe ③ on the pipe cover ⑧ and ⑦, and securely seal with heat Insulating seal- ing tape (obtain locally).
(3) Fasten the end of each pipe cover with band ⑧

Notes:
1. Cut the excesslve part of each pipe cover
2. Securely cover the joint areas (※) of the refrlgerant pipe (obtained locally) to the gas pipes ② and llquid pipe ③ with the pipe covers.
3. Cover the entire refrigerant pipe (obtained locally) with heat insulating materal.if commercial heat insulating material is used, it must be 12mm or thicker.

Please install contents other than this description on the main part of a product with an attached installation description, and use them as it.

Joint Pipe Unit ϕ6.35 → Pipe ϕ9.52 PAC-SG87RJ-E

Photo



Descriptions

A part to connect refrigerant pipes of the different diameter. (Unit ϕ6.35 → ϕ9.52)

Applicable Models

- PUZ-ZM35VKA
- PUZ-ZM50VKA

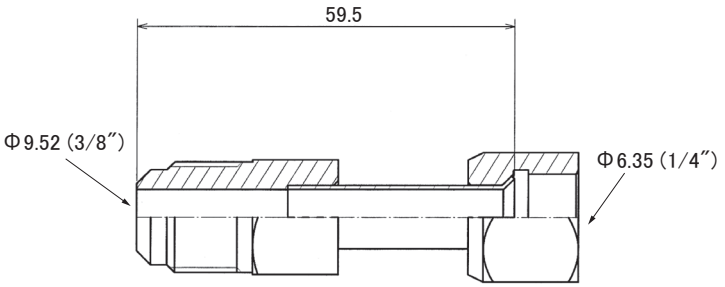
[R32 type]

Specifications

Pipe diameter	Φ 6.35
Pipe material	C 1220T - OL

Dimensions

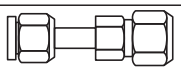
Unit: mm (inch)



How to Use / How to Install

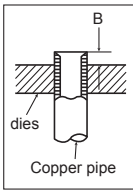
Make sure that you have all the following parts, in addition to this manual in this box:

Joint Pipe
PAC-SJ87RJ-E (unit side:ø6.35 diameter, onsite pipe side:ø9.52 diameter)
PAC-SJ88RJ-E (unit side:ø9.52 diameter, onsite pipe side:ø12.70 diameter)

Unit side  Onsite piping side

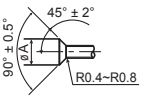
Installation procedure
(carefully read the following before installing.)
This optional part is used to connect indoor/outdoor unit to on-site pipes of different diameters.
※ When installing this optional part, be sure to read "Refrigerant pipe connection" in the installation manual attached to outdoor unit.

1) Apply flare processing to on-site pipes to adapt to R32, according to the table on the right. Use optional accessory flare nut at this time.
※ Check the installation manual attached to the outdoor unit for advisability on whether or not on-site (existing) pipes can be used.

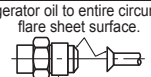


Pipe diameter (mm)	B size (mm)	
	R32 flare tool	R22/R407C flare tool
	Clutch type	
ø 6.35(1/4")	0 - 0.5	1.0 - 1.5
ø 9.52(3/8")	0 - 0.5	1.0 - 1.5
ø12.70(1/2")	0 - 0.5	1.0 - 1.5

※ When flare processing for refrigerant R32 is applied using current tool, refer to the table above. B size can be secured using copper pipe gauge for margin adjustment.

Outer diameter of copper pipe (mm)	Processing size of flare section (mm)	Flare shape
ø6.35	8.7 - 9.1	
ø9.52	12.8 - 13.2	
ø12.70	16.2 - 16.6	

2) Remove caps (both ends) for protection against mixing of foreign materials from optional part, and thinly apply refrigerat or oil (locally procured) on flare surface.

Refrigerator oil application point
Apply refrigerator oil to entire circumference of flare sheet surface.

※ Do not apply to thread section. (If applied to threads, flare nut can easily be loosened.)

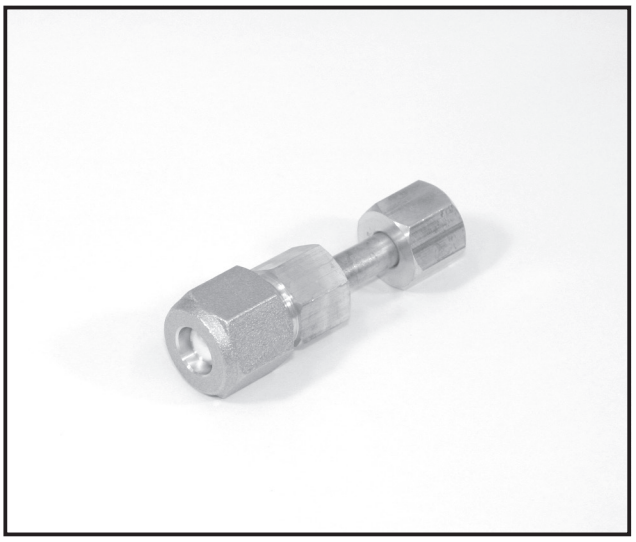
3) Securely tighten flare nut using torque wrench according to the table on the right.
〈Proper tightening torque using torque wrench〉

Outer diameter of copper pipe (mm)	Tightening torque N•m (kgf•cm)
ø6.35	14 - 18(140 - 180)
ø9.52	34 - 42(340 - 420)
ø12.70	49 - 61(490 - 610)

4) After refrigerant pipe is connected, be sure to perform gas leakage inspection for onsite connection pipes (including this optional part) and indoor/outdoor unit.
5) Heat insulation is necessary for this optional part: Wrap heat insulator (locally procured) around the onsite pipes and also the optional part (for dewdrop dripping prevention).
6) Perform test run according to the installation manual of the unit, making sure to also perform operation check.

Joint Pipe Unit ϕ9.52 → Pipe ϕ12.7 PAC-SG88RJ-E

Photo



Descriptions

A part to connect refrigerant pipes of the different diameter. (Unit ϕ9.52 → ϕ12.7)

Applicable Models

- PUZ-ZM60,71VHA
- PUZ-ZM100,125,140VKA
- PUZ-ZM100,125,140YKA
- PUZ-ZM200YKA

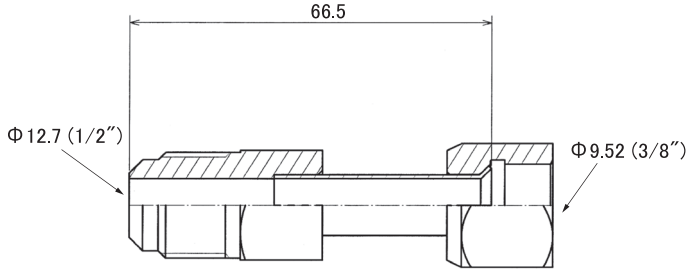
[R32 type]

Specifications

Pipe diameter	Φ 9.52
Pipe material	C 1220T - OL

Dimensions

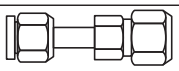
Unit: mm (inch)



How to Use / How to Install

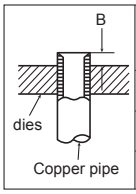
Make sure that you have all the following parts, in addition to this manual in this box:

Joint Pipe
PAC-SJ87RJ-E (unit side:ø6.35 diameter, onsite pipe side:ø9.52 diameter)
PAC-SJ88RJ-E (unit side:ø9.52 diameter, onsite pipe side:ø12.70 diameter)

Unit side  Onsite piping side

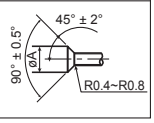
Installation procedure
(carefully read the following before installing.)
This optional part is used to connect indoor/outdoor unit to on-site pipes of different diameters.
※When installing this optional part, be sure to read "Refrigerant pipe connection" in the installation manual attached to outdoor unit.

1) Apply flare processing to on-site pipes to adapt to R32, according to the table on the right. Use optional accessory flare nut at this time.
※Check the installation manual attached to the outdoor unit for advisability on whether or not on-site (existing) pipes can be used.

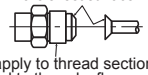


Pipe diameter (mm)	B size (mm)	
	R32 flare tool	R22/R407C flare tool
	Clutch type	
ø 6.35(1/4")	0 - 0.5	1.0 - 1.5
ø 9.52(3/8")	0 - 0.5	1.0 - 1.5
ø12.70(1/2")	0 - 0.5	1.0 - 1.5

※When flare processing for refrigerant R32 is applied using current tool, refer to the table above. B size can be secured using copper pipe gauge for margin adjustment.

Outer diameter of copper pipe (mm)	Processing size of flare section (mm)	Flare shape
ø6.35	8.7 - 9.1	
ø9.52	12.8 - 13.2	
ø12.70	16.2 - 16.6	

2) Remove caps (both ends) for protection against mixing of foreign materials from optional part, and thinly apply refrigerat or oil (locally procured) on flare surface.

Refrigerator oil application point
Apply refrigerator oil to entire circumference of flare sheet surface.

※ Do not apply to thread section. (If applied to threads, flare nut can easily be loosened.)

3) Securely tighten flare nut using torque wrench according to the table on the right.

〈Proper tightening torque using torque wrench〉

Outer diameter of copper pipe (mm)	Tightening torque N•m (kgf•cm)
ø6.35	14 - 18(140 - 180)
ø9.52	34 - 42(340 - 420)
ø12.70	49 - 61(490 - 610)

4) After refrigerant pipe is connected, be sure to perform gas leakage inspection for onsite connection pipes (including this optional part) and indoor/outdoor unit.

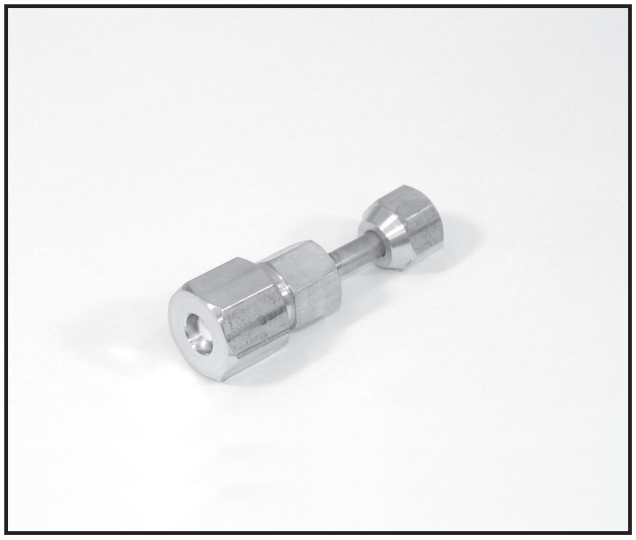
5) Heat insulation is necessary for this optional part: Wrap heat insulator (locally procured) around the onsite pipes and also the optional part (for dewdrop dripping prevention).

6) Perform test run according to the installation manual of the unit, making sure to also perform operation check.

Joint Pipe Unit ϕ6.35 → Pipe ϕ9.52

PAC-SG72RJ-E

Photo



Descriptions

A part to connect refrigerant pipes of the different diameter. (Unit ϕ6.35 → ϕ9.52)

Applicable Models

- PUHZ-ZRP35VKA2
- PUHZ-ZRP50VKA2

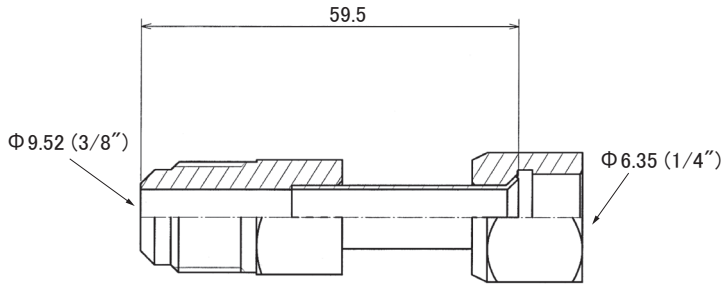
[R410A type]

Specifications

Pipe diameter	Φ 6.35
Pipe material	C 1220T - OL

Dimensions

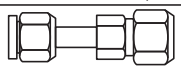
Unit: mm (inch)



How to Use / How to Install

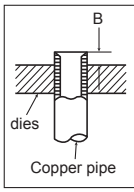
Make sure that you have all the following parts, in addition to this manual in this box:

Joint Pipe
PAC-SG72RJ-E (unit side:ø6.35 diameter, onsite pipe side:ø9.52 diameter)
PAC-SG73RJ-E (unit side:ø9.52 diameter, onsite pipe side:ø12.70 diameter)
PAC-SG74RJ-E (unit side:ø12.70 diameter, onsite pipe side:ø15.88 diameter)
PAC-SG75RJ-E (unit side:ø15.88 diameter, onsite pipe side:ø19.05 diameter)

Unit side  Onsite piping side

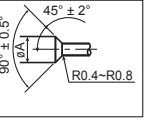
Installation procedure
(carefully read the following before installing.)
This optional part is used to connect indoor/outdoor unit to onsite pipes of different diameters.
※When installing this optional part, be sure to read "Refrigerant pipe connection" in the installation manual attached to outdoor unit.

1) Apply flare processing to onsite pipes to adapt to R410A, according to the table on the right.Use optional accessory flare nut at this time.
※Check the installation manual attached to the outdoor unit for advisability on whether or not onsite (existing) pipes can be used.
※When pipe of 19.05 diameter is used, be sure to turn ON the SW8-1 on outdoor unit control board.

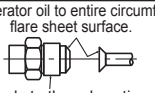


Pipe diameter (mm)	B size (mm)	
	R410A flare tool	R22/R407C flare tool
	Clutch type	
ø 6.35(1/4")	0 - 0.5	1.0 - 1.5
ø 9.52(3/8")	0 - 0.5	1.0 - 1.5
ø12.70(1/2")	0 - 0.5	1.0 - 1.5
ø15.88(5/8")	0 - 0.5	1.0 - 1.5
ø19.05(3/4")	0 - 0.5	1.0 - 1.5

※When flare processing for refrigerant R410A is applied using current tool, refer to the table above. B size can be secured using copper pipe gauge for margin adjustment.

Outer diameter of copper pipe (mm)	Processing size of flare section (mm)	Flare shape
ø6.35	8.7 - 9.1	
ø9.52	12.8 - 13.2	
ø12.70	16.2 - 16.6	
ø15.88	19.3 - 19.7	
ø19.05	23.6 - 24.0	

2) Remove caps (both ends) for protection against mixing of foreign materials from optional part, and thinly apply refrigerat or oil (locally procured) on flare surface.

Refrigerator oil application point
Apply refrigerator oil to entire circumference of flare sheet surface.

※ Do not apply to thread section. (If applied to threads, flare nut can easily be loosened.)

3) Securely tighten flare nut using torque wrench according to the table on the right.

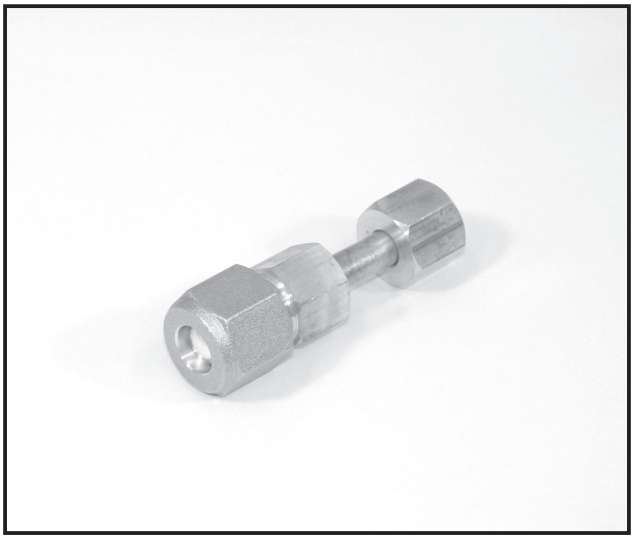
〈Proper tightening torque using torque wrench〉

Outer diameter of copper pipe (mm)	Tightening torque N•m (kgf•cm)
ø6.35	14 - 18(140 - 180)
ø9.52	34 - 42(340 - 420)
ø12.70	49 - 61(490 - 610)
ø15.88	68 - 82(680 - 820)
ø19.05	100 - 120(1000 - 1200)

4) After refrigerant pipe is connected, be sure to perform gas leakage inspection for onsite connection pipes (including this optional part) and indoor/outdoor unit.
5) Heat insulation is necessary for this optional part: Wrap heat insulator (locally procured) around the onsite pipes and also the optional part (for dewdrop dripping prevention).
6) Perform test run according to the installation manual of the unit, making sure to also perform operation check.

Joint Pipe Unit ϕ9.52 → Pipe ϕ12.7 PAC-SG73RJ-E

Photo



Descriptions

A part to connect refrigerant pipes of the different diameter.
(Unit ϕ9.52 → ϕ12.7)

Applicable Models

- PUHZ-ZRP60,71VHA2
- PUHZ-ZRP100,125,140VKA3
- PUHZ-ZRP100,125,140YKA3
- PUHZ-ZRP200YKA3

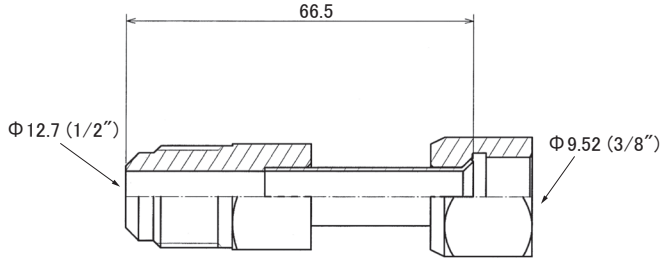
[R410A type]

Specifications

Pipe diameter	Φ 9.52
Pipe material	C 1220T - OL

Dimensions

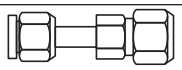
Unit: mm (inch)



How to Use / How to Install

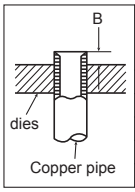
Make sure that you have all the following parts, in addition to this manual in this box:

Joint Pipe
PAC-SG72RJ-E (unit side:ø6.35 diameter, onsite pipe side:ø9.52 diameter)
PAC-SG73RJ-E (unit side:ø9.52 diameter, onsite pipe side:ø12.70 diameter)
PAC-SG74RJ-E (unit side:ø12.70 diameter, onsite pipe side:ø15.88 diameter)
PAC-SG75RJ-E (unit side:ø15.88 diameter, onsite pipe side:ø19.05 diameter)

Unit side  Onsite piping side

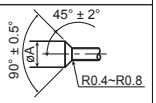
Installation procedure
(carefully read the following before installing.)
This optional part is used to connect indoor/outdoor unit to onsite pipes of different diameters.
※ When installing this optional part, be sure to read "Refrigerant pipe connection" in the installation manual attached to outdoor unit.

1) Apply flare processing to onsite pipes to adapt to R410A, according to the table on the right.Use optional accessory flare nut at this time.
※ Check the installation manual attached to the outdoor unit for advisability on whether or not onsite (existing) pipes can be used.
※ When pipe of 19.05 diameter is used, be sure to turn ON the SW8-1 on outdoor unit control board.

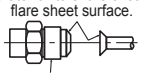


Pipe diameter (mm)	B size (mm)	
	R410A flare tool	R22/R407C flare tool
	Clutch type	
ø 6.35(1/4")	0 - 0.5	1.0 - 1.5
ø 9.52(3/8")	0 - 0.5	1.0 - 1.5
ø12.70(1/2")	0 - 0.5	1.0 - 1.5
ø15.88(5/8")	0 - 0.5	1.0 - 1.5
ø19.05(3/4")	0 - 0.5	1.0 - 1.5

※When flare processing for refrigerant R410A is applied using current tool, refer to the table above. B size can be secured using copper pipe gauge for margin adjustment.

Outer diameter of copper pipe (mm)	Processing size of flare section (mm)	Flare shape
ø6.35	8.7 - 9.1	
ø9.52	12.8 - 13.2	
ø12.70	16.2 - 16.6	
ø15.88	19.3 - 19.7	
ø19.05	23.6 - 24.0	

2) Remove caps (both ends) for protection against mixing of foreign materials from optional part, and thinly apply refrigerat or oil (locally procured) on flare surface.

Refrigerator oil application point
Apply refrigerator oil to entire circumference of flare sheet surface.

※ Do not apply to thread section. (If applied to threads, flare nut can easily be loosened.)

3) Securely tighten flare nut using torque wrench according to the table on the right.

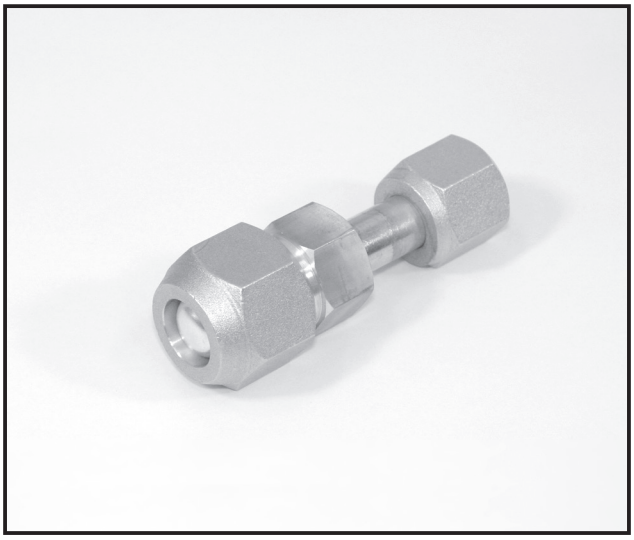
〈Proper tightening torque using torque wrench〉

Outer diameter of copper pipe (mm)	Tightening torque N•m (kgf•cm)
ø6.35	14 - 18(140 - 180)
ø9.52	34 - 42(340 - 420)
ø12.70	49 - 61(490 - 610)
ø15.88	68 - 82(680 - 820)
ø19.05	100 - 120(1000 - 1200)

4) After refrigerant pipe is connected, be sure to perform gas leakage inspection for onsite connection pipes (including this optional part) and indoor/outdoor unit.
5) Heat insulation is necessary for this optional part: Wrap heat insulator (locally procured) around the onsite pipes and also the optional part (for dewdrop dripping prevention).
6) Perform test run according to the installation manual of the unit, making sure to also perform operation check.

Joint Pipe Unit ϕ15.88 → Pipe ϕ19.05 PAC-SG75RJ-E

Photo



Descriptions

A part to connect refrigerant pipes of the different diameter. (Unit ϕ15.88 → ϕ19.05)

Applicable Models

- PUHZ-ZRP60,71VHA2
- PUHZ-ZRP100,125,140VKA3
- PUHZ-ZRP100,125,140YKA3

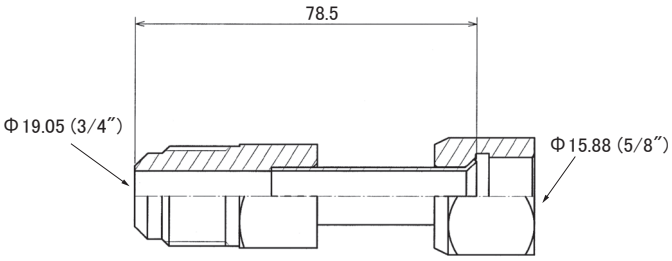
[R410A type]

Specifications

Pipe diameter	Φ 15.88
Pipe material	C 1220T - OL

Dimensions

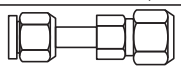
Unit: mm (inch)



How to Use / How to Install

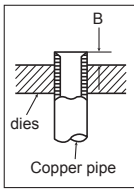
Make sure that you have all the following parts, in addition to this manual in this box:

Joint Pipe
PAC-SG72RJ-E (unit side:ø6.35 diameter, onsite pipe side:ø9.52 diameter)
PAC-SG73RJ-E (unit side:ø9.52 diameter, onsite pipe side:ø12.70 diameter)
PAC-SG74RJ-E (unit side:ø12.70 diameter, onsite pipe side:ø15.88 diameter)
PAC-SG75RJ-E (unit side:ø15.88 diameter, onsite pipe side:ø19.05 diameter)

Unit side  Onsite piping side

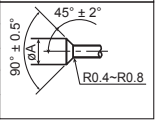
Installation procedure
(carefully read the following before installing.)
This optional part is used to connect indoor/outdoor unit to onsite pipes of different diameters.
※When installing this optional part, be sure to read "Refrigerant pipe connection" in the installation manual attached to outdoor unit.

1) Apply flare processing to onsite pipes to adapt to R410A, according to the table on the right.Use optional accessory flare nut at this time.
※Check the installation manual attached to the outdoor unit for advisability on whether or not onsite (existing) pipes can be used.
※When pipe of 19.05 diameter is used, be sure to turn ON the SW8-1 on outdoor unit control board.

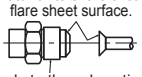


Pipe diameter (mm)	B size (mm)	
	R410A flare tool	R22/R407C flare tool
	Clutch type	
ø 6.35(1/4")	0 - 0.5	1.0 - 1.5
ø 9.52(3/8")	0 - 0.5	1.0 - 1.5
ø12.70(1/2")	0 - 0.5	1.0 - 1.5
ø15.88(5/8")	0 - 0.5	1.0 - 1.5
ø19.05(3/4")	0 - 0.5	1.0 - 1.5

※When flare processing for refrigerant R410A is applied using current tool, refer to the table above. B size can be secured using copper pipe gauge for margin adjustment.

Outer diameter of copper pipe (mm)	Processing size of flare section (mm)	Flare shape
ø6.35	8.7 - 9.1	
ø9.52	12.8 - 13.2	
ø12.70	16.2 - 16.6	
ø15.88	19.3 - 19.7	
ø19.05	23.6 - 24.0	

2) Remove caps (both ends) for protection against mixing of foreign materials from optional part, and thinly apply refrigerat or oil (locally procured) on flare surface.

Refrigerator oil application point
Apply refrigerator oil to entire circumference of flare sheet surface.

※ Do not apply to thread section. (If applied to threads, flare nut can easily be loosened.)

3) Securely tighten flare nut using torque wrench according to the table on the right.

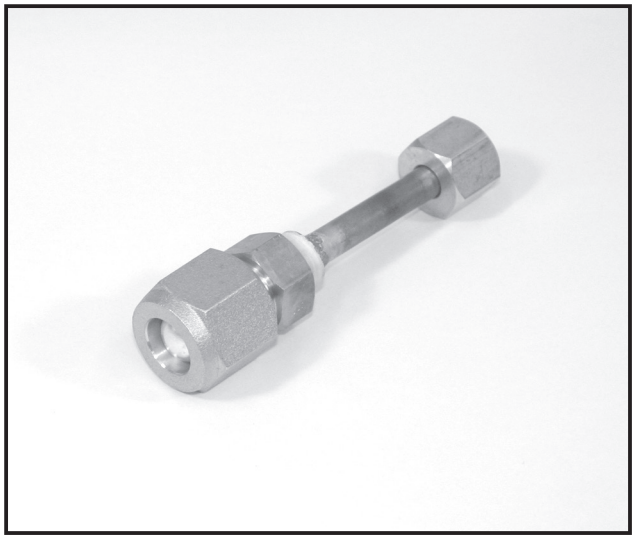
〈Proper tightening torque using torque wrench〉

Outer diameter of copper pipe (mm)	Tightening torque N•m (kgf•cm)
ø6.35	14 - 18(140 - 180)
ø9.52	34 - 42(340 - 420)
ø12.70	49 - 61(490 - 610)
ø15.88	68 - 82(680 - 820)
ø19.05	100 - 120(1000 - 1200)

4) After refrigerant pipe is connected, be sure to perform gas leakage inspection for onsite connection pipes (including this optional part) and indoor/outdoor unit.
5) Heat insulation is necessary for this optional part: Wrap heat insulator (locally procured) around the onsite pipes and also the optional part (for dewdrop dripping prevention).
6) Perform test run according to the installation manual of the unit, making sure to also perform operation check.

Joint Pipe Unit ϕ9.52 → Pipe ϕ15.88 PAC-SG76RJ-E

Photo



Descriptions

A part to connect refrigerant pipes of the different diameter. (Unit ϕ9.52 → ϕ15.88)

Applicable Models

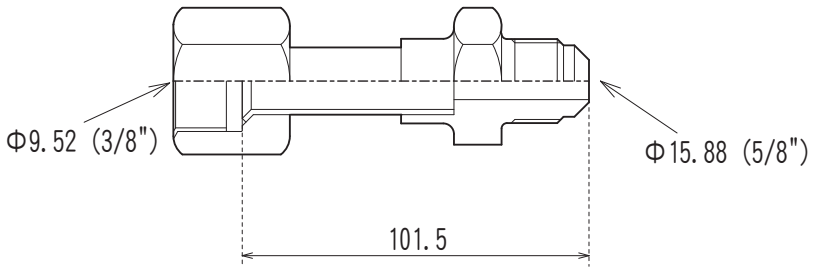
- MXZ-3E68VA
- MXZ-4E72VA
- MXZ-4E83VA
- MXZ-5E102VA
- MXZ-6D122VA2
- MXZ-4E83VAHZ
- MXZ-3F68VF3
- MXZ-4F72VF3
- MXZ-4F80VF3
- MXZ-4F83VF
- MXZ-5F102VF
- MXZ-6F122VF

Specifications

Pipe diameter	Φ 9.52
Pipe material	C 1220T - OL

Dimensions

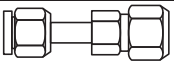
Unit: mm (inch)



How to Use / How to Install

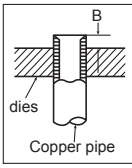
Make sure that you have all the following parts, in addition to this manual in this box:

Joint Pipe
- PAC-SG76RJ-E (unit side:ø9.52 diameter, onsite pipe side:ø15.88 diameter)
- PAC-493PI (unit side:ø6.32 diameter, onsite pipe side:ø9.52 diameter)
- MAC-A454JP-E (unit side:ø9.52 diameter, onsite pipe side:ø12.7 diameter)
- MAC-A455JP-E (unit side:ø12.7 diameter, onsite pipe side:ø9.52 diameter)
- MAC-A456JP-E (unit side:ø12.7 diameter, onsite pipe side:ø15.88 diameter)

Unit side  Onsite piping side

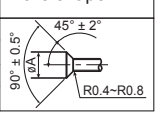
Installation procedure
(carefully read the following before installing.)
This optional part is used to connect indoor/outdoor unit to onsite pipes of different diameters.
※ When installing this optional part, be sure to read "Refrigerant pipe connection" in the installation manual attached to outdoor unit.

1) Apply flare processing to onsite pipes to adapt to R410A, according to the table on the right.Use optional accessory flare nut at this time.
※ Check the installation manual attached to the outdoor unit for advisability on whether or not onsite (existing) pipes can be used.

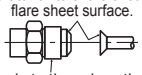


Pipe diameter (mm)	B size (mm)	
	R410A flare tool	R22/R407C flare tool
	Clutch type	
ø 6.35(1/4")	0 - 0.5	1.0 - 1.5
ø 9.52(3/8")	0 - 0.5	1.0 - 1.5
ø12.70(1/2")	0 - 0.5	1.0 - 1.5
ø15.88(5/8")	0 - 0.5	1.0 - 1.5

※ When flare processing for refrigerant R410A is applied using current tool, refer to the table above. B size can be secured using copper pipe gauge for margin adjustment.

Outer diameter of copper pipe (mm)	Processing size of flare section (mm)	Flare shape
ø6.35	8.7 - 9.1	
ø9.52	12.8 - 13.2	
ø12.70	16.2 - 16.6	
ø15.88	19.3 - 19.7	

2) Remove caps (both ends) for protection against mixing of foreign materials from optional part, and thinly apply refrigerat or oil (locally procured) on flare surface.

Refrigerator oil application point
Apply refrigerator oil to entire circumference of flare sheet surface.  ※ Do not apply to thread section. (If applied to threads, flare nut can easily be loosened.)

3) Securely tighten flare nut using torque wrench according to the table on the right.

〈Proper tightening torque using torque wrench〉

Outer diameter of copper pipe (mm)	Tightening torque N•m (kgf•cm)
ø6.35	14 - 18(140 - 180)
ø9.52	34 - 42(340 - 420)
ø12.70	49 - 61(490 - 610)
ø15.88	68 - 82(680 - 820)

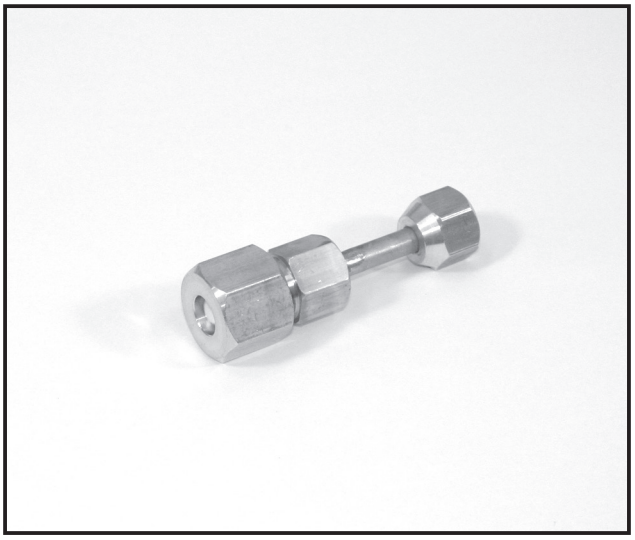
4) After refrigerant pipe is connected, be sure to perform gas leakage inspection for onsite connection pipes (including this optional part) and indoor/outdoor unit.

5) Heat insulation is necessary for this optional part: Wrap heat insulator (locally procured) around the onsite pipes and also the optional part (for dewdrop dripping prevention).

6) Perform test run according to the installation manual of the unit, making sure to also perform operation check.

Joint Pipe Unit ϕ6.35 → Pipe ϕ9.52 PAC-493PI

Photo



Descriptions

A part to connect refrigerant pipes of the different diameter. (Unit ϕ6.35 → ϕ9.52)

Applicable Models

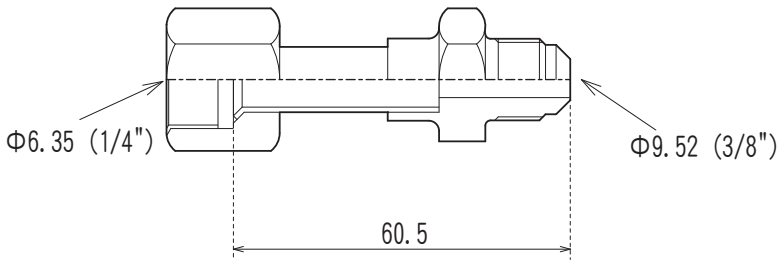
- MXZ-3E68VA
- MXZ-4E72VA
- MXZ-4E83VA
- MXZ-5E102VA
- MXZ-6D122VA2
- MXZ-4E83VAHZ
- MXZ-3F68VF3
- MXZ-4F72VF3
- MXZ-4F80VF3
- MXZ-4F83VF
- MXZ-5F102VF
- MXZ-6F122VF

Specifications

Pipe diameter	Φ 6.35
Pipe material	C 1220T - OL

Dimensions

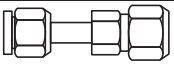
Unit: mm (inch)



How to Use / How to Install

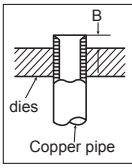
Make sure that you have all the following parts, in addition to this manual in this box:

Joint Pipe
PAC-SG76RJ-E (unit side:ø9.52 diameter, onsite pipe side:ø15.88 diameter)
PAC-493PI (unit side:ø6.32 diameter, onsite pipe side:ø9.52 diameter)
MAC-A454JP-E (unit side:ø9.52 diameter, onsite pipe side:ø12.7 diameter)
MAC-A455JP-E (unit side:ø12.7 diameter, onsite pipe side:ø9.52 diameter)
MAC-A456JP-E (unit side:ø12.7 diameter, onsite pipe side:ø15.88 diameter)

Unit side  Onsite piping side

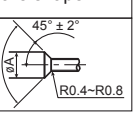
Installation procedure
(carefully read the following before installing.)
This optional part is used to connect indoor/outdoor unit to onsite pipes of different diameters.
※ When installing this optional part, be sure to read "Refrigerant pipe connection" in the installation manual attached to outdoor unit.

1) Apply flare processing to onsite pipes to adapt to R410A, according to the table on the right.Use optional accessory flare nut at this time.
※ Check the installation manual attached to the outdoor unit for advisability on whether or not onsite (existing) pipes can be used.

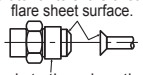


Pipe diameter (mm)	B size (mm)	
	R410A flare tool	R22/R407C flare tool
	Clutch type	
ø 6.35(1/4")	0 - 0.5	1.0 - 1.5
ø 9.52(3/8")	0 - 0.5	1.0 - 1.5
ø12.70(1/2")	0 - 0.5	1.0 - 1.5
ø15.88(5/8")	0 - 0.5	1.0 - 1.5

※ When flare processing for refrigerant R410A is applied using current tool, refer to the table above. B size can be secured using copper pipe gauge for margin adjustment.

Outer diameter of copper pipe (mm)	Processing size of flare section (mm)	Flare shape
ø6.35	8.7 - 9.1	
ø9.52	12.8 - 13.2	
ø12.70	16.2 - 16.6	
ø15.88	19.3 - 19.7	

2) Remove caps (both ends) for protection against mixing of foreign materials from optional part, and thinly apply refrigerat or oil (locally procured) on flare surface.

Refrigerator oil application point
Apply refrigerator oil to entire circumference of flare sheet surface.

※ Do not apply to thread section. (If applied to threads, flare nut can easily be loosened.)

3) Securely tighten flare nut using torque wrench according to the table on the right.

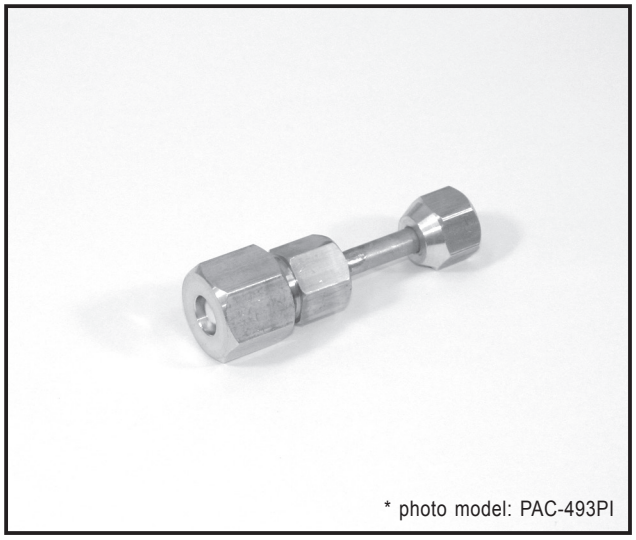
〈Proper tightening torque using torque wrench〉

Outer diameter of copper pipe (mm)	Tightening torque N•m (kgf•cm)
ø6.35	14 - 18(140 - 180)
ø9.52	34 - 42(340 - 420)
ø12.70	49 - 61(490 - 610)
ø15.88	68 - 82(680 - 820)

4) After refrigerant pipe is connected, be sure to perform gas leakage inspection for onsite connection pipes (including this optional part) and indoor/outdoor unit.
5) Heat insulation is necessary for this optional part: Wrap heat insulator (locally procured) around the onsite pipes and also the optional part (for dewdrop dripping prevention).
6) Perform test run according to the installation manual of the unit, making sure to also perform operation check.

Joint Pipe Unit ϕ9.52 → Pipe ϕ12.7 MAC-A454JP-E

Photo



* photo model: PAC-493PI

Descriptions

A part to connect refrigerant pipes of the different diameter. (Unit ϕ9.52 → ϕ12.7)

Applicable Models

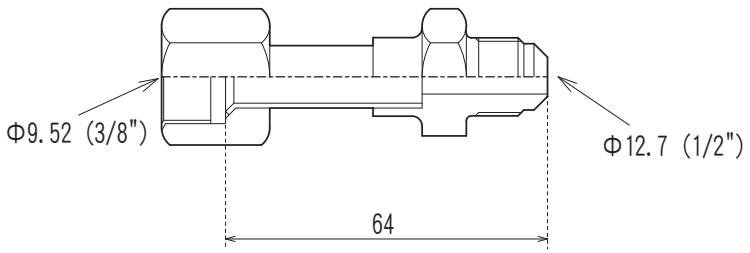
- MXZ-2D53VA2
- MXZ-2D53VAH2
- MXZ-3E54VA
- MXZ-3E68VA
- MXZ-2F53VF3
- MXZ-2F53VF3H
- MXZ-4E72VA
- MXZ-4E83VA
- MXZ-5E102VA
- MXZ-6D122VA2
- MXZ-3F54VF3
- MXZ-4F72VA3
- MXZ-2E53VAHZ
- MXZ-4E83VAHZ
- MXZ-3DM50VA
- MXZ-3F68VF3
- MXZ-4F80VF3
- MXZ-4F83VF
- MXZ-5F102VF
- MXZ-6F122VF

Specifications

Pipe diameter	Φ 9.52
Pipe material	C 1220T - OL

Dimensions

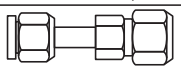
Unit: mm (inch)



How to Use / How to Install

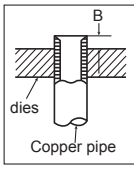
Make sure that you have all the following parts, in addition to this manual in this box:

Joint Pipe
PAC-SG76RJ-E (unit side:ø9.52 diameter, onsite pipe side:ø15.88 diameter)
PAC-493PI (unit side:ø6.32 diameter, onsite pipe side:ø9.52 diameter)
MAC-A454JP-E (unit side:ø9.52 diameter, onsite pipe side:ø12.7 diameter)
MAC-A455JP-E (unit side:ø12.7 diameter, onsite pipe side:ø9.52 diameter)
MAC-A456JP-E (unit side:ø12.7 diameter, onsite pipe side:ø15.88 diameter)

Unit side  Onsite piping side

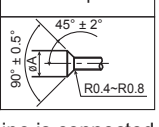
Installation procedure
(carefully read the following before installing.)
This optional part is used to connect indoor/outdoor unit to onsite pipes of different diameters.
※When installing this optional part, be sure to read "Refrigerant pipe connection" in the installation manual attached to outdoor unit.

1) Apply flare processing to onsite pipes to adapt to R410A, according to the table on the right.Use optional accessory flare nut at this time.
※Check the installation manual attached to the outdoor unit for advisability on whether or not onsite (existing) pipes can be used.

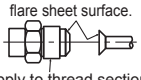


Pipe diameter (mm)	B size (mm)	
	R410A flare tool	R22/R407C flare tool
	Clutch type	
ø 6.35(1/4")	0 - 0.5	1.0 - 1.5
ø 9.52(3/8")	0 - 0.5	1.0 - 1.5
ø12.70(1/2")	0 - 0.5	1.0 - 1.5
ø15.88(5/8")	0 - 0.5	1.0 - 1.5

※When flare processing for refrigerant R410A is applied using current tool, refer to the table above. B size can be secured using copper pipe gauge for margin adjustment.

Outer diameter of copper pipe (mm)	Processing size of flare section (mm)	Flare shape
ø6.35	8.7 - 9.1	
ø9.52	12.8 - 13.2	
ø12.70	16.2 - 16.6	
ø15.88	19.3 - 19.7	

2) Remove caps (both ends) for protection against mixing of foreign materials from optional part, and thinly apply refrigerat or oil (locally procured) on flare surface.

Refrigerator oil application point
Apply refrigerator oil to entire circumference of flare sheet surface.  ※ Do not apply to thread section. (If applied to threads, flare nut can easily be loosened.)

3) Securely tighten flare nut using torque wrench according to the table on the right.

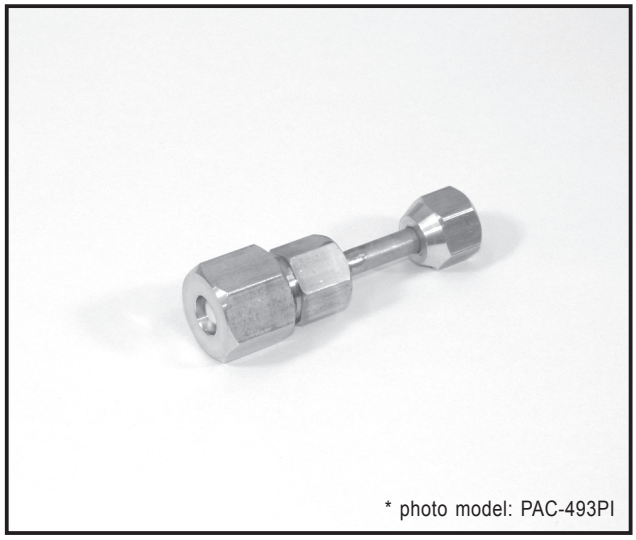
〈Proper tightening torque using torque wrench〉

Outer diameter of copper pipe (mm)	Tightening torque N•m (kgf•cm)
ø6.35	14 - 18(140 - 180)
ø9.52	34 - 42(340 - 420)
ø12.70	49 - 61(490 - 610)
ø15.88	68 - 82(680 - 820)

4) After refrigerant pipe is connected, be sure to perform gas leakage inspection for onsite connection pipes (including this optional part) and indoor/outdoor unit.
5) Heat insulation is necessary for this optional part: Wrap heat insulator (locally procured) around the onsite pipes and also the optional part (for dewdrop dripping prevention).
6) Perform test run according to the installation manual of the unit, making sure to also perform operation check.

Joint Pipe Unit ϕ12.7 → Pipe ϕ9.52 MAC-A455JP-E

Photo



* photo model: PAC-493PI

Descriptions

A part to connect the refrigerant pipes of the different diameter. (Unit ϕ12.7 → ϕ9.52)

Applicable Models

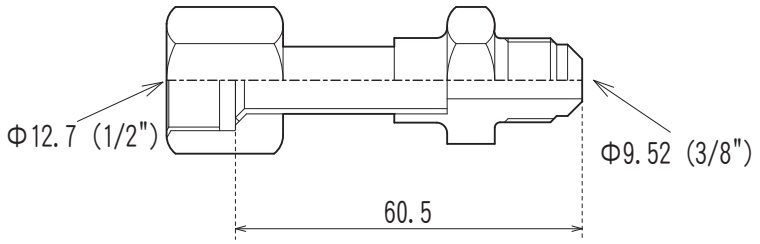
- MXZ-4E72VA
- MXZ-4E83VA
- MXZ-5E102VA
- MXZ-6D122VA2
- MXZ-4E83VAHZ
- MXZ-4F72VF3
- MXZ-4F80VF3
- MXZ-4F83VF
- MXZ-5F102VF
- MXZ-6F122VF
- SUZ-M35VA
- SUZ-KA35VA6

Specifications

Pipe diameter	Φ 12.7
Pipe material	C 1220T - OL

Dimensions

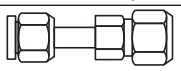
Unit: mm (inch)



How to Use / How to Install

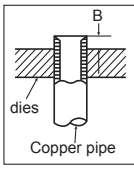
Make sure that you have all the following parts, in addition to this manual in this box:

Joint Pipe
PAC-SG76RJ-E (unit side:ø9.52 diameter, onsite pipe side:ø15.88 diameter)
PAC-493PI (unit side:ø6.32 diameter, onsite pipe side:ø9.52 diameter)
MAC-A454JP-E (unit side:ø9.52 diameter, onsite pipe side:ø12.7 diameter)
MAC-A455JP-E (unit side:ø12.7 diameter, onsite pipe side:ø9.52 diameter)
MAC-A456JP-E (unit side:ø12.7 diameter, onsite pipe side:ø15.88 diameter)

Unit side  Onsite piping side

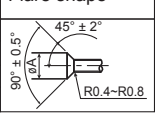
Installation procedure
(carefully read the following before installing.)
This optional part is used to connect indoor/outdoor unit to onsite pipes of different diameters.
※ When installing this optional part, be sure to read "Refrigerant pipe connection" in the installation manual attached to outdoor unit.

1) Apply flare processing to onsite pipes to adapt to R410A, according to the table on the right.Use optional accessory flare nut at this time.
※ Check the installation manual attached to the outdoor unit for advisability on whether or not onsite (existing) pipes can be used.

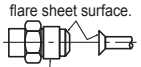


Pipe diameter (mm)	B size (mm)	
	R410A flare tool	R22/R407C flare tool
	Clutch type	
ø 6.35(1/4")	0 - 0.5	1.0 - 1.5
ø 9.52(3/8")	0 - 0.5	1.0 - 1.5
ø12.70(1/2")	0 - 0.5	1.0 - 1.5
ø15.88(5/8")	0 - 0.5	1.0 - 1.5

※ When flare processing for refrigerant R410A is applied using current tool, refer to the table above. B size can be secured using copper pipe gauge for margin adjustment.

Outer diameter of copper pipe (mm)	Processing size of flare section (mm)	Flare shape
ø6.35	8.7 - 9.1	
ø9.52	12.8 - 13.2	
ø12.70	16.2 - 16.6	
ø15.88	19.3 - 19.7	

2) Remove caps (both ends) for protection against mixing of foreign materials from optional part, and thinly apply refrigerat or oil (locally procured) on flare surface.

Refrigerator oil application point
Apply refrigerator oil to entire circumference of flare sheet surface.  ※ Do not apply to thread section. (If applied to threads, flare nut can easily be loosened.)

3) Securely tighten flare nut using torque wrench according to the table on the right.

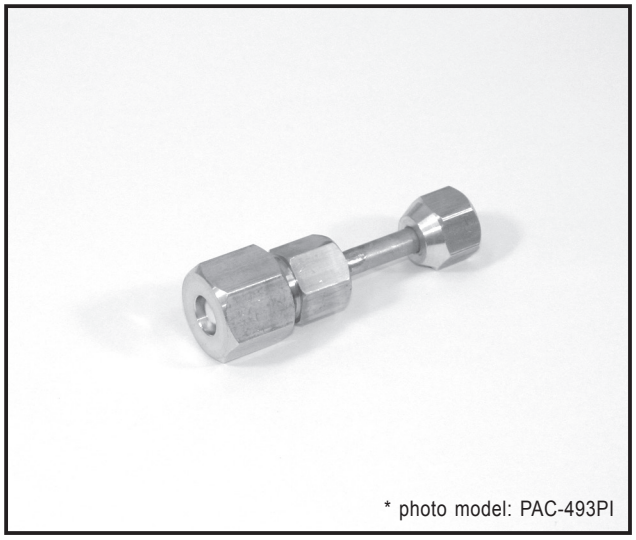
〈Proper tightening torque using torque wrench〉

Outer diameter of copper pipe (mm)	Tightening torque N•m (kgf•cm)
ø6.35	14 - 18(140 - 180)
ø9.52	34 - 42(340 - 420)
ø12.70	49 - 61(490 - 610)
ø15.88	68 - 82(680 - 820)

4) After refrigerant pipe is connected, be sure to perform gas leakage inspection for onsite connection pipes (including this optional part) and indoor/outdoor unit.
5) Heat insulation is necessary for this optional part: Wrap heat insulator (locally procured) around the onsite pipes and also the optional part (for dewdrop dripping prevention).
6) Perform test run according to the installation manual of the unit, making sure to also perform operation check.

Joint Pipe Unit ϕ12.7 → Pipe ϕ15.88 MAC-A456JP-E

Photo



* photo model: PAC-493PI

Descriptions

A part to connect refrigerant pipes of the different diameter. (Unit ϕ12.7 → ϕ15.88)

Applicable Models

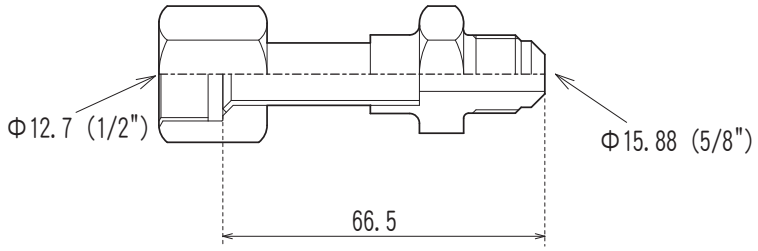
- MXZ-4E72VA
- MXZ-4E83VA
- MXZ-5E102VA
- MXZ-6D122VA2
- MXZ-4E83VAHZ
- MXZ-4F72VF3
- MXZ-4F80VF3
- MXZ-4F83VF
- MXZ-5F102VF
- MXZ-6F122VF

Specifications

Pipe diameter	Φ 12.7
Pipe material	C 1220T - OL

Dimensions

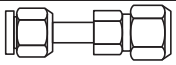
Unit: mm (inch)



How to Use / How to Install

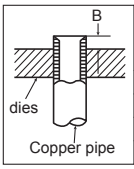
Make sure that you have all the following parts, in addition to this manual in this box:

Joint Pipe
PAC-SG76RJ-E (unit side:ø9.52 diameter, onsite pipe side:ø15.88 diameter)
PAC-493PI (unit side:ø6.32 diameter, onsite pipe side:ø9.52 diameter)
MAC-A454JP-E (unit side:ø9.52 diameter, onsite pipe side:ø12.7 diameter)
MAC-A455JP-E (unit side:ø12.7 diameter, onsite pipe side:ø9.52 diameter)
MAC-A456JP-E (unit side:ø12.7 diameter, onsite pipe side:ø15.88 diameter)

Unit side  Onsite piping side

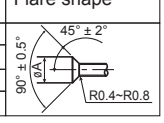
Installation procedure
(carefully read the following before installing.)
This optional part is used to connect indoor/outdoor unit to onsite pipes of different diameters.
※ When installing this optional part, be sure to read "Refrigerant pipe connection" in the installation manual attached to outdoor unit.

1)Apply flare processing to onsite pipes to adapt to R410A, according to the table on the right.Use optional accessory flare nut at this time.
※Check the installation manual attached to the outdoor unit for advisability on whether or not onsite (existing) pipes can be used.

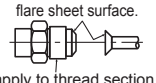


Pipe diameter (mm)	B size (mm)	
	R410A flare tool	R22/R407C flare tool
	Clutch type	
ø 6.35(1/4")	0 - 0.5	1.0 - 1.5
ø 9.52(3/8")	0 - 0.5	1.0 - 1.5
ø12.70(1/2")	0 - 0.5	1.0 - 1.5
ø15.88(5/8")	0 - 0.5	1.0 - 1.5

※When flare processing for refrigerant R410A is applied using current tool, refer to the table above. B size can be secured using copper pipe gauge for margin adjustment.

Outer diameter of copper pipe (mm)	Processing size of flare section (mm)	Flare shape
ø6.35	8.7 - 9.1	
ø9.52	12.8 - 13.2	
ø12.70	16.2 - 16.6	
ø15.88	19.3 - 19.7	

2) Remove caps (both ends) for protection against mixing of foreign materials from optional part, and thinly apply refrigerat or oil (locally procured) on flare surface.

Refrigerator oil application point
Apply refrigerator oil to entire circumference of flare sheet surface.

※ Do not apply to thread section. (If applied to threads, flare nut can easily be loosened.)

3) Securely tighten flare nut using torque wrench according to the table on the right.

〈Proper tightening torque using torque wrench〉

Outer diameter of copper pipe (mm)	Tightening torque N•m (kgf•cm)
ø6.35	14 - 18(140 - 180)
ø9.52	34 - 42(340 - 420)
ø12.70	49 - 61(490 - 610)
ø15.88	68 - 82(680 - 820)

4) After refrigerant pipe is connected, be sure to perform gas leakage inspection for onsite connection pipes (including this optional part) and indoor/outdoor unit.

5) Heat insulation is necessary for this optional part: Wrap heat insulator (locally procured) around the onsite pipes and also the optional part (for dewdrop dripping prevention).

6) Perform test run according to the installation manual of the unit, making sure to also perform operation check.

Filter Dryer (for Liquid Pipe of ϕ6.35) PAC-SG81DR-E

Photo

Descriptions

Removes minute dirt particles in the refrigerant pipe, when replacing an air-conditioning unit. (for Liquid Pipe of ø6.35)

Applicable Models

- PUZ-ZM35VKA
- PUZ-ZM50VKA

[R32 type]

- PUHZ-ZRP35VKA2
- PUHZ-ZRP50VKA2

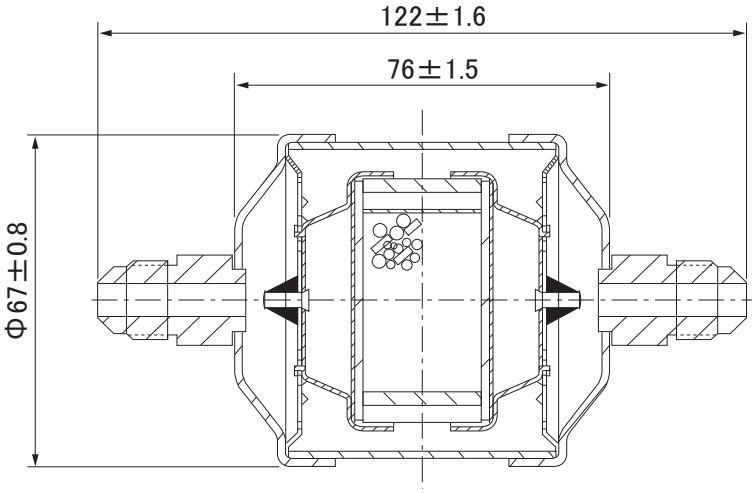
[R410A type]

Specifications

Pipe size	Liquid side: Ø6.35 flare
Applicable refrigerant	R407C / R410A

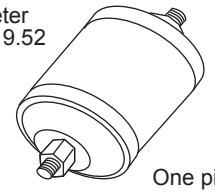
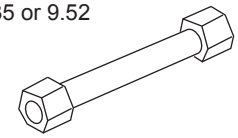
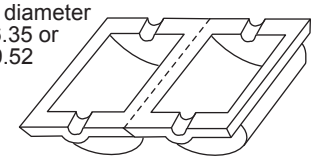
Dimensions

Unit: mm



How to Use / How to Install

Make sure that you have all the following parts.

①Filter dryer	②Connection pipe	③Heat insulator
PAC-SG81DR-E (for diameter of Ø6.35) PAC-SG82DR-E (for diameter of Ø9.52)	PAC-SG81DR-E (for diameter of Ø6.35) PAC-SG82DR-E (for diameter of Ø9.52)	PAC-SG81DR-E (for diameter of Ø6.35) PAC-SG82DR-E (for diameter of Ø9.52)
For diameter of 6.35 or 9.52  One piece	For diameter of 6.35 or 9.52  One piece	For diameter of 6.35 or 9.52  One piece

Installation Procedures (carefully read the following before installation.)

Cautions:

1) This optional part is used to remove moisture within refrigerant pipe to prevent compressor failures. However, if too much impurity inside refrigerant cycle has accumulated, such as amount of mixed moisture, dryer must be replaced after one season elapses. (Amount of allowable moisture absorption: 3 -7 cc)
2) Install the filter dryer to refrigerant pipe mid way on liquid side.
3) Filter dryer can be installed outside of the unit. Installation inside the unit is possible only when installation space can be secured.

1 Preparation for installation

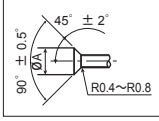
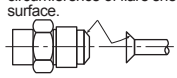
In the following parts, the installation for PUHZ-RP3VHA is highlighted as a representive.

•1)Refer to the installation manual of the unit for procedure of refrigerant piping and vacuuming, etc.
Remove the panel from outdoor unit. (See Fig. 1.)

•2)Removing the panel
Remove the service panel, front pipe cover and back pipe cover.
Remove back pipe cover only when taking it from back pipe.

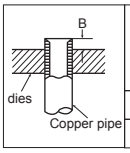
•3)Pipe connection
- When bending pipe, take bending R (R100-R150) just enough, and take care that pipe des not fold.
- Apply pipe processing without touching compressor. (If the pipe touches, it may cause abnormal sound or vibration.)
- Apply flare processing to connection pipe, arranging this on site.
- Thinly apply refrigerator oil (locally procured) to flare sheet surface.

Outer diameter of copper pipe (mm)	Processing size of flare section (mm)
ø6.35	8.7 - 9.1
ø9.52	12.8 - 13.2

Flare shape	Refrigerator oil application point
	Apply refrigerator oil to entire circumference of flare sheet surface. 

〈Proper tightening torque using torque wrench〉

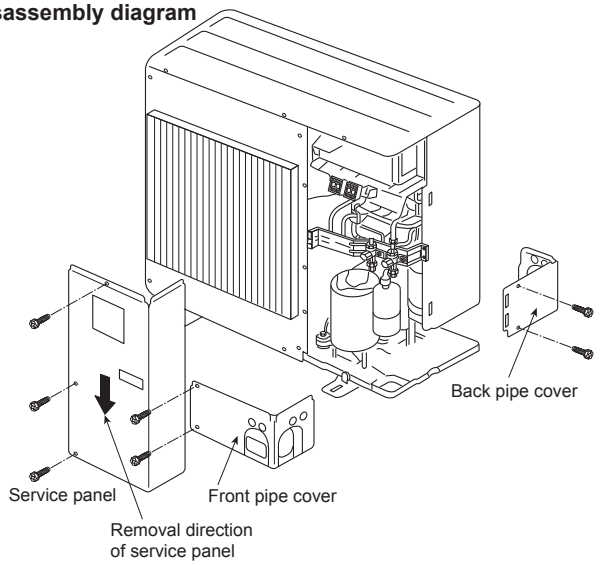
Outer diameter of copper pipe (mm)	Tightening torque N•m (kgf•cm)
ø6.35	14 - 18 (140 - 180)
ø9.52	34 - 42 (340 - 420)



Pipe diameter (mm)	B size (mm)	
	R410A flare tool	R22, R407C flare tool
	Clutch type	
ø 6.35(1/4")	0 - 0.5	1.0 - 1.5
ø 9.52(3/8")	0 - 0.5	1.0 - 1.5

※When flare processing for refrigerant R410A is applied using current tool, refer to the table above. B size can be secured using copper pipe gauge for margin adjustment.

[Fig. 1]
Panel disassembly diagram

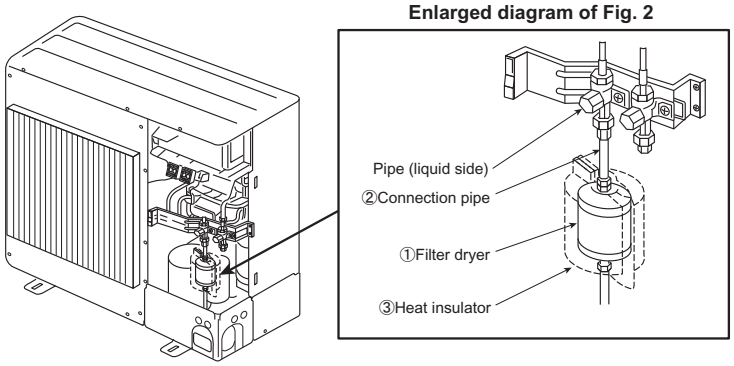


2 Installation of Filter dryer

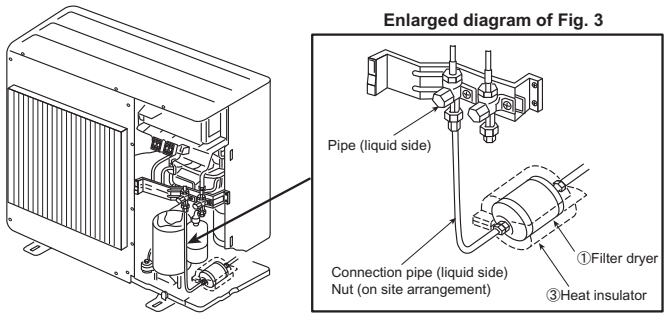
Be sure to install filter dryer on liquid side (narrow side).

・1） When filter dryer is being installed inside the unit, refer to Figs 2 and 3, according to the installation space for dryer. If installation space for dryer cannot be secured, install it outside of the unit.Install referring to Item 2-ii).

【Fig. 2】
Filter dryer installation diagram (Installation inside the unit)

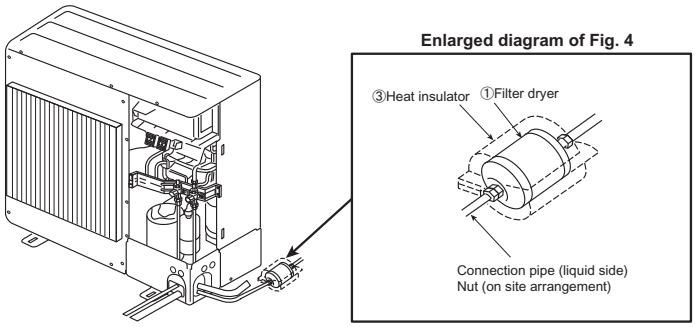


【Fig. 3】
Filter dryer installation diagram (horizontal installation inside the unit)



2） When installing outside of the unit, install it at optional position of extension pipe. Make and arrange connection pipe on the site. (See Fig. 4.)

【Fig. 4】
Filter dryer installation diagram (Installation outside of the unit)



3） Perform heat insulation work. (To prevent dewdrops forming)

・After dryer is installed, wrap heat insulator around dryer section.

※Apply taping to joint of heat insulator ensuring that there is no gap. Also wrap heat insulator around pipe.

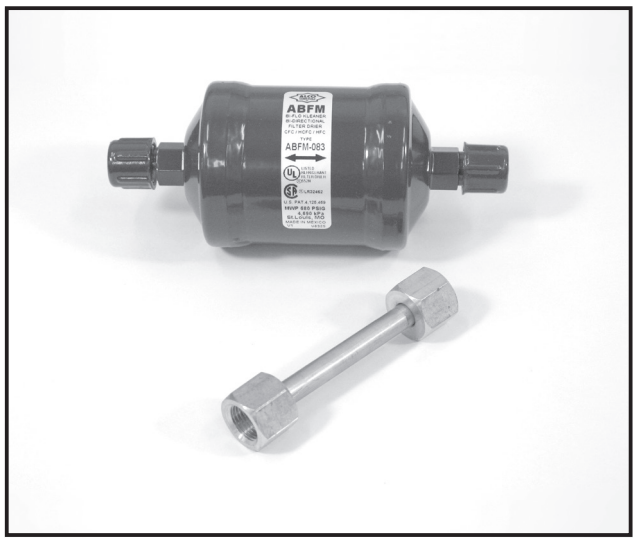
3 Filter dryer installation is now complete. Reattach service panel as it was.

4 Test run

1） Perform test run according to the installation manual of the unit, and be sure to perform gas leak check and operation check.

Filter Dryer (for Liquid Pipe of ϕ9.52) PAC-SG82DR-E

Photo



Descriptions

Removes minute dirt particles in the refrigerant pipe, when replacing an air-conditioning unit. (for Liquid Pipe of ϕ9.52)

Applicable Models

- PUZ-ZM60,71VHA
- PUZ-ZM100,125,140VKA
- PUZ-ZM100,125,140YKA
- PUZ-ZM200YKA
- PUZ-M100,125,140VKA
- PUZ-M100,125,140YKA
- PUZ-M200YKA

[R32 type]

- PUHZ-ZRP60,71VHA2
- PUHZ-ZRP100,125,140YKA3
- PUHZ-ZRP100,125,140VKA3
- PUHZ-ZRP200YKA3
- PUHZ-P100,125,140VKA
- PUHZ-P100,125,140YKA
- PUHZ-P200YKA3
- PUHZ-SHW112VHA
- PUHZ-SHW112,140YHA

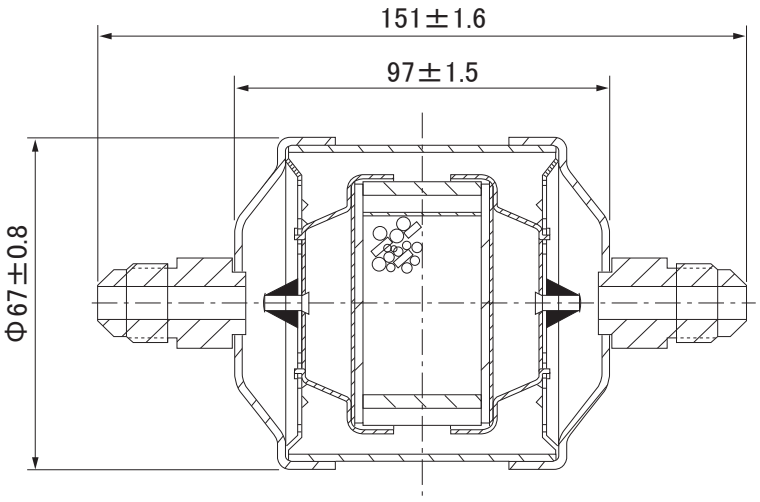
[R410A type]

Specifications

Pipe size	Liquid side: Ø 9.52 flare
Applicable refrigerant	R407C / R410A

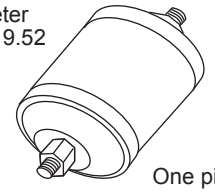
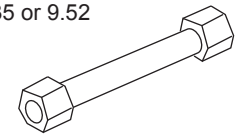
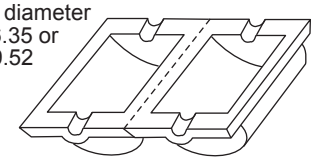
Dimensions

Unit: mm



How to Use / How to Install

Make sure that you have all the following parts.

①Filter dryer	②Connection pipe	③Heat insulator
PAC-SG81DR-E (for diameter of ø6.35) PAC-SG82DR-E (for diameter of ø9.52)	PAC-SG81DR-E (for diameter of ø6.35) PAC-SG82DR-E (for diameter of ø9.52)	PAC-SG81DR-E (for diameter of ø6.35) PAC-SG82DR-E (for diameter of ø9.52)
For diameter of 6.35 or 9.52  One piece	For diameter of 6.35 or 9.52  One piece	For diameter of 6.35 or 9.52  One piece

Installation Procedures (carefully read the following before installation.)

Cautions:
1) This optional part is used to remove moisture within refrigerant pipe to prevent compressor failures. However, if too much impurity inside refrigerant cycle has accumulated, such as amount of mixed moisture, dryer must be replaced after one season elapses. (Amount of allowable moisture absorption: 3 -7 cc)
2) Install the filter dryer to refrigerant pipe mid way on liquid side.
3) Filter dryer can be installed outside of the unit. Installation inside the unit is possible only when installation space can be secured.

1 Preparation for installation

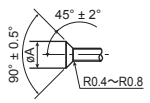
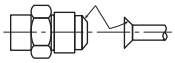
In the following parts, the installation for PUHZ-RP3VHA is highlighted as a representive.

•1)Refer to the installation manual of the unit for procedure of refrigerant piping and vacuuming, etc.
Remove the panel from outdoor unit. (See Fig. 1.)

•2)Removing the panel
Remove the service panel, front pipe cover and back pipe cover.
Remove back pipe cover only when taking it from back pipe.

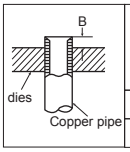
•3)Pipe connection
・When bending pipe, take bending R (R100 - R150) just enough, and take care that pipe des not fold.
・Apply pipe processing without touching compressor. (If the pipe touches, it may cause abnormal sound or vibration.)
・Apply flare processing to connection pipe, arranging this on site.
・Thinly apply refrigerator oil (locally procured) to flare sheet surface.

Outer diameter of copper pipe (mm)	Processing size of flare section (mm)
ø6.35	8.7 - 9.1
ø9.52	12.8 - 13.2

Flare shape	Refrigerator oil application point
	Apply refrigerator oil to entire circumference of flare sheet surface. 

〈Proper tightening torque using torque wrench〉

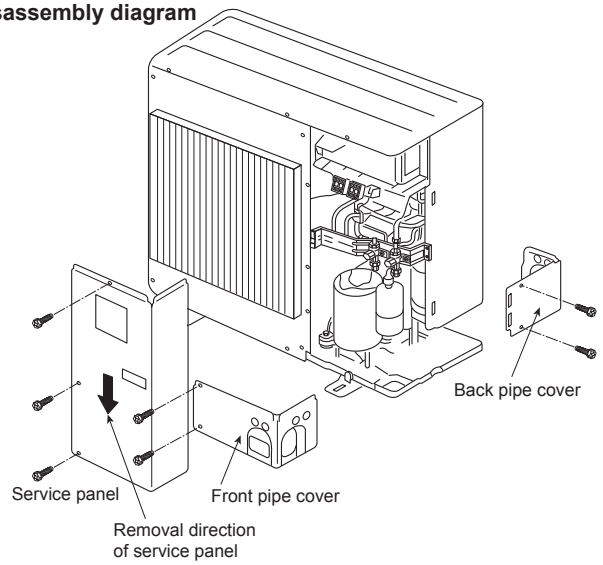
Outer diameter of copper pipe (mm)	Tightening torque N•m(kgf•cm)
ø6.35	14 - 18(140 - 180)
ø9.52	34 - 42(340 - 420)



Pipe diameter (mm)	B size (mm)	
	R410A flare tool	R22, R407C flare tool
	Clutch type	
ø6.35(1/4")	0 - 0.5	1.0 - 1.5
ø9.52(3/8")	0 - 0.5	1.0 - 1.5

※When flare processing for refrigerant R410A is applied using current tool, refer to the table above. B size can be secured using copper pipe gauge for margin adjustment.

[Fig.1]
Panel disassembly diagram

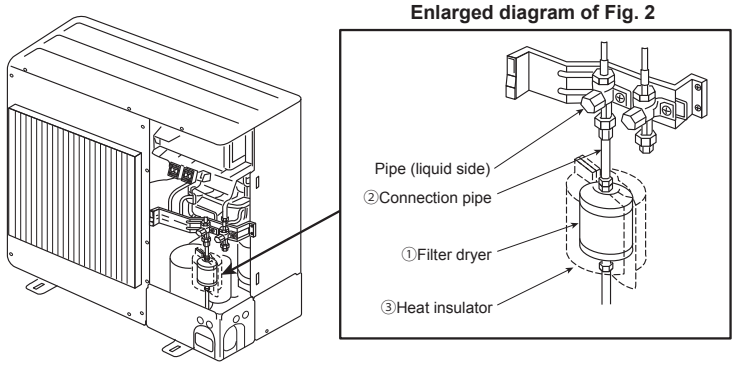


2 Installation of Filter dryer

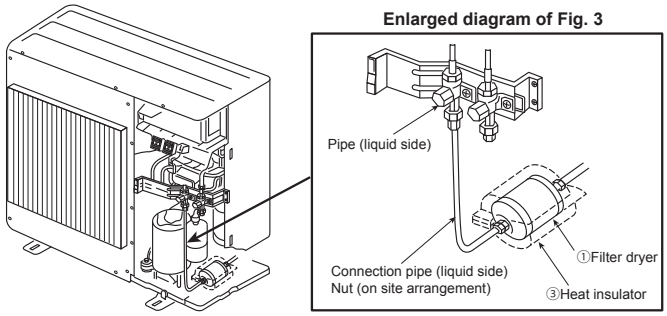
Be sure to install filter dryer on liquid side (narrow side).

·1) When filter dryer is being installed inside the unit, refer to Figs 2 and 3, according to the installation space for dryer. If installation space for dryer cannot be secured, install it outside of the unit (see Fig. 4).

【Fig. 2】
Filter dryer installation diagram (Installation inside the unit)

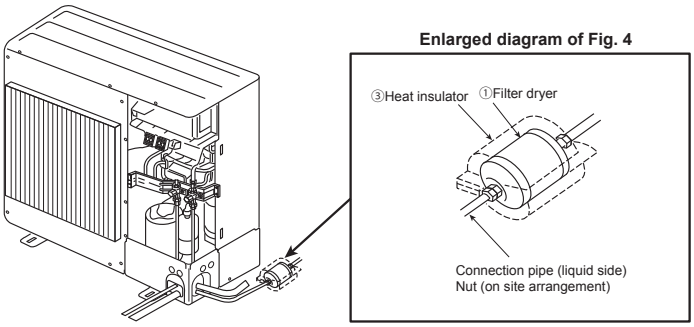


【Fig. 3】
Filter dryer installation diagram (horizontal installation inside the unit)



2) When installing outside of the unit, install it at optional position of extension pipe. Make and arrange connection pipe on the site. (See Fig. 4.)

【Fig. 4】
Filter dryer installation diagram (Installation outside of the unit)



3) Perform heat insulation work. (To prevent dewdrops forming)
· After dryer is installed, wrap heat insulator around dryer section.
※Apply taping to joint of heat insulator ensuring that there is no gap. Also wrap heat insulator around pipe.

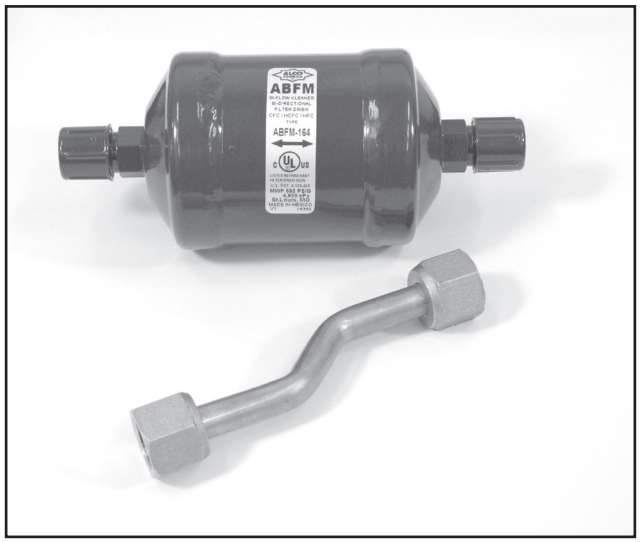
3 Filter dryer installation is now complete. Reattach service panel as it was.

4 Test run

1) Perform test run according to the installation manual of the unit, and be sure to perform gas leak check and operation check.

Filter Dryer (for Liquid Pipe of ϕ 12.7) PAC-SG85DR-E

Photo



Descriptions

Removes minute dirt particles in the refrigerant pipe. Is used when replacing an air-conditioning unit. (for Liquid Pipe of ϕ12.7)

Applicable Models

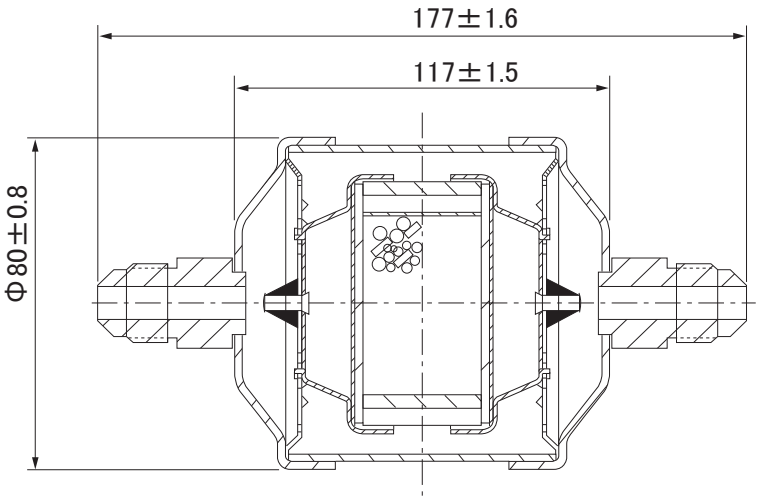
- PUHZ-ZRP250YKA3
- PUHZ-P250YKA3 [R410A type]
- PUZ-ZM250YKA
- PUZ-M250YKA [R32 type]

Specifications

Pipe size	Liquid side: Ø 12.7 flare
Applicable refrigerant	R407C / R410A

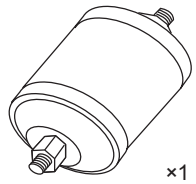
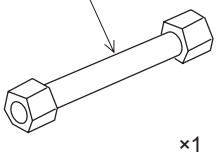
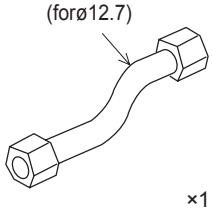
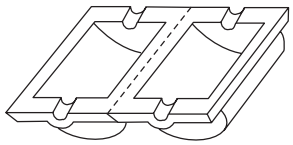
Dimensions

Unit: mm



How to Use / How to Install

Make sure that you have all the following parts.

①Filter dryer	②Connection pipe	③Heat insulator
 ×1	With PAC-SG81DR-E (forø6.35) or PAC-SG82DR-E (forø9.52)  ×1 or With PAC-SG85DR-E (forø12.7)  ×1	 ×1

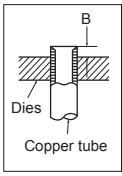
Installation Procedures (carefully read the following before installing)

Cautions
1) This optional part is used to remove moisture inside the refrigerant pipe and prevent fault of compressor. However, if there is excessive contamination inside the refrigerant cycle, such as a large amount of mixed moisture, etc., the dryer must be replaced after it is used during one season (the amount of allowable moisture absorption: 3-7 cc).
2) Install the filter dryer to refrigerant pipe midway on liquid side, using flare connection.
3) The filter dryer can be attached outside the unit. It can also be attached to the inside of unit only if the space for installation can be secured

1 Preparations for Installation

i) Refer to the installation manual of outdoor unit for the procedures of removing outdoor unit panel, refrigerant piping, vacuuming, etc.
ii) Removing panel
- Remove the service panel and cover.

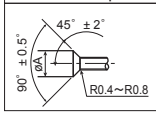
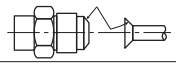
iii) Connecting pipes
- When bending pipe, allow enough bending R (R100-150), and take care that the pipe is not folded.
- Lay out the pipe so that it does not come into contact with the compressor. (Being in contact could cause abnormal sound or vibrations.)
- Apply flare processing to the connection pipe procured at local site.
- Thinly coat the flare sheet surface with refrigerant oil (procured at local site).



Pipe diameter (mm)	Dimension B (mm)	
	R410A flare tool	R22/R407C flare tool
	Clutch type	
ø6.35(1/4")	0 － 0.5	1.0 － 1.5
ø9.52 (3/8")	0 － 0.5	1.0 － 1.5
ø12.7 (1/2")	0 － 0.5	1.0 － 1.5

※Use the above table as a reference when processing the flare for refrigerant R410A using the conventional tool. Dimension B can be secured when using a copper pipe gauge for outgoing margin adjustment.

Outer diameter of copper pipe (mm)	Processing size of flare portion øA (mm)
ø6.35	8.7 － 9.1
ø9.52	12.8 － 13.2
ø12.7	16.2 － 16.6

Flare shape	Refrigerant oil coating point
	Coat the entire circumference of sheet surface with refrigerant oil. 

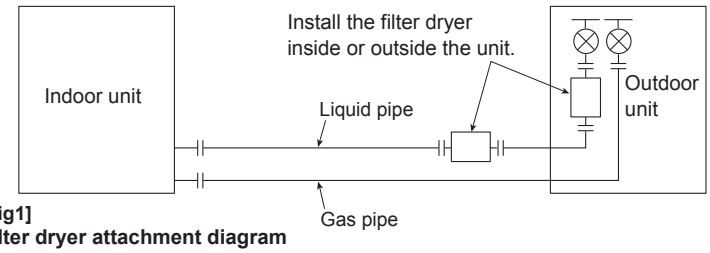
〈Appropriate tightening force with torque wrench〉

Outer diameter of copper pipe (mm)	Tightening force N.m (kgf-cm)
ø6.35	14 － 18（140 － 180）
ø9.52	34 － 42（340 － 420）
ø12.7	49 － 61（490 － 610）

2 Installing Filter Dryer

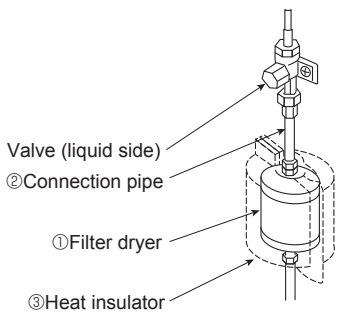
Be sure to attach the filter dryer on the liquid pipe (narrower one)

i) When installing the filter dryer inside the unit, refer to Fig. 1 or Fig. 2 according to the space in unit and install it. If there is no space for the dryer to be installed in unit, install it outside the unit (see Fig. 3).

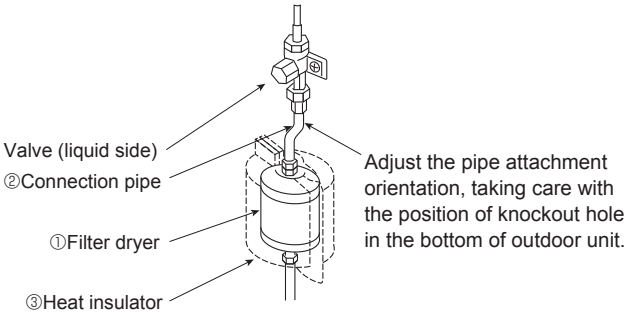


[Fig1]
Filter dryer attachment diagram
(installing in unit)

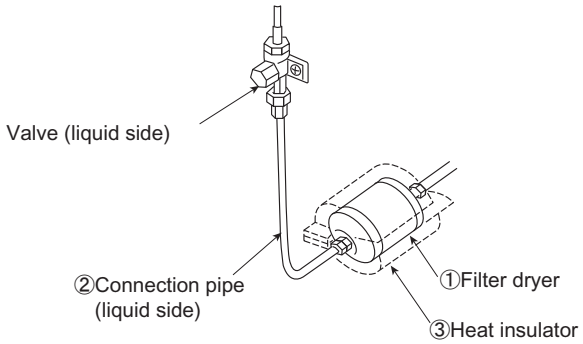
With PAC-SG81DR-E or PAC-SG82DR-E



With PAC-SG85DR-E

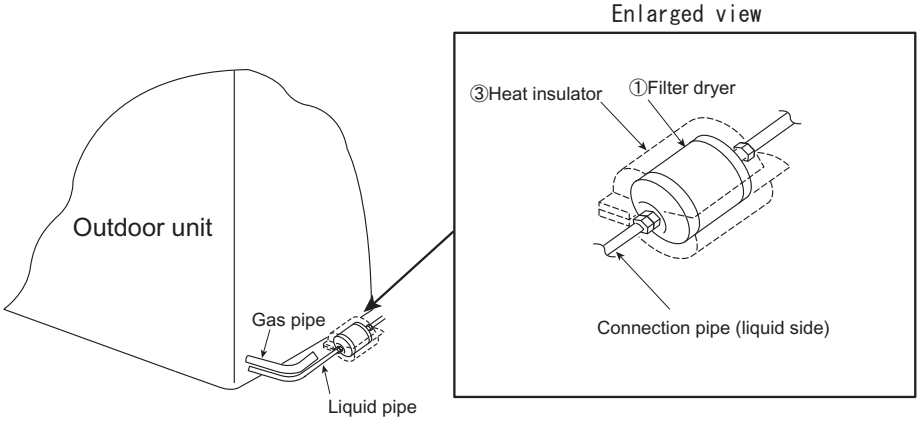


【Fig2】Filter dryer attachment diagram (horizontal attachment in unit)



ii) When installing the filter dryer outside the unit, attach it to any position of extended pipe.
Procore the connection pipe at local site.

【Fig3】Filter dryer attachment diagram (attachment outside unit)



iii) Heat insulation (to prevent dripping)
- After attaching the filter dryer, wrap the heat insulator around the dryer.
  ※Tape the seam of heat insulator so that no gap is produced.
- Also wrap heat insulator around other pipes.

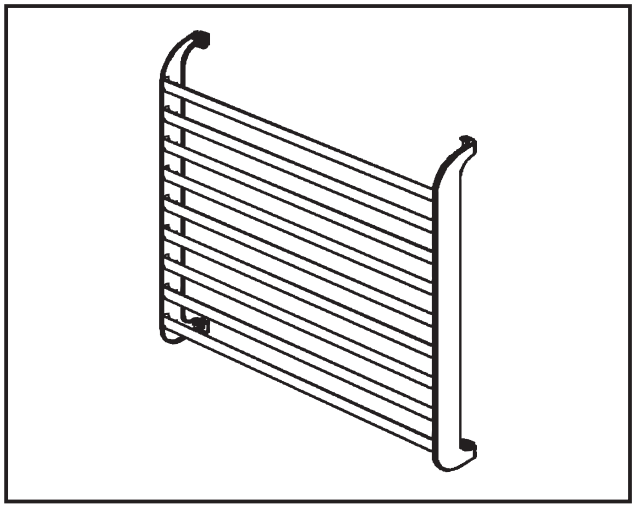
3 The attachment of filter dryer is now complete.

Reattach the service panels, etc. to the original position.

4 Test Run

i) Perform test run according to the installation manual of unit, and be sure to execute gas leakage check and operation check.

Figure



Descriptions

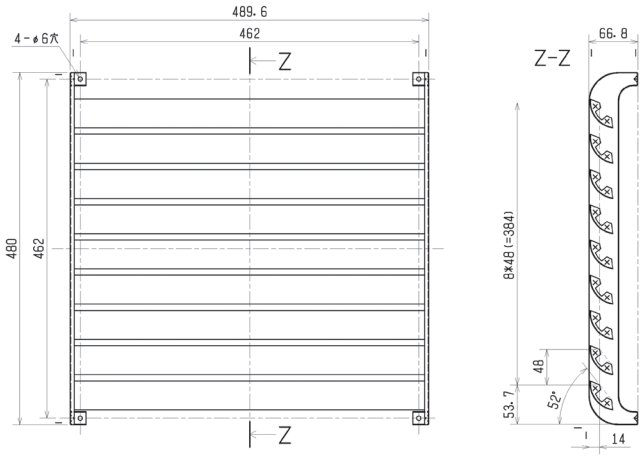
The air outlet guide changes the direction of air from the outdoor unit and prevents short cycling.

Applicable Models

- MUZ-LN25VG
- MUZ-LN25VGHZ
- MUZ-LN35VG
- MUZ-LN35VGHZ
- MUZ-FT25VGHZ
- MSZ-AP25VG(H)
- MSZ-AP35VG(H)
- MSZ-AP42VG(H)
- MUZ-EF25VE
- MUZ-EF25VEH
- MUZ-EF35VE
- MUZ-EF35VEH
- MUZ-EF42VE
- MUZ-BT50VG
- MUZ-HR42VF
- MUZ-HR50VF
- MUY-TP35VF
- MUY-TP50VF
- MUZ-FH25VE
- MUZ-FH25VEHZ
- MUZ-FH35VE
- MUZ-FH35VEHZ
- MUZ-SF25VE
- MUZ-SF25VEH
- MUZ-SF35VE
- MUZ-SF35VEH
- MUZ-SF42VE
- MUZ-SF42VEH
- MUZ-HJ50VA
- MUFZ-KJ25VE
- MUFZ-KJ25VEHZ
- MUFZ-KJ35VE
- MUFZ-KJ35VEHZ
- SUZ-M25VA
- SUZ-M35VA
- SUZ-KA25VA6
- SUZ-KA35VA6
- MXZ-2D33VA
- MXZ-2D42VA2
- MXZ-2D53VA2
- MXZ-2D53VAH2
- MXZ-2DM40VA
- MXZ-2F33VF3
- MXZ-2F42VF3
- MXZ-2F53VF3
- MXZ-2F53VF3H

Dimensions

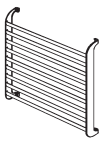
Unit: mm



Specifications

Exterior	Color (Munsell)	Ivory (3.0Y 7.8/1.1)
	Surface treatment	Polyestel powder coating
	Material	Electro-galvanized steel sheet
Weight		1.6 kg

Components

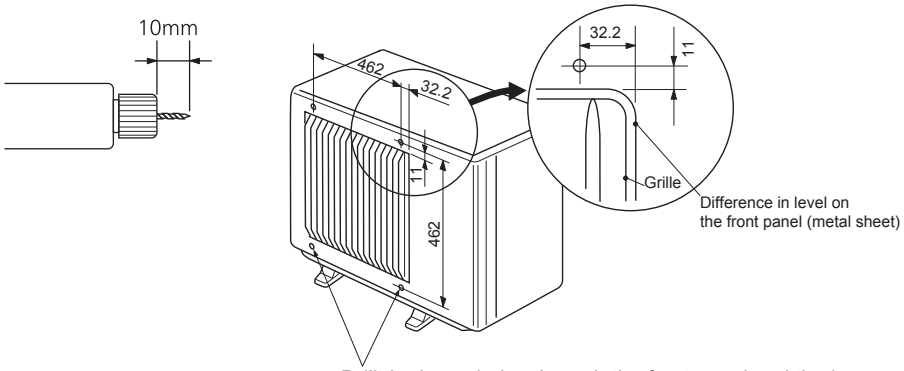
① Air outlet guide ×1	② Screw M5 x 10 × 4
	

How to Use / How to Install

1. Preparations

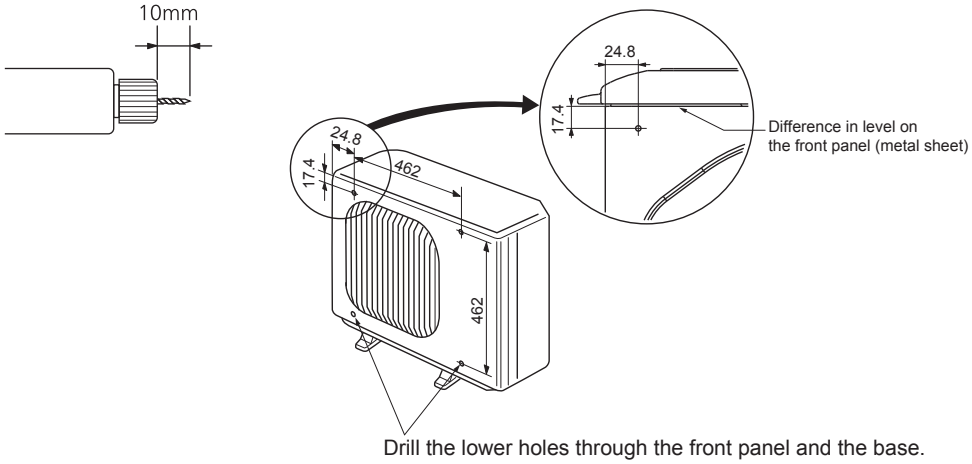
For 800(W) x 550(H) x 285(D) outdoor units

- Remove the front panel from the outdoor unit.
- Drill Ø4.0 mm screw holes in the front panel at the 4 locations shown below.
- The length of the drill bit should be about 10 mm as shown in the figure below. If the drill bit is too long, it may damage the parts inside the outdoor unit.



Drill the lower holes through the front panel and the base.

For 684(W) x 540(H) x 255(D) outdoor units
- Remove the front panel from the outdoor unit.
- Drill Ø4.0 mm screw holes in the front panel at the 4 locations shown below.
- The length of the drill bit should be about 10 mm as shown in the figure below. If the drill bit is too long, it may damage the parts inside the outdoor unit.

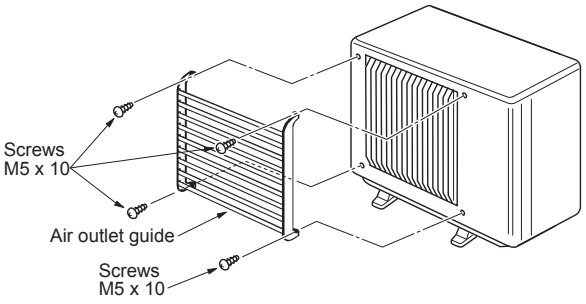


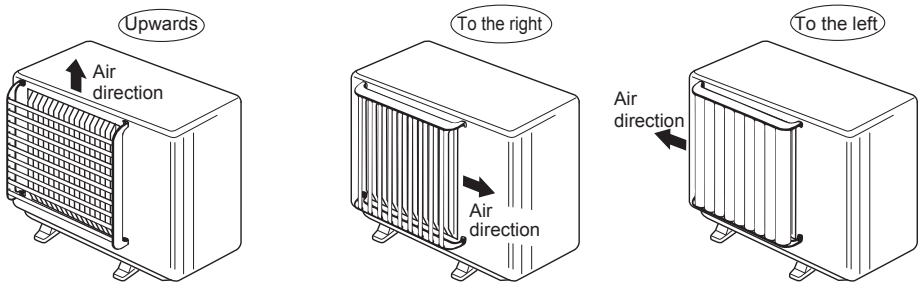
2. Attaching the air outlet guide

- Attach the air outlet guide to the outdoor unit with the 4 screws provided with the air outlet guide.
- The air outlet guide is allowed to be installed in any of the following directions so that air blows upwards, to the left, or to the right.

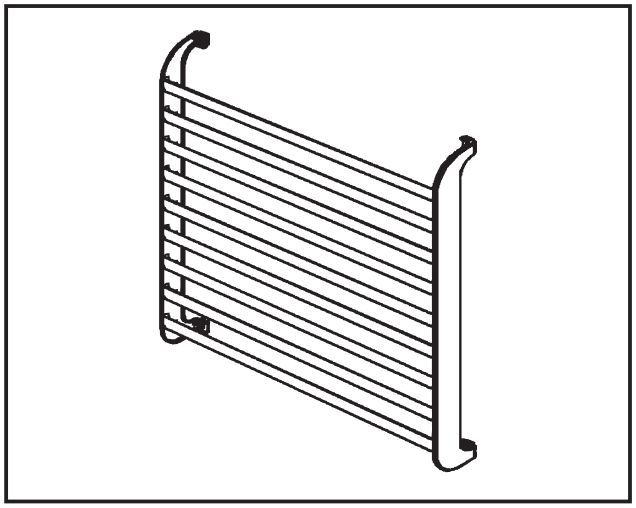
  * Do not install the air outlet guide in the downward direction, or it may cause short cycling.

Note: Tighten the screws securely.
A chattering sound could be produced due to vibration if the screws are loose.





Figure



Descriptions

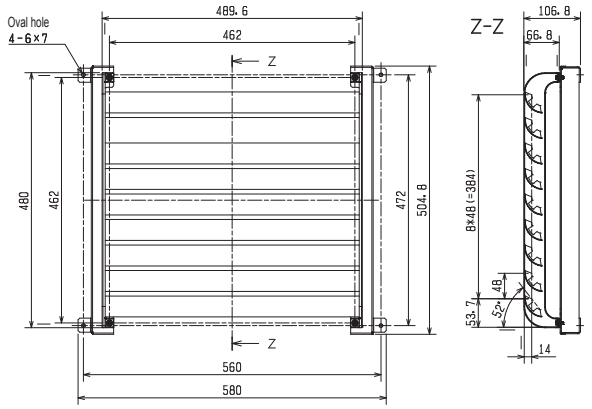
The air outlet guide changes the direction of air from the outdoor unit and prevents short cycling.

Applicable Models

- MUZ-LN50VG
- MUZ-FT35,50VGHZ
- MUZ-AP50VG(HZ)
- MUZ-AP60VG
- MUZ-EF50VE
- MUZ-HR60,71VF

Dimensions

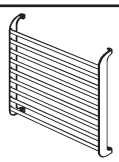
Unit: mm



Specifications

Exterior	Color (Munsell)	Ivory (3.0Y 7.8/1.1)
	Surface treatment	Polyestel powder coating
	Material	Electro-galvanized steel sheet
Weight		2.2 kg

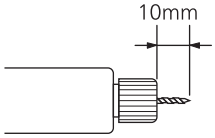
Components

① Air outlet guide ×1	② Screw M5 x 10 × 8	③ Guide support ×2
		

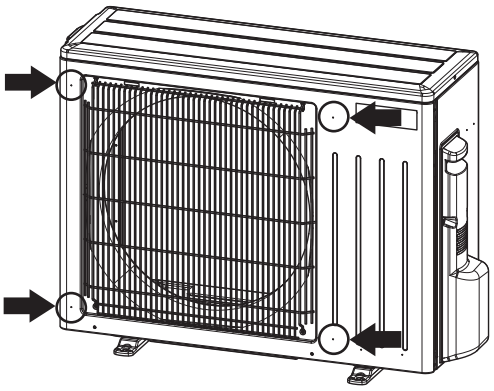
How to Use / How to Install

1. Preparations

- Drill Ø4.0 mm screw holes in the front panel at the 4 locations (depressed portions) shown below.
- The length of the drill bit should be about 10 mm as shown in the figure below. If the drill bit is too long, it may damage the parts inside the outdoor unit.

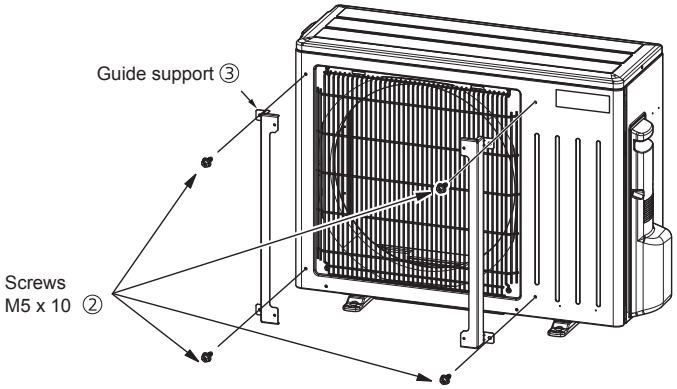


Depressed portions
(4 locations)



2. Attaching the guide support

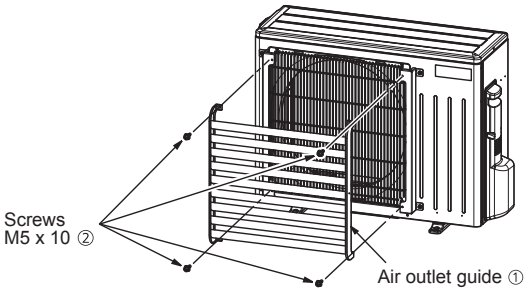
• Attach the guide support to the outdoor unit with the 4 screws (M5 x 10).
*Tghtening torque: 2.5-2.7N·m

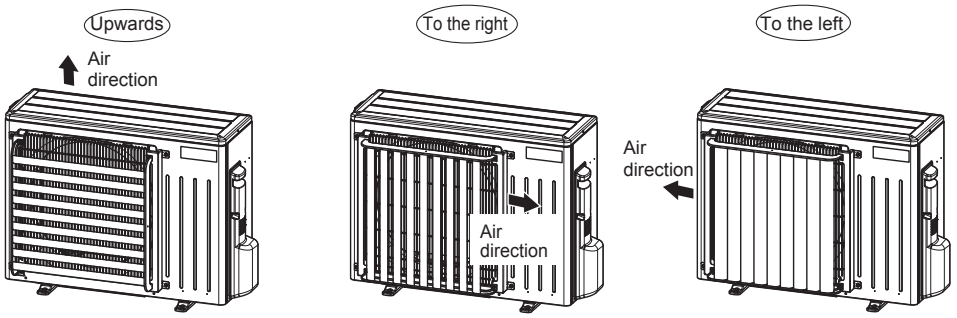


3. Attaching the air outlet guide

• Attach the air outlet guide to the outdoor unit with the 4 screws (M5 x 10).
*Tghtening torque: 2.5-2.7N·m
• The air outlet guide is allowed to be installed in any of the following directions so that air blows upwards, to the right, or to the left.
* Do not install the air outlet guide in the downward direction, or it may cause short cycling.

Note: Tighten the screws securely.
A chattering sound could be produced due to vibration if the screws are loose.

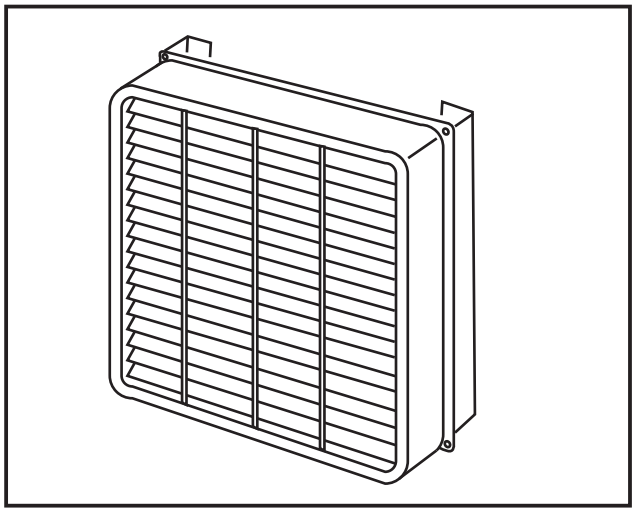




Air Outlet Guide

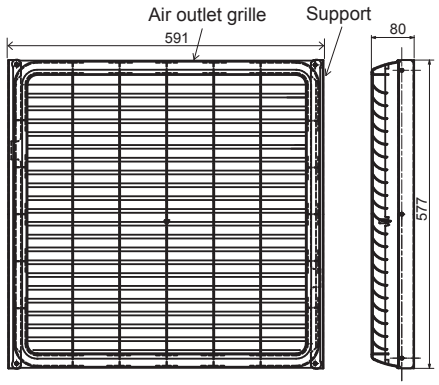
MAC-856SG

Figure



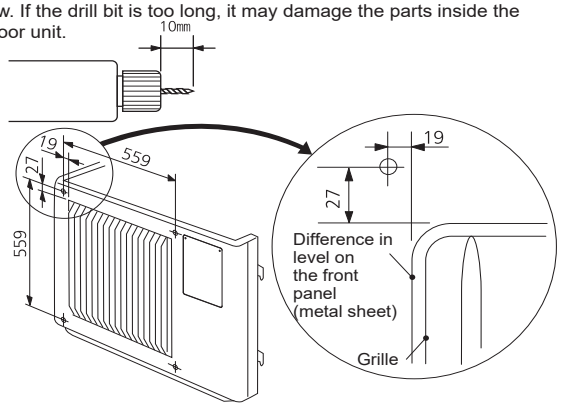
Dimensions

Unit: mm

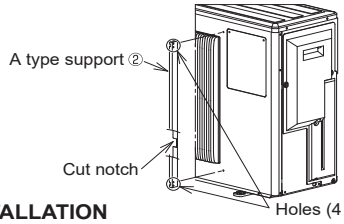


How to Use / How to Install

1) • Drill Ø4.0 mm screw holes in the front panel at the 4 locations shown below.
• The length of the drill bit should be about 10 mm as shown in the figure below. If the drill bit is too long, it may damage the parts inside the outdoor unit.



2) Fix A type supports② by tightening the screws M5×10④ (2 each for the right and left) into the holes drilled in step 1).



AFTER INSTALLATION

NOTE: Make sure that A type supports, B type supports, and air outlet guide are fixed with screws securely.

Descriptions

The air outlet guide changes the direction of air from the outdoor unit and prevents short cycling.

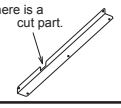
Applicable Models

- MXZ-3E54VA
- MXZ-3E68VA
- MXZ-4E72VA
- MXZ-3DM50VA
- MXZ-3F54VF3
- MXZ-3F68VF3
- MXZ-4F72VF3
- MXZ-4F80VF3
- MXZ-3HA50HA

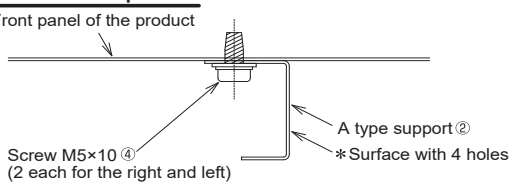
Specifications

Exterior	Color (Munsell)	Ivory (3.0Y7.8/1.1)
	Material	Air outlet grille: PP resin
Air outlet direction		Changeable between up and down
Accessory name × Qty. <Material/Surface treatment>		Support A × 2 (Alloy hot-dip zinc-coated carbon steel sheet / Acrylic resin coating) Support B × 2 (Alloy hot-dip zinc-coated carbon steel sheet / Acrylic resin coating) Screw (5×10) × 14 (Iron/Zinc nickel alloy plated)

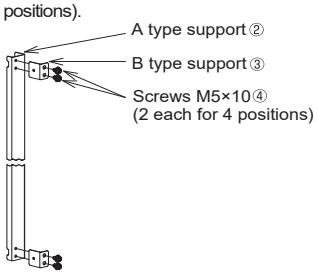
Components

① Air outlet guide ×1	② Support A ×2	③ Support B ×2	④ Screw 5×10 ×14
			

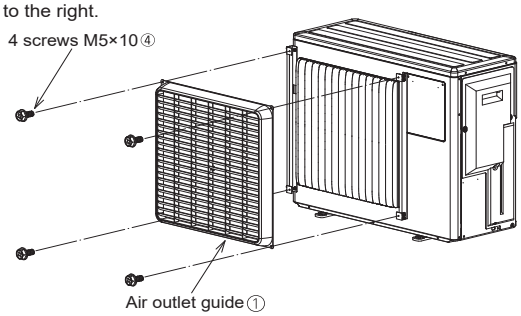
Plan view of the product



3) Fix B type supports③ to A type support② with the 8 screws M5×10④ (2 each for 4 positions).



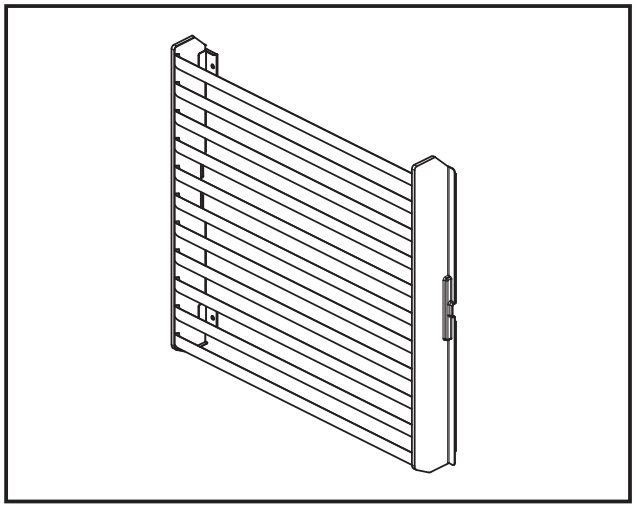
4) Fix air outlet guide① to B type supports③ with 4 screws M5×10④. The air direction can be selected from upwards, to the left, and to the right.



Air Outlet Guide

MAC-886SG-E

Figure



Descriptions

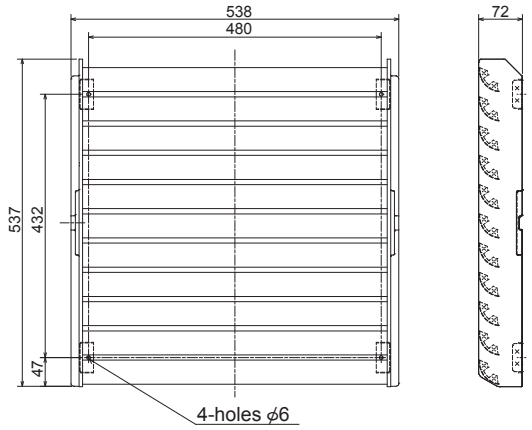
The air outlet guide changes the direction of air from the outdoor unit and prevents short cycling.

Applicable Models

- MUZ-LN50VGHZ
- MUZ-LN60VG
- MUZ-AP71VG
- MUZ-FH50VE
- MUZ-FH50VEHZ
- MUZ-SF50VE
- MUZ-SF50VEH
- MUZ-GF60VE
- MUZ-GF71VE
- MUZ-HJ60VA
- MUZ-HJ71VA
- MUFZ-KJ50VE
- MUFZ-KJ50VEHZ
- SUZ-KA50VA6
- SUZ-KA60VA6
- SUZ-KA71VA6
- SUZ-M50VA
- SUZ-M60VA
- SUZ-M71VA

Dimensions

Unit: mm



Specifications

Exterior	Color (Munsell)	Ivory (3.0Y7.8/1.1)
	Material/Surface treatment	Alloy hot-dip zinc-coated carbon steel sheet / Acrylic resin coating
Air outlet direction		Upward

Components

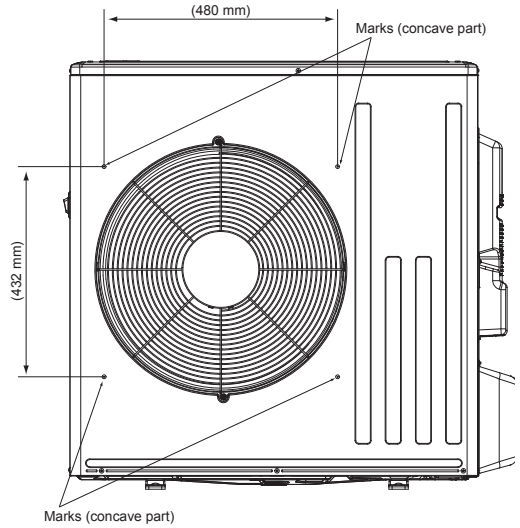
① Air outlet guide ×1	② Screw ×4
	

How to Use / How to Install

1. Preparations

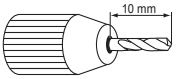
(1) Make sure to switch off the power supply or turn off the breaker.

(2) Determine the position of the front panel. Drill 4 holes (ϕ 4.0 mm) into the front panel on the marks (concave part).



Note:

The drill bit should be about 10mm long as shown in the right picture. If the drill bit is too long, it may damage the heat exchanger, the electrical parts, etc. in the outdoor unit.

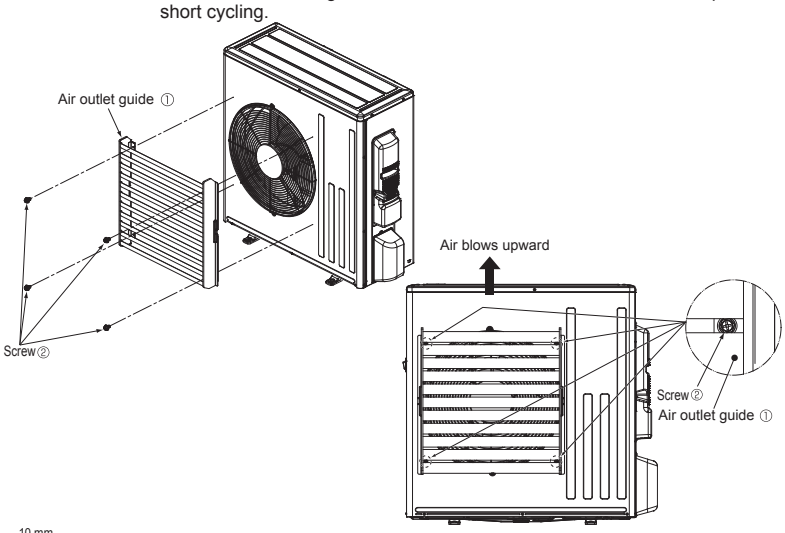


2. Attaching the air outlet guide

Fix the air outlet guide ① with 4 screws ② .

Note:

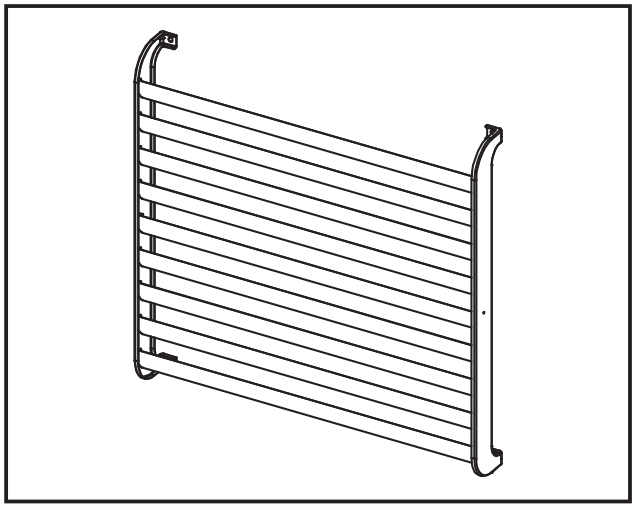
- Tighten the screws sufficiently. When the screws are not tight enough, vibrations occur and they may cause fluttering sound.
- Attach the air outlet guide so that air does NOT blow downward to prevent short cycling.



3. After installation

Refer to the installation manual provided with the unit to perform pipe connection and electric wiring.

Figure



Descriptions

The air outlet guide changes the direction of air from the outdoor unit and prevents short cycling.

Applicable Models

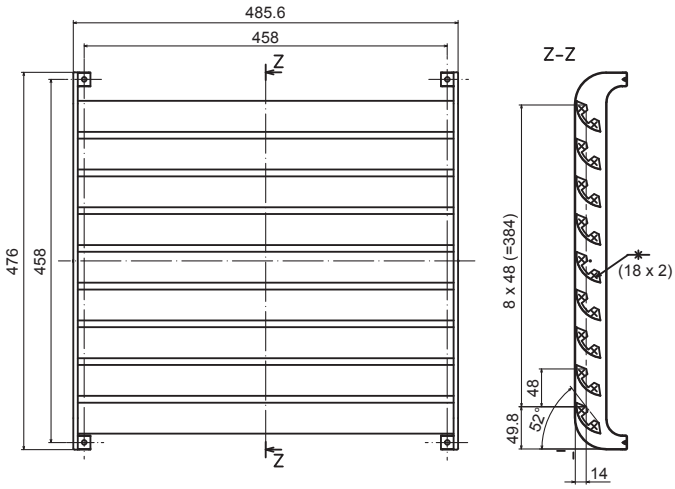
- MUZ-AP15VG
- MUZ-BT25,35,50VG
- MUZ-HR25VF
- MUZ-HR35VF
- MUZ-WN25VA
- MUZ-WN35VA
- MUZ-DM25VA
- MUZ-DM35VA
- MUZ-HJ25VA
- MUZ-HJ35VA

Specifications

Exterior	Color (Munsell)	Ivory (3.0Y 7.8/1.1)
	Surface treatment	Polyestel powder coating
	Material	Electro-galvanized steel sheet
Weight		1.6 kg

Dimensions

Unit: mm



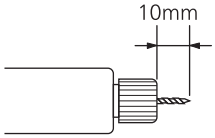
Components

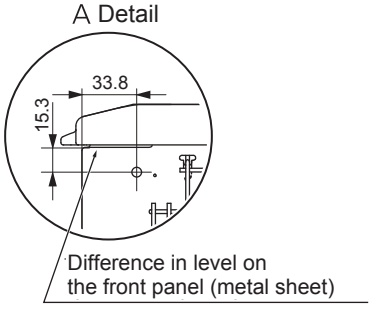
① Air outlet guide ×1	② Screw M5 x 10 x 4
	

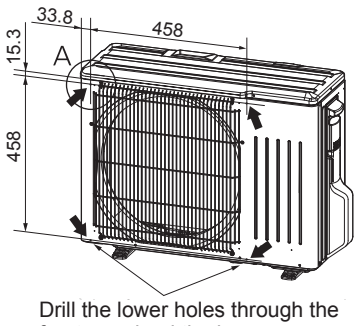
How to Use / How to Install

1. Preparations

- Make a hole in the 4 concave parts indicated by ➡ using a drill with a diameter of 4.0 mm.
- The length of the drill bit should be about 10 mm as shown in the figure below. If the drill bit is too long, it may damage the parts inside the outdoor unit.





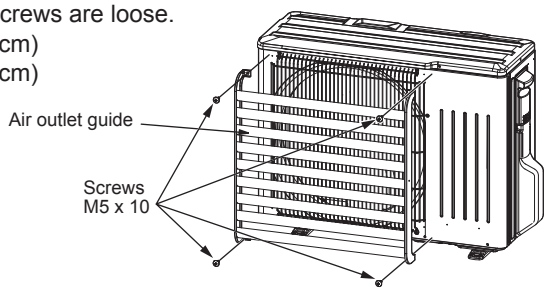


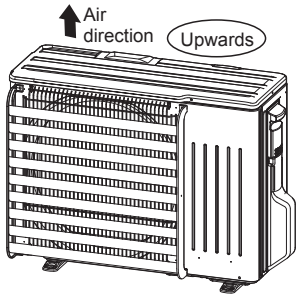
2. Attaching the air outlet guide

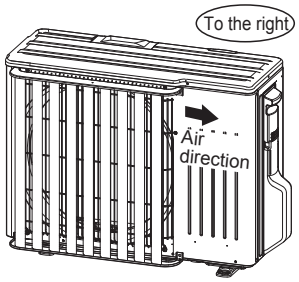
- Attach the air outlet guide to the outdoor unit with the 4 screws provided with the air outlet guide.
- The air outlet guide is allowed to be installed in any of the following directions so that air blows upwards, to the left, or to the right.

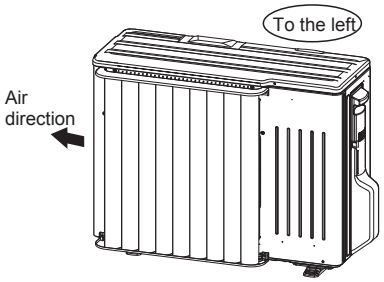
* Do not install the air outlet guide in the downward direction, or it may cause short cycling.

Note: Tighten the screws securely.
A chattering sound could be produced due to vibration if the screws are loose.
* Tightening torque 2 upper screws $1.47^{+0.196}_{-0.098}$ N•m (15^{+2}_{-1} kgf•cm)
2 lower screws $2.45^{+0.196}_{-0.098}$ N•m (25^{+2}_{-1} kgf•cm)



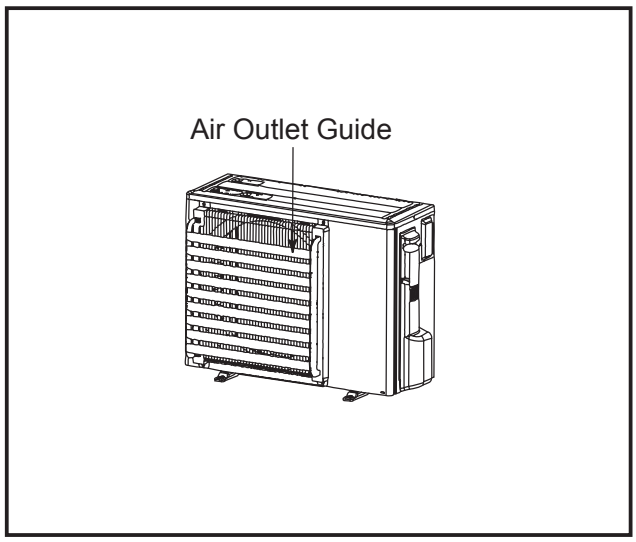






Air Outlet Guide (to change air blowing direction) PAC-SJ07SG-E

Figure



Descriptions

A part to change air direction from outdoor unit. Can also be used to prevent short cycles.

Applicable Models

- PUZ-ZM35VKA
- PUZ-ZM50VKA

[R32 type]

- PUHZ-ZRP35VKA2
- PUHZ-ZRP50VKA2

1 piece required

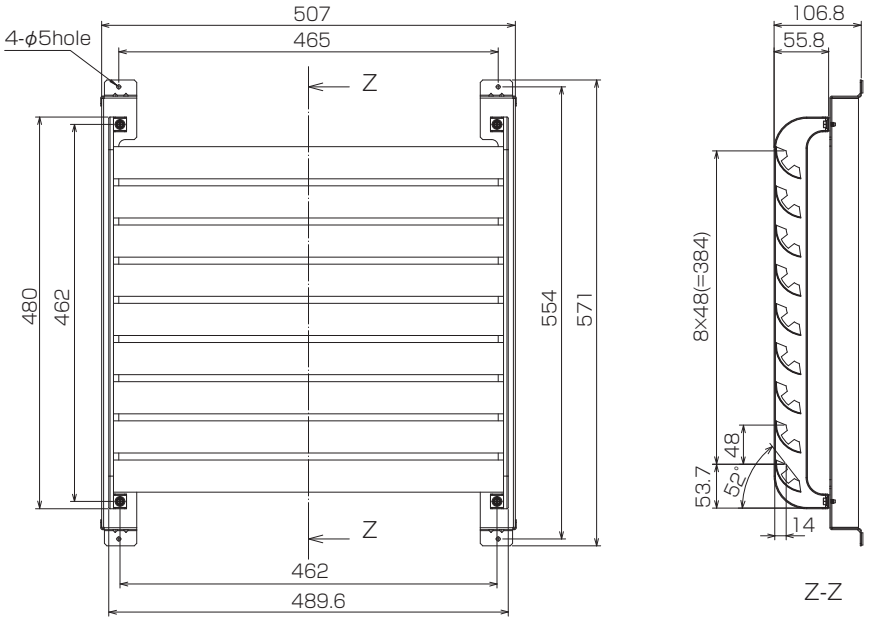
[R410A type]

Specifications

Exterior	Color (Munsell)	Ivory (3.0Y 7.8/1.1)
	Material/surface treatment	Alloy hot-dip zinc-coated carbon steel sheet/Acrylic resin coating
Weight		2.8kg
Air outlet direction		Changeable between up, down or sideways
Accessory name x Qty. <Material/Surface treatment>		Screw (M5x10) x 4 (Iron/Zinc nickel alloy plated) Screw (M4x12) x 4 (Iron/Zinc nickel alloy plated)

Dimensions

Unit: mm



⚠ CAUTION

When the outdoor unit is installed in front of a store or in a passage, this air outlet guide is used to change the discharge direction of hot air (during cooling) or cold air (during heating) from the outdoor unit.
Upward, downward and sideways directions are possible. This guide is also effective to protect the winds may blow against the discharge outlet.

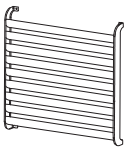
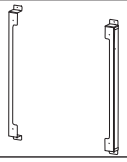
Note the followings when installing this guide:
1) Be sure not to use "upward discharge" in a place where snowing is possible. Snow may accumulate in the guard, which could damage the fan, etc.
2) Attaching this unit will decrease the performance (by 2-3%) and increase noise from outdoor unit (by approx. 1-2 dB).
3) Do not use "upward discharge" when there are any obstacles at the back and on both sides of outdoor unit (air is taken in from top of unit): This could cause a short cycle.
4) To eliminate the influence of external wind, be sure to install the unit with its back facing to wall.
5) Do not install this unit in a place where wind directly blows to the back of the unit.

How to Use / How to Install

Note that two sets of this product are necessary for ZM100, ZM125, ZM140 ZRP100, ZRP125, ZRP140.

1 Accesories

Make sure that this package has the following parts as well as the installation sheet:

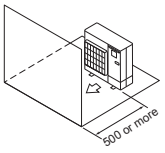
①Air outlet guide	1	②Support	2	③Attachment screw 5×10	4	④Attachment screw 4×12	4
							

2 Requirements of installation space [Unit:mm]

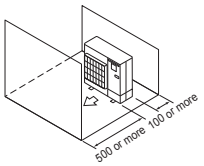
●Secure the necessary surrounding space shown below and select a place with less obstacles, to prevent a short cycle.

1) Surrounding space needed when installing one unit
- Do not use "upward discharge" in cases of figures (3) and (5) below.

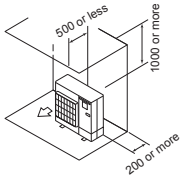
(1) Obstacle at front (open at back, sides and top)



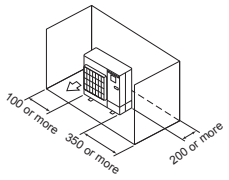
(2) Obstacles at back and front (open at sides and top)



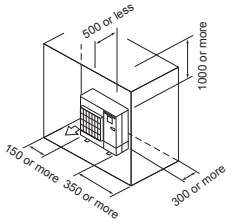
(3) Obstacles at back and top (open at front and sides)



(4) Obstacles at back, and sides (open at front and top)

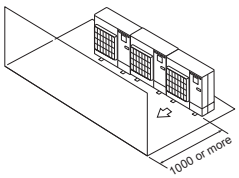


(5) Obstacles at back, sides and top (open at front)

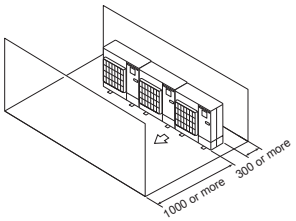


2) Surrounding space needed when installing multiple units
- When installing units horizontally in a series, leave at least 350 mm space between units .
- Do not use "upward discharge" in case of figure (3) below.

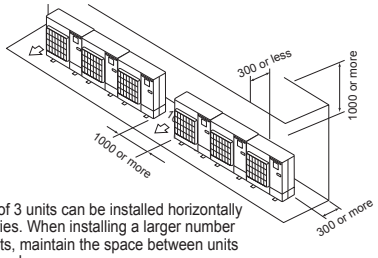
(1) Obstacle at front (open at back, sides and top)



(2) Obstacles at back and front (open at sides and top)

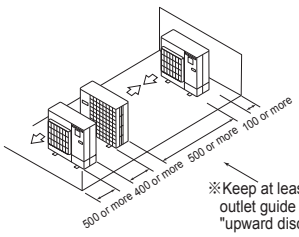


(3) Obstacles at back and top (open at front and sides)



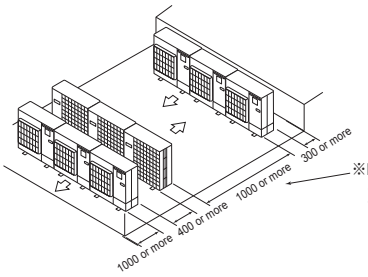
※Limit of 3 units can be installed horizontally in series. When installing a larger number of units, maintain the space between units shown above.

(4) Installing units, one in each row



※Keep at least 1000 when using outlet guide in directions other than "upward discharge".

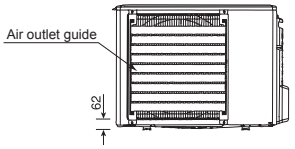
(5) Installing multiple units in multiple rows



※Keep at least 2000 when using outlet guide in directions other than "upward discharge".

3 Installation Complete Diagrams

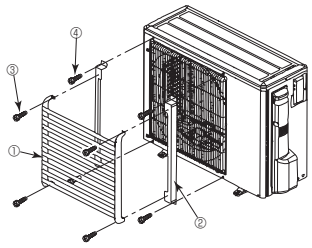
809W × 300D × 630H(mm)
Outdoor unit



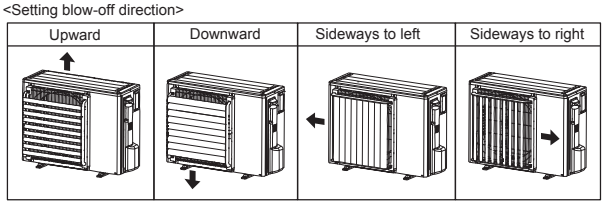
4 Installation Method

● Four blowout directions can be selected: Check the orientation of blowout vane, and attach the blowout guide in the direction that matches the situation at local site.

(1) Make a frame by fixing 2 supports ② on the outdoor unit with 4 screws ④.
(2) Fix the air outlet guide ① to the supports mounted on the outdoor unit with 4 screws ③.

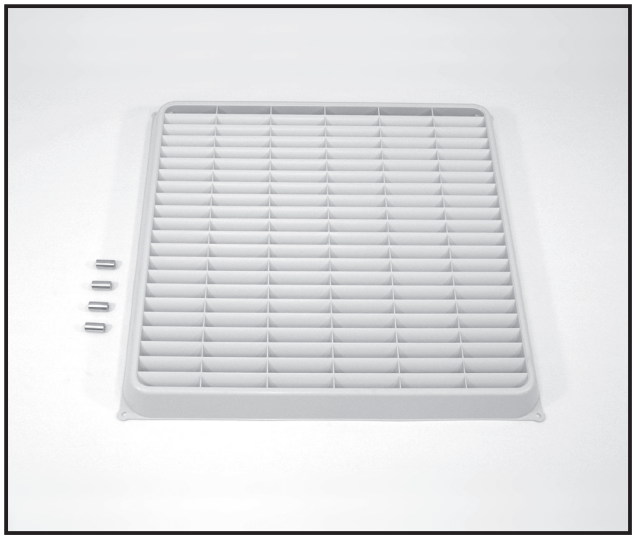


<Setting blow-off direction>



Air Outlet Guide (to change air blowing direction) PAC-SG59SG-E

Photo



Descriptions

A part to change air direction from outdoor unit.
Can also be used to prevent short cycles.

Applicable Models

- PUZ-ZM60VHA
- PUZ-ZM71VHA

[R32 type]

- PUHZ-ZRP60VHA2
- PUHZ-ZRP71VHA2

only 1 piece required

- PUHZ-SHW112VHA
- PUHZ-SHW112YHA
- PUHZ-SHW140YHA

2 pieces required

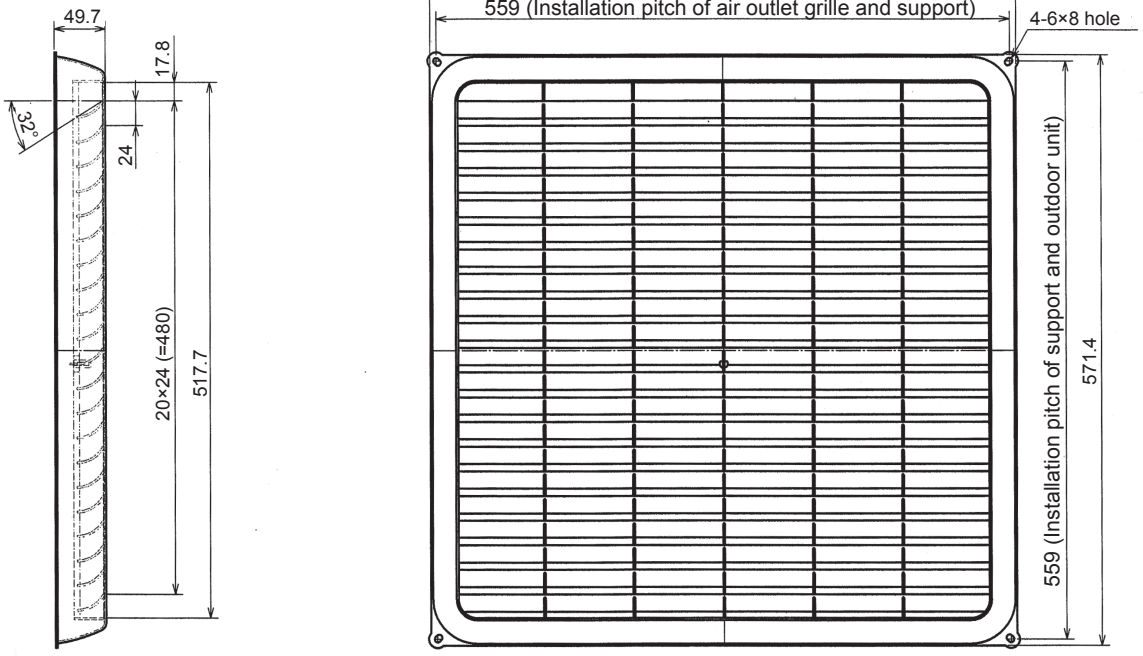
[R410A type]

Specifications

Exterior	Color (Munsell)	Ivory (3.0Y 7.8/1.1)
	Material	Air outlet grille: PP resin
Weight		1.2kg
Air outlet direction		Changeable between up, down or sideways
Accessory name x Qty. <Material/Surface treatment>		Washer faced screw (M5x35) x 4 (Iron wire (SWCH18A)/Zinc nickel plated)

Dimensions

Unit: mm



⚠ CAUTION

* Air Guide prevents reverse rotation of outdoor unit fan when it enters low speed rotation mode with fan controller being operated. It is also used for protection of fan when strong winds, such as a typhoon, wind blowing through tall buildings, etc., directly strike the air outlet. In addition, installation of this product is necessary when cooling opetation is to be performed in outdoor tempreture of -5℃ or lower (down to -15℃).

Note the followings when installing this guide:

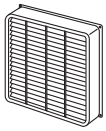
1) Be sure not to use "upward discharge" in a place where snowing is possible. Snow may accumulate in the guard, which could damage the fan, etc.
2) Attaching this unit will decrease the performance (by 2-3%) and increase noise from outdoor unit (by approx. 1-2 dB).
3) Do not use "upward discharge" when there are any obstacles at the back and on both sides of outdoor unit (air is taken in from top of unit): This could cause a short cycle.
4) To eliminate the influence of external wind, be sure to install the unit with its back facing to wall.
5) Do not install this unit in a place where wind directly blows to the back of the unit.

How to Use / How to Install

2-fan type outdoor unit

1 Checking provided parts

Make sure that this package has the following parts as well as the installation sheet:

①Air Discharge guide × 1	②Support × 2 (For the upper and lower sides)	③Support × 2 (For right and left)	④Attachment screw × 4	⑥Spacer × 4
	※PAC-SG58SG-E (Screw hole×6) 	PAC-SG58SG-E (Screw hole×2) 	PAC-SG58SG-E(5×10) PAC-SG59SG-E(5×35)  ⑤Attachment screw × 8 PAC-SG58SG-E(4×10) 	※PAC-SG59SG-E 

2 Checking Installation Space

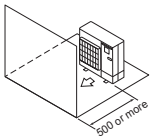
(In the following diagrams, dimensions in parentheses are for 2 fan type models. Dimensions not in parentheses are common for all series models. Unit: mm)

●Secure the necessary surrounding space shown below and select a place with less obstacles, to prevent a short cycle.

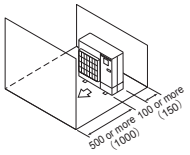
1) Surrounding space needed when installing one unit

・Do not use "upward discharge" in cases of figures (3) and (5) below.

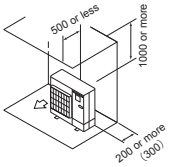
(1) Obstacle at front (open at back, sides and top)



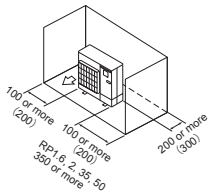
(2) Obstacles at back and front (open at sides and top)



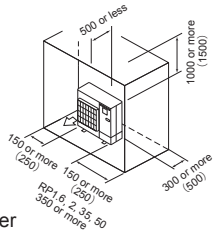
(3) Obstacles at back and top (open at front and sides)



(4) Obstacles at back, and sides (open at front and top)



(5) Obstacles at back, sides and top (open at front)

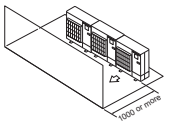


2) Surrounding space needed when installing multiple units

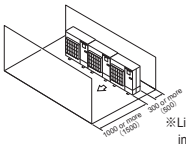
・When installing units horizontally in a series, leave at least 350 mm space between units for RP2, 50 type or lower models, and at least 10 mm for RP2.5, 60 type or higher models.

・Do not use "upward discharge" in case of figure (3) below.

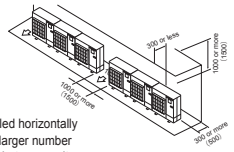
(1) Obstacle at front (open at back, sides and top)



(2) Obstacles at back and front (open at sides and top)

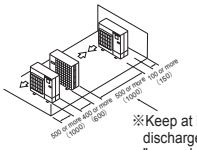


(3) Obstacles at back and top (open at front and sides)



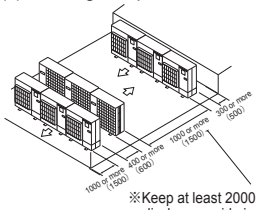
※Limit of 3 units can be installed horizontally in series. When installing a larger number of units, maintain the space between units shown above.

(4) Installing units, one in each row



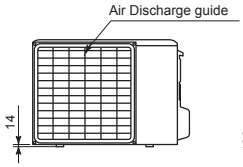
※Keep at least 1000 (2000) when using discharge guide in directions other than "upward discharge".

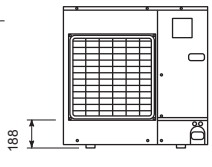
(5) Installing multiple units in multiple rows

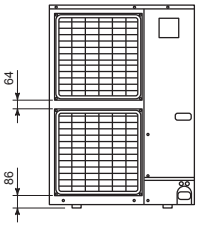


※Keep at least 2000 (3000) when using discharge guide in directions other than "upward discharge".

3 Installation Complete Diagrams







＜Models RP1.6, 2, 35, 50＞ ＜Models RP2.5, 3, 60, 71＞ ＜Models RP4～6,100～140＞

4 Installation Method

For RP1.6, 2, 35, 50：

1) Fix the two supports (2) and two supports (3), using four screws (5) to make a frame.

2) Attach the assembled supports to the outdoor unit using four screws (5), and then attach blowout guide (1) to the support (2), using four screws (4).

・Four blowout directions can be selected: Check the orientation of blowout vane, and attach the blowout guide in the direction that matches the situation at local site.

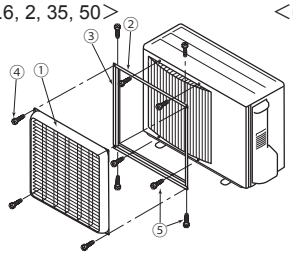
For (R)P2.5 - 6, 60 - 140: (Two sets of support and blowout guide are necessary for two-fan type models.)

1) Remove the 4 screws that hold the existing fan guard.

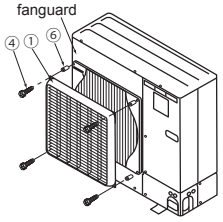
2) Fit the 4 spacers ⑥ into the hole in fan guard, and then use the 4 screws ④ to install the provided blowout guide ① to the outdoor unit above the existing fan guard.

・The four blowout directions can be selected: Check the orientation of blowout vane, and install the blowout guide in the direction that matches the circumstance at local site.

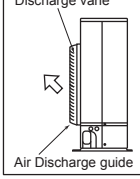
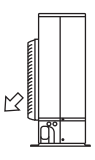
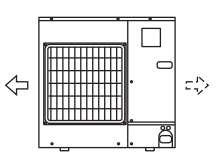
＜RP1.6, 2, 35, 50＞



＜(R)P2.5 - 6, 60 - 140＞

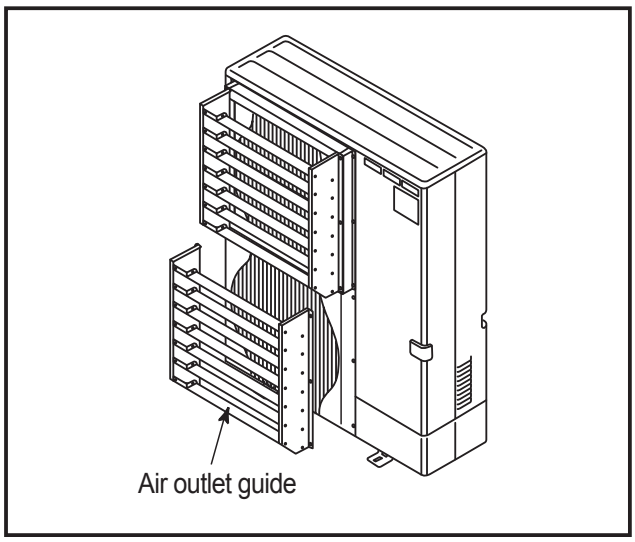


＜Setting blow-off direction＞

Upward	Downward	Sideways (to left or right)
Discharge vane  Air Discharge guide		

Air Outlet Guide (to change air blowing direction) PAC-SH96SG-E

Figure



Descriptions

A part to change air direction from outdoor unit.
Can also be used to prevent short cycles.

Applicable Models

- PUZ-M100,125,140VKA
- PUZ-M100,125,140YKA
- MXZ-4F83VF
- MXZ-5F102VF
- MXZ-6F122VF

1 piece required

- PUZ-ZM100,125,140VKA
- PUZ-ZM100,125,140YKA
- PUZ-ZM200,250YKA
- PUZ-M200,250YKA

2 piece required
[R32 type]

- MXZ-4E83VA
- MXZ-5E102VA
- MXZ-6D122VA2
- MXZ-2E53VAHZ
- MXZ-4E83VAHZ

1 piece required
[R410A type]

- PUHZ-P100,125,140VKA
- PUHZ-P100,125,140YKA

1 piece required

- PUHZ-ZRP100,125,140VKA3
- PUHZ-ZRP100,125,140YKA3
- PUHZ-ZRP200,250YKA3
- PUHZ-P200,250YKA3

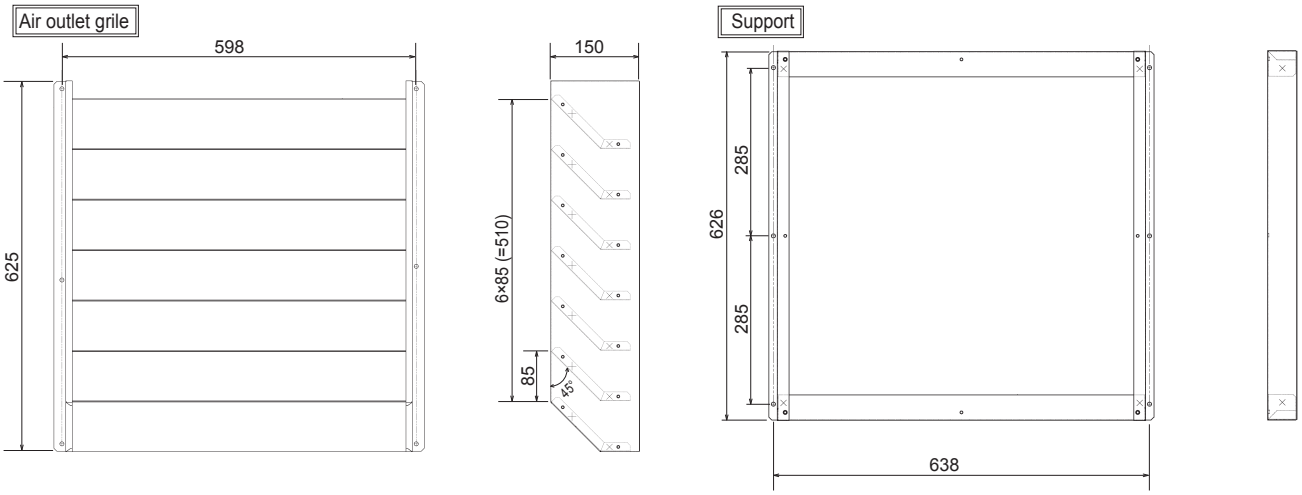
2 pieces required
[R410A type]

Specifications

Exterior	Color (Munsell)	Ivory (3.0Y 7.8/1.1)
	Material	Air outlet grille: Alloy hot-dip zinc-coated carbon steel sheet
Weight		7kg
Air outlet direction		Changeable between up, down or sideways
Accessory name x Qty. <Material/Surface treatment>		Washer faced screw (M5x15) x 12 (Iron wire (SWCH18A)/Zinc nickel plated) Washer x 12, Spring washer x 12

Dimensions

Unit: mm



⚠ CAUTION

* Air Guide prevents reverse rotation of outdoor unit fan when it enters low speed rotation mode with fan controller being operated. It is also used for protection of fan when strong winds, such as a typhoon, wind blowing through tall buildings, etc., directly strike the air outlet. In addition, installation of this product is necessary when cooling opetation is to be performed in outdoor tempreture of -5℃ or lower (down to -15℃).

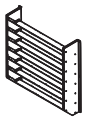
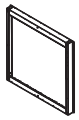
Note the followings when installing this guide:
1) Be sure not to use "upward discharge" in a place where snowing is possible. Snow may accumulate in the guard, which could damage the fan, etc.
2) Attaching this unit will decrease the performance (by 2-3%) and increase noise from outdoor unit (by approx. 1-2 dB).
3) Do not use "upward discharge" when there are any obstacles at the back and on both sides of outdoor unit (air is taken in from top of unit): This could cause a short cycle.
4) To eliminate the influence of external wind, be sure to install the unit with its back facing to wall.
5) Do not install this unit in a place where wind directly blows to the back of the unit.

How to Use / How to Install

2-fan type outdoor unit

1 Checking provided parts

Make sure that this package has the following parts as well as the installation sheet:

①Air Discharge guide	1	②Support	1	③Screw(5×15)	12	④Washer	12	⑤Spring washer	12
									

2 Checking Installation Space

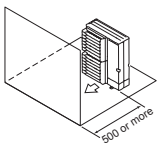
(Unit: mm)

●Secure the necessary surrounding space shown below and select a place with less obstacles, to prevent a short cycle.

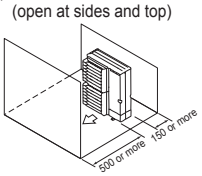
1) Surrounding space needed when installing one unit

・Do not use "upward discharge" in cases of figures (3) and (5) below.

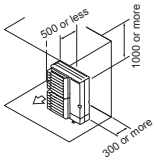
(1) Obstacle at front (open at back, sides and top)



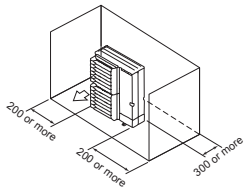
(2) Obstacles at back and front (open at sides and top)



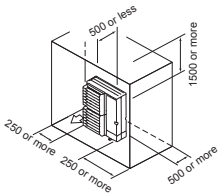
(3) Obstacles at back and top (open at front and sides)



(4) Obstacles at back, and sides (open at front and top)



(5) Obstacles at back, sides and top (open at front)

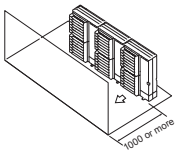


2) Surrounding space needed when installing multiple units

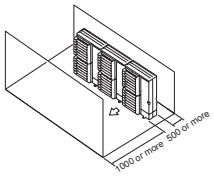
・When installing units horizontally in a series, leave at least 10 mm space between units.

・Do not use "upward discharge" in case of figure (3) below.

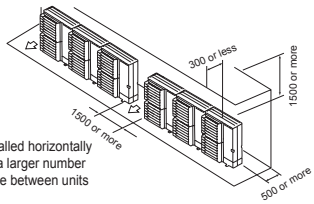
(1) Obstacle at front (open at back, sides and top)



(2) Obstacles at back and front (open at sides and top)

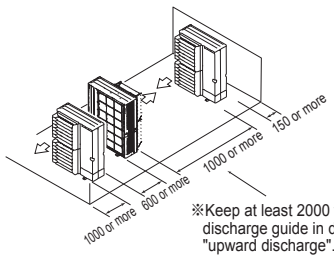


(3) Obstacles at back and top (open at front and sides)



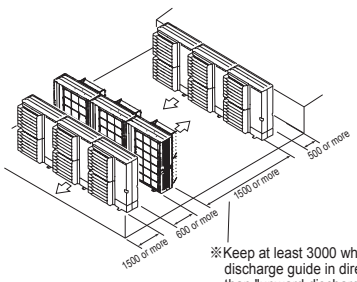
※Limit of 3 units can be installed horizontally in series. When installing a larger number of units, maintain the space between units shown above.

(1) Installing units, one in each row



※Keep at least 2000 when using discharge guide in directions other than "upward discharge".

(2) Installing multiple units in multiple rows

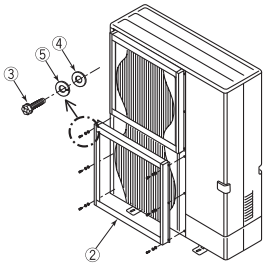


※Keep at least 3000 when using discharge guide in directions other than "upward discharge".

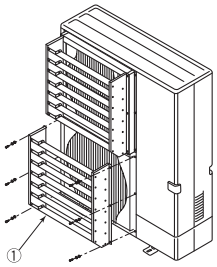
3 Installation Method

・4 blowout directions can be selected: Check the orientation of blowout vane, and attach the blowout guide in the direction that matches the situation at local site.

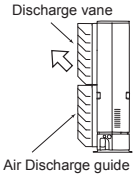
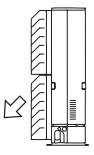
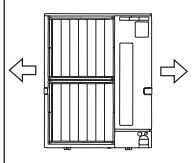
(1)Attach the support ② to the outdoor unit using the washers ④ , spring washers ⑤ and screws ③ (at the 6 points) on the existing fan guard



(2)Set the orientation of the blowout vane of the discharge guide ① to the desired direction and install the vane to the outdoor unit using the washers ④, spring washers ⑤ and screws ③ (at 6 points).

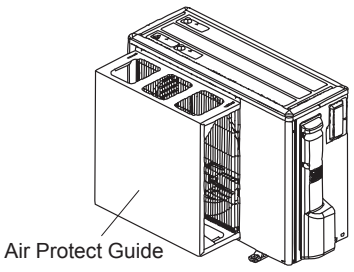


＜Setting blow-off direction＞

Upward	Downward	Sideways (to left or right)
Discharge vane  Air Discharge guide		

Air Protect Guide (for cooling at -15℃) PAC-SJ06AG-E

Figure



Descriptions

Enables operation even when the outside temperature is low. Protect the unit from cold wind.

Applicable Models

- PUZ-ZM35VKA
- PUZ-ZM50VKA
- PUHZ-ZRP35VKA2
- PUHZ-ZRP50VKA2

1 piece required

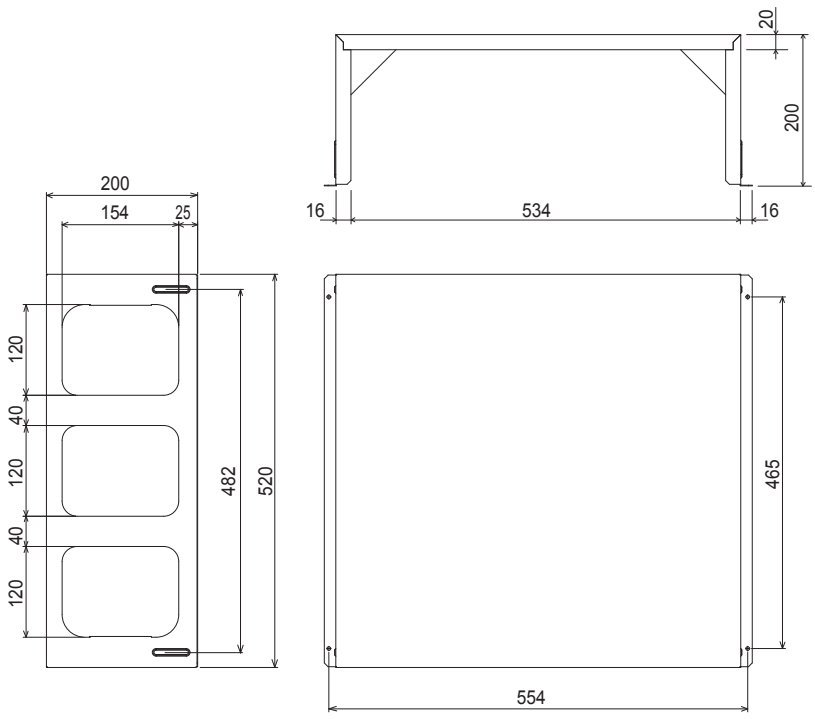
[R32 type] [R410A type]

Specifications

Exterior	Color (Munsell)	Ivory (3.0Y 7.8/1.1)
	Surface treatment	Acrylic resin coating
	Material	Alloy hot-dip zinc-coated carbon steel sheet
Weight		3.4kg
Accessory name x Qty.		Mounting screw (4x10) x 4 Spring washerx 4

Dimensions

Unit: mm



⚠ CAUTION

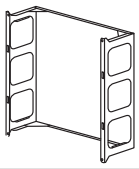
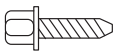
* This Air protect prevents reverse rotation of outdoor unit fan when it enters low speed rotation mode with fan controller being operated. It is also used for protection of fan when strong winds, such as a typhoon, wind blowing through tall buildings, etc., directly strike the air outlet. In addition, installation of this product is necessary when cooling opetation is to be performed in outdoor tempreture of -5℃ or lower (down to -15℃).

Pay attention to the following points when installing this product:
1) To eliminate the effects of external wind, be sure to install this unit with back surface facing wall side.
2) Do not install this unit in orientation or site where wind directly blows at the back of the unit.
3) Installing of this product will reduce the capacity of the unit (approx. 2 or 3%) and increase the noise of outdoor unit (approx. 1 or 2dB)
4) Do not use this product where there is any obstacle at either side or above the outdoor unit (discharge air will be blocked): This may cause a short cycle.

How to Use / How to Install

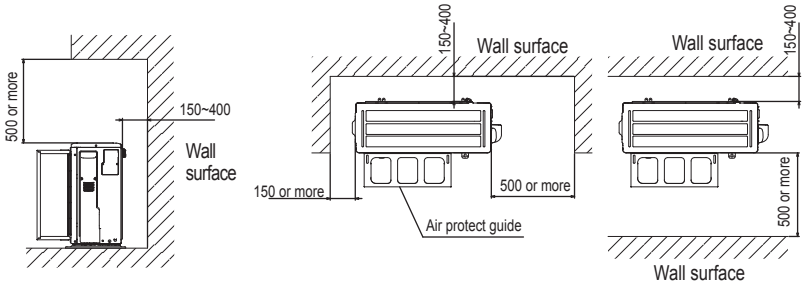
1 Accessories

Make sure that all the following parts, in addition to this manual, are in this box.

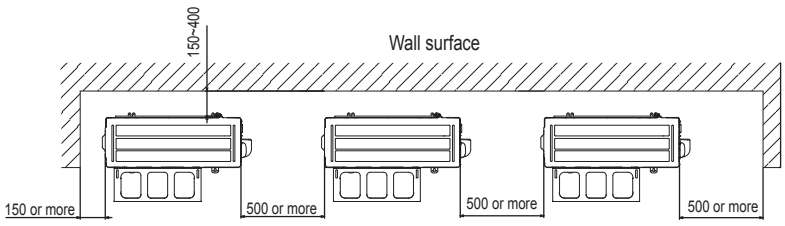
① Air protect guide	1	② Mounting screw 4×16	4	③ Washer	4	④ Spring washer	4
							

2 Requirements of installation space [Unit: mm]

(1) One unit installation:

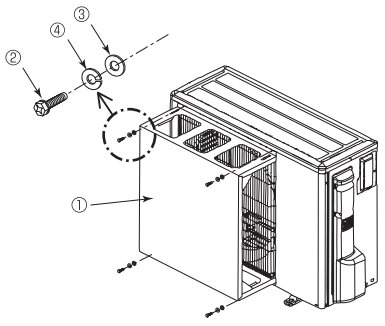


(2) Multiple unit installation: ※Installation of multiple units in series must be no more than five units.



3 Installation procedure

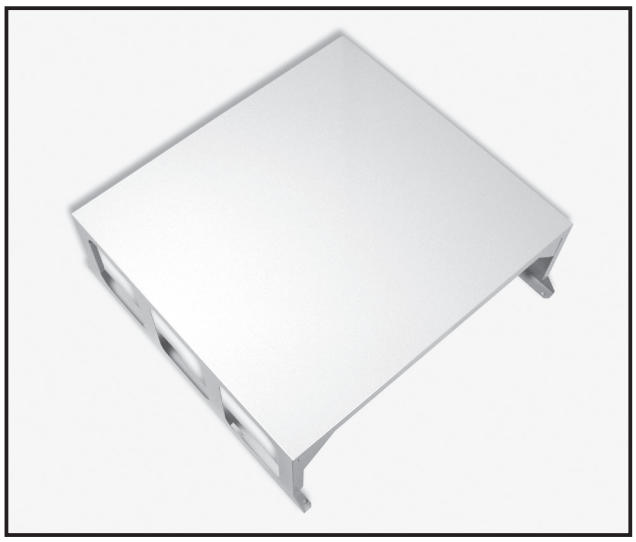
(1) Install the air protect guide ①on the outdoor unit using washers ③, spring washers ④ and screws ②.



Air Protect Guide (for cooling at -15℃) PAC-SH63AG-E *

* model change from **PAC-SG57AG-E** from Sep 2005

Photo



Descriptions

Enables operation even when the outside temperature is low. Protect the unit from cold wind.

Applicable Models

- PUZ-ZM60VHA
- PUZ-ZM71VHA

[R32 type]

- PUHZ-ZRP60HA2
- PUHZ-ZRP71VHA2

1 piece required

- PUHZ-SHW112VHA
- PUHZ-SHW112YHA
- PUHZ-SHW140YHA

2 pieces required

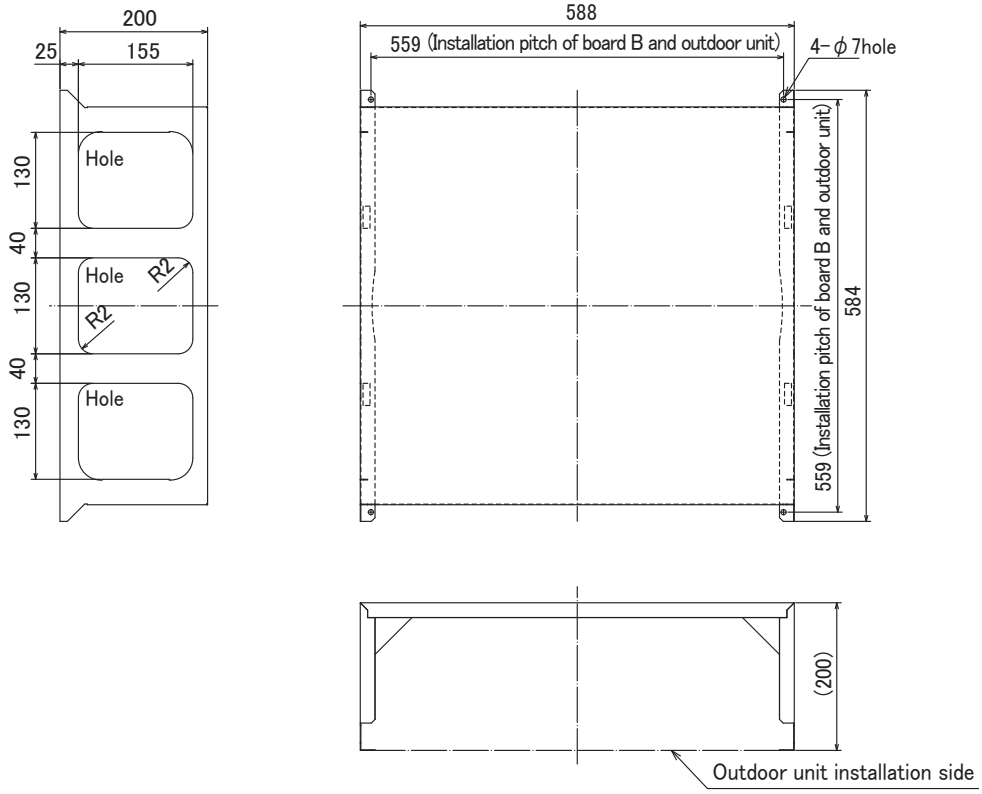
[R410A type]

Specifications

Exterior	Color (Munsell)	Ivory (3.0Y 7.8/1.1)
	Surface treatment	Acrylic resin coating
	Material	Alloy hot-dip zinc-coated carbon steel sheet
Weight		3.3kg
Accessory name x Qty. <Material/Surface treatment>		Washer faced screw (M5x15) x 4 <Iron wire (SWCH18A)/Zinc nickel plated>

Dimensions

Unit: mm (inch)



⚠ CAUTION

* Air Guide prevents reverse rotation of outdoor unit fan when it enters low speed rotation mode with fan controller being operated.
It is also used for protection of fan when strong winds, such as a typhoon, wind blowing through tall buildings, etc., directly strike the air outlet.
In addition, installation of this product is necessary when cooling opetation is to be performed in outdoor tempreture of -5℃ or lower (down to -15℃).

Note the followings when installing this guide:
1) Be sure not to use "upward discharge" in a place where snowing is possible. Snow may accumulate in the guard, which could damage the fan, etc.
2) Attaching this unit will decrease the performance (by 2-3%) and increase noise from outdoor unit (by approx. 1-2 dB).
3) Do not use "upward discharge" when there are any obstacles at the back and on both sides of outdoor unit (air is taken in from top of unit): This could cause a short cycle.
4) To eliminate the influence of external wind, be sure to install the unit with its back facing to wall.
5) Do not install this unit in a place where wind directly blows to the back of the unit.

How to Use / How to Install

Package air-conditioner Optional parts
Installation Manual for Air Guide

SAFETY PRECAUTIONS

- Carefully read this section 'Safety Precautions', and securely install the optional parts.
- Be sure to observe the cautions described here: They include critical contents for safety.
- The following indications show the classifications for danger, and possible consequences following incorrect handling.

⚠WARNING	Incorrect handling could lead to death or serious injury.
⚠CAUTION	Incorrect handling could lead to injury or damage to house and household articles.

- After installation, perform a test run and make sure that there is no abnormality, and ask your customer to keep this installation sheet with the installation manual at all times. Also ask the customer to transfer these manuals to a new user if the user changes.

⚠WARNING

Ask the dealer or specialist for installation.
- If installed incorrectly by user, water leak, electric shock, fire, etc. could result.

Carefully install the optional parts according to this installation sheet.
- Incorrect installation could cause water leak, electric shock, fire, etc.

Before performing installation (moving) and electrical work

⚠CAUTION

Do not place polyethylene bags in reach of young children.
- Putting them over the head will block breathing passages, which could result in suffocation.

If electrical work is necessary, use only specified electric wires adapted with current capacity.
- Use of unsuitable wire could cause electric leak, overheating or fire.

Securely apply heat-insulation to refrigerant pipe so that no condensation occurs.
- If heat-insulation is inadequate, condensation could occur on the surface of pipes and dewdrops could accumulate on ceiling, floor or important goods.

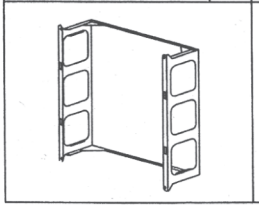
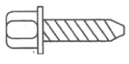
Securely perform drain piping work according to the installation manual so that no condensation occurs.
- If piping work is incorrect, water leak may occur and ceiling, furniture, etc may get wet.

This Air Guide prevents reverse rotation of outdoor unit fan when it enters low speed rotation mode with fan controller being operated. It is also used for protection of fan when strong winds, such as in a typhoon, wind blowing through tall buildings, etc., directly strike the at air outlet.
In addition, installation of this product is necessary when cooling operation is to be performed in outside-air temperature of −5℃ or lower (down to −15℃).
Pay attention to the following points when installing this product:
1) To eliminate the effects of external wind, be sure to install this unit with back surface facing wall side.
2) Do not install this unit in orientation or site where wind directly blows at the back of the unit.
3) Installing of this product will reduce the capacity of the unit (approx. 2 or 3%) and increase the noise of outdoor unit (approx. 1 or 2dB).
4) Do not use this product where there is any obstacle at either side or above the outdoor unit (discharged air will be blocked). This may cause a short cycle.

When 2-fan type outdoor unit is used, note that two sets of this product will be necessary.

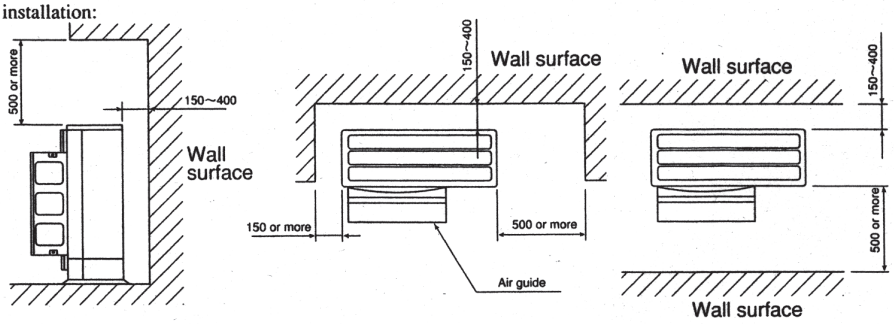
1 Checking parts

Make sure that all the following parts, in addition to this manual, are in this box:

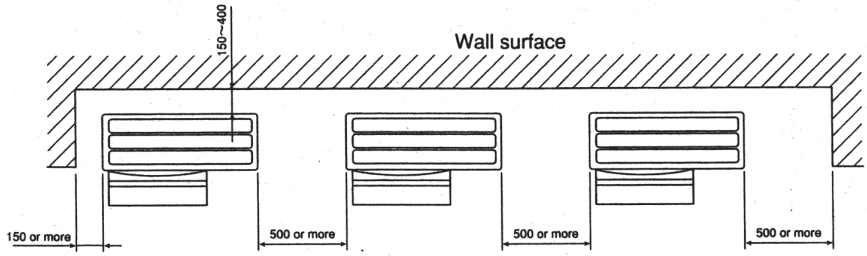
①Air Guide	1	②Mounting screw 5×15	4	③Washer	4	④Spring washer	4
							

2 Requirements of space for installation

(1) One unit installation:

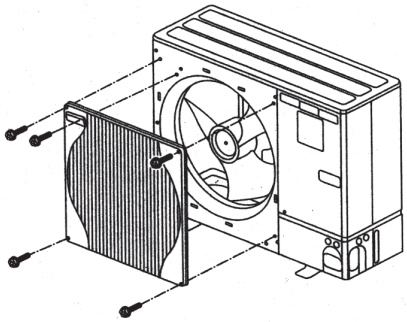


(2) Multiple unit installation: ※Installation of multiple units in series must be no more than five units.

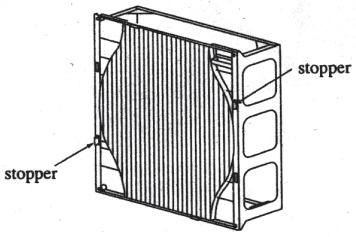


3 Installation procedure

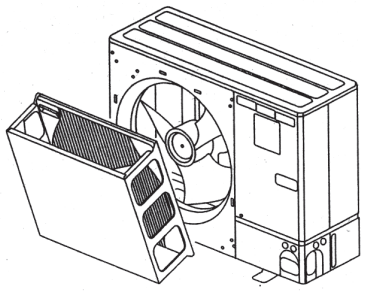
(1) Remove the fan guard fixing screws (five screws on circumference), and then remove the fan guard.



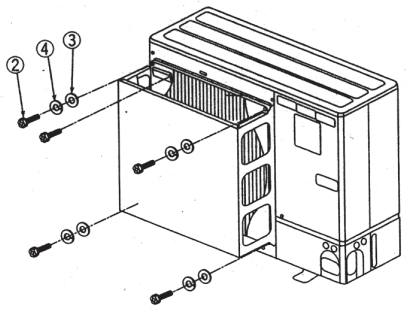
(2) Insert the fan guard stoppers into the square holes on the air guide.



(3) Insert the stoppers (four locations) of the fan guard into the installation holes on the outdoor unit.

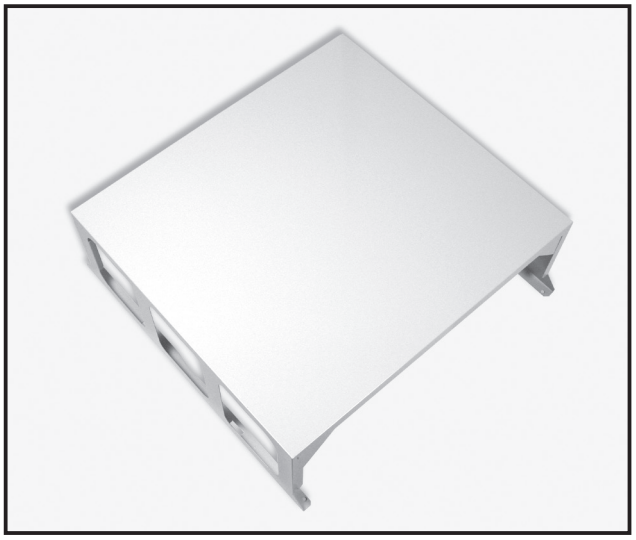


(4) Install the air guide on the outdoor unit using washers (3), spring washers (4) and screws (2).
* Use existing screws for handle section.



Air Protect Guide (for cooling at -15℃) PAC-SH95AG-E

Photo



Descriptions

Enables operation even when the outside temperature is low. Protect the unit from cold wind.

Applicable Models

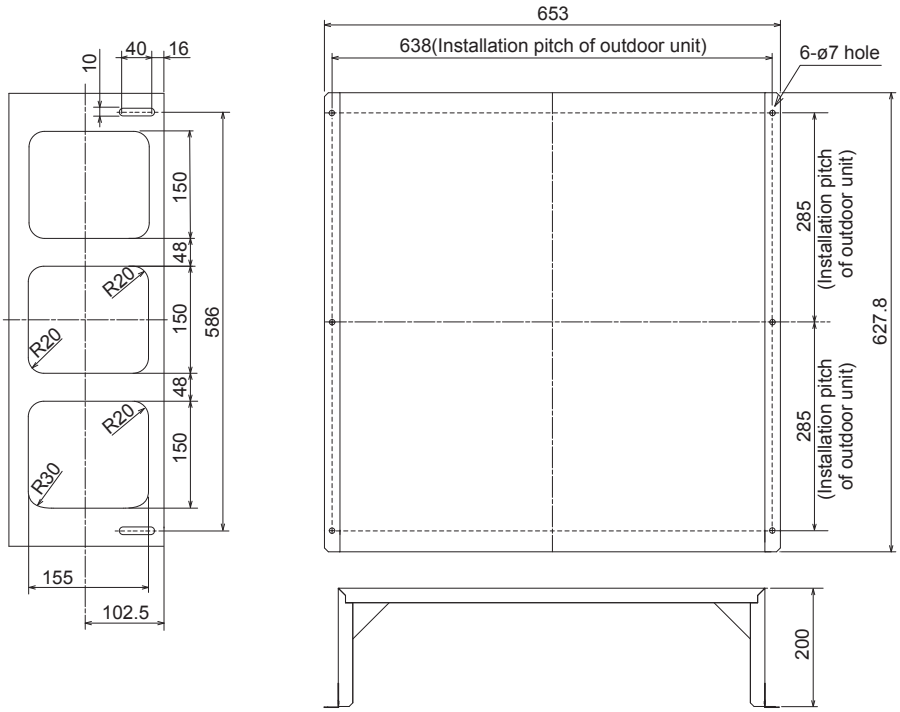
- PUZ-ZM100,125,140VKA
- PUZ-ZM100,125,140YKA
- PUZ-ZM200,250YKA
- PUZ-M200,250YKA
  2 pieces required
- PUZ-M100,125,140VKA
  PUZ-M100,125,140YKA
  1 piece required
  [R32 type]
- PUHZ-ZRP100,125,140VKA3
- PUHZ-ZRP100,125,140YKA3
- PUHZ-P100,125,140VKA
- PUHZ-P100,125,140YKA
  1 piece required
- PUHZ-ZRP200,250YKA3
- PUHZ-P200,250YKA3
  2 pieces required
  [R410A type]

Specifications

Exterior	Color (Munsell)	Ivory (3.0Y 7.8/1.1)
	Surface treatment	Acrylic resin coating
	Material	Alloy hot-dip zinc-coated carbon steel sheet
Weight		3.5kg
Accessory name x Qty. <Material/Surface treatment>		Washer faced screw (M5x15) x 4 <Iron wire (SWCH18A)/Zinc nickel plated>

Dimensions

Unit: mm (inch)



⚠ CAUTION

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Note the followings when installing this guide:

1) Be sure not to use "upward discharge" in a place where snowing is possible. Snow may accumulate in the guard, which could damage the fan, etc.
2) Attaching this unit will decrease the performance (by 2-3%) and increase noise from outdoor unit (by approx. 1-2 dB).
3) Do not use "upward discharge" when there are any obstacles at the back and on both sides of outdoor unit (air is taken in from top of unit): This could cause a short cycle.
4) To eliminate the influence of external wind, be sure to install the unit with its back facing to wall.
5) Do not install this unit in a place where wind directly blows to the back of the unit.

How to Use / How to Install

SAFETY PRECAUTIONS

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Ask the dealer or specialist for installation.
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Before performing installation (moving) and electrical work

⚠CAUTION

Do not place polyethylene bags in reach of young children.
- Putting them over the head will block breathing passages, which could result in suffocation.

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- Use of unsuitable wire could cause electric leak, overheating or fire.

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- If heat-insulation is inadequate, condensation could occur on the surface of pipes and dewdrops could accumulate on ceiling, floor or important goods.

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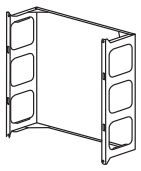
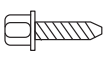
In addition, installation of this product is necessary when cooling operation is to be performed in outside-air temperature of −5℃ or lower (down to −15℃).
Pay attention to the following points when installing this product:
1) To eliminate the effects of external wind, be sure to install this unit with back surface facing wall side.
2) Do not install this unit in orientation or site where wind directly blows at the back of the unit.
3) Installing of this product will reduce the capacity of the unit (approx. 2 or 3%) and increase the noise of outdoor unit (approx. 1 or 2dB).
4) Do not use this product where there is any obstacle at either side or above the outdoor unit (discharged air will be blocked). This may cause a short cycle.

When 2-fan type outdoor unit is used, note that two sets of this product will be becessary.

1 Checking parts

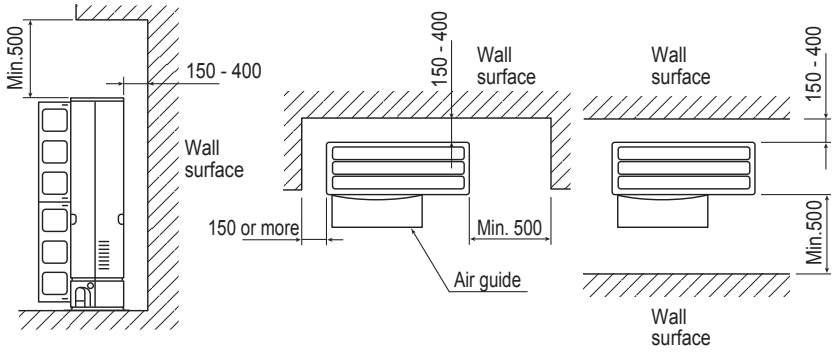
Make sure that all the following parts, in addition to this manual, are in this box:

①Air Guide	1	②Mounting screw (5×15)	6	③Washer	6	④Spring washer	6
							

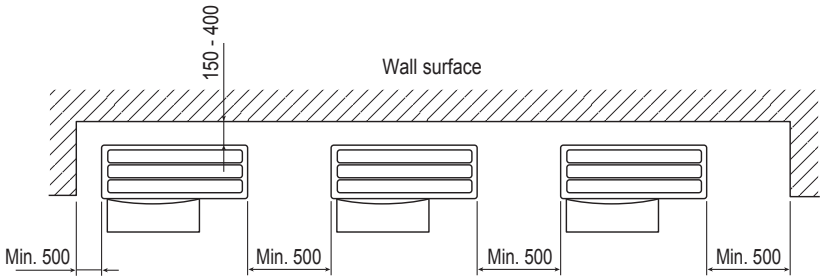
2 Requirements of space for installation

(Unit : mm)

(1)One unit installation

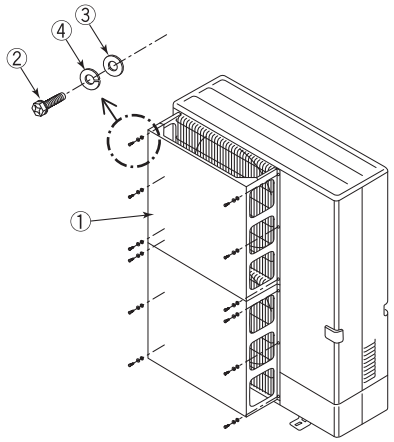


(2)Multiple unit installation : Installation of multiple units in series must be no more than 5 units.



3 Installation procedure

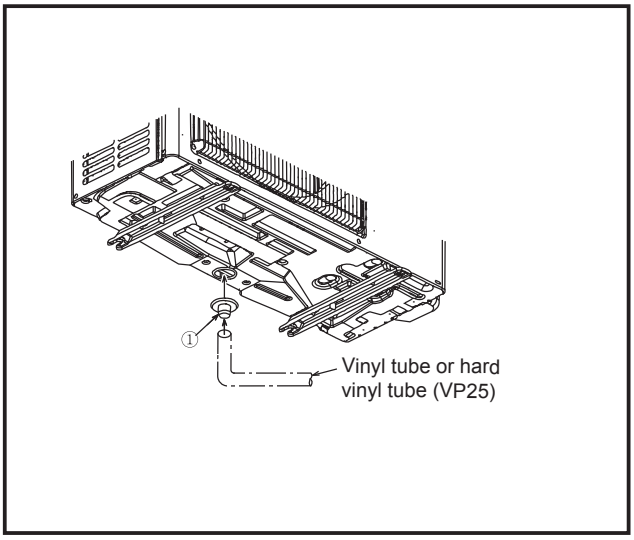
(1)Install the air guide ① on the outdoor unit using washers ③, spring washers ④ and screws ②.



Drain Socket

PAC-SJ08DS-E

Figure



Descriptions

Cap the unnecessary holes on the outdoor unit (bottom) and centralize the drainage when using a drain pipe.

Applicable Models

- PUZ-ZM35VKA
- PUZ-ZM50VKA [R32 type]
- PUHZ-ZRP35VKA2
- PUHZ-ZRP50VKA2 [R410A type]

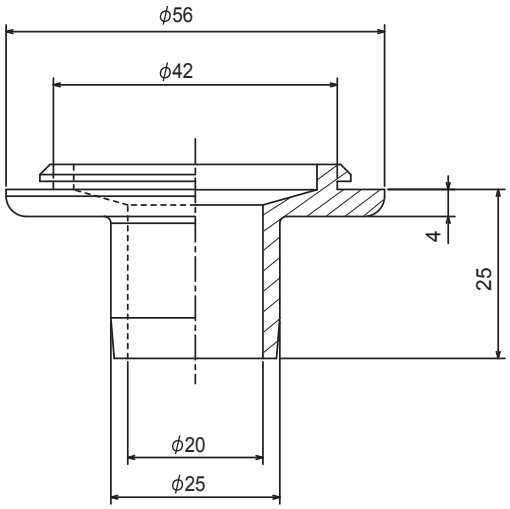
Specifications

Drain pipe	PVC VP-25 or vinyl hose (ID: 25mm)
Operating conditions	No freezing allowed (Never to be used in cold climates)
Material	EPT rubber
Component	Drain socket x 1

Dimensions

Unit: mm

Drain socket



The outdoor unit is provided with several holes for drainage at the bottom to ma
easier. The drain socket is used to close the unnecessary holes and centralize
when using the drain tube at the installation place.
Do not to use the drain socket in cold areas. The drain tube can be frozen.
※ Condensation could drop through the part fitting holes in the bottom of the ou
Use the centralized drain pan to completely prevent condensation dropping.

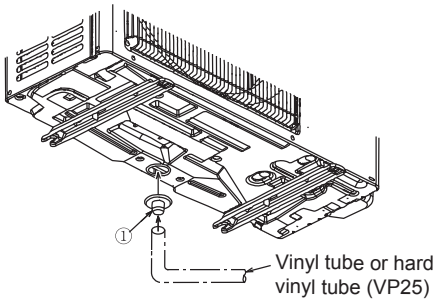
1. Accessory

①Drain socket••••••••••••1 pc

Be aware that the part shown to the left is put in the package together with the installation manual.

2. Installation procedure ☆**Prepare the adhesive in the field.**

(1) Glue the drain socket ① to the hole that is used to the drainage at the bottom of the unit with the glue (Prepare in the field).
(2) Insert a vinyl tube of which inner diameter 25 mm available commercially or a hard vinyl tube VP25 to the drain socket ①.



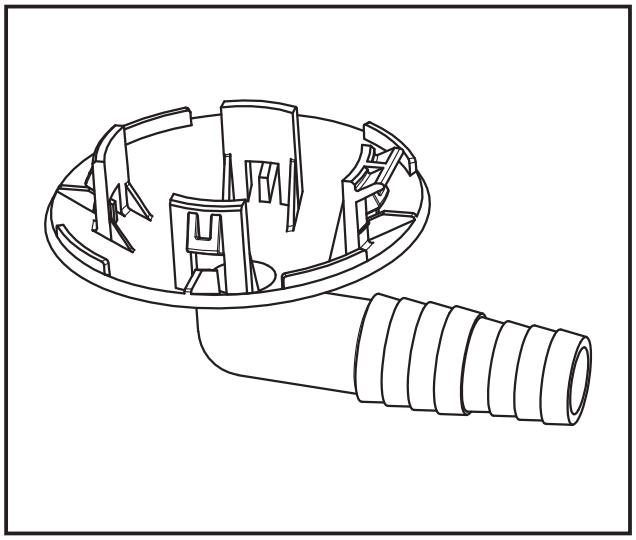
OPTIONAL PARTS

OUTDOOR UNIT

Drain Socket

PAC-SG60DS-E

Figure



Descriptions

Cap the unnecessary holes on the outdoor unit (bottom) and centralize the drainage when using a drain pipe.

Applicable Models

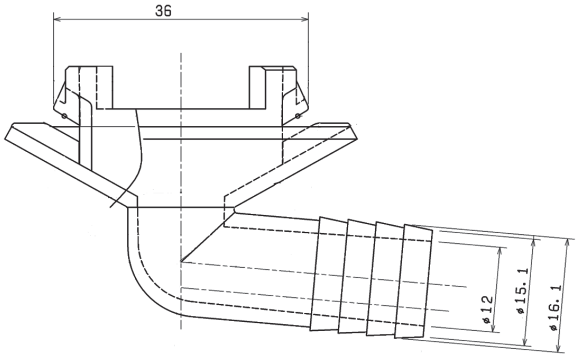
- MXZ-4E83VA
- MXZ-5E102VA
- MXZ-6D122VA2
- MXZ-4F83VF
- MXZ-5F102VF
- MXZ-6F122VF

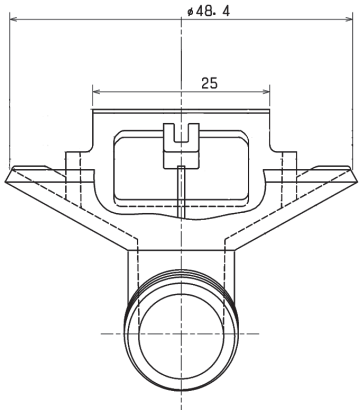
Specifications

Drain pipe	PVC VP-25 or vinyl hose (ID: 25mm)
Operating conditions	No freezing allowed (Never to be used in cold climates)
Material	EPT rubber
Component	Drain socket x 1, Drain cap x 6

Dimensions

Unit: mm





How to Use / How to Install

1. Accessories

Be aware that the following parts are put in the package together with the installation manual.

Ⓐ Drain socket ·····1 pc	Ⓑ Drain cap ·····6 pcs
	

2. Installation procedure for drain unit ☆**Prepare the adhesive in the field.**

Install the unit horizontally.

(1)Please perform the drain piping work only when draining from one place.

❶ Provide drain piping before indoor and outdoor piping connection.

❷ Attach the drain socket Ⓐ to one of the several drain holes. Fix the drain socket Ⓐ into the drain hole of the base using the catches to secure it in place.

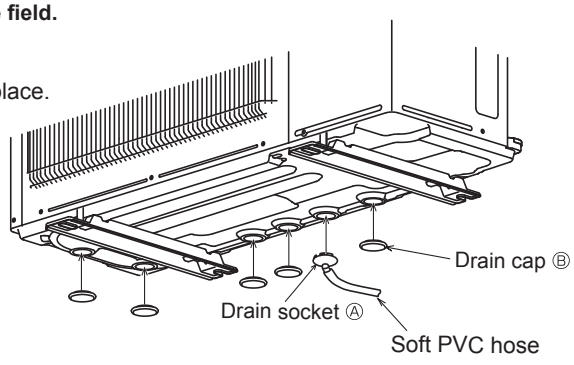
❸ Connect the soft PVC hose I.D.15 ㎜ as shown in the illustration.

❹ Make sure to provide drain piping with a downhill grade for easy drain now.

(2)Glue the drain caps Ⓑ to close all the other unnecessary holes with the glue (Prepare in the field).

<Note>Apply the glue securely, as the glue (Prepare in the field) will work as seal to prevent water from leaking.

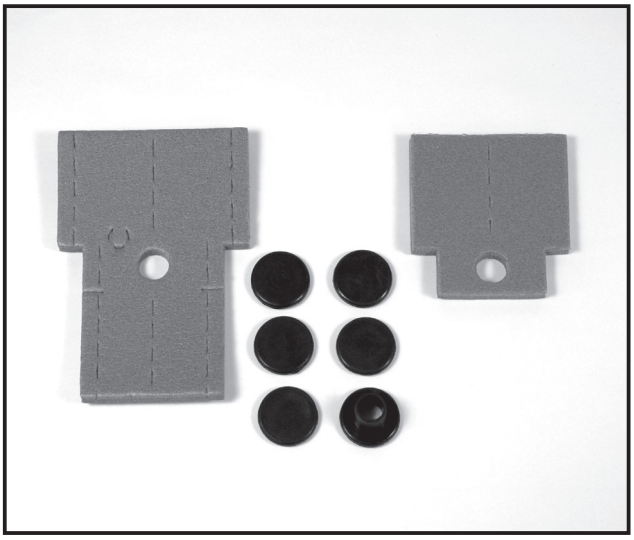
<Note>Use the adhesive for the rubber and metal.



Drain Socket

PAC-SG61DS-E

Photo



Descriptions

Cap the unnecessary holes on the outdoor unit (bottom) and centralize the drainage when using a drain pipe.

Applicable Models

- PUZ-ZM60,71VHA
- PUZ-ZM100,125,140VKA
- PUZ-ZM100,125,140YKA
- PUZ-M100,125,140VKA
- PUZ-M100,125,140YKA
- PUZ-M200,250YKA

[R32 type]

- PUHZ-ZRP60,71VHA2
- PUHZ-ZRP100,125,140VKA3
- PUHZ-ZRP100,125,140YKA3
- PUHZ-ZRP200,250YKA3
- PUHZ-P100,125,140VKA
- PUHZ-P100,125,140YKA
- PUHZ-P200,250YKA3

[R410A type]

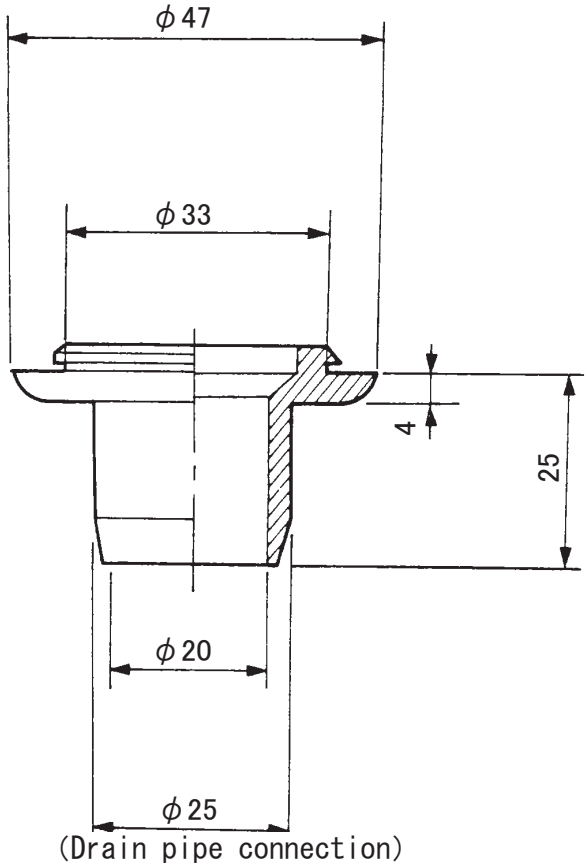
Specifications

Drain pipe	PVC VP-25 or vinyl hose (ID: 25mm)
Operating conditions	No freezing allowed (Never to be used in cold climates)
Material	EPT rubber
Component	Drain socket x 1, Drain cap x 5 Heat insulator x 3 (1 for liquid pipe, 1 large and 1 small insulator for gas pipe), Band x 8

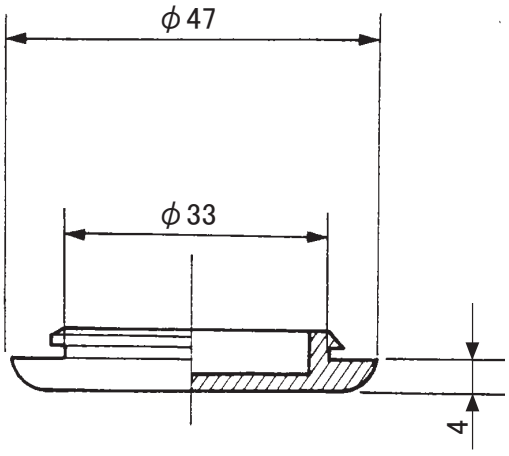
Dimensions

Unit: mm

Drain socket



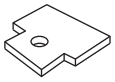
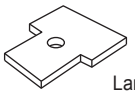
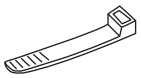
Drain cap



How to Use / How to Install

1 Accessory

Make sure that the following parts are put in the package.

①Drain socket ····· 1 pcs	②Drain cap ····· 5 pcs	
		
③Insulation part (for liquid pipe) ···· 1 pc	④Insulation part (for gas pipe) ····· 1 pc	⑤Band ····· 8 pcs
 Small size	 Large size	

2. Installation method for drain unit ☆Prepare the adhesive in the field.

(1) Glue the drain socket ① to the hole that is used to centralize the drainage among several holes at the bottom of the unit with the glue (Prepare in the field).

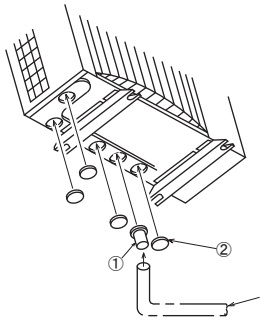
(2) Glue the drain caps ② to close all the other unnecessary holes with the glue (Prepare in the field).

〈Note〉 Apply the glue securely, as the glue (Prepare in the field) will work as seal to prevent water from leaking.

〈Note〉 Use the adhesive for the rubber and metal.

〈Recommended product〉 Supper X series made by CEMEDINE CO., Ltd.

(3) Insert a vinyl tube of which inner diameter 25 mm available commercially or a hard vinyl tube VP25 to the drain socket ①.



3. Installation method for insulation parts

Install the insulation parts to stop valve of the outdoor unit.

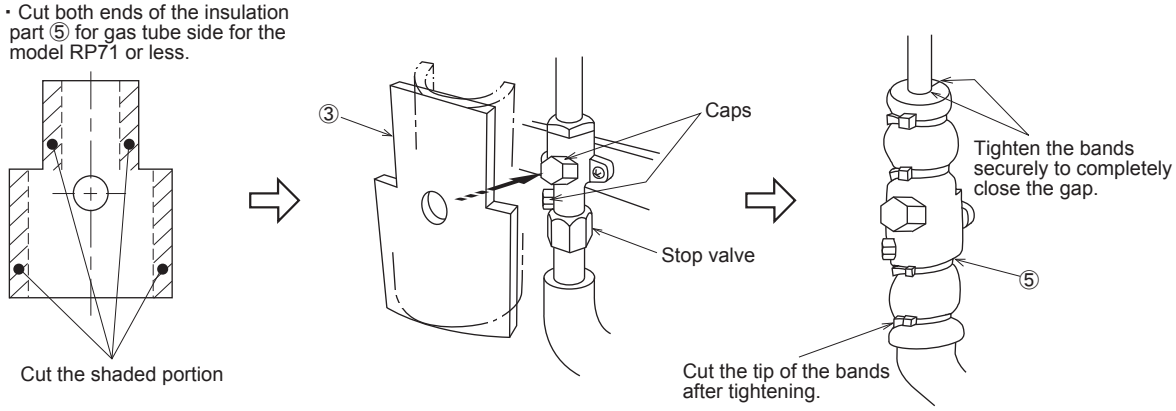
※The insulation parts should be installed after the tube has been connected to the unit.

※Some units are provided with a check valve near stop valve. In this case, cut the insulation parts ③ and ④ so that they will fit the stop valve properly.

(1) Install the insulation part ③ with 2 holes to the liquid pipe side so that the holes fit the valve caps and cover the stop valve entirely.

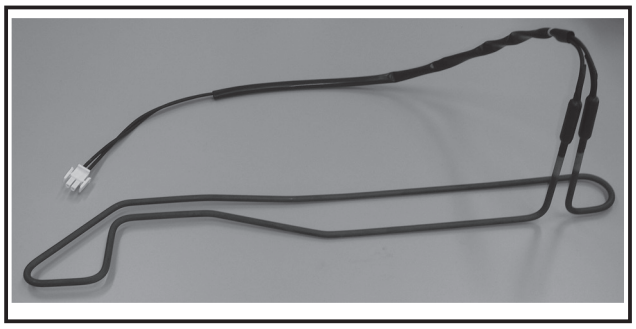
(2) Fix the insulation part ③ securely with bands ⑤.

Install the other insulation part ④ to the gas pipe side with the same procedure.



Freeze-prevention heater (for drain pan) **MAC-643BH-E**

Photo



Descriptions

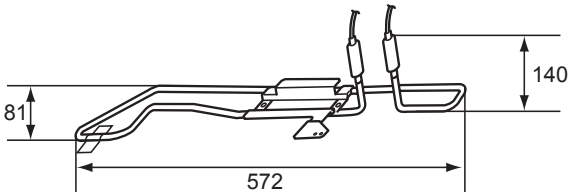
It is freeze-prevention heater for the outdoor unit of the air conditioner.

Applicable Models

- MUZ-EF42VE
- SUZ-KA25VA6
- SUZ-KA35VA6
- MXZ-2F33VF3
- MXZ-2F42VF3
- MXZ-2F53VF3
- MXZ-2F53VF3H
- MXZ-2D33VA
- MXZ-2D42VA2
- MXZ-2D53VA2

Dimensions

Unit: mm



Specifications

Rated voltage	230 V 50 Hz
Power consumption	130 W

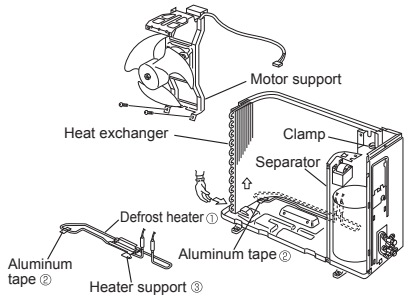
Components

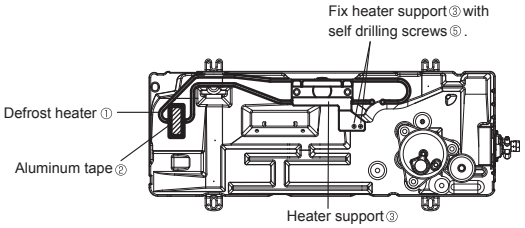
①	Defrost heater	1	⑤	Self drilling screw	2
②	Aluminum tape	1	⑥	Insulation	1
③	Heater support	1	⑦	Wiring diagram	1
④	Cable tie	1	⑧	Spec label	1

How to Use / How to Install

1. INSTALLING THE HEATER

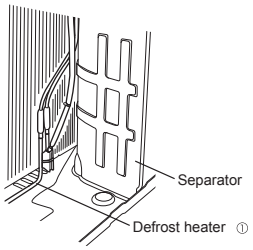
(1) Hold the left lower side of the heat exchanger, and slightly lift up the heat exchanger.
(2) Insert the defrost heater ① under the heat exchanger, and align it with the groove on the base.
After positioning the defrost heater ①, secure it to the base with the aluminum tape ②.
In order to fix the defrost heater to the base, fix the heater support ③ to the base with 2 self drilling screws ⑤.
(3) Put the heat exchanger back in place, and install the motor support and the propeller fan. (Refer to the figure below for details.)

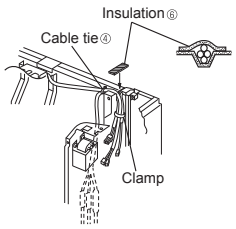




2. FIXING THE WIRES

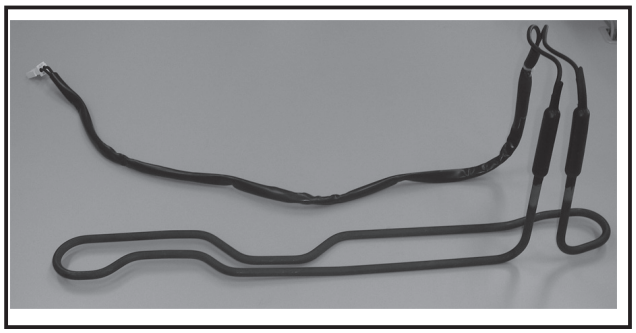
(1) Place the lead wires of the defrost heater ①, fan motor, and ambient temp. thermistor as shown in the figure below. Secure them with the cable tie ④.
*If the lead wires slacken, there is a possibility that they touch the propeller fan.
Be sure to secure the wires with the cable tie ④ and a clamp for safety.
Cut off the surplus of the cable tie ④.
(2) Apply the insulation ⑥ on the place indicated in the figure below.
Secure all the wires tightly with the clamp.
(3) Install the elect assy on the fixed place.
Connect the lead wires from the defrost heater ① to CN 722 on the inverter P.C. board.





Freeze-prevention heater (for drain pan) **MAC-644BH-E**

Photo



Descriptions

It is freeze-prevention heater for the outdoor unit of the air conditioner.

Applicable Models

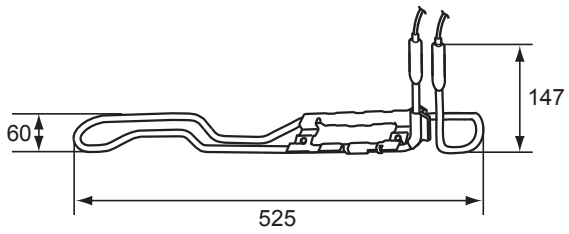
■ SUZ-KA50VA6

Specifications

Rated voltage	230 V 50 Hz
Power consumption	120 W

Dimensions

Unit: mm



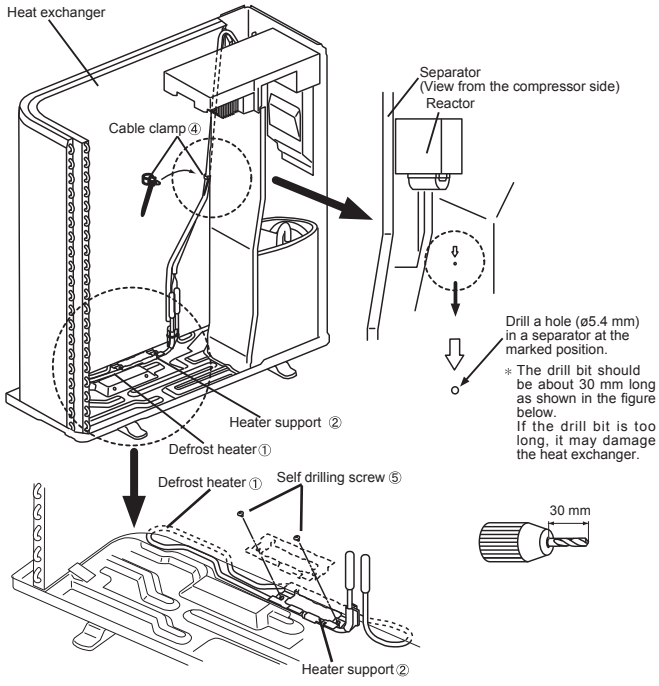
Components

①	Defrost heater	1	⑤	Self drilling screw	2
②	Heater support	1	⑥	Wiring diagram	1
③	Insulation	1	⑦	Spec label	1
④	Cable clamp	1			

How to Use / How to Install

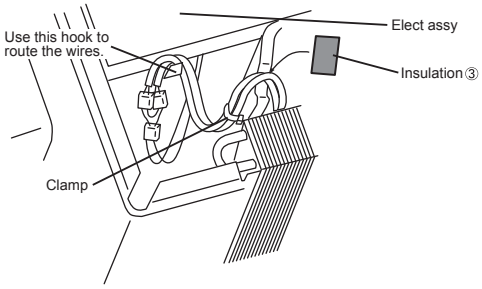
1. INSTALLING THE HEATER

(1) Hold the left lower side of the heat exchanger, and slightly lift up the heat exchanger.
(2) Insert the defrost heater ① under the heat exchanger, and align it with the groove on the base.
In order to fix the defrost heater to the base, fix the heater support ② to the base with 2 self drilling screws ⑤ .
(3) Route the lead wires of the defrost heater①, as shown in the figure below.
Tightly secure them with the cable clamp④ .
*If the lead wires slacken, they may touch the propeller fan. Be sure to secure the wires with the cable clamp ④ for safety.



2. FIXING THE WIRES

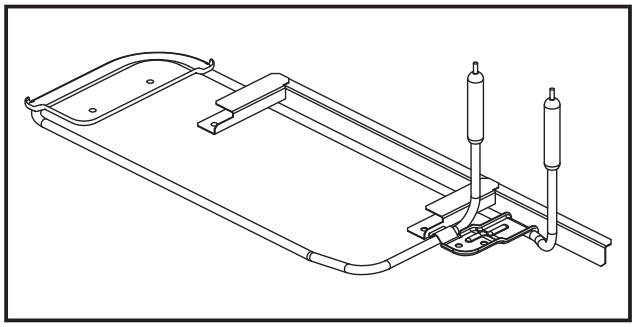
(1) Install the motor support.
(2) Tightly secure all the lead wires of the defrost heater①, the motor, and the ambient thermistor with a clamp as shown in the figure below.
(3) Apply the insulation on ③ the place indicated in the figure below.
(4) Connect the lead wires of the defrost heater ① to the inverter P.C. board (CN722).



Base Heater

PAC-645BH-E

Figure



Descriptions

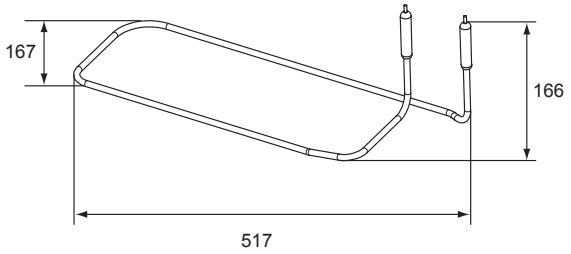
It is freeze-prevention heater for the outdoor unit of the air conditioner.

Applicable Models

- MXZ-4E83VA
- MXZ-5E102VA
- MXZ-6D122VA2
- MXZ-4F83VF
- MXZ-5F102VF
- MXZ-6F122VF

Dimensions

Unit: mm

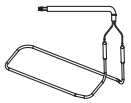
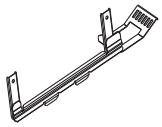


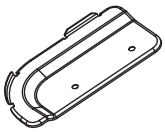
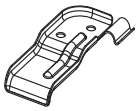
Specifications

Rated voltage	230 V 50 Hz
Power consumption	80 W

Components

This package includes the following parts besides this installation sheet.

① base heater	1	② heater guard*	1	③ screws 5×12	8	④ cable ties	2	⑤ fasteners	2
									

⑥ spec label	1	⑦ base heater support(1)	1	⑧ base heater support(2)	1	⑨ clamp	1
							

* Refer to 4 Mounting the heater guard

How to Use / How to Install

1 Preparation

It is easier to mount the base heater before installing the outdoor unit.
- Make sure that the main power supply to the unit is OFF.
- Do not lose the removed screws. Many screws will be removed to install the base heater.
- Eliminate dust, dirt, etc.

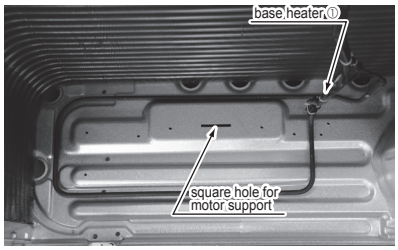
2 Preparation for mounting the base heater

Before mounting the base heater, follow the procedures below to remove some parts from the outdoor unit.
NOTE: Turn OFF power supply before disassembly.

❶ Remove the screw fixing the service panel.
❷ Pull down the service panel and remove it.
❸ Remove the screws fixing the top panel.
❹ Remove the top panel.
❺ Remove the screws fixing the front panel.
❻ Remove the front panel.
❼ Removal of fan.
Remove the mounting screws for the fan. Pull the fan toward you to remove it.
❽ Removal of motor support.
Disconnect the connector of the fan motor, and remove mounting screw for the motor support.
Slightly pull the motor support toward you and lift it up to remove it.

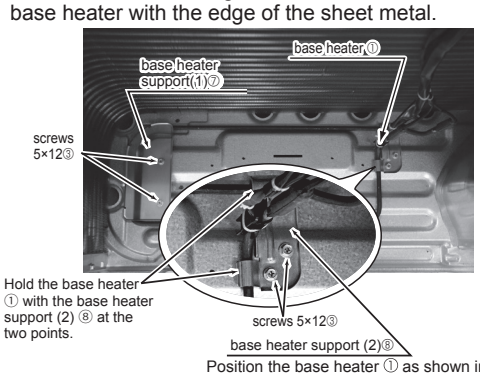
3 Mounting the base heater

❶ Temporarily place the base heater ① along the groove of the base as shown in the photo below.



❷ Fix the base heater ① with the base heater supports ⑦, ⑧ and the screws 5×12 ③.

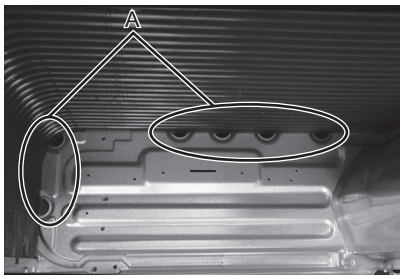
※ Be careful not to damage the lead wire and surface of the base heater with the edge of the sheet metal.



Position the base heater ① as shown in the photo above.

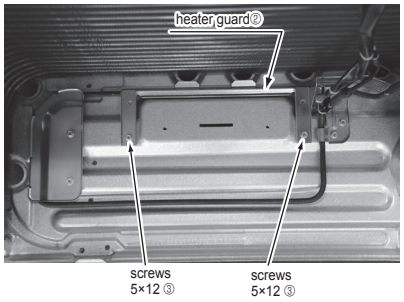
4 Mounting the heater guard

When you see the holes A as in the photo below, install the heater guard ②.

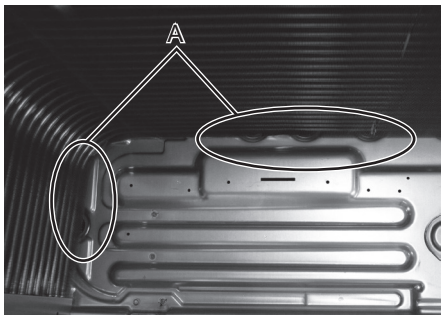


Place the heater guard ② as shown in the below photo. Fix them with the screws 5×12 ③.

<After installation of the heater guard ②>



When the holes A are covered as in the right photo, do not install the heater guard ②.



5 Mounting the motor support

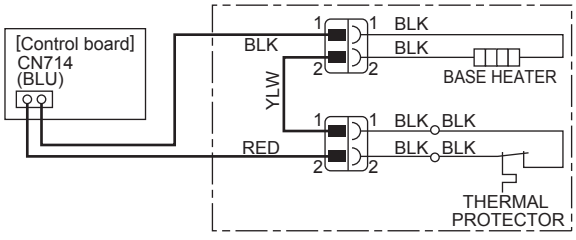
Mount the motor support.

• Make sure that the lead wire is not caught between the bottom of the motor support and the base.

6 Securing the lead wires

Wiring diagram

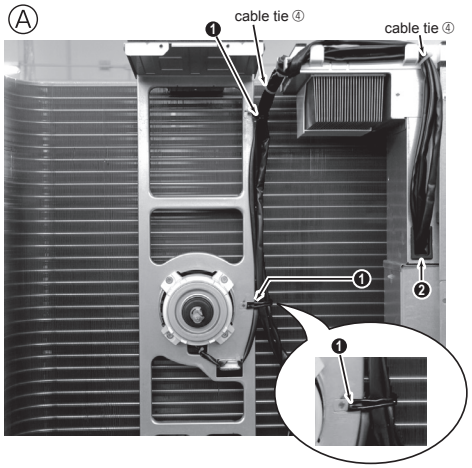
Connect the lead wires according to the wiring diagram on the right.

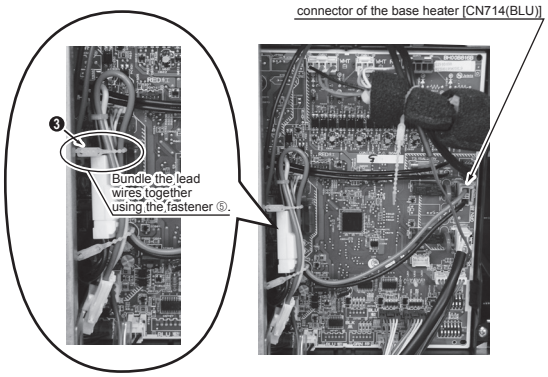


< In case of UNIT size H796 × W950 × D330 > ··· Ⓐ

❶ Bundle the lead wires of the base heater and the fan motor together with clamps.
• Secure the lead wires so they will not interfere with the propeller fan.
❷ Pass the lead wires through the rubber parts hole on the metal parts of the electrical box toward the electrical box.
※ Fix the lead wires between the motor support and the rubber parts hole with the cable ties ④.
❸ After connecting the lead wires, bundle the extra lead wires together and secure them with the fastener ⑤.
※ Arrange the lead wires so that they do not touch the service panel.

Ⓐ

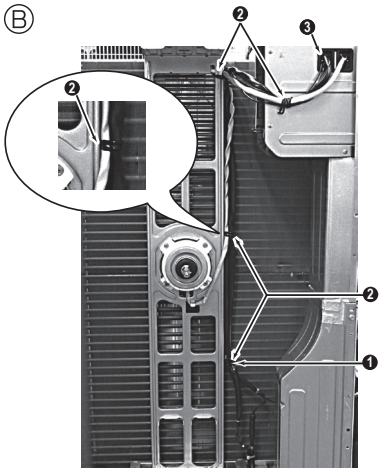


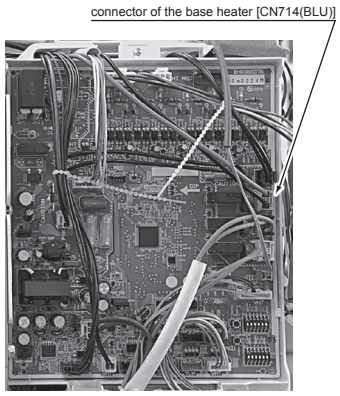


< In case of UNIT size H1048 × W950 × D330 > ··· Ⓑ

❶ Fix the clamp ⑨ on the right side of the motor support with screw 5×12 ③.
❷ Bundle the lead wires of the base heater and the fan motor together with clamps.
• Secure the lead wires so they will not interfere with the propeller fan.
❸ Pass the lead wires through the rubber parts hole on the metal parts of the electrical box toward the electrical box.
※ Arrange the lead wires so that they do not touch the service panel.

Ⓑ

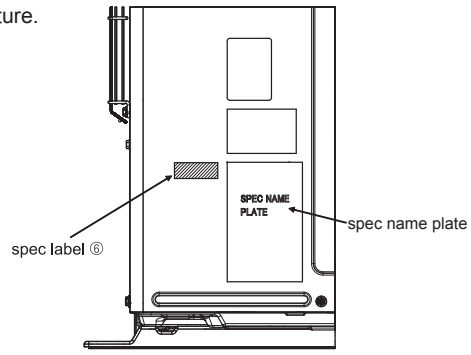




7 Attaching the spec label

Attach the spec label ⑥ by the spec name plate on the service panel.

※ This is an example picture.



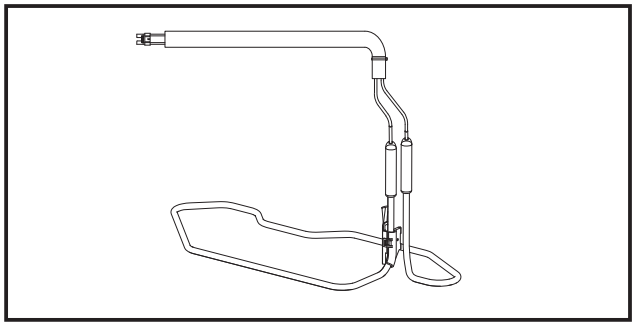
8 Reinstallation

Make sure that the installation of the base heater and connections of the lead wires have been completed according to this installation sheet.
Install the removed parts in the reverse order of removal.
• Tighten the propeller fan with a torque of 5.7±0.3N•m[4.2±0.2ft-lbs](57±3kgf•cm).
• Rotate the propeller fan and make sure that the base heater and the lead wires do not interfere with the movement of propeller fan.

⚠WARNING

Mount the outer panels securely. Incomplete installation may result in electric shock and fire caused by dust, water, etc.

Figure



Descriptions

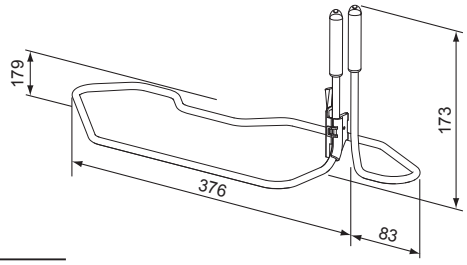
It is freeze-prevention heater for the outdoor unit of the air conditioner.

Applicable Models

- MXZ-3E54VA
- MXZ-3E68VA
- MXZ-4E72VA
- MUZ-EF50VE
- MXZ-3F54VF3
- MXZ-3F68VF3
- MXZ-4F72VF3
- MXZ-4F80VF3

Dimensions

Unit: mm

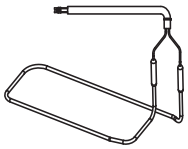
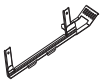
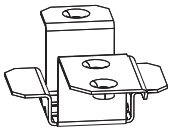
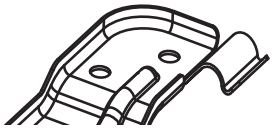


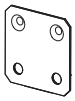
Specifications

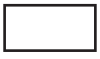
Rated voltage	230 V 50 Hz
Power consumption	120 W

Components

This package includes the following parts besides this installation sheet.

① Base heater	1	② Heater support U	2	③ Heater support L	2	④ Heater plate	1
							

⑤ Cable tie	3	⑥ Fastener	2	⑦ Earth plate	1	⑧ Earth wire	2
							

⑨ Screw M4×8	8	⑩ Self-drilling screw	2	⑪ Spec label	1	⑫ Cable strap	2
							

How to Use / How to Install

1 Preparation

It is easier to mount the base heater before installing the outdoor unit.

- Make sure that the main power supply to the unit is OFF.
- Do not lose the removed screws. Many screws will be removed to install the base heater.
- Eliminate dust, dirt, etc.

2 Preparation for mounting the base heater

Before mounting the base heater, follow the procedures below to remove some parts from the outdoor unit.

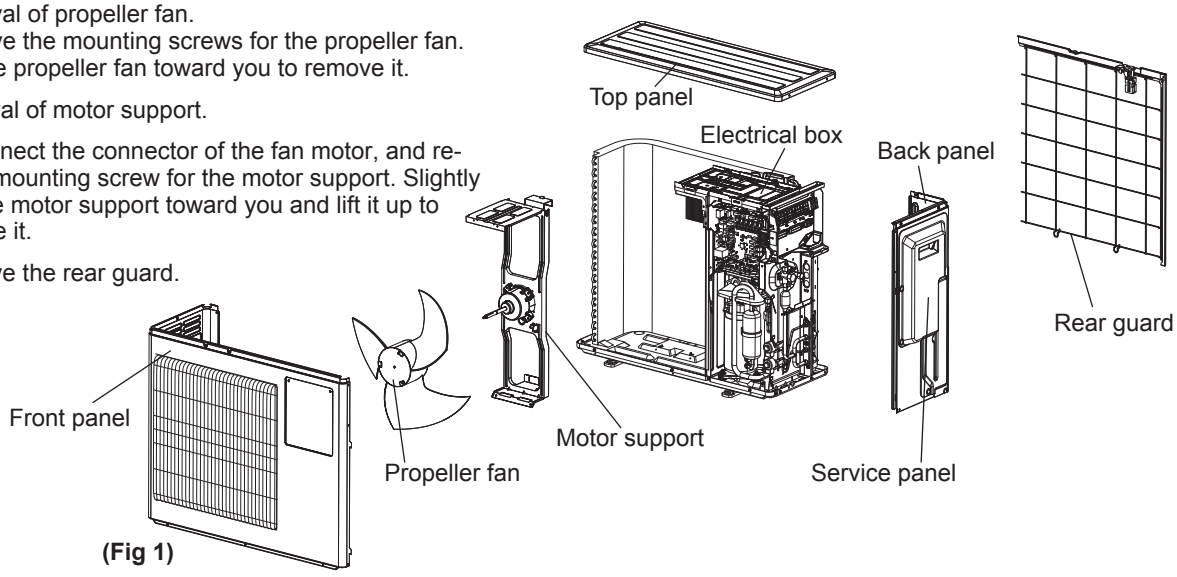
NOTE: Turn OFF power supply before disassembly.

❶ Remove the screw fixing the service panel.
❷ Pull down the service panel and remove it.
❸ Remove the screws fixing the top panel.
❹ Remove the top panel.
❺ Remove the screws fixing the front panel.
❻ Remove the front panel.
❼ Removal of fan.
Remove the mounting screws for the fan. Pull the fan toward you to remove it.
❽ Removal of motor support.
Disconnect the connector of the fan motor, and remove mounting screw for the motor support.
Slightly pull the motor support toward you and lift it up to remove it.

3 Before installation

Before installation, follow the procedures below to remove some parts from the outdoor unit.
NOTE: Turn OFF power supply before disassembly.

1) Remove the screw fixing the service panel.
2) Remove the service panel.
3) Remove the screws fixing the top panel.
4) Remove the top panel.
5) Remove the screws fixing the front panel.
6) Remove the front panel.
7) Remove the screws fixing the back panel.
8) Remove the back panel.
9) Disconnect the connectors (CN791, CN792, CN712, CNTH2, CNTH1, CN797, CN63H, CNF1, and relay connector), and remove the electrical box.
10) Removal of propeller fan.
    Remove the mounting screws for the propeller fan. Pull the propeller fan toward you to remove it.
11) Removal of motor support.
    Disconnect the connector of the fan motor, and remove mounting screw for the motor support. Slightly pull the motor support toward you and lift it up to remove it.
12) Remove the rear guard.

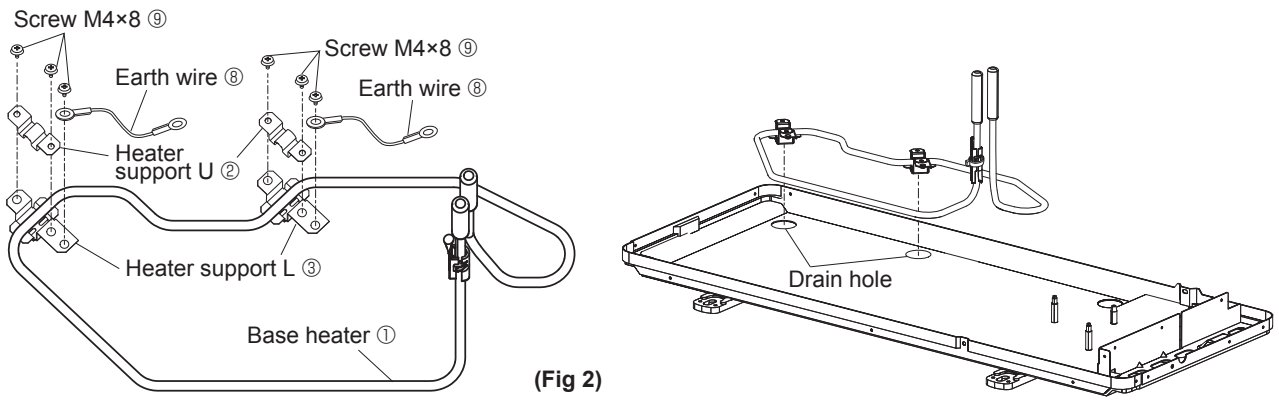


(Fig 1)

4 Preparation for mouting the base heater

1) Fix the heater support U ② and L ③ to the base heater ① with 2 screws M4×8 ⑨ (2 places) as shown in the Fig 2. (Place the heater supports as they fit in the drain holes).

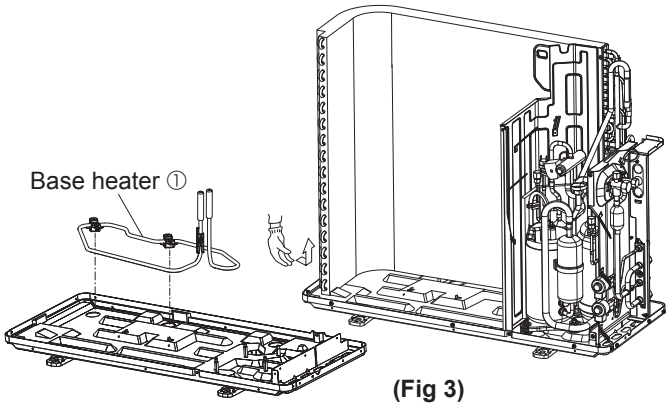
2) Fix an earth wire ⑧ to each heater support L ③ with screw M4×8 ⑨.



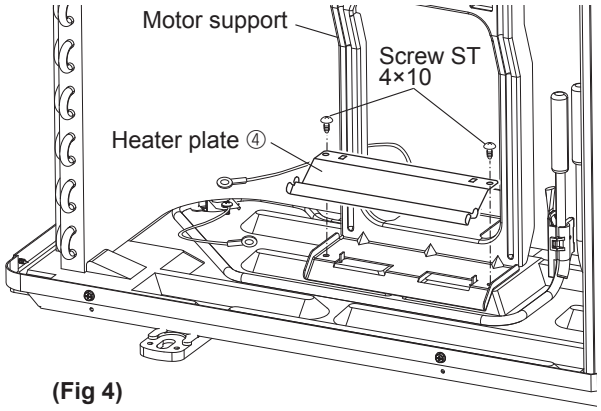
(Fig 2)

5 Installing the base heater

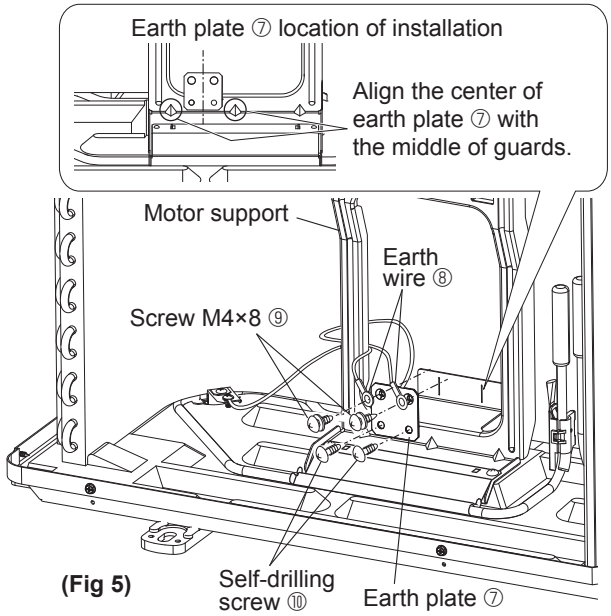
1) Hold the left lower side of the heat exchanger and slightly lift it up as shown in the Fig 3.
2) Insert the base heater ① under the heat exchanger, and align it with the groove on the base. Confirm that the heater supports are placed as they fit in the drain holes.
3) Mount the motor support.
   NOTES:
   - Take out the earth wire to the left side of the motor support.
   - Make sure that the lead wire is not caught between the bottom of the motor support and the base.
4) Fix the front side of the base heater ① with the heater plate ④.
   Fix the heater plate ④ and motor support with the 2 screws that were installed to fix the motor support as shown in the Fig 4.
5) Screw the earth plate ⑦ on the motor support by self-drilling screw ⑩ as shown in the Fig 5.
6) Fix the 2 earth wires ⑧ which are attached to the heater support to the earth plate ⑦.



(Fig 3)



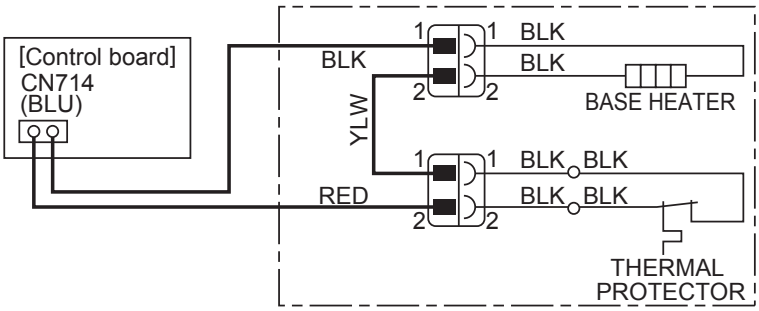
(Fig 4)



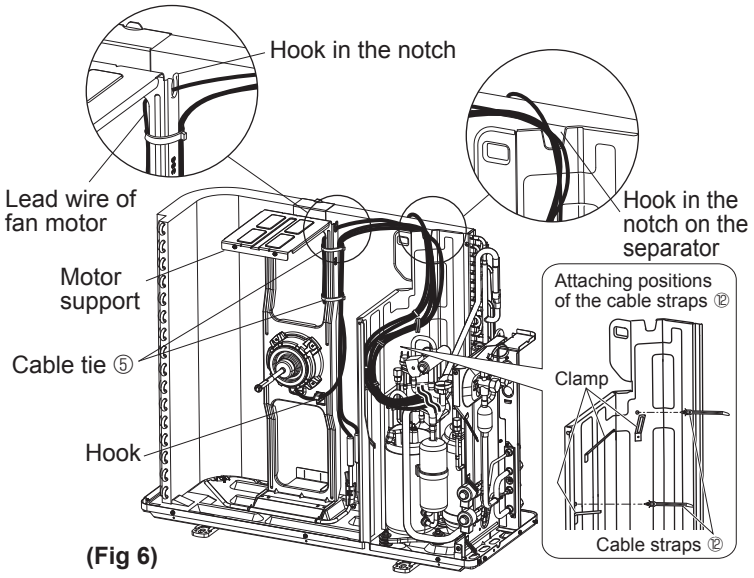
(Fig 5)

6 Securing the lead wires

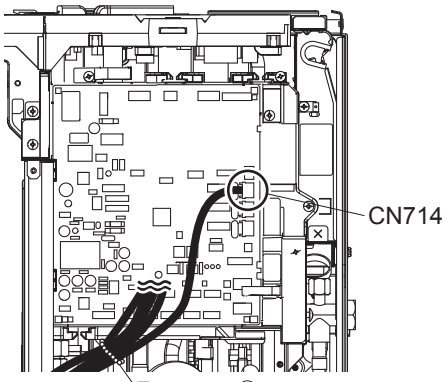
Wiring diagram
Connect the lead wires according to the wiring diagram on the right.



1) Bundle the lead wires of the base heater and the fan motor together, and fix 2 positions with the cable ties ⑤.
   - Secure the lead wires so they will not interfere with the propeller fan.
   - Hook the lead wire of the fan motor to the hook on the motor support and the ditch.
2) Reinstall the rear guard.
3) Attach the 2 cable straps ⑫ on the separator as shown in Fig 6.
   - The holes to mount the cable straps ⑫ are covered with aluminum tape. Remove the tape before attaching the cable straps ⑫.
4) Hook all the lead wires in the notch of the separator.
5) Secure the lead wire of the base heater with the 2 cable straps ⑫.
6) Secure other lead wires with 3 clamps on the separator.
7) Reinstall the electrical box. Reconnect the connectors.
8) Connect the lead wire of the base heater to the connector CN714 on the controller circuit board as show in the Fig 7.
9) Bundle all the connectors except CN791, CN792, and relay connector with the fastener ⑥.



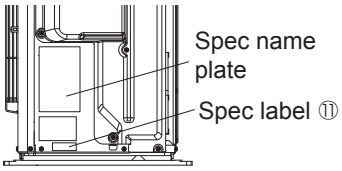
(Fig 6)



(Fig 7)

7 After installation

1) Reinstall the propeller fan, back panel, front panel, top panel, and service panel.
2) Attach the spec label ⑪ below the spec name plate.
3) Turn on the breaker, and perform test run to confirm that it works properly.
   * Do not install either drain socket which is provided with the outdoor unit or purchased separately. Inside of the drain hose and/or the drain socket may freeze if the drain socket is installed.



(Fig 8)

- Tighten the propeller fan with a torque of 3.4 $^{0}_{-0.5}$ N•m [2.5 $^{0}_{-0.4}$ ft-lbs](34 $^{0}_{-5}$ kgf•cm).
- Rotate the propeller fan and make sure that the base heater and the lead wires do not interfere with the movement of propeller fan.

⚠ WARNING

Mount the outer panels securely. Incomplete installation may result in electric shock and fire caused by dust, water, etc.

Photo

Descriptions

A drain pan for the drain water generated from the outdoor unit.

Applicable Models

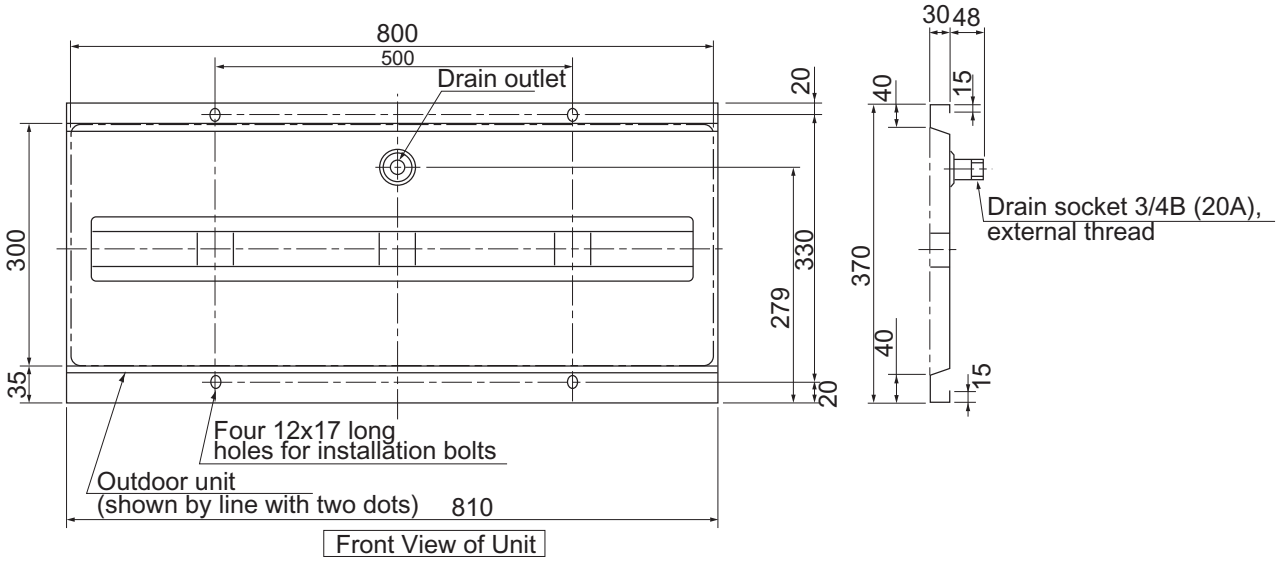
- PUZ-ZM35VKA
- PUZ-ZM50VKA [R32 type]
- PUHZ-ZRP35VKA2
- PUHZ-ZRP50VKA2 [R410A type]

Specifications

Drain outlet size		R3/4 screw (20A)
Exterior	Color (Munsell)	Ivory (3.0Y 7.8/1.1)
	Surface treatment	Acrylic resin coating
	Material	Alloy hot-dip zinc-coated carbon steel sheet (t1.6)
Weight		6.3kg
Mounting bolt (locally prepared)		M10 (or W3/8), length: 48 mm or less extrusion from drain pan's under surface

Dimensions

Unit: mm

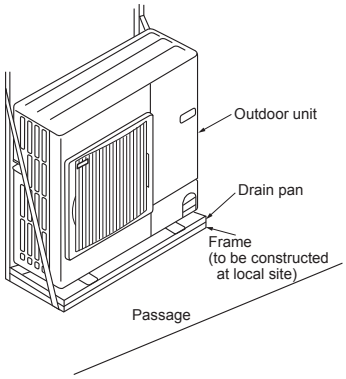


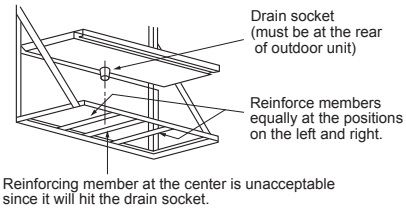
How to Use / How to Install

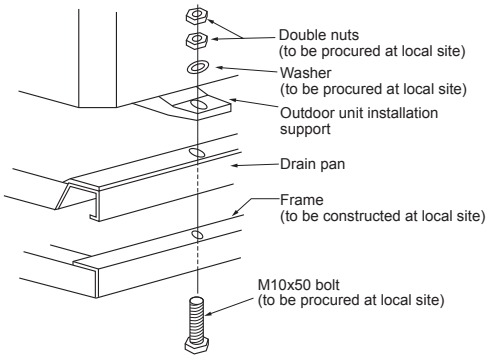
1 Installation Method

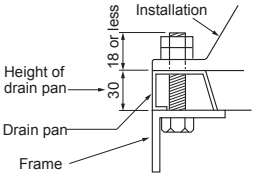
(1) When installing on installation frame

1) The installation frame must have structure and strength that can sufficiently support the outdoor unit and drain pan. Securely install the outdoor unit and drain pan so that they cannot fall or drop as a result of earthquake, strong wind, etc.
2) The drain socket of drain pan is at the center in the longitudinal direction. When constructing the installation frame, be careful that no part of the frame interferes with the socket.
3) The drain pan is tightened with the outdoor unit. Punch approx. ϕ13 holes in the installation frame at pitches to install the outdoor unit.
4) Fix the frame, drain pan and outdoor unit together to join them firmly (at the 4 points). The bolt length must be no more than 60 mm.



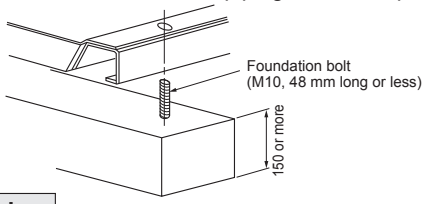


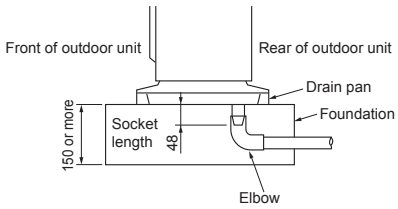




(2) When installing on foundation

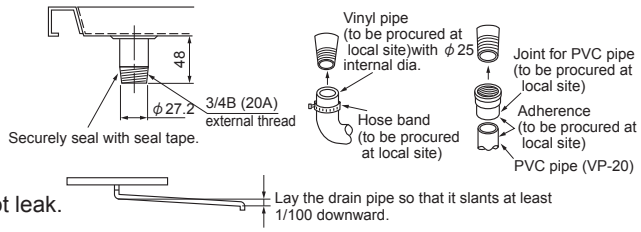
- Since concentrated drain disposal is necessary, make the foundation at least 150 mm high measured from the ground as shown in the figure below.
  If it is less than 150 mm, drain piping will not be possible because the drain socket protrudes 48 mm.





2 Drain Piping

(1) When connecting steel pipe:
Connect 3/4B internally threaded pipe.
(2) When connecting vinyl pipe (soft):
Use a ϕ25 mm internal dia. pipe, and fix the connected section with a hose band, etc.
(3) When connecting PVC pipe (hard):
Use VP-20 and connect with a joint for PVC pipe.
※In all cases, seal the socket threaded section securely with a seal tape, etc., and make sure that water does not leak.



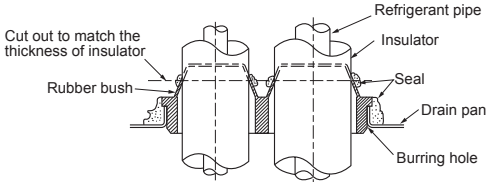
3 Refrigerant Piping

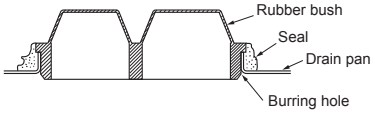
※For PAC-SG64DP-E only

- The refrigerant pipe can be laid in from four directions: front, right, rear and bottom. When laying, be sure to perform the following:

(1) Piping from the bottom:
Cut out the rubber bush to match the thickness of refrigerant pipe insulator. Pass the refrigerant pie through the rubber bush and fit it into the burring hole. Seal it with adhesive that is equivalent to Cemedyne 366 (to be procured at local site) to prevent water leak.

(2)Piping from other directions:
Block the burring hole of the bottom piping section in the drain pan with rubber bush. Seal it with adhesive that is equivalent to Cemedyne 366 (to be procured at local site) to prevent water leak.





Photo

Descriptions

A drain pan for the drain water generated from the outdoor unit.

Applicable Models

- PUZ-ZM60VHA
- PUZ-ZM71VHA

[R32 type]

- PUHZ-ZRP60VHA2
- PUHZ-ZRP71VHA2

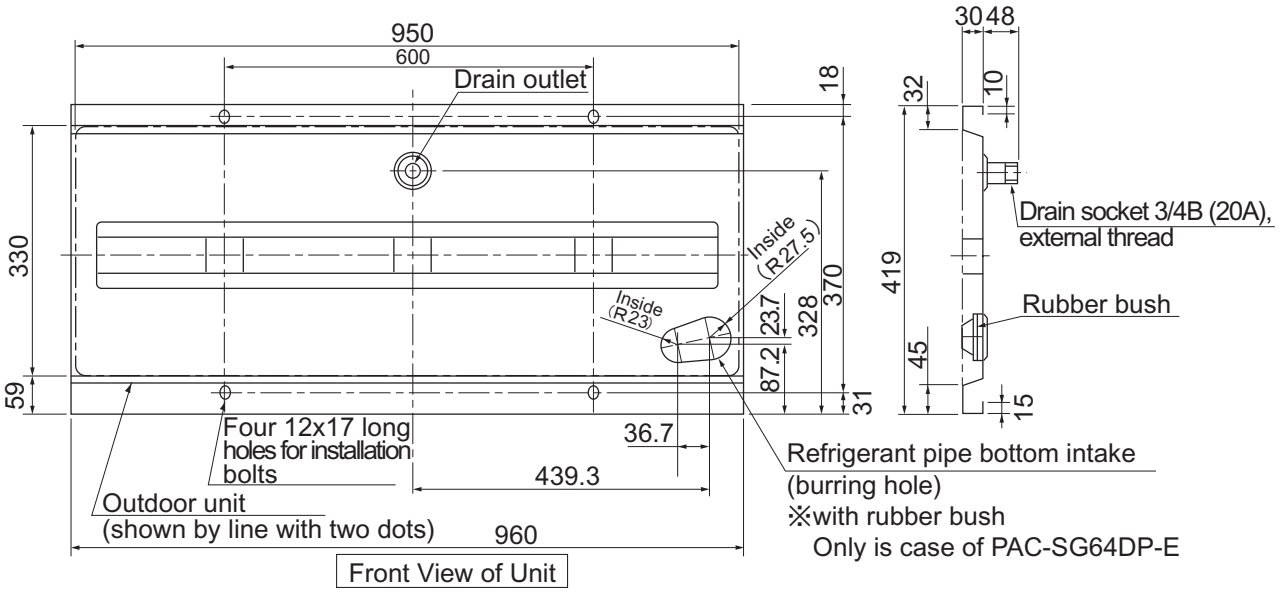
[R410A type]

Specifications

Drain outlet size		R3/4 screw (20A)
Exterior	Color (Munsell)	Ivory (3.0Y 7.8/1.1)
	Surface treatment	Acrylic resin coating
	Material	Alloy hot-dip zinc-coated carbon steel sheet (t1.6)
Weight		7.8kg
Mounting bolt (locally prepared)		M10 (or W3/8), length: 60 mm or less extrusion from drain pan's under surface

Dimensions

Unit: mm

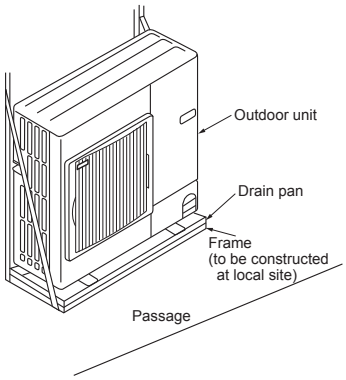


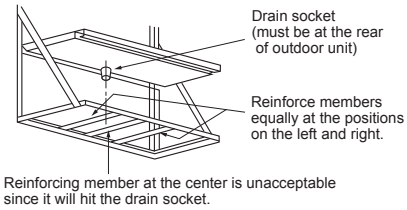
How to Use / How to Install

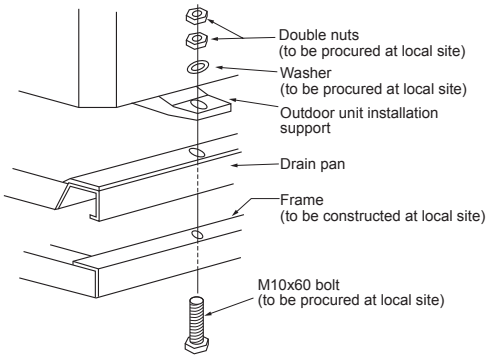
1 Installation Method

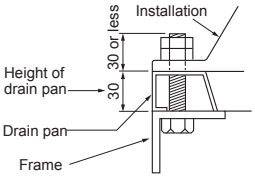
(1) When installing on installation frame

1) The installation frame must have structure and strength that can sufficiently support the outdoor unit and drain pan. Securely install the outdoor unit and drain pan so that they cannot fall or drop as a result of earthquake, strong wind, etc.
2) The drain socket of drain pan is at the center in the longitudinal direction. When constructing the installation frame, be careful that no part of the frame interferes with the socket.
3) The drain pan is tightened with the outdoor unit. Punch approx. ϕ13 holes in the installation frame at pitches to install the outdoor unit.
4) Fix the frame, drain pan and outdoor unit together to join them firmly (at the 4 points). The bolt length must be no more than 60 mm.



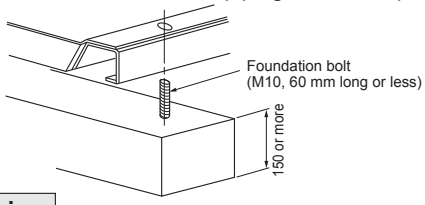


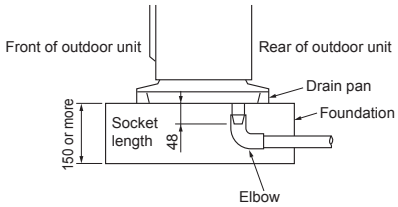




(2) When installing on foundation

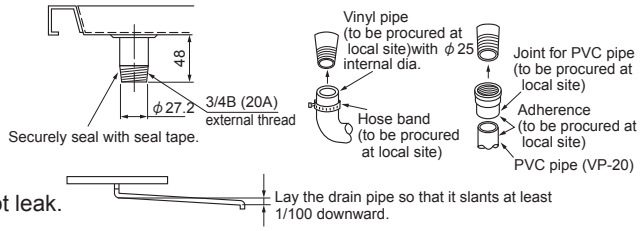
- Since concentrated drain disposal is necessary, make the foundation at least 150 mm high measured from the ground as shown in the figure below.
  If it is less than 150 mm, drain piping will not be possible because the drain socket protrudes 48 mm.





2 Drain Piping

(1) When connecting steel pipe:
Connect 3/4B internally threaded pipe.
(2) When connecting vinyl pipe (soft):
Use a ϕ25 mm internal dia. pipe, and fix the connected section with a hose band, etc.
(3) When connecting PVC pipe (hard):
Use VP-20 and connect with a joint for PVC pipe.
※In all cases, seal the socket threaded section securely with a seal tape, etc., and make sure that water does not leak.



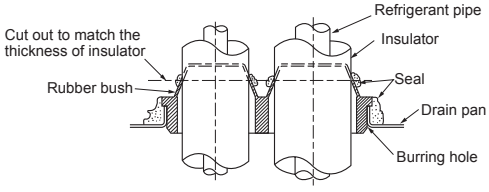
3 Refrigerant Piping

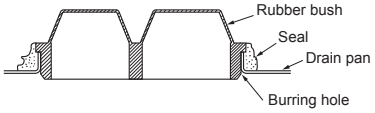
※For PAC-SG64DP-E only

- The refrigerant pipe can be laid in from four directions: front, right, rear and bottom. When laying, be sure to perform the following:

(1) Piping from the bottom:
Cut out the rubber bush to match the thickness of refrigerant pipe insulator. Pass the refrigerant pie through the rubber bush and fit it into the burring hole. Seal it with adhesive that is equivalent to Cemedyne 366 (to be procured at local site) to prevent water leak.

(2)Piping from other directions:
Block the burring hole of the bottom piping section in the drain pan with rubber bush. Seal it with adhesive that is equivalent to Cemedyne 366 (to be procured at local site) to prevent water leak.





Photo

Descriptions

A drain pan for the drain water generated from the outdoor unit.

Applicable Models

- PUZ-ZM100,125,140VKA
- PUZ-ZM100,125,140YKA
- PUZ-ZM200,250YKA
- PUZ-M100,125,140VKA
- PUZ-M100,125,140YKA
- PUZ-M200,250YKA

[R32 type]

- PUHZ-ZRP100,125,140VKA3
- PUHZ-ZRP100,125,140YKA3
- PUHZ-P100,125,140VKA
- PUHZ-P100,125,140YKA
- PUHZ-ZRP200,250YKA3
- PUHZ-P200,250YKA3

[R410A type]

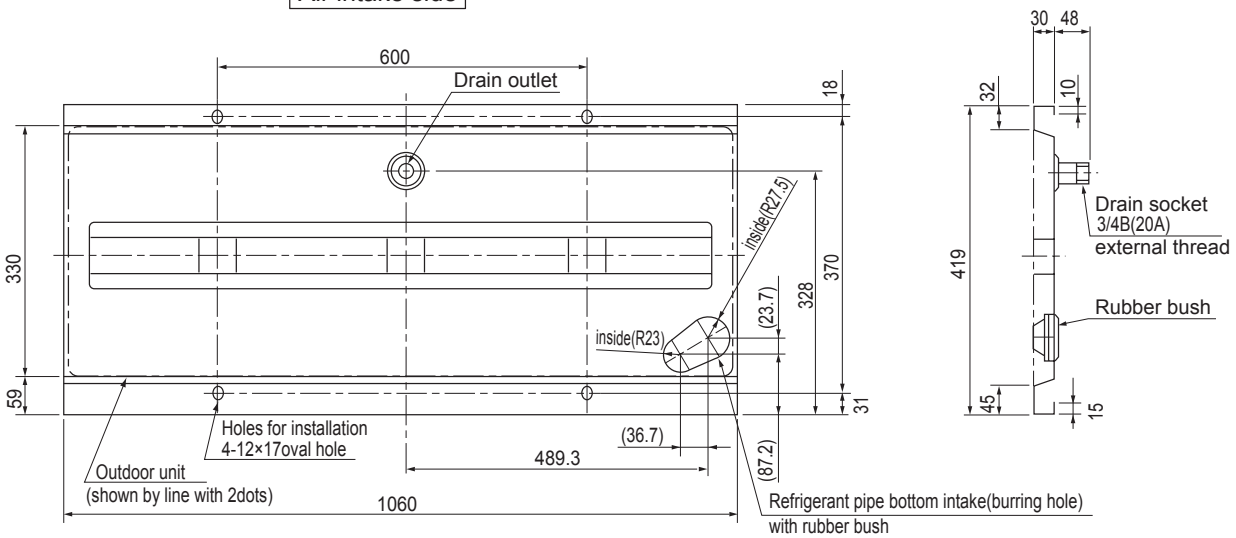
Specifications

Drain outlet size		R3/4 screw (20A)
Exterior	Color (Munsell)	Ivory (3.0Y 7.8/1.1)
	Surface treatment	Acrylic resin coating
	Material	Alloy hot-dip zinc-coated carbon steel sheet (t1.6)
Weight		8.8kg
Mounting bolt (locally prepared)		M10 (or W3/8), length: 60 mm or less extrusion from drain pan's under surface

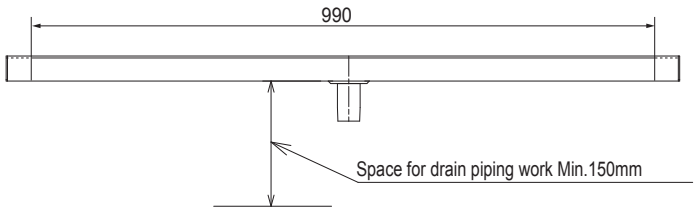
Dimensions

Unit: mm

Air intake side



Air outlet side



How to Use / How to Install

1 Installation Method

(1) When installing on installation frame

1) The installation frame must have structure and strength that can sufficiently support the outdoor unit and drain pan. Securely install the outdoor unit and drain pan so that they cannot fall or drop as a result of earthquake, strong wind, etc.
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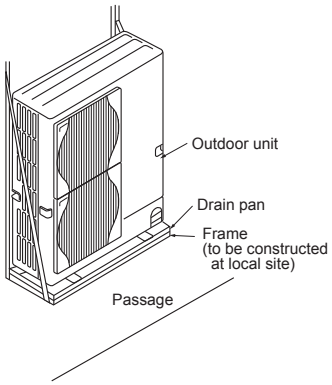

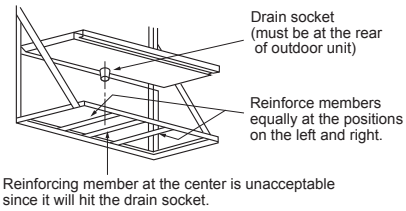

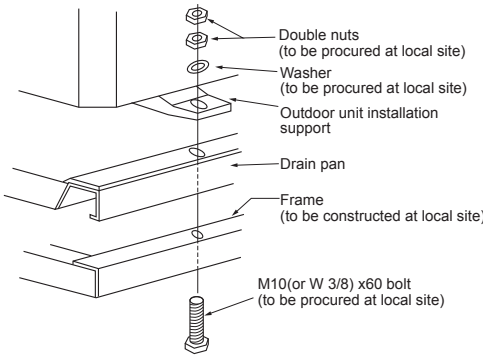

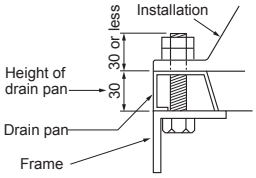

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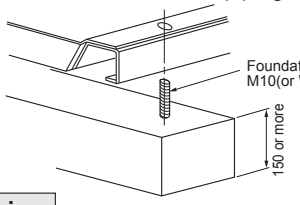

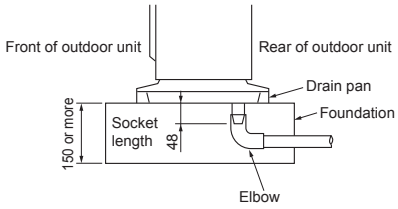

2 Drain Piping

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Connect 3/4B internally threaded pipe.
(2) When connecting vinyl pipe (soft):
Use a ϕ25 mm internal dia. pipe, and fix the connected section with a hose band, etc.
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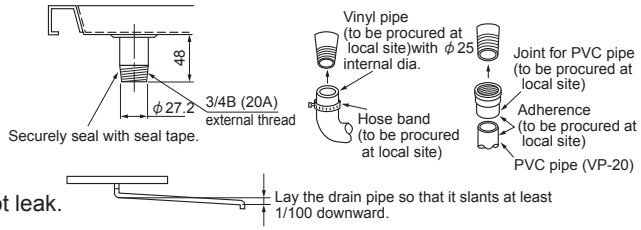
Use VP-20 and connect with a joint for PVC pipe.
※In all cases, seal the socket threaded section securely with a seal tape, etc., and make sure that water does not leak.



3 Refrigerant Piping

- The refrigerant pipe can be laid in from four directions: front, right, rear and bottom. When laying, be sure to perform the following:

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Cut out the rubber bush to match the thickness of refrigerant pipe insulator. Pass the refrigerant pie through the rubber bush and fit it into the burring hole. Seal it with adhesive that is equivalent to Cemedyne 366 (to be procured at local site) to prevent water leak.

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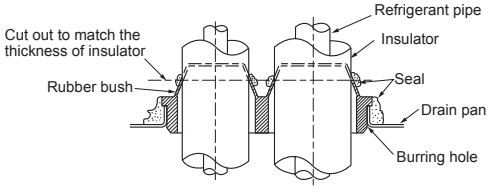
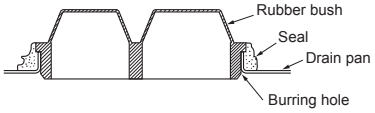




Descriptions

A-control MXZ models can be connected to “M-NET” through optional M-NET converter so that they can be monitored / controlled effectively and meticulously.

Applicable Models

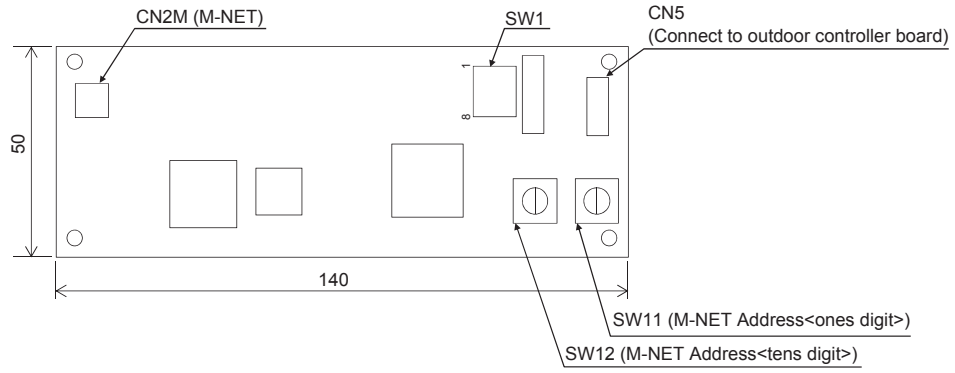
- MXZ-4E83VA
- MXZ-5E102VA
- MXZ-6D122VA2
- MXZ-2E53VAHZ
- MXZ-4E83VAHZ

Specifications

Power	Supplied from power supply unit
Power consumption	0.8 W (at 30 V DC)
Operating conditions	Mounted inside the electrical utility box of outdoor unit. (Temperature: -20 to 60℃ , humidity: 90% or less (no condensation))
Weight	0.3kg

Dimensions

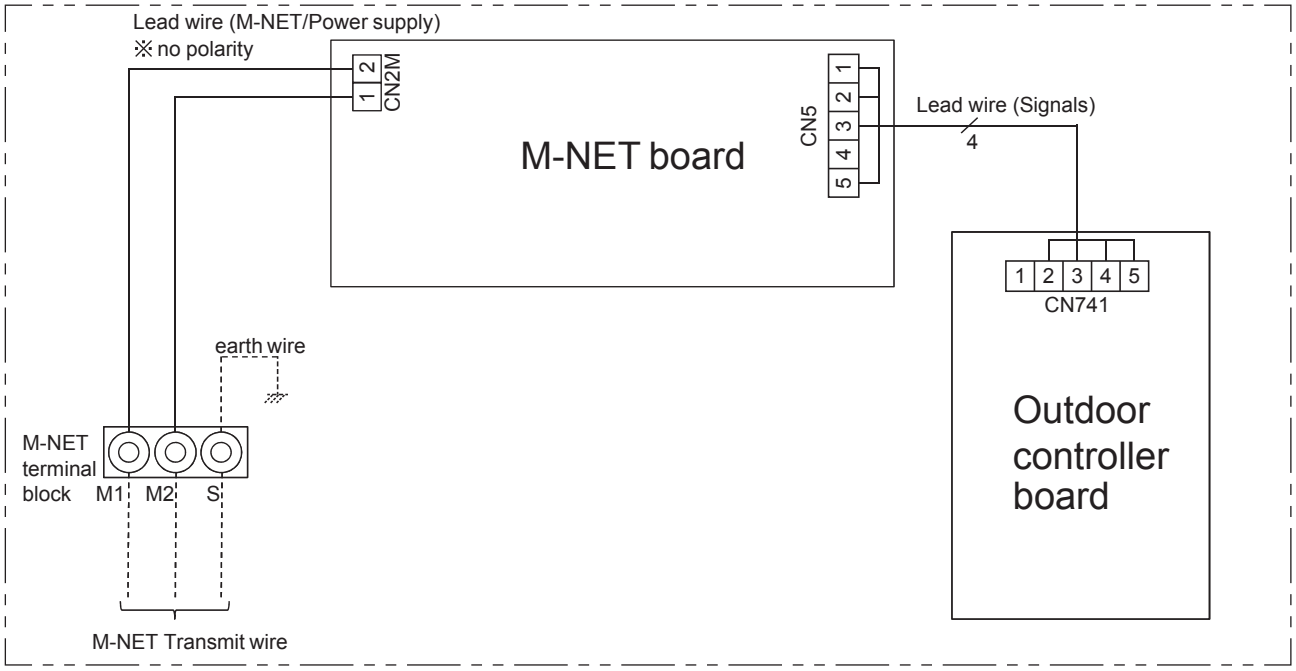
Unit: mm



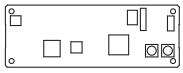
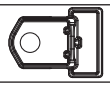
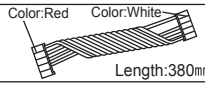
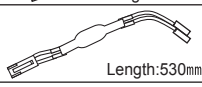
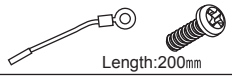
How to Use / How to Install

1. Wiring diagram

The electrical box of outdoor unit.



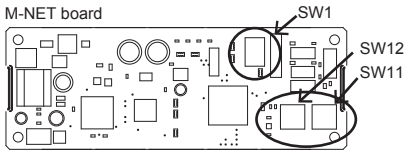
2. Parts List

No.	Description	Figure	Q'ty
①	M-NET Board		1
②	Fixture		2
③	Screw (M3×10)		2
④	Terminal block (M-NET)		1
⑤	Terminal screw (M4×25)		1
⑥	Label	CENTRALIZED CONTROL M1 M2 S BG79H744H03	1
⑦	Lead wire-A (4 wires)		1
⑧	Lead wire-B (2 wires)		1
⑨	Ground wire and screw (M4×8)		1each
⑩	Fastener		2

3. Switch setting

Before installation

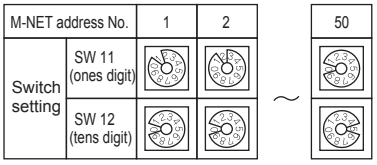
Set M-NET address on M-NET board in advance before installing on the electrical box.



(1) M-NET head address setting

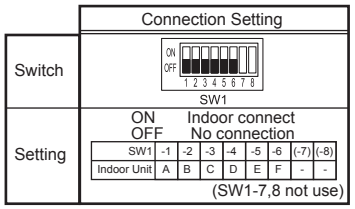
The setting should be done by rotary switches SW11 and SW12 on M-NET board. (Factory settings are all Zero)

Make sure to set M-NET address within the range of 01 to 50. When installing two or more outdoor units, do not use the same number more than once for M-NET address.



(2) Indoor unit connection switch setting

Set each indoor unit to ON or OFF with SW1.



♦M-NET address setting

Starting with the M-NET head address set with SW11 and SW12, the M-NET address is automatically allocated in numerical order to each indoor unit which is connected.

Descriptions

A-control Mr. SLIM models can be connected to "M-NET" through optional M-NET converter so that they can be monitored / controlled effectively and meticulously.

Applicable Models

[R32 type]

- PUZ-ZM60,71VHA
- PUZ-ZM100,125,140VKA
- PUZ-ZM100,125,140YKA
- PUZ-ZM200,250YKA
- PUZ-M100,125,140VKA
- PUZ-M100,125,140YKA
- PUZ-M200,250YKA
- PUHZ-ZRP60,71VHA2
- PUHZ-ZRP100,125,140VKA3
- PUHZ-ZRP100,125,140YKA3
- PUHZ-ZRP200,250YKA3

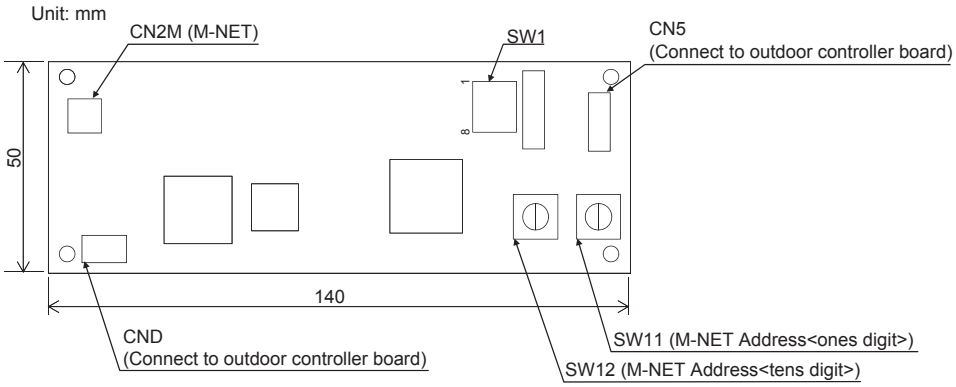
[R410A type]

- PUHZ-P100,125,140VKA
- PUHZ-P100,125,140YKA
- PUHZ-P200,250YKA3
- PUHZ-SHW112VHA
- PUHZ-SHW112,140YHA

Specifications

Power	Supplied from control board
Power consumption	0.6W (at 5V DC, 12V DC)
Operating conditions	Mounted inside the electrical utility box of outdoor unit. (Temperature: -20 to 60℃ , humidity: 90% or less (no condensation))
Weight	0.3kg

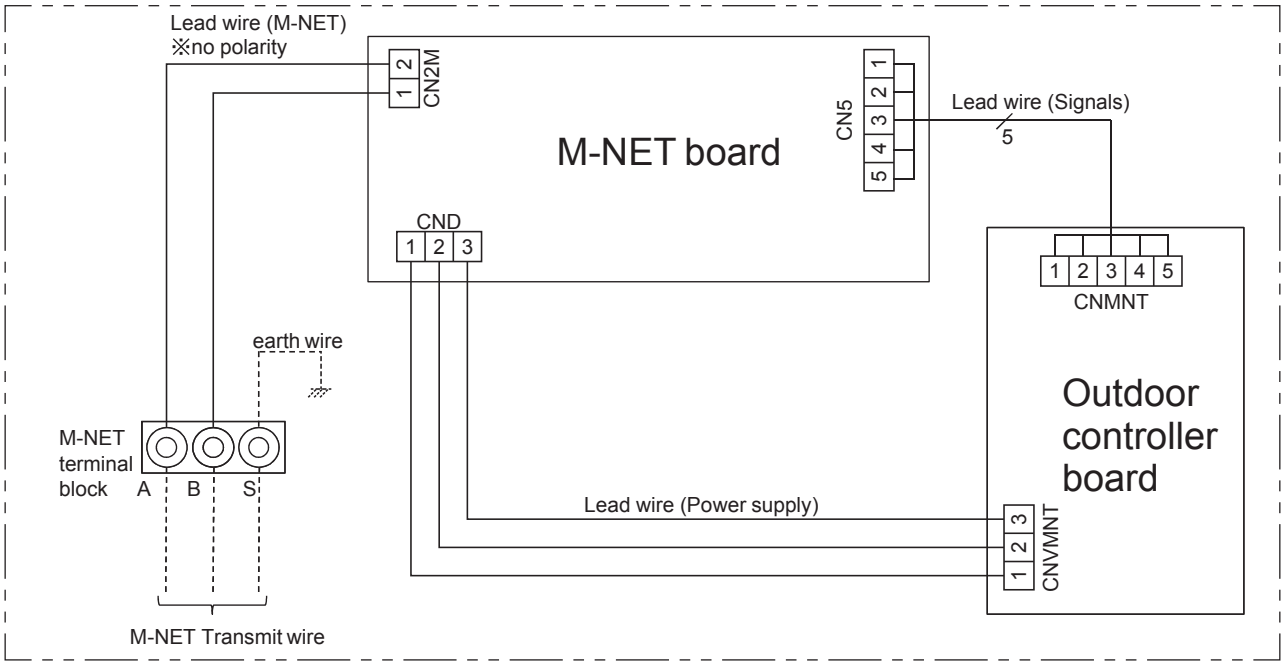
Dimensions



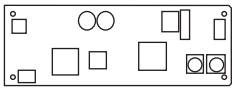
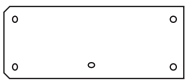
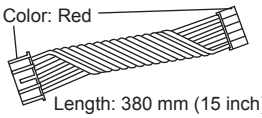
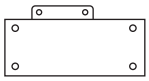
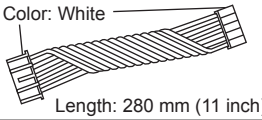
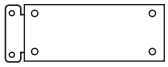
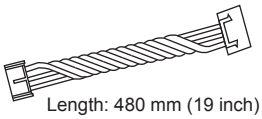
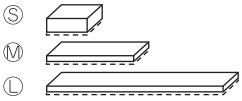
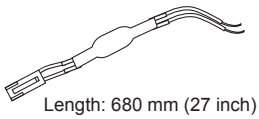
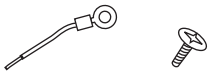
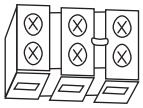
How to Use / How to Install

1. Wiring diagram

The electrical box of outdoor unit.



2. Parts List

No.	Description	Figure	Q'ty	No.	Description	Figure	Q'ty
①	M-NET board (with insulation sheets and supports)		1	⑨	Label		1
②	Plate1 (For mounting M-NET board)		1	⑩	Lead wire-A (5 wires)		1
③	Plate2 (For mounting M-NET board)		1	⑪	Lead wire-B (5 wires)		1
④	Plate3 (For mounting M-NET board)		1	⑫	Lead wire-C (3 wires)		1
⑤	Insulation sheets Ⓢ,Ⓜ,Ⓛ		Ⓢ 1 Ⓜ 1 Ⓛ 1	⑬	Lead wire-D (2 wires)		1
⑥	Terminal screw (M3×20)		2	⑭	Ground wire and screw (M4×8)		1 each
⑦	Terminal block (M-NET)		1	⑮	Fastener		2
⑧	Terminal screw (M3×20)		1				

3. Switch setting

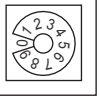
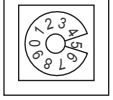
■ M-NET address setting

Make M-NET setting and refrigerant address setting on only outdoor unit.
There is no address settings for outdoor unit and remote controller like City Multi system.
The M-NET address setting for taking into centralized control system should be done only to the outdoor unit.
The address set number should be 1-50 same as for City Multi indoor unit and make set in order of number for the same group.

	A control slim	City Multi (M-NET)
Indoor unit	—	1 - 50
Outdoor unit	1 - 50	51 - 100
Remote controller	—	101 - 150
System controller	201 - 250	
Group remote controller	201 - 250	

The setting should be done by rotary switches SW11 (ones digit) and SW12 (tens digit) on M-NET board of the outdoor unit. (Factory settings are all zero.)

[Example]

M-NET address No.		1	2		50
Switch setting	SW11 (ones digit)				
	SW12 (tens digit)				

Descriptions

A-control Mr. SLIM models can be connected to "M-NET" through optional M-NET converter so that they can be monitored / controlled effectively and meticulously.

Applicable Models

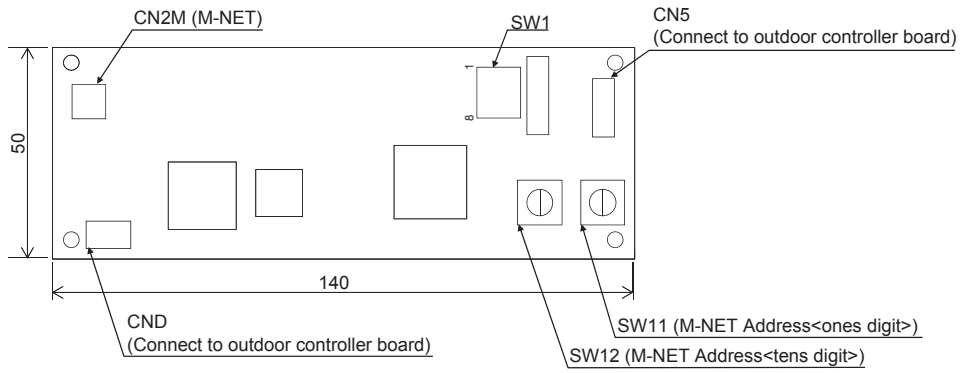
- PUZ-ZM35VKA
- PUZ-ZM50VKA
  [R32 type]
- PUHZ-ZRP35VKA2
- PUHZ-ZRP50VKA2
  [R410A type]

Specifications

Power	Supplied from control board
Power consumption	0.6W (at 5V DC, 12V DC)
Operating conditions	Mounted inside the electrical utility box of outdoor unit. (Temperature: -20 to 60℃ , humidity: 90% or less (no condensation))
Weight	0.3kg

Dimensions

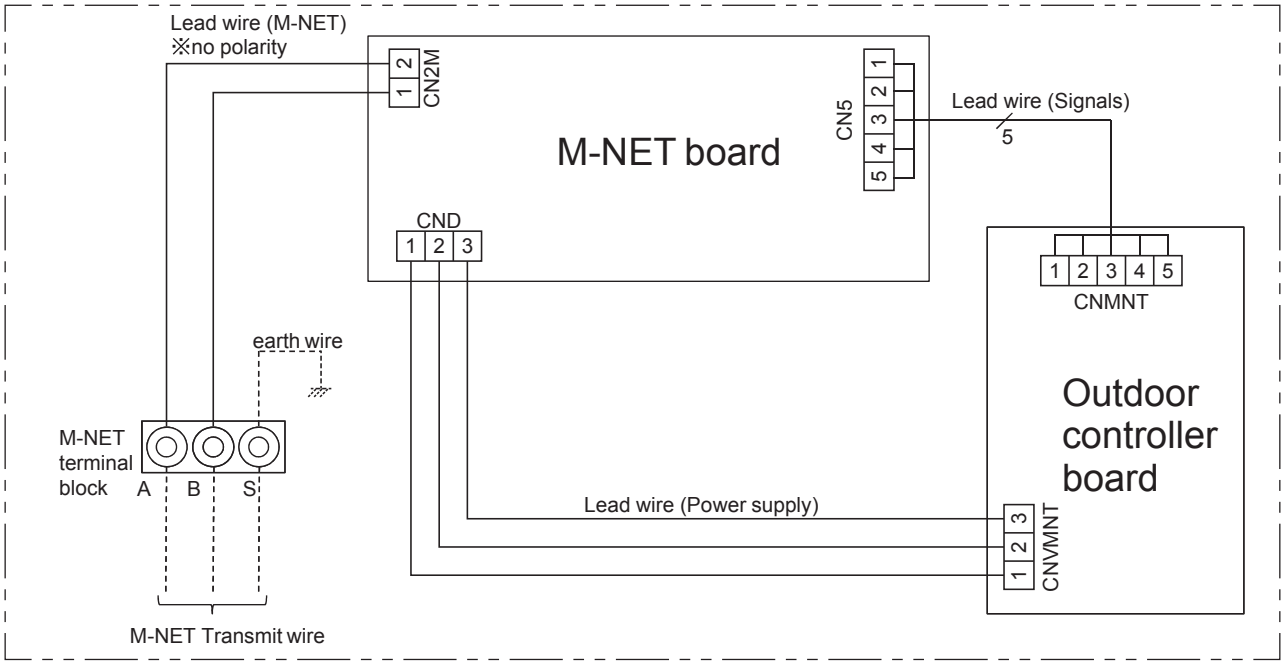
Unit: mm



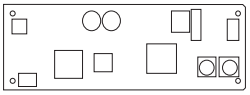
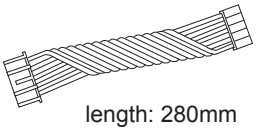
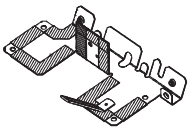
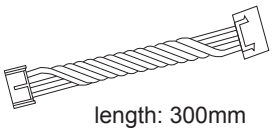
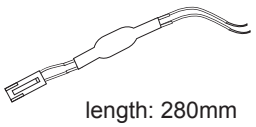
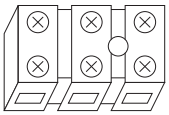
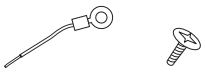
How to Use / How to Install

1. Wiring diagram

The electrical box of outdoor unit.



2. Parts List

No.	Description	Figure	Q'ty	No.	Description	Figure	Q'ty
①	M-NET board (with insulation sheets and supports)		1	⑦	Lead wire (5 wires)	 length: 280mm	1
②	Plate (For mounting M-NET board)		1	⑧	Lead wire (3 wires)	 length: 300mm	1
③	Screw (M4×8)		2	⑨	Lead wire (2 wires)	 length: 280mm	1
④	Terminal block (M-NET)		1	⑩	Ground wire and screw (M4×8)		1 each
⑤	Terminal screw (M3×20)		1	⑪	Fastener		2
⑥	Label		1				

3. Switch setting

■ M-NET address setting

Make M-NET setting and refrigerant address setting on only outdoor unit.
There is no address settings for outdoor unit and remote controller like City Multi system.
The M-NET address setting for taking into centralized control system should be done only to the outdoor unit.
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	A control slim	City Multi (M-NET)
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Remote controller	—	101 - 150
System controller	201 - 250	
Group remote controller	201 - 250	

The setting should be done by rotary switches SW11 (ones digit) and SW12 (tens digit) on M-NET board of the outdoor unit. (Factory settings are all zero.)

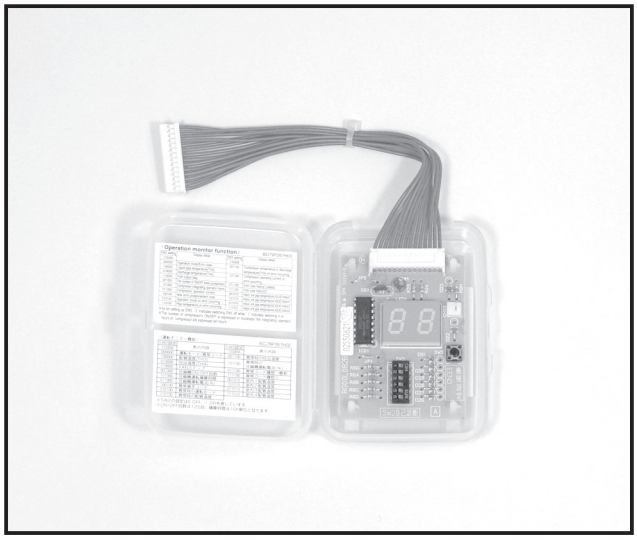
[Example]

M-NET address No.		1	2		50
Switch setting	SW11 (ones digit)				
	SW12 (tens digit)				

Control / Service Tool

PAC-SK52ST

Photo



Descriptions

This item is used to display operation and self-diagnosis state.

Applicable Models

- PUZ-ZM Series
- PUZ-M Series [R32 type]
- PUHZ-ZRP Series
- PUHZ-P Series
- PUHZ-SHW Series [R410A type]

Specifications

Power	5V DC (supplied from outdoor unit control board)
Temperature	-20 to 60℃, Humidity: 90% RH or less (no condensation)
External dimensions	69 (W) x 91 (H) x 27 (D) (mm), excluding lead wires
Weight	0.05kg

How to Use / How to Install

- Notes on Use
  - Before installing / removing a control / service tool, make sure that the main power to this unit is turned OFF.
  - The connector for control / service tool has a lock. Connection / removal of the connector must be dine with the locking lever pressed.

- How to Use
  1. Connect the control / service tool connector to the [CNM] connector on the outdoor unit control board.
  2. Operating the control / service tool's DIP switch "SW2" causes "LED1" to display the operation state and inspection code description using 2-digit value and symbols. "SW2" setting varies with the unit to be connected. For details of the display content, refer to the appropriate service handbook.
  3. After the control / service tool has been used, remove it from the outdoor unit control board.

Photo

Descriptions

With Step Interface, local units can be connected with P series heat pump outdoor units.

Applicable Models

- PUHZ-ZRP Series
- PUHZ-P200, 250YKA3
- PUHZ-SHW Series

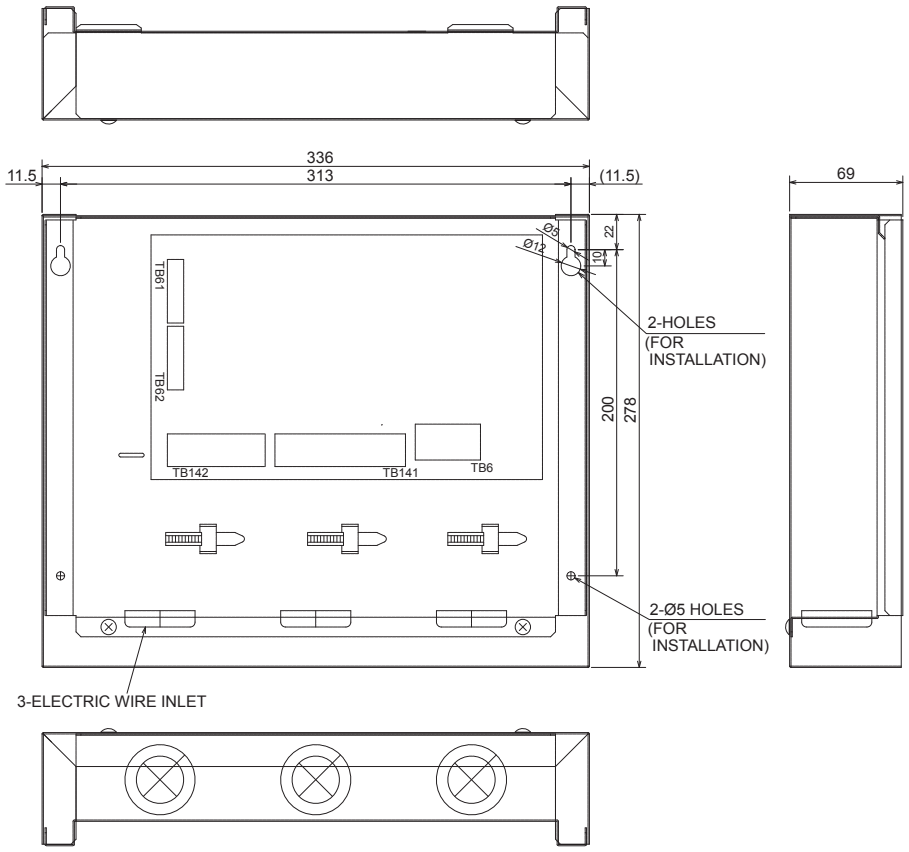
Specifications

Model	PAC-IF012B-E
Type	Cased
Power supply	220-240V AC, 50Hz
Thermistor	Target temp. (TH1) Pipe temp./Liquid (TH2) Pipe temp./Cond./eva (TH5)

Dimensions

Unit: mm

[PAC-IF012B-E]



How to Use / How to Install

[PAC-IF012B-E]

2. Installing the interface unit

IF012

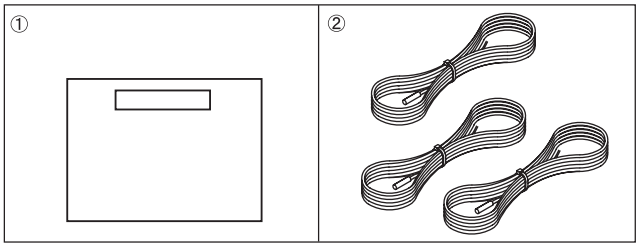


Fig. 2-1

2.1. Check the parts (Fig. 2-1)

The interface unit should be supplied with the following parts.

	Part Name	IF012
①	Interface unit	1
②	Thermistor	3

2.2. Choosing the interface unit installation location

- Do not install the interface unit in outdoor location as it is designed for indoor installation only. (The interface board and casing are not waterproof.)
- Avoid locations where the unit is exposed to direct sunlight or other sources of heat.
- Select a location where easy wiring access to the power source is available.
- Avoid locations where combustible gases may leak, be produced, flow, or accumulate.
- Select a level location that can bear the weight and vibration of the unit.
- Avoid locations where the unit is exposed to oil, steam, or sulfuric gas.

2.3. Installing the interface unit (Fig. 2-2, Photo.2-1)

1. Remove 2 screws from interface unit and remove the cover.
2. Install the 4 screws (locally supplied) in 4 holes.
   Ⓐ Screw Ⓑ Cover
   Ⓒ Hole for installation

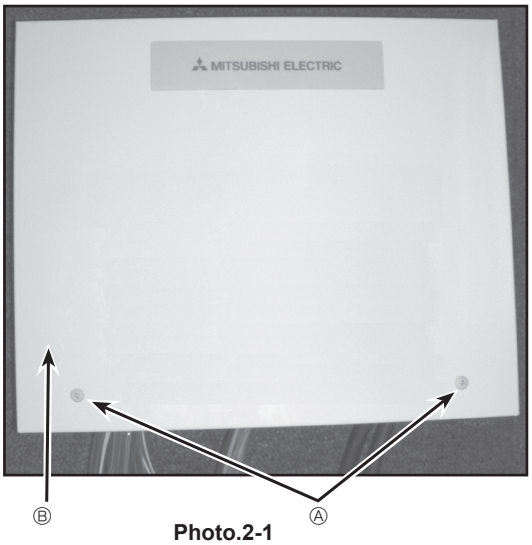


Photo.2-1

Unit:mm

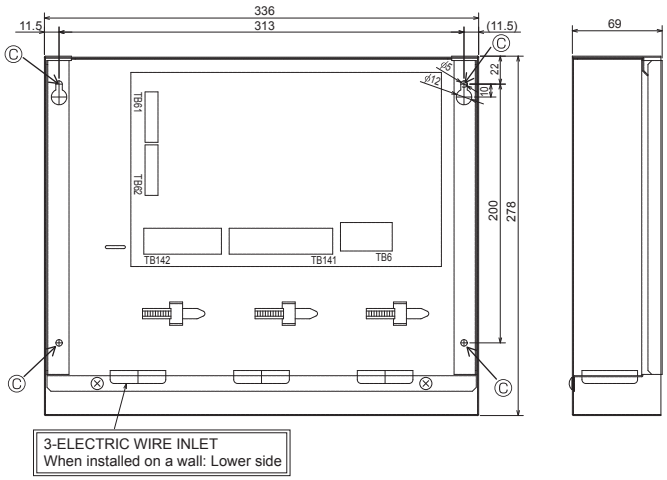


Fig.2-2

3. Electrical work

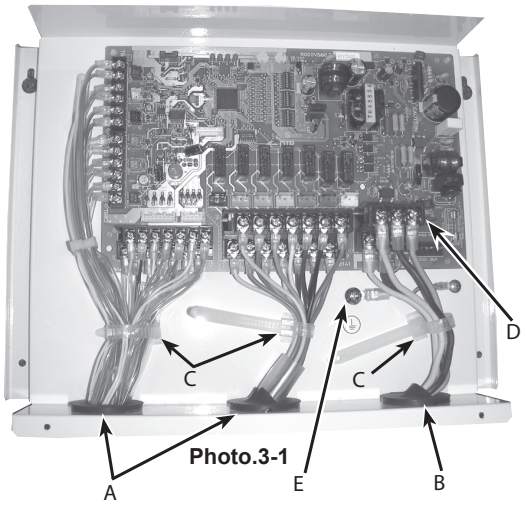


Photo.3-1

3.1. Interface unit (Photo. 3-1)

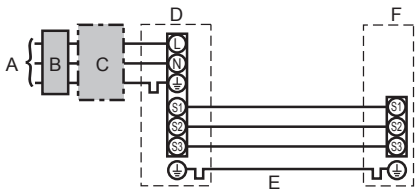
1. Remove the cover.
2. Wire the power cable and control cable separately through the respective wiring inlets given in the photo.

• Do not allow slackening of the terminal screws.

A Inlet for control cable
B Inlet for power
C Clamp
D Interface / Outdoor unit connecting terminals
E Earth terminal

3.1.1. Interface unit power supplied from outdoor unit

The following connection patterns are available.
The outdoor unit power supply patterns vary on models.



A Outdoor unit power supply
B Earth leakage breaker
C Wiring circuit breaker or isolating switch
D Outdoor unit
E Interface unit/outdoor unit connecting cables
F Interface unit

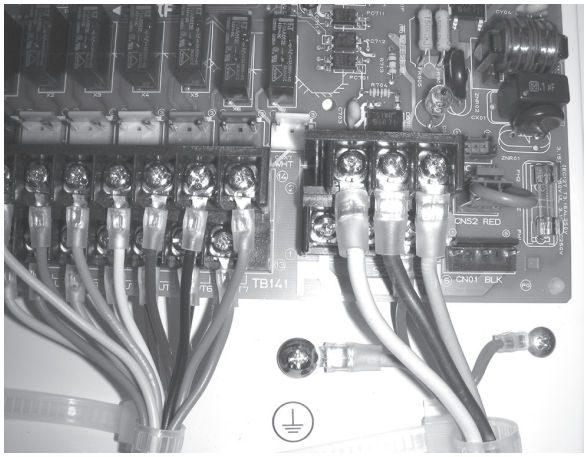


Photo.3-2

Interface unit model			PAC-IF012B-E
Wiring Wire No. × size (mm²)	Interface unit-Outdoor unit	*1	3 × 1.5 (polar)
	Interface unit-Outdoor unit earth	*2	1 × Min. 1.5
Circuit rating	Interface unit-Outdoor unit S1-S2	*2	AC 230 V
	Interface unit-Outdoor unit S2-S3	*3	DC24 V

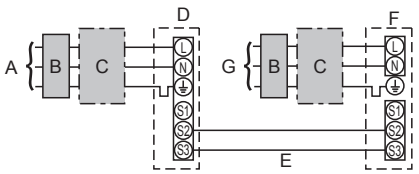
*1. Max. 80 m
*2. The figures are NOT always against the ground.
S3 terminal has DC 24 V against S2 terminal. However between S3 and S1, these terminals are not electrically insulated by the transformer or other device.

Notes: 1. Wiring size must comply with the applicable local and national code.
2. Power supply cables and interface unit/outdoor unit connecting cables shall not be lighter than polychloroprene sheathed flexible cable. (Design 60245 IEC 57)
3. Install an earth longer than other cables.

3. Electrical work

3.1.2. Separate interface unit/outdoor unit power supplies

The following connection patterns are available.
The outdoor unit power supply patterns vary on models.



A Outdoor unit power supply
B Earth leakage breaker
C Wiring circuit breaker or isolating switch
D Outdoor unit
E Interface unit/outdoor unit connecting cables
F Interface unit
G Interface unit power supply

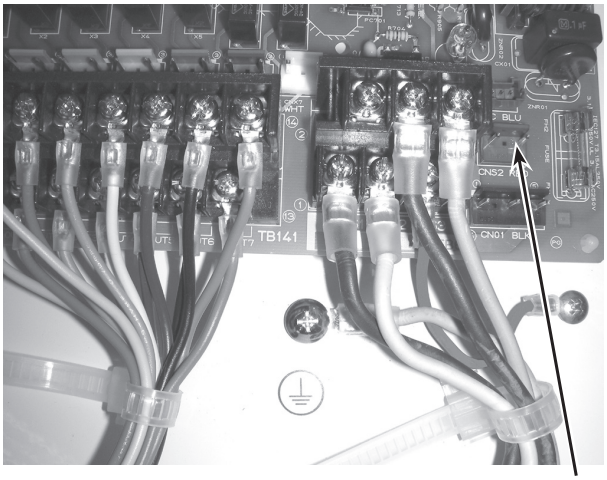


Photo.3-3

If the interface and outdoor units have separate power supplies, refer to the table below.

	Separate power supply specifications
Interface unit controller connector (CNS2) connection change	Disconnected
Outdoor unit DIP switch settings (when using separate interface unit/outdoor unit power supplies only)	ON 3 / OFF 1 2 (SW8) Set the SW8-3 to ON.

Interface unit model			PAC-IF012B-E
Interface unit power supply			~/N (Single Phase), 50 Hz, 230 V
Interface unit input capacity Main switch (Breaker)		*1	16 A
Wiring Wire No. × size (mm²)	Interface unit power supply		2 × Min. 1.5
	Interface unit power supply earth		1 × Min. 1.5
	Interface unit-Outdoor unit	*2	2 × Min. 0.3
	Interface unit-Outdoor unit earth		—
Circuit rating	Interface unit L-N	*3	230 VAC
	Interface unit-Outdoor unit S1-S2	*3	—
	Interface unit-Outdoor unit S2-S3	*3	24 VDC

*1. A breaker with at least 3.0mm contact separation in each pole shall be provided. Use earth leakage breaker (NV).
*2. Max. 120 m
*3. The figures are NOT always against the ground.

Notes: 1. Wiring size must comply with the applicable local and national code.
2. Power supply cables and interface unit/outdoor unit connecting cables shall not be lighter than polychloroprene sheathed flexible cable. (Design 60245 IEC 57)
3. Install an earth longer than other cables.

3.1.3. Connecting thermistor cable

Connect the thermistor ② for the interface controller.

1. Target temp. thermistor (TH1)
   Connect the thermistor for the target temp. to 1 and 2 on the terminal block (TB61) on the interface controller.
2. Pipe temp. thermistor / Liquid (TH2)
   Connect the thermistor for the pipe temp. to 3 and 4 on the terminal block (TB61) on the interface controller.
3. Cond./eva. temp. thermistor (TH5)
   Connect the thermistor for the cond./eva. temp. to 5 and 6 on the terminal block (TB61) on the interface controller.

When the thermistor cables are too long, cut it to the appropriate length.
Do not bind it in the interface unit.

Caution:
Do not route the thermistor cables together with power cables.
The sensor part of the thermistor should be installed where user must not touch.
(It is separated by the supplementary insulation from where user may touch.)

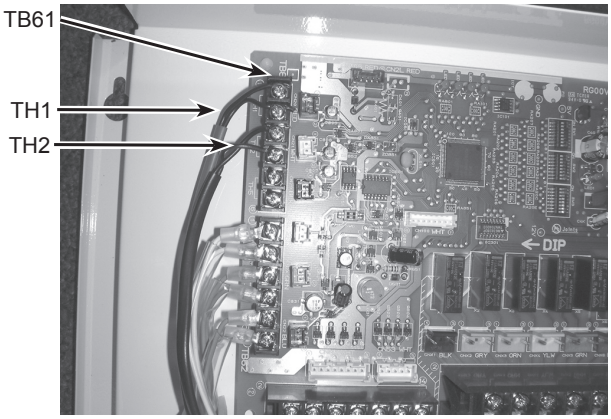


Photo.3-4

3. Electrical work

3.1.4. Connecting external input

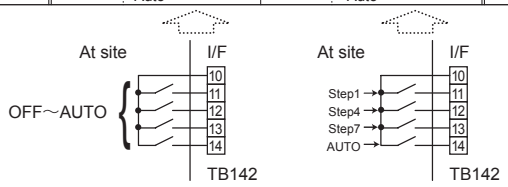
Demand control is available by external input.
It is possible to set the outdoor unit's power consumption by setting the switch of the interface controller.

Switch1, Switch 6 : Input selection of inverter capacity setting

Input	SW 1-1	SW 1-2	SW 1-3	SW 6-1	SW 6-2	Step for capacity setting
REMOTE SWITCH Type A (4bit-8 setting)	OFF	OFF	OFF	OFF	OFF	OFF/Step1/Step2/…/Step7/Auto
REMOTE SWITCH Type B (1bit-1 setting)	ON	OFF	OFF	OFF	OFF	OFF/Step1/Step4/Step7/Auto
4-20mA	ON	ON	OFF	ON	ON	OFF/Step1/Step2/…/Step7
1-5V	ON	ON	OFF	OFF	ON	OFF/Step1/Step2/…/Step7
0-10V	OFF	OFF	ON	OFF	OFF	OFF/Step1/Step2/…/Step7
0-10kΩ	ON	OFF	ON	OFF	OFF	OFF/Step1/Step2/…/Step7/Auto
No input (AUTO mode)	OFF	ON	ON	OFF	OFF	Only Auto mode

- **REMOTE SWITCH Type A (4bit - 8 setting) / Type B (1bit -1 setting)**

TB142 10-11 (COM-IN5)	TB142 10-12 (COM-IN6)	TB142 10-13 (COM-IN7)	TB142 10-14 (COM-IN8)	Step for capacity setting TypeA			TypeB			Remark
OFF	OFF	OFF	OFF	[OFF]	OFF	0%	[OFF]	OFF	0%	OFF
ON	OFF	OFF	OFF	[ON]	Step1	10%	[ON]	Step1	10%	
OFF	ON	OFF	OFF		Step2	20%		Step4	50%	
ON	ON	OFF	OFF		Step3	30%		↑	↑	Hz fixed mode
OFF	OFF	ON	OFF		Step4	50%		Step7	100%	
ON	OFF	ON	OFF		Step5	70%		↑	↑	
OFF	ON	ON	OFF		Step6	80%		↑	↑	
ON	ON	ON	OFF		Step7	100%		↑	↑	
OFF	OFF	OFF	ON		Auto			Auto		Auto mode



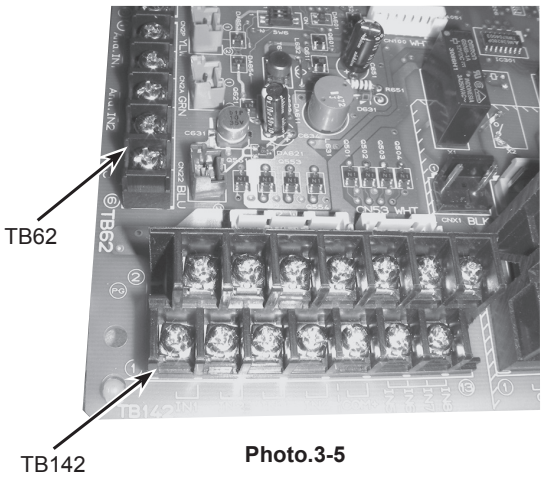


Photo.3-5

Demand control is available by connecting remote switches with terminal No.10 - 14.
Make sure to use the non-voltage switch (for the remote switch)
Remote switch cable length : Maximum 10m
Remote switch : Minimum applicable load DC12V, 1mA

- 4-20mA / 1-5V / 0-10V / 0-10kΩ
  ①Use 4-20mA / 1-5V / 0-10V
  Connect the transmission cables to No. 3 and 4 on the terminal block (TB62).
  No. 3 on the terminal block(TB62) : Plus side
  No. 4 on the terminal block(TB62) : Minus side (Reference side)
  ②Use adjustable resistor (0-10kΩ)
  Connect the transmission cables to No. 1 and 2 on the terminal block (TB62).

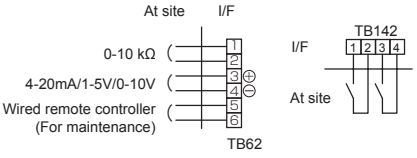
Adjustable resistor (0-10kΩ)	4-20mA	1-5V	0-10V	Step for capacity setting		Remark
0~100Ω	4~5mA	0~1.25V	0~0.63V	OFF	0%	Stop
510Ω	7mA	1.75V	1.88V	Step1	10%	Hz fixed mode
1kΩ	9mA	2.25V	3.13V	Step2	20%	
2kΩ	11mA	2.75V	4.38V	Step3	30%	
3.3kΩ	13mA	3.25V	5.63V	Step4	50%	
4.3kΩ	15mA	3.75V	6.88V	Step5	70%	
5.6kΩ	17mA	4.25V	8.13V	Step6	80%	
7.5kΩ	19~20mA	4.75~5V	9.38~10V	Step7	100%	
10kΩ	–	–	–	Auto		Auto mode
OPEN(12kΩ~)	–	–	–	OFF	0%	Stop

*The value of the above-mentioned table becomes the center of the input value.
Cable length : Maximum 10m

- **External function setting**
  This function is setting operation mode or stopping compressor, by the external signal.

TB142	Item	OFF	ON	Remark
1-2 (IN1)	Forced Comp. OFF	Normal	Forced Comp. OFF	
3-4 (IN2)Item	Fixed operation mode	Cooling	Heating	Available when SW2-1 and SW2-2 are ON

Cable length : Maximum 10m
Remote switch : Minimum applicableload DC12V, 1mA



Caution:
The external input signals are separated by basic insulation from power supply for the unit.
The external input signals should be separated by supplementary insulation from where user may touch in case that it is installed where user may touch.
Connect the terminals by using the ring terminals and also insulate the cables of adjoining terminals when wiring to terminal block.

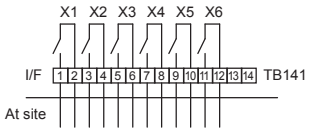
3. Electrical work

3.1.5. Connecting External Output

The signal in the following states can be output.

TB141		Item	OFF	ON
1-2	(OUT1) X1	Operation Output	OFF	ON
3-4	(OUT2) X2	Error Output	Normal	Error
5-6	(OUT3) X3	Comp. Output	OFF(Comp. OFF)	ON (Comp. ON)
7-8	(OUT4) X4	Defrost Output	OFF	ON (Defrosting)
9-10	(OUT5) X5	Mode(Cool) Output	OFF	ON (Cooling)
11-12	(OUT6) X6	Mode(Heat) Output	OFF	ON (Heating)
13-14	(OUT7) –	–	–	–

Cable length : Maximum 50m
Output specification : Non-voltage switch 1A or less , 240V AC
*Connect the surge absorber according to the load at site.



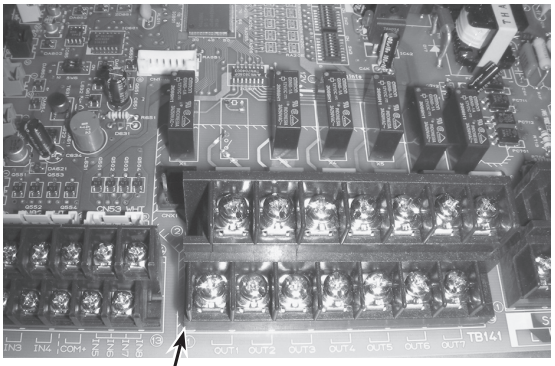


Photo.3-6

Note : External output signals are separated by basic insulation from other circuit of interface.

Caution : When 2 or more external outputs are used, the power supply on the output side should be the same.

3.1.6. Wiring specification External output / External input
Locally supplied parts

Item	Name	Model and specifications
External output function	External output signal wire	Use sheathed vinyl coated cord or cable. Wire type : CV, CVS or equivalent. Wire size : Stranded wire 0.5mm^2 to 1.25mm^2 Solid wire: ø0.65mm to ø1.2mm
	Display lamp, etc.	Non-voltage Contact AC220-240V (DC30V), 1A or less
External input function	External input signal wire	Use sheathed vinyl coated cord or cable. Wire type : CV, CVS or equivalent. Wire size : Stranded wire 0.5mm^2 to 1.25mm^2 Solid wire : ø0.65mm to ø1.2mm
	Switch	Non-voltage "a" contact

3.1.7. Switch setting

It is possible to set the following function by setting the switch of the interface controller.

• SW2-1/2-2 : Fixed operation mode

SW2-1	SW2-2	Details
OFF	OFF	Not FIX (Depending on Remote controller setting)
ON	OFF	[Cooling] FIX
OFF	ON	[Heating] FIX
ON	ON	External input (Depending on TB142-3, 4)

• SW2-3/2-4/2-5 : Fixed set temperature [For Auto mode only]

SW2-3	SW2-4	SW2-5	Details
OFF	OFF	OFF	Not fixed (Remote controller setting)
ON	OFF	OFF	Cooling 19°C/Heating 17°C FIX
OFF	ON	OFF	20°C FIX
ON	ON	OFF	22°C FIX
OFF	OFF	ON	24°C FIX
ON	OFF	ON	26°C FIX
OFF	ON	ON	28°C FIX
ON	ON	ON	Cooling 30°C/Heating 28°C FIX

Set switches in case of auto mode.

• SW2-6 : COND./EVA. TEMP. THERMISTOR (TH5)

SW2-6	Details	Model
OFF	Effect	PAC-IF012B-E

3.1.8.Before test run

After completing installation and the wiring and piping of the local application and outdoor units, check for refrigerant leakage, looseness in the power supply or control wiring, wrong polarity, and no disconnection of one phase in the supply.
Use a 500-volt megohmmeter to check that the resistance between the power supply terminals and ground is at least 1.0MΩ.

Warning:
Do not use the system if the insulation resistance is less than 1.0MΩ.

Caution:
Do not carry out this test on the control wiring (low voltage circuit) terminals.

Local Application Factors

* This interface is to connect Mr. Slim inverter outdoor unit of MITSUBISHI ELECTRIC to local applications. Please check the following when designing the local system.
* MITSUBISHI ELECTRIC does not take any responsibility on the local system design.

1. Heat exchanger

(1) Withstanding pressure

Designed pressure of outdoor unit is 4.15 MPa. Following must be satisfied for burst pressure of connecting application.
Burst pressure : More than 12.45 MPa (3 times more than designed pressure)

(2) Performance

Secure the heat exchanger capacity which meets the following conditions. If the conditions are not met, it may result in malfunction caused by the protection operation or the outdoor unit may be turned off due to the operation of protection system.

1. Evaporate temperature is more than 4℃ in max. frequency operation under ※1the cooling rated conditions.
2. Condense temperature is less than 60℃ in max. frequency operation under ※2the heating rated conditions.
3. In case of hot water supply, condense temperature is less than 58℃ in max. frequency operation with the outside temperature 7℃D.B./6℃W.B.

※1. Indoor: 27℃D.B./19℃W.B. Outdoor: 35℃D.B./24℃W.B.
※2. Indoor: 20℃D.B. Outdoor: 7℃D.B./6℃W.B.

(3) Heat exchanger internal capacity

Heat exchanger internal capacity must be within the capacity range shown below. If the heat exchanger below the minimum capacity is connected, it may result in the back flow of liquid or the failure of the compressor.
If the heat exchanger above the maximum capacity is connected, it may result in the deficiency in performance due to lack of refrigerant or overheating of the compressor.
Minimum capacity : 10 × Model capacity [㎤] / Maximum capacity : 30 × Model capacity [㎤]
e.g. When connecting to PUHZ-RP*100* VHA2
Minimum capacity : 10 × *100* =1000 ㎤
Maximum capacity : 30 × *100* =3000 ㎤

Model capacity	35	50	60	71	100	125	140	200	250
Maximum capacity [㎤]	1050	1500	1800	2130	3000	3750	4200	6000	7500
Minimum capacity [㎤]	350	500	600	710	1000	1250	1400	2000	2500

(4) Contamination maintenance

1. Wash the inside of heat exchanger to keep it clean. Be sure to rince not to leave flux. Do not use chlorine detergent when washing.
2. Be sure that the amount of contamination per unit cubic content of heat transfer pipe is less than the following amount.
Example) In case of ϕ9.52mm
Residual water : 0.6㎎/m, Residual oil : 0.5㎎/m, Solid foreign object : 1.8㎎/m

2. Thermistor position

<Target temp.thermistor (TH1)> (Used only in *auto mode (Only for Air to Air applications))

1. Put thermistor (TH1) where average intake temperature for heat exchanger can be detected.
2. It is better to put thermistor (TH1) where radiant heat from heat exchanger can be avoided.
To use this interface for manual step control, put a fixed resistor of 4~10kΩ instead of thermistor (TH1 on the terminal block TB61).
* Auto mode: In this mode, the capacity step of the outdoor unit is controlled automatically to let the target (intake) temperature reach the setting temperature. (Only for air to air application)

<Liquid pipe thermistor(TH2)>

1. Put thermistor (TH2) where liquid refrigerant pipe temperature can be detected.
2. It is better to protect the thermistor (TH2) with heat insulating materials not to be affected by the ambient temperature, etc.
3. In case that the refrigerant is distributed by distributor, put thermistor (TH2) before the distributor.

<Cond./Eva. temp. thermistor (TH5)>

1. Put thermistor (TH5) where Cond./Eva. temperature can be detected on the indoor HEX pipe.

Photo

Descriptions

With Step Interface, local units can be connected with P series heat pump outdoor units.

Applicable Models

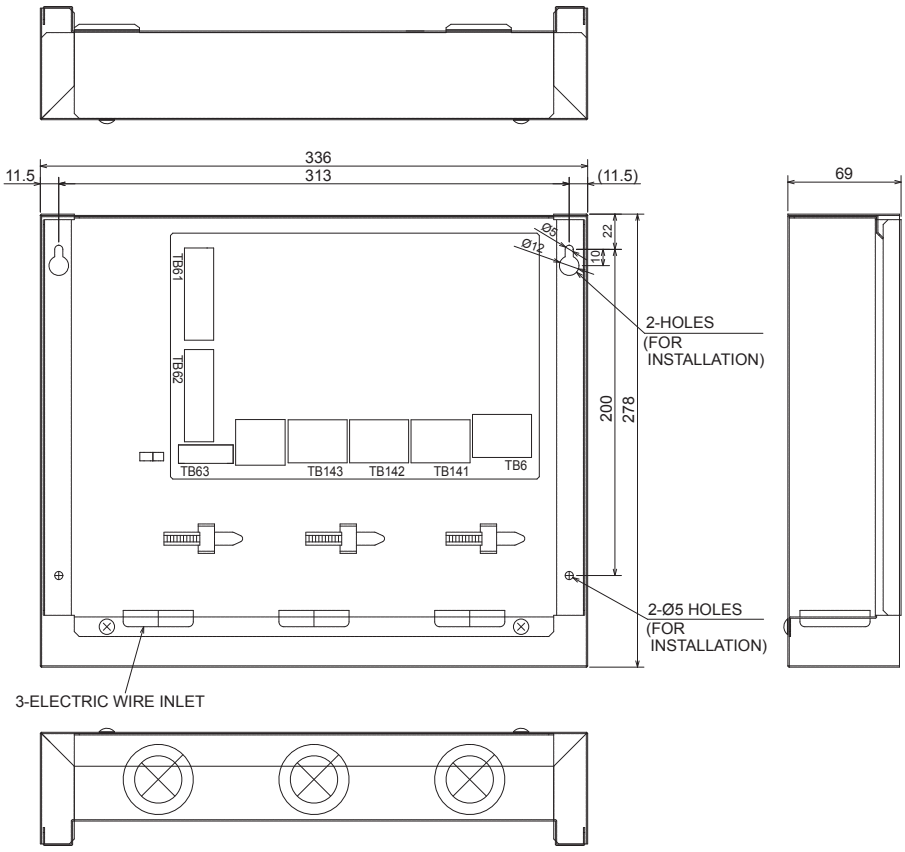
- PUZ-ZM Series
- PUZ-M200,250YKA
- PUHZ-ZRP Series
- PUHZ-P200, 250YKA3
- PUHZ-SHW Series

Specifications

	PAC-IF013B-E	PAC-SIF013B-E
Weight	2.5 kg + ACCESSORIES 0.8 kg	2.5 kg + ACCESSORIES 0.4 kg
Allowable ambient temperature	0 to 35°C	0 to 35°C
Allowable ambient humidity	80% RH or less	80% RH or less

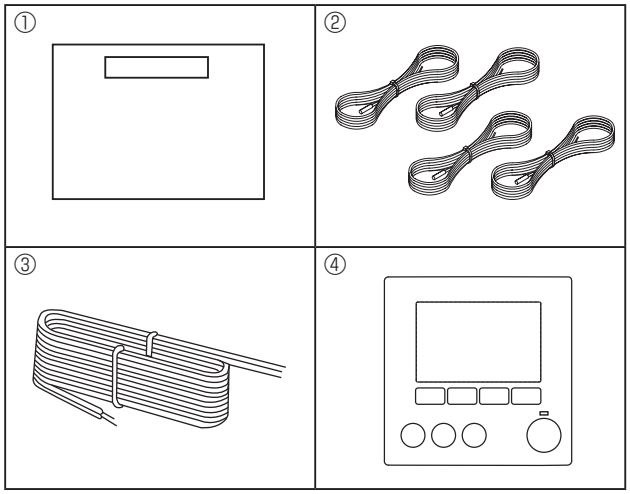
Dimensions

Unit: mm



How to Use / How to Install

2. Installing the interface unit



<Fig. 2.1.1>

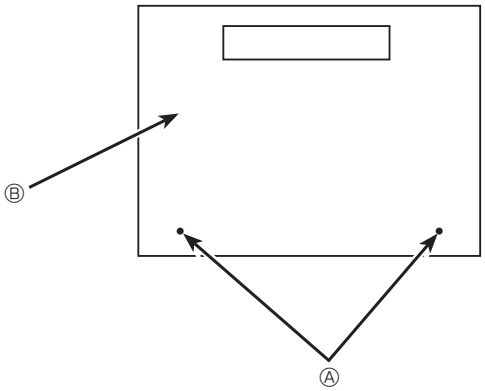
2.1. Check the parts (Fig. 2.1.1)

The interface unit should be supplied with the following parts.

	Part Name	PAC-IF013B-E	PAC-SIF013B-E
①	Interface unit	1	1
②	Thermistor	4	4
③	Remote controller cable (5m)	1	—
④	Remote controller	1	—

2.2. Choosing the interface unit installation location

- Do not install the interface unit in outdoor location as it is designed for indoor installation only. (The interface board and casing are not waterproof.)
- Avoid locations where the unit is exposed to direct sunlight or other sources of heat.
- Select a location where easy wiring access to the power source is available.
- Avoid locations where combustible gases may leak, be produced, flow, or accumulate.
- Select a level location that can bear the weight and vibration of the unit.
- Avoid locations where the unit is exposed to oil, steam, or sulfuric gas.
- Do not install in location that is hot or humid for long period of time.



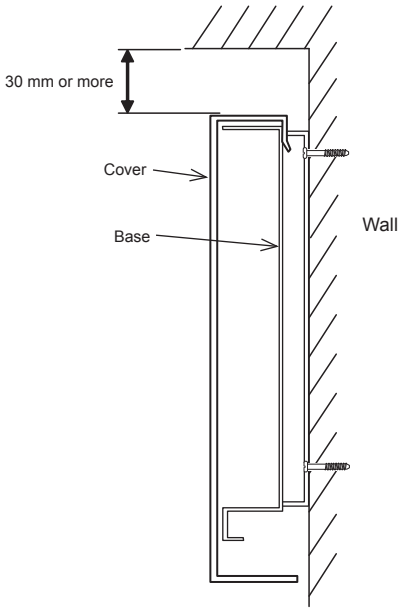
<Fig. 2.3.1>

2.3. Installing the interface unit (Fig. 2.3.1, 2.3.2, 2.3.3)

1. Remove 2 screws Ⓐ from interface unit and remove the cover by sliding it upward (see Fig. 2.3.1).
2. Install the 4 screws (locally supplied) in 4 holes (Ⓒ hole).
   * To prevent the unit from falling off the wall, select the appropriate screws (locally supplied) and secure the base horizontally to the appropriate wall location. (See Fig. 2.3.2)

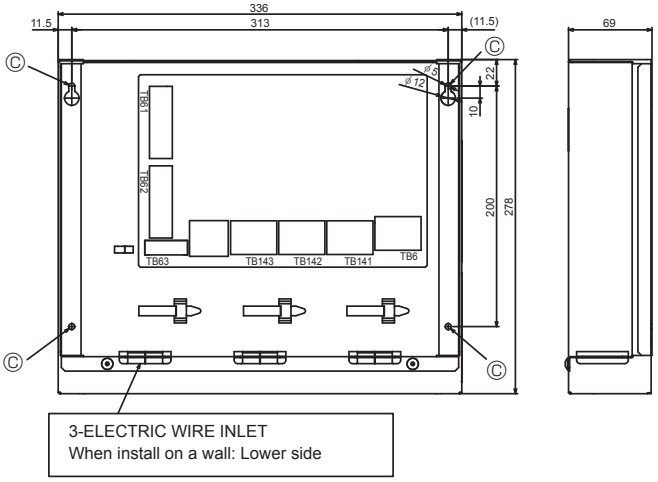
Ⓐ Screw Ⓑ Cover Ⓒ Hole for installation

	PAC-IF013B-E	PAC-SIF013B-E
Weight	2.5 kg + ACCESSORIES 0.8 kg	2.5 kg + ACCESSORIES 0.4 kg
Allowable ambient temperature	0 to 35°C	0 to 35°C
Allowable ambient humidity	80% RH or less	80% RH or less



<Fig. 2.3.2>
Service space

Unit: mm



<Fig. 2.3.3>

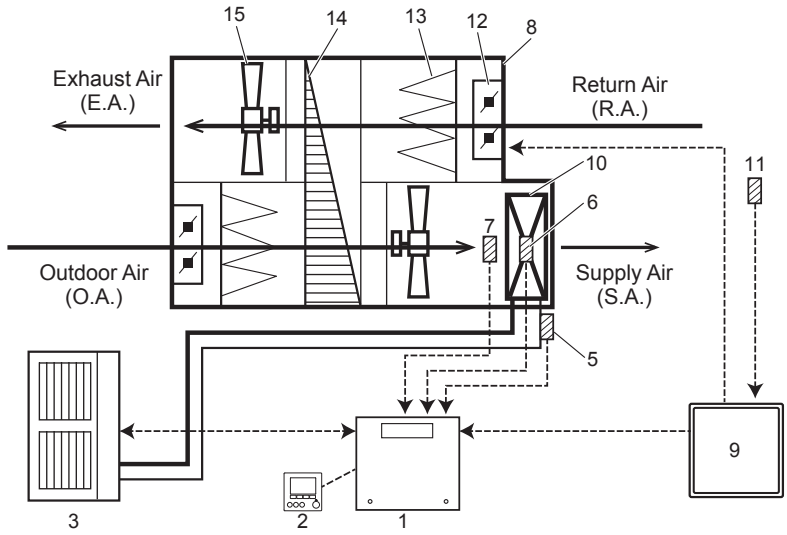
3. System

Step mode (Input)	Target temperature	Number of outdoor unit	Intelligent multiple outdoor unit control	System
Manual	–	1	N/A	See (1-1) below.
		2-6	Apply	See (2-1) below.
			Not apply	See (1-1) below.*1
Auto	Supply air temp. control	1-5	N/A	See (1-2) below.
	Return air temp. control	1-5	N/A	See (1-3) below.

*1. It is recommended to select Intelligent multiple outdoor unit control.
Design local AHU controller to make sure the following points.
• Minimum capacity request should be 20% or more of total capacity.
• Operate all outdoor units when outdoor temperature is below -15 °C.

3.1. System configuration (Single outdoor unit)

(1-1) Manual step mode *1



<Fig. 3.1.1>

*1. Manual step mode:
• Variable capacity request signals for heat pump need to be calculated by AHU local controller.
• AHU local controller can send "Capacity steps" by non-voltage contact signals or analog signals to the interface unit.
• Operation mode can be set by remote controller, external input or DIP switch.

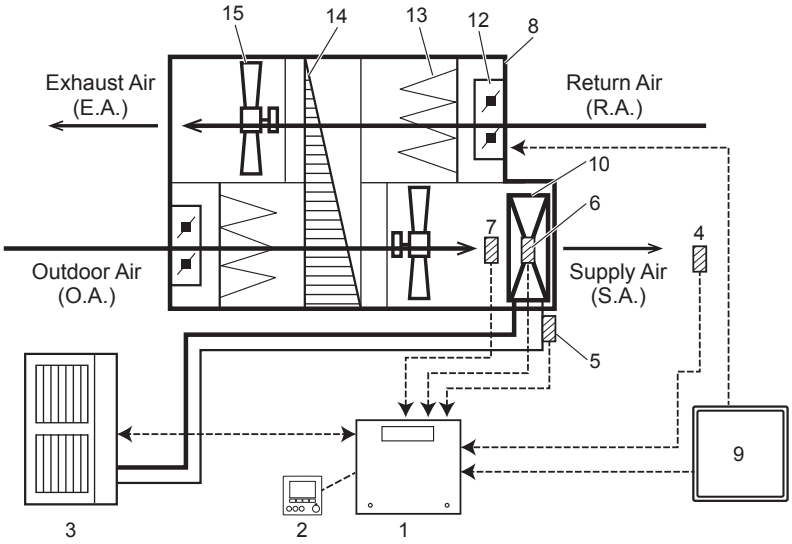
Note
• Do NOT select STEP 0 for 3 minutes after compressor is ON. (Keep compressor ON for 3 minutes at least.)
• When changing STEP, make it less than 5 steps in a single request, and keep at least 5 minutes interval between the changes.
• Keep operation range shown at the following section 3.3.
• Do NOT send STEP 0 during defrost operation.
• Do NOT change operation mode frequently.

No.	Part name	System (1-1)
1	Interface unit	✔
2	Remote controller	✔
3	Outdoor unit	✔
4	Target air temp. thermistor (TH1)	— *2
5	Ref. liquid temp. thermistor (TH2)	✔
6	2-Phase temp. thermistor (TH5)	✔ *3
7	HEX inlet (Coil on) temp. thermistor (TH11)	✔
8	Air-Handling Unit (AHU) (Local supply)	✔
9	AHU local controller (Local supply)	✔
10	Heat exchanger of AHU (Local supply)	✔
11	Target air temp. thermistor (Local supply)	✔
12	Louver (Local supply)	✔
13	Air filter (Local supply)	✔
14	Heat recovery (Local supply)	✔
15	Fan (Local supply)	✔

*2. Set the DIP SW 2-8 to ON.
*3. If outdoor unit is SHW series, It's not needed to install this thermistor, and set the DIP SW 1-5 to ON.

3. System

(1-2) Auto step mode *4 & Supply air temp. control



<Fig. 3.1.2>

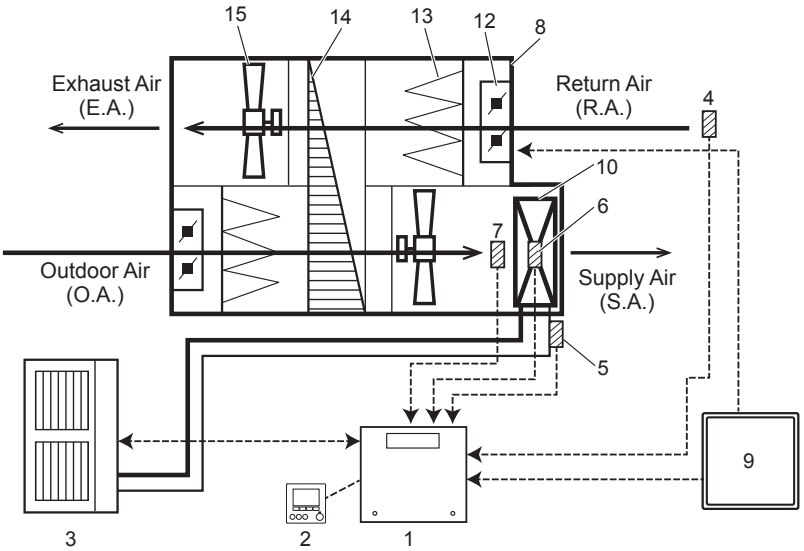
*4. Auto step mode:
- In this mode, the capacity step of the outdoor unit is controlled automatically to let the target temperature reach the set temperature.

Note
- Auto change over function between cooling and heating mode is NOT available in this system.
- Keep operation range shown at the following section 3.3.
- Standard setting of DIP SW3-4 and SW3-5 is 3°C (SW3-4 : ON , SW3-5 : OFF). (Refer to “4.1.7 Switch setting”.)

No.	Part name	System (1-2)
1	Interface unit	✔
2	Remote controller	✔
3	Outdoor unit	✔
4	Target air temp. thermistor (TH1)	✔
5	Ref. liquid temp. thermistor (TH2)	✔
6	2-Phase temp. thermistor (TH5)	✔ *5
7	HEX inlet (Coil on) temp. thermistor (TH11)	✔
8	Air-Handling Unit (AHU) (Local supply)	✔
9	AHU local controller (Local supply)	✔
10	Heat exchanger of AHU (Local supply)	✔
11	Target air temp. thermistor (Local supply)	–
12	Louver (Local supply)	✔
13	Air filter (Local supply)	✔
14	Heat recovery (Local supply)	✔
15	Fan (Local supply)	✔

*5. If outdoor unit is SHW series, It’s not needed to install this thermistor, and set the DIP SW 1-5 to ON.

(1-3) Auto step mode *6 & Return/ Room air temp. control *7



<Fig. 3.1.3>

*6. Auto step mode:
- In this mode, the capacity step of the outdoor unit is controlled automatically to let the target temperature reach the set temperature.

*7. Return/Room air temp. control:
- Set the DIP SW 1-7 to ON.

Note
- Auto change over function between cooling and heating mode is available ONLY when this system is selected and the input selection of capacity setting (DIP SW1 and SW6) is ″No input (Auto step mode)″.
- Keep operation range shown at the following section 3.3.

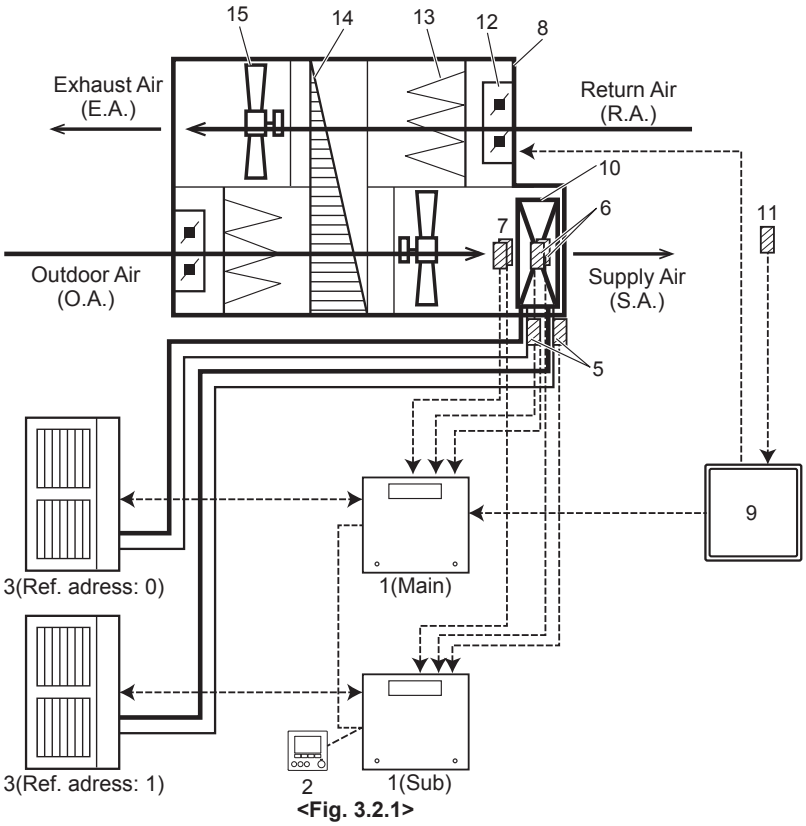
No.	Part name	System (1-3)
1	Interface unit	✔
2	Remote controller	✔
3	Outdoor unit	✔
4	Target air temp. thermistor (TH1)	✔
5	Ref. liquid temp. thermistor (TH2)	✔
6	2-Phase temp. thermistor (TH5)	✔ *8
7	HEX inlet (Coil on) temp. thermistor (TH11)	✔
8	Air-Handling Unit (AHU) (Local supply)	✔
9	AHU local controller (Local supply)	✔
10	Heat exchanger of AHU (Local supply)	✔
11	Target air temp. thermistor (Local supply)	–
12	Louver (Local supply)	✔
13	Air filter (Local supply)	✔
14	Heat recovery (Local supply)	✔
15	Fan (Local supply)	✔

*8. If outdoor unit is SHW series, It’s not needed to install this thermistor, and set the DIP SW 1-5 to ON.

3. System

3.2. System configuration (Intelligent multiple outdoor unit control *1)

(2-1) Manual step mode (example)



<Fig. 3.2.1>

*1. Interface system receives step request signal correspond to total capacity of outdoor units, and calculates necessary capacity for each outdoor unit automatically.

Note
- This intelligent multiple outdoor unit control function is available only when Manual step mode is selected.
- Up to 6 outdoor units can be connected.
- 2 different type of outdoor units (capacity and/or series) can be mixed,but connecting the same capacity outdoor units is highly recommended.
- Ref. address setting on each outdoor unit is needed.
- Interface unit which connects to the Ref. address 0 outdoor unit, becomes main interface unit.
- Connect AHU local controller (Part No. 9) to the main interface unit.
- Connect ONE remote controller (Part No. 2) to the interface unit.
- Connect between the interface units with a remote controller (daisy chain). MAX : 500m
- When using this function, set the DIP SW 1-8 of all interface unit to ON.
- Do NOT select STEP 0 for 3 minutes after compressor is ON. (Keep compressor ON for 3 minutes at least.)
- When changing STEP, make it less than 5 steps in a single operation, and keep at least 5 minutes interval between the changes.
- Keep operation range shown at the following section 3.3.
- Do NOT send STEP 0 during defrost operation.
- Do NOT change operation mode frequently.

No.	Part name	System (2-1)
1	Interface unit	✓
2	Remote controller	✓
3	Outdoor unit	✓
4	Target air temp. thermistor (TH1)	— *2
5	Ref. liquid temp. thermistor (TH2)	✓
6	2-Phase temp. thermistor (TH5)	✓ *3
7	HEX inlet (Coil on) temp. thermistor (TH11)	✓
8	Air-Handling Unit (AHU) (Local supply)	✓
9	AHU local controller (Local supply)	✓
10	Heat exchanger of AHU (Local supply)	✓
11	Target air temp. thermistor (Local supply)	✓
12	Louver (Local supply)	✓
13	Air filter (Local supply)	✓
14	Heat recovery (Local supply)	✓
15	Fan (Local supply)	✓

*2. Set the DIP SW 2-8 to ON.
*3. If outdoor unit is SHW series, It's not needed to install this thermistor, and set the DIP SW 1-5 to ON.

3.3. Indoor operation range

Mode	Number of outdoor unit	HEX inlet air temp. operation range
Cooling	1 or more	15 - 32 °C
Heating	1	0 - 28 °C
	2 or more	5 - 28 °C

4. Electrical work

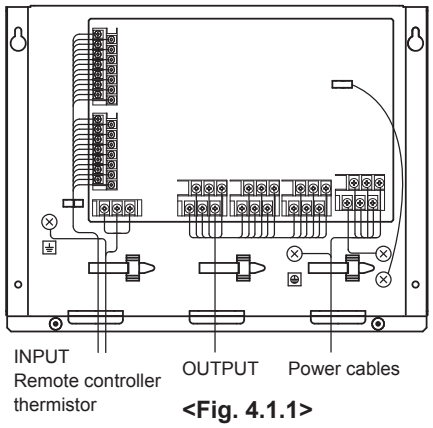
4.1. Electrical connection

All electrical work should be carried out by a suitably qualified technician. Failure to comply with this could lead to electrocution, fire, and death. All wiring should be according to national wiring regulations.

Connections should be made to the terminals indicated in the following figures.

Use ring terminals and insulate the wires.
Tighten the screw from the bottom terminals first.

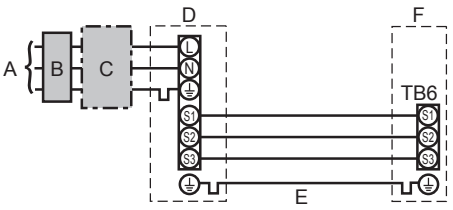
Notes:
1. Do not run the low voltage cables through a slot that the high voltage cables go through.
2. Do not bundle power cables together with other cables.
3. Bundle cables as Fig. 4.1.1 by using clamps.



<Fig. 4.1.1>

4.1.1. Interface unit power supplied from outdoor unit

The following connection patterns are available.
The outdoor unit power supply patterns vary on models.



A Outdoor unit power supply
B Earth leakage breaker *1, *2
C Wiring circuit breaker or isolating switch
D Outdoor unit
E Interface unit/outdoor unit connecting cables
F Interface unit

*1 If the installed earth leakage circuit breaker does not have a function to protect over-current, install a breaker with that function along the same power line.
*2. A breaker with at least 3.0 mm contact separation in each pole shall be provided.
Use earth leakage breaker (NV).
The breaker shall be provided to ensure disconnection of all active phase conductors of the supply.

Note:
In accordance with IEE regulations the circuit breaker/isolating switch located on the outdoor unit should be installed with lockable devices (health and safety).

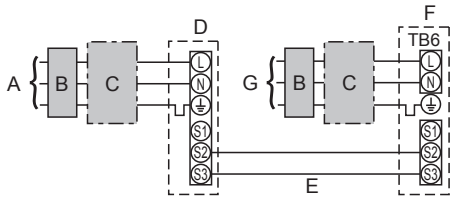
Wiring Wire No. × size (mm²)	Interface unit - Outdoor unit	*3	3 × 1.5 (polar)
	Interface unit - Outdoor unit earth	*3	1 × Min. 1.5
Circuit rating	Interface unit - Outdoor unit S1-S2	*4	230 V AC
	Interface unit - Outdoor unit S2-S3	*4	24 V DC

*3. Max. 45 m
If 2.5 mm² used, Max. 50 m
If 2.5 mm² used and S3 separated, Max. 80 m
*4. The values given in the left table are not always measured against the ground value.

Notes: 1. Wiring size must comply with the applicable local and national code.
2. Interface unit/outdoor unit connecting cords shall not be lighter than polychloroprene sheathed flexible cord. (Design 60245 IEC 57)
Interface unit power supply cords shall not be lighter than polychloroprene sheathed flexible cord. (Design 60227 IEC 53)
3. Install an earth longer than other cables.

4.1.2. Separate interface unit/outdoor unit power supplies

The following connection patterns are available.
The outdoor unit power supply patterns vary on models.



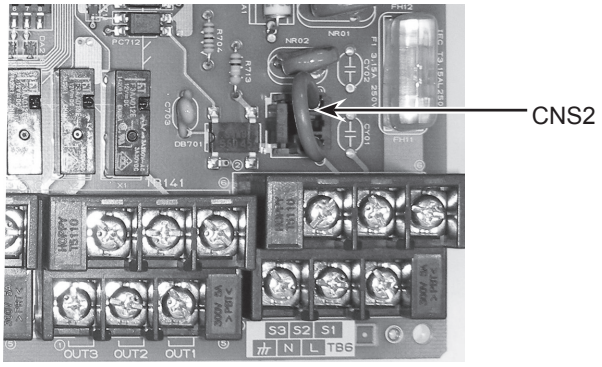
A Outdoor unit power supply
B Earth leakage breaker *1, *2
C Wiring circuit breaker or isolating switch
D Outdoor unit
E Interface unit/outdoor unit connecting cables
F Interface unit
G Interface unit power supply

*1 If the installed earth leakage circuit breaker does not have a function to protect over-current, install a breaker with that function along the same power line.

Note:
In accordance with IEE regulations the circuit breaker/isolating switch located on the outdoor unit should be installed with lockable devices (health and safety).

If the interface and outdoor units have separate power supplies, refer to the table below.

	Separate power supply specifications
Interface unit controller connector (CNS2) connection change	Disconnected
Outdoor unit DIP switch settings (when using separate interface unit/ outdoor unit power supplies only)	ON ■ 3 OFF 1 2 □ (SW8) Set the SW8-3 to ON.



<Photo 4.1.2>

4. Electrical work

Interface unit power supply			~/N 230 V 50 Hz
Interface unit input capacity Main switch (Breaker)		*2	16 A
Wiring Wire No. × size (mm²)	Interface unit power supply		2 × Min. 1.5
	Interface unit power supply earth		1 × Min. 1.5
	Interface unit-Outdoor unit	*3	2 × Min. 0.3
	Interface unit-Outdoor unit earth		—
Circuit rating	Interface unit L-N	*4	230 V AC
	Interface unit-Outdoor unit S1-S2	*4	—
	Interface unit-Outdoor unit S2-S3	*4	24 V DC

*2. A breaker with at least 3.0 mm contact separation in each pole shall be provided. Use earth leakage breaker (NV).
The breaker shall be provided to ensure disconnection of all active phase conductors of the supply.
*3. Max. 120 m
*4. The values given in the left table are not always measured against the ground value.

Notes: 1. Wiring size must comply with the applicable local and national code.
2. Interface unit/outdoor unit connecting cords shall not be lighter than polychloroprene sheathed flexible cord. (Design 60245 IEC 57)
Interface unit power supply cords shall not be lighter than polychloroprene sheathed flexible cord. (Design 60227 IEC 53)
3. Install an earth longer than other cables.

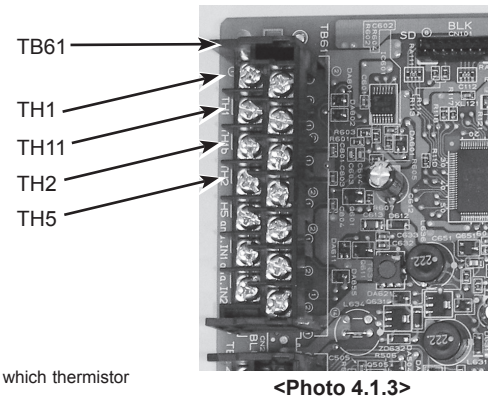
4.1.3. Connecting thermistor cable

Connect the thermistor ② for the interface controller.

1. Target temp. thermistor (TH1)
   Connect the thermistor for the target temp. to 1 and 2 on the terminal block (TB61) on the interface controller.
2. HEX inlet temp. thermistor (TH11)
   Connect the thermistor for the HEX inlet temp. to 3 and 4 on the terminal block (TB61) on the interface controller.
3. Ref. liquid temp. thermistor (TH2)
   Connect the thermistor for the ref. liquid temp. to 5 and 6 on the terminal block (TB61) on the interface controller.
4. 2-phase temp. thermistor (TH5)
   Connect the thermistor for the 2-phase temp. to 7 and 8 on the terminal block (TB61) on the interface controller.

When the thermistor cables are too long, cut it to the appropriate length.
Do not bind it in the interface unit.

The 4 thermistors have the same specification except the color of cables, thus we do not specify which thermistor should be installed to which position.



<Photo 4.1.3>

Notes: When multiple outdoor units are connected, conect thermistors to each interface unit respectively.

⚠ Caution:
Do not route the thermistor cables together with power cables.
The sensor part of the thermistor should be installed where user can not access. (It should be separated by the supplementary insulation from areas the user can access.)

4.1.4. Connecting external input

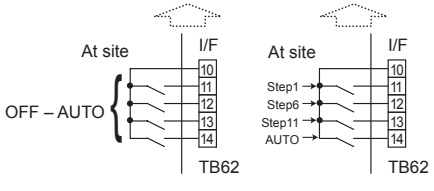
Demand control is available by external input.
Select input type by setting the switch of the interface controller, and it is possible to set capacity request when manual step mode (“Analog input” , “Remote switch” or “Modbus”) is selected.

Switch1, Switch 6 : Input selection of inverter capacity setting

Input	SW 1-1	SW 1-2	SW 1-3	SW 6-1	SW 6-2	Step for capacity setting
REMOTE SWITCH Type A (4bit-8 setting)	OFF	OFF	OFF	OFF	OFF	See the "Capacity setting" table below.
REMOTE SWITCHType B (1bit-1 setting)	ON	OFF	OFF	OFF	OFF	
Analog (4-20mA)	ON	ON	OFF	ON	ON	
Analog (1-5V)	ON	ON	OFF	OFF	ON	
Analog (0-10V)	OFF	OFF	ON	OFF	OFF	
Analog (0-10kΩ)	ON	OFF	ON	OFF	OFF	
No input (Auto step mode)	OFF	ON	ON	OFF	OFF	Only Auto step mode
Modbus	ON	ON	ON	OFF	OFF	OFF/Step1/Step2/…/Step11

• Capacity setting

Analog input				Step for capacity setting	Remote switch				Step for capacity setting		Remark
Variable resistor (0-10kΩ)	4-20mA	1-5V	0-10V	Analog input	TB 62 10-11 (COM-IN5)	TB 62 10-12 (COM-IN6)	TB 62 10-13 (COM-IN7)	TB 62 10-14 (COM-IN8)	Remote SW (Type A)	Remote SW (Type B)	
OPEN(12kΩ-)	–	–	–	OFF	–	–	–	–	–	–	Stop
10kΩ	–	–	–	Auto	OFF	OFF	OFF	ON	Auto	Auto	Auto step mode
7.5kΩ	19-20mA	4.75-5V	9.75-10V	Step11 max.	ON	ON	ON	OFF	Step11 max.	–	
–	–	–	9.02V	Step10	–	–	–	–	–	–	
5.6kΩ	17mA	4.25V	8.20V	Step9	OFF	ON	ON	OFF	Step9	–	
4.3kΩ	15mA	3.75V	7.38V	Step8	ON	OFF	ON	OFF	Step8	–	
–	–	–	6.56V	Step7	–	–	–	–	–	–	
3.3kΩ	13mA	3.25V	5.75V	Step6	OFF	OFF	ON	OFF	Step6	Step11 max.	Hz fixed mode
–	–	–	4.93V	Step5	–	–	–	–	–	–	
2kΩ	11mA	2.75V	4.11V	Step4	ON	ON	OFF	OFF	Step4	–	
1kΩ	9mA	2.25V	3.29V	Step3	OFF	ON	OFF	OFF	Step3	Step6	
–	–	–	2.47V	Step2	–	–	–	–	–	–	
510Ω	7mA	1.75V	1.66V	Step1 min.	ON	OFF	OFF	OFF	Step1 min.	Step1 min.	
0-100Ω	4-5mA	0-1.25V	0-0.63V	OFF	OFF	OFF	OFF	OFF	OFF	OFF	Stop



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- **4-20mA / 1-5V / 0-10V / 0-10kΩ**

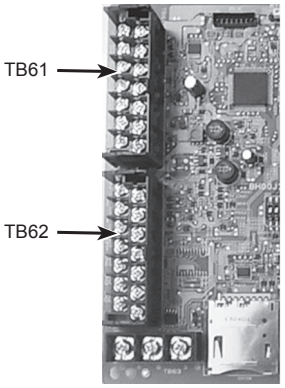
① Use 4-20mA / 1-5V / 0-10V
Connect the transmission cables to No. 11 and 12 on the terminal block (TB61).
No. 11 on the terminal block(TB62) : Plus side
No. 12 on the terminal block(TB62) : Minus side (Reference side)

② Use variable resistor (0-10kΩ)
Connect the transmission cables to No. 9 and 10 on the terminal block (TB61).

Note:

The values of the "capacity setting" table on the previous page show the center of the input value.

Cable length: Maximum 10m



<Photo 4.1.4>

- **Remote switch Type A (4 bit - 8 setting)/Type B (1 bit - 1 setting)**

Demand control is available by connecting remote switches with terminal No.10 - 14.
Make sure to use the non-voltage switch (for the remote switch)
Remote switch cable length : Maximum 10m
Remote switch : Minimum applicable load 12V DC, 1mA

Note:

When using intelligent multiple outdoor unit control function, input the capacity request signal to the main interface which connects to the ref. address 0 outdoor unit.

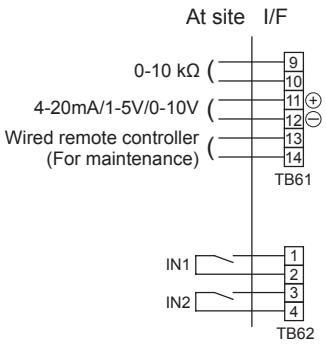
- **External function setting**

This function is setting operation mode or stopping compressor, by the external signal.

TB62	Item	OFF	ON	Remark
1-2 (IN1)	Forced Comp. OFF *1	Normal	Forced Comp. OFF	
3-4 (IN2)Item	Fixed operation mode	Cooling	Heating	Available when SW2-1 and SW2-2 are ON

*1 The operation continues during defrosting operation.
The “Forced Comp. OFF” signal should not be turned ON frequently. It should only be used if an abnormality occurs.

Cable length : Maximum 10m
Remote switch : Minimum applicable load 12V DC, 1mA



Note:

When using IN1 with intelligent multiple outdoor unit control function, input IN1 to the interface unit respectively. Input IN2 to the main interface which connects to the ref. address 0 outdoor unit.

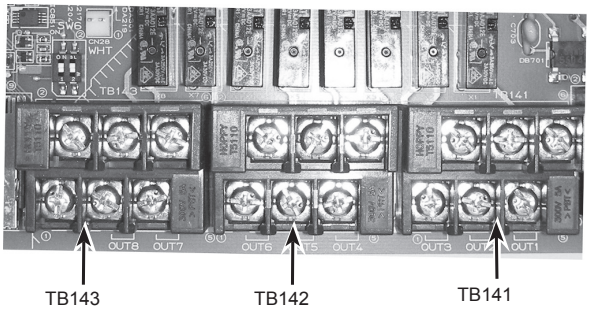
⚠ Caution:

The external input signals are separated by basic insulation from power supply for the unit.
The external input signals should be separated by supplementary insulation from where user may touch in case that it is installed where user may touch.
Connect the terminals by using the ring terminals and also insulate the cables of adjoining terminals when wiring to terminal block.

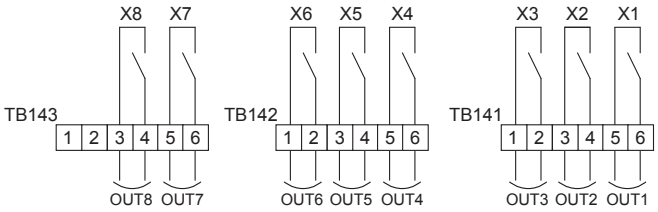
4.1.5. Connecting External Output

Name	Terminal block	Item	OFF	ON
OUT1	TB141 5-6	Operation Output	OFF	ON
OUT2	TB141 3-4	Error Output	Normal	Error
OUT3	TB141 1-2	Comp. ON Output	OFF(Comp. OFF)	ON(Comp. ON)
OUT4	TB142 5-6	Defrost Output	OFF	ON(Defrosting)
OUT5	TB142 3-4	Mode(Cool) Output	OFF	ON(Cooling)
OUT6	TB142 1-2	Mode(Heat) Output	OFF	ON(Heating)
OUT7	TB143 5-6	Self protection Output	OFF	ON
OUT8	TB143 3-4	Pre-Defrost Output *1	OFF	ON

*1 The output may not be available depending on connected outdoor unit models.
Cable length : Maximum 50m
Output specification : Non-voltage switch 1A, 240V AC/30V DC or less
10 mA, 5 V DC or more
*Connect the surge absorber according to the load at site.



<Photo 4.1.5>



Note:

- **External output signals are separated by basic insulation from other circuit of interface.**
- **When intelligent multiple outdoor unit control function is selected, OUT2, OUT3, OUT4, OUT7 and OUT8 will work individually on each interface.**

⚠ Caution: When 2 or more external outputs are used, the power supply on the output side should be the same.

4. Electrical work

4.1.6. Wiring specification External output / External input
Locally supplied parts

Item	Name	Model and specifications
External output function	External output signal wire	Use sheathed vinyl coated cord or cable. Wire type : CV, CVS or equivalent. Wire size : Stranded wire 0.5mm^2 to 1.25mm^2 Solid wire: ϕ0.65mm to ϕ1.2mm
	Display lamp, etc.	Non-voltage Contact 220-240V AC (30V DC), 1A or less 10 mA, 5 V DC or more
External input function	External input signal wire	Use sheathed vinyl coated cord or cable. Wire type : CV, CVS or equivalent. Wire size : Stranded wire 0.5mm^2 to 1.25mm^2 Solid wire : ϕ0.65mm to ϕ1.2mm
	Switch	Non-voltage "a" contact

4.1.7. Switch setting
It is possible to set the following function by setting the switch of the interface controller.

• SW2-1/2-2 : Fixed operation mode

SW2-1	SW2-2	Details
OFF	OFF	Not FIX (Depending on Remote controller setting)
ON	OFF	[Cooling] FIX
OFF	ON	[Heating] FIX
ON	ON	External input (Depending on TB62 3-4)

• SW2-3/2-4/2-5 : Fixed set temperature [For Auto step mode only]

SW2-3	SW2-4	SW2-5	Details
OFF	OFF	OFF	Not fixed (Remote controller setting)
ON	OFF	OFF	Cooling 19°C/Heating 17°C FIX
OFF	ON	OFF	20°C FIX
ON	ON	OFF	22°C FIX
OFF	OFF	ON	24°C FIX
ON	OFF	ON	26°C FIX
OFF	ON	ON	28°C FIX
ON	ON	ON	Cooling 30°C/Heating 28°C FIX

Set switches in case of auto step mode.

• SW3-4/3-5 : Thermo OFF point by HEX inlet air temp.
(difference between target temp. and HEX inlet temp.)
[For Auto step mode and supply air temp. control]
Compressor is forced to stop when HEX inlet temp. is close to target temp. to reduce frequent ON/OFF cycling under low heating/cooling load condition.

SW3-4	SW3-5	Differential
OFF	OFF	1°C
OFF	ON	2°C
ON	OFF	3°C *1
ON	ON	4°C

*1. Standard setting : 3°C

• Other DIP switch setting

DIP switch	Function	OFF	ON
SW1-4	HEX inlet temp. thermistor (TH11) *2	WITH	WITHOUT
SW1-5	2-phase temp. thermistor (TH5)	WITH	WITHOUT
SW1-6	Time stamp function on SD card data	N/A	Available *1
SW1-7	Position of target temp. thermistor (TH1)	Supply Air temp. control	Return Air temp. control
SW1-8	Intelligent multiple outdoor units control	Inactive	Active
SW2-6	LEV self control *2	OFF	ON
SW2-7	Ref. liquid temp. thermistor (TH2) *2	WITH	WITHOUT
SW2-8	Target temp. thermistor (TH1)	WITH	WITHOUT

*1. This function is valid only with remote controller.
*2. This SW must be set to “OFF”.

4.1.8. Before test run

After completing installation and the wiring and piping of the local application and outdoor units, check for refrigerant leakage, looseness in the power supply or control wiring, wrong polarity, and no disconnection of one phase in the supply.
Use a 500-volt megohmmeter to check that the resistance between the power supply terminals and ground is at least 1.0MΩ.

⚠ **Warning:**
Do not use the system if the insulation resistance is less than 1.0MΩ.

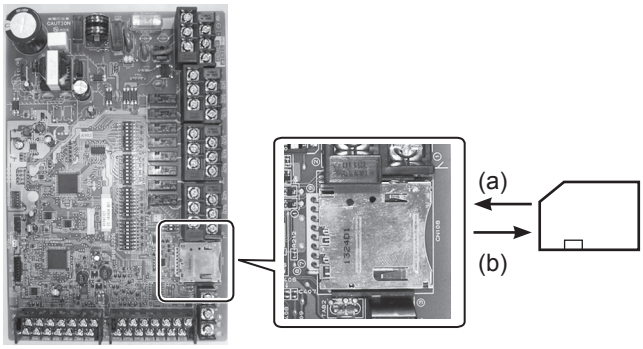
⚠ **Caution:**
Do not carry out this test on the control wiring (low voltage circuit) terminals.

4. Electrical work

4.2 Using SD memory card

The interface unit is equipped with an SD memory card interface.
Using an SD memory card can store operating logs.

(a) For insertion, push on the SD memory card until it clicks into place.
(b) For ejection, push on the SD memory card until it clicks.
Note: To avoid cutting fingers, do not touch sharp edges of the SD memory card connector (CN108) on the interface controller.



<Handling precautions>

(1) Use an SD memory card that complies with the SD standards. Check that the SD memory card has a logo on it of those shown to the right.
(2) SD memory cards to the SD standards include SD, SDHC, miniSD, micro SD, and microSDHC memory cards. The capacities are available up to 32 GB. Choose that with a maximum allowable temperature of 55ºC.
(3) When the SD memory card is a miniSD, miniSDHC, microSD, or micro SDHC memory card, use an SD memory card converter adapter.
(4) Before writing to the SD memory card, release the write-protect switch.

(5) Before inserting or ejecting an SD memory card, make sure to power off the system. If an SD memory card is inserted or ejected with the system powered on, the stored data could be corrupted or the SD memory card be damaged.
*An SD memory card is live for a short duration after the system is powered off. Before insertion or ejection wait until the LED lamps on the interface control board are all off.
(6) The read and write operations have been verified using the following SD memory cards, however, these operations are not always guaranteed as the specifications of these SD memory cards could change.

Manufacturer	Model	Tested in
Verbatim	#44015 0912-61	Mar. 2012
SanDisk	SDSDB-002G-B35	Oct. 2011
Panasonic	RP-SDP04GE1K	Oct. 2011
Arvato	2GB PS8032 TSB 24nm MLC	Jun. 2012
Arvato	2GB PS8035 TSB A19nm MLC	Jul. 2014
Lexar	LSD 8GB ABEUCL6 Rev A	Jul. 2014

Before using a new SD memory card, always check that the SD memory card can be safely read and written to by the interface board.
<How to check read and write operations>
a) Check for correct wiring of power supply to the system. For more details, refer to section 4.1.
(Do not power on the system at this point.)
b) Insert an SD memory card.
c) Power on the system.
d) The LED6 lamp lights if the read and write operations are successfully completed. If the LED6 lamp continues blinking or does not light, the SD memory card cannot be read or written to by the interface controller.

(7) Make sure to follow the instruction and the requirement of the SD memory card's manufacturer.
(8) Format the SD memory card if determined unreadable in step (6). This could make it readable.
Download an SD card formatter from the following site.
SD Association homepage: https://www.sdcard.org/home/
(9) Interface board supports FAT file system but not NTFS file system.
(10) Mitsubishi Electric is not liable for any damages, in whole or in part, including failure of writing to an SD memory card, and corruption and loss of the saved data, or the like. Back up saved data as necessary.
(11) Do not touch any electronic parts on the interface controller when inserting or ejecting an SD memory card, or else the control board could fail.

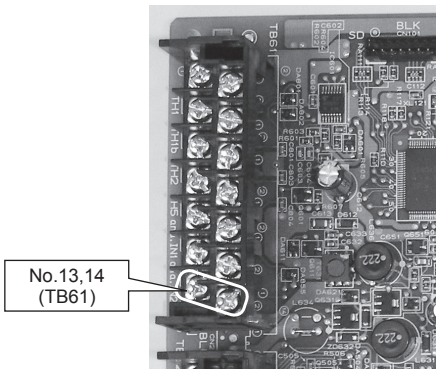
Logos

Capacities
2 GB to 32 GB *1
SD speed classes
All

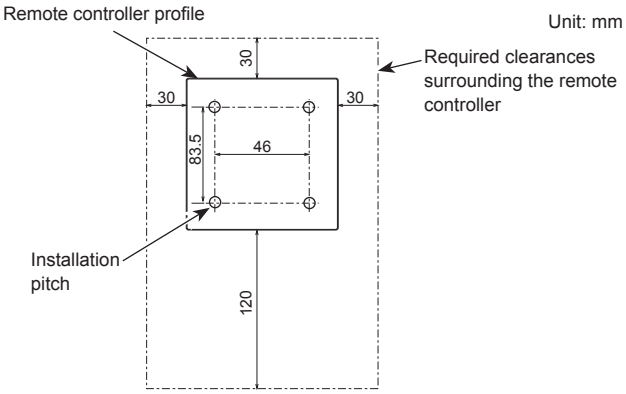
• The SD Logo is a trademark of SD-3C, LLC.
The miniSD logo is a trademark of SD-3C, LLC.
The microSD logo is a trademark of SD-3C, LLC.

*1 A 2-GB SD memory card stores up to 30 days of operation logs.

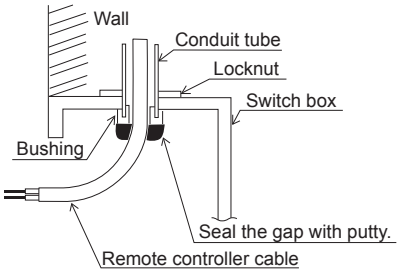
4. Electrical work



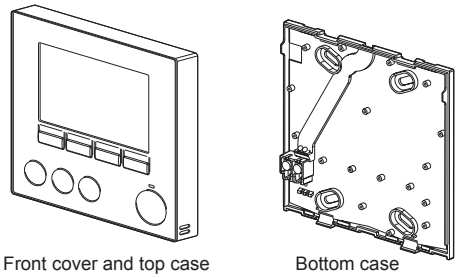
<Fig. 4.3.1>



<Fig. 4.3.2>



<Fig. 4.3.3>



<Fig. 4.3.4>

4.3. Connecting the remote controller

4.3.1. Connect the remote controller cable to Interface unit

Connect the remote controller cable to 13 and 14 on the terminal block (TB61) on the interface controller. <Fig. 4.3.1>

Wiring wire No. × size (mm²): 2 × 0.3 (non polar)

The 5 m wire is attached as an accessory. Max. 500 m

Wiring size must comply with the applicable local and national codes.

Circuit rating: 12V DC

Circuit rating is NOT always against the ground.

Notes:

Wiring for remote controller cable shall be (5 cm or more) apart from power source wiring so that it is not influenced by electric noise from power source wiring. (Do not insert the remote controller cable and power source wiring in the same conduit.) (Refer to Fig. 4.1.1)

When wiring to TB61, use the ring type terminals and insulate them from the cables of adjoining terminals.

4.3.2. Installing the remote controller

1. The remote controller can be installed either in the switch box or directly on the wall. Perform the installation properly according to the method.
   (1) Secure clearances shown in <Fig. 4.3.2> regardless of whether installing the remote controller either directly on the wall or in the switch box.
   (2) Prepare the following items in the field.
   Double switch box
   Thin metal conduit
   Locknut and bushing
   Cable cover
   Wall plug

2. Drill an installation hole in the wall.
   ■ Installation using a switch box
   • Drill a hole in the wall for the switch box, and install the switch box in the hole.
   • Fit the conduit tube into the switch box.
   ■ Direct wall installation
   • Drill a cable access hole and thread the remote controller cable through it.

⚠ Caution:

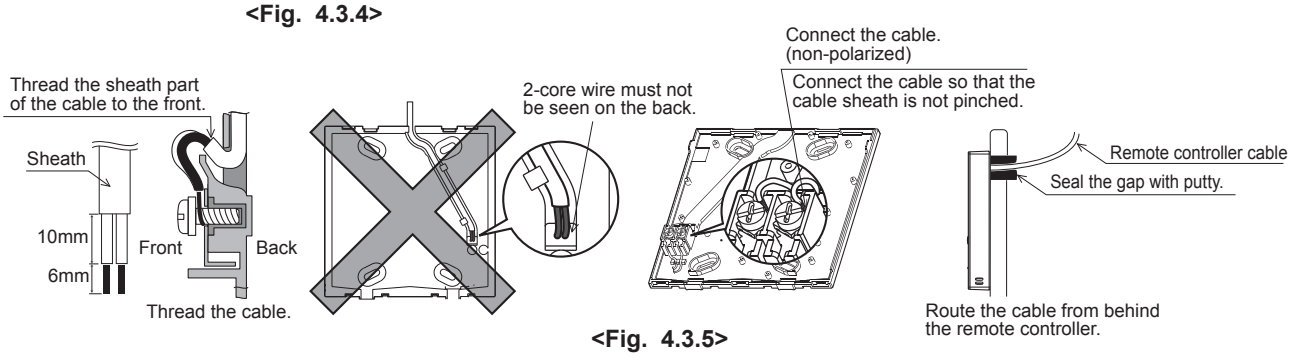
To prevent entry of dew, water, and insects, seal the gap between the cable and the hole through which the cable is threaded with putty. Otherwise, electric shock, fire, or failure may result.

3. Have the remote controller ready.
   Remove the bottom case from the remote controller.
4. Connect the remote controller cable to the terminal block on the bottom case.
   Modify the remote controller cable as shown in <Fig. 4.3.5>, and thread the cable from behind the bottom case.
   Completely thread the cable to the front so that the unsheathed part of the cable cannot be seen behind the bottom case.
   Connect the remote controller cable to the terminal block on the bottom case.
   ■ Direct wall installation
   • Seal the gap between the cable and the hole through which the cable is threaded.

⚠ Caution

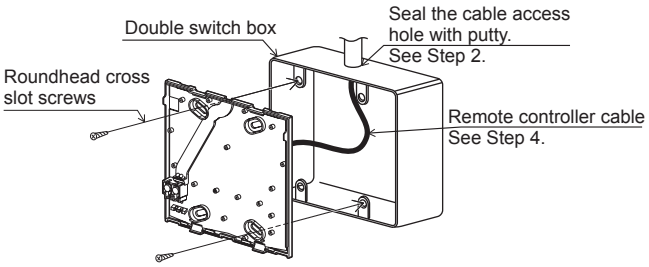
To prevent electric shock or failure, keep the sheath ends or any other foreign objects out of the terminal block.

Do not use ring terminals to connect the wires to the terminal block on the bottom case. The terminals will come in contact with the control board and the front cover and top case, which will result in failure.

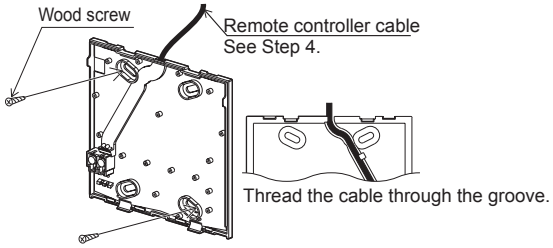


<Fig. 4.3.5>

4. Electrical work



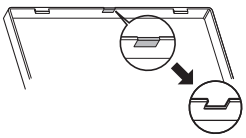
5. Install the bottom case.
   ■ Installation using a switch box
   • When installing the bottom case in the switch box, secure at least two corners of the switch box with screws.



■ Direct wall installation
• Thread the cable through the slot provided.
• When mounting the bottom case on the wall, secure at least two corners of the remote controller with screws.
• To prevent the bottom case from lifting, use top-left bottom-right corners of the remote controller (viewed from the front) to secure the bottom case to the wall with wall plugs or the like.

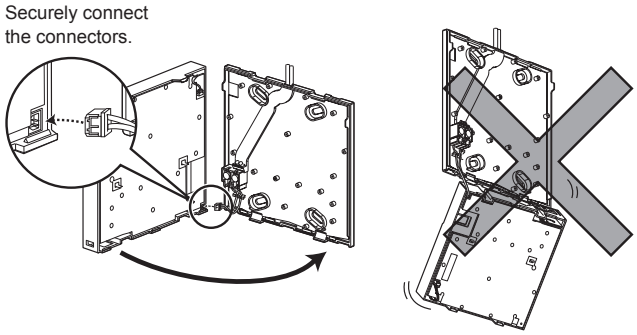
⚠ Caution:
To avoid causing deformation or cracks to the remote controller, do not overtighten the screws and make an additional installation hole(s).

<Fig. 4.3.6>



6. Cut out the cable access hole.
   ■ Direct wall installation
   • Cut out the knockout hole (indicated with grey in <Fig. 4.3.7>) in the front cover by knife or nipper.
   • Thread the remote controller cable from the slot behind the bottom case through this access hole.

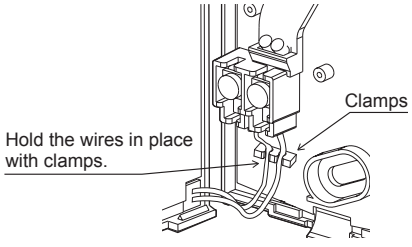
<Fig. 4.3.7>



7. Plug the lead wire cable into the top case.
   Plug the lead wire cable coming from the bottom case into the top case.

⚠ Caution:
To avoid failures, do not remove the controller board protective sheet and the controller board from the top case.
After the cable is plugged into the top case, do not hang the top case as shown in <Fig. 4.3.8>. Otherwise, the remote controller cable could sever, which could cause malfunction to the remote controller.

<Fig. 4.3.8>

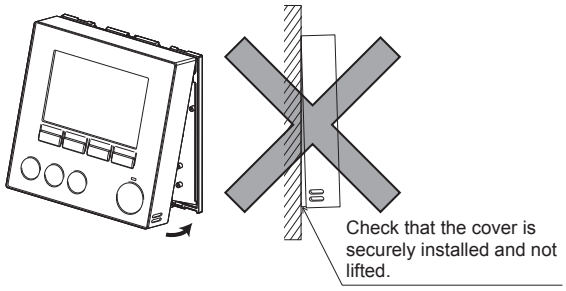


8. Fit the lead wires into the clamps.

⚠ Caution:
Hold the wires in place with clamps to prevent excessive strain from being applied on the terminal block and causing cable breakage.

<Fig. 4.3.9>

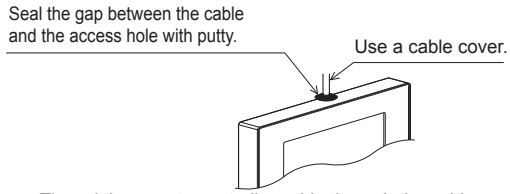
4. Electrical work



<Fig. 4.3.10>

9. Fit the top case and the front cover onto the bottom case.
   The top case assembly (fitted with the front cover at factory shipment) has two tabs on top. Hook the tabs onto the bottom case and snap the top case onto the bottom case into place. Check that the cover is securely installed.

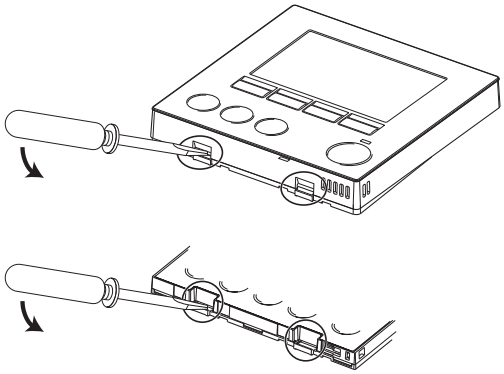
⚠ **Caution:**
When the top case is correctly attached to the bottom case a click is heard. If the front cover is not clicked into place it may fall off.



Thread the remote controller cable through the cable access hole at the top of the remote controller.

<Fig. 4.3.11>

■ Direct wall installation (when routing the remote controller cable along the wall surface)
- Thread the remote controller cable through the cable access hole at the top of the remote controller.
- Seal the gap between the cable and the access hole with putty.
- Use a cable cover.



<Fig. 4.3.12>

● Disassembling the top case and the front cover

(1) Remove the front cover.
Insert a flat head screwdriver into either of two open slots at the bottom of the remote controller and move the screwdriver handle downward as shown. The engagement of the tabs will be released. Then pull the front cover toward the front to remove the front cover.

(2) Remove the top case.
Insert a flat head screwdriver into either of two open slots at the bottom of the remote controller. The subsequent procedure is the same as that of the front cover.

⚠ **Caution:**
Use a 5 mm- flat head screwdriver. Do not turn the screwdriver forcibly while placing the blade in the slots. Doing so could break the covers.

5. Remote controller operation

■ Disposal of the Unit

<Figure 5.1>

Note: This symbol mark is for EU countries only.
This symbol mark is according to the directive 2012/19/EU Article 14 Information for users and Annex IX, and/or to the directive 2006/66/EC Article 20 Information for end-users and Annex II.
Your Mitsubishi Electric heating system products have been manufactured with high quality materials and components which can be recycled and/or reused. The symbol in Figure 5.1 means that electrical and electronic equipment, batteries and accumulators at the end of their life, should be disposed of separately from your household waste.
If a chemical symbol is printed beneath the symbol (Figure 5.1), this chemical symbol means that the battery or accumulator contains a heavy metal at a certain concentration. This is indicated as follows;
Hg: mercury (0.0005%), Cd: (cadmium (0.002%), Pb: lead (0.004%)

In the European Union there are separate collection systems for used electrical and electronic products, batteries and accumulators.
Please dispose of this equipment, batteries and accumulators correctly at your local community waste collection/recycling centre.

Contact your local Mitsubishi Electric dealer for country-specific details on disposal.
Please, help us to conserve the environment we live in.

5.1. Safety precautions

FOR USER

► Before installing the unit, make sure you read all the "Safety Precautions".
► The "Safety Precautions" provide very important points regarding safety. Make sure you follow them.
► Please report to or take consent by the supply authority before connection to the system.

Symbols used in the text

⚠ Warning:

Describes precautions that should be observed to prevent danger of injury or death to the user.

⚠ Caution:

Describes precautions that should be observed to prevent damage to the unit.

Symbols used in the illustrations

⏚ : Indicates a part which must be grounded.

⚠ Warning:

- **The unit must not be installed by the user. Ask the dealer or an authorized company to install the unit. If the unit is installed improperly, electric shock or fire may result.**
- **Do not stand on, or place any items on the unit.**
- **Do not splash water over the unit and do not touch the unit with wet hands. An electric shock may result.**
- **Do not spray combustible gas close to the unit. Fire may result.**
- **Do not place a gas heater or any other open-flame appliance where it will be exposed to the air discharged from the unit. Incomplete combustion may result.**
- **Do not remove the front panel or the fan guard from the outdoor unit when it is running.**
- **When you notice exceptionally abnormal noise or vibration, stop operation, turn off the power switch, and contact your dealer.**
- **Never insert fingers, sticks etc. into the intakes or outlets.**
- **If you detect odd smells, stop using the unit, turn off the power switch and consult your dealer. Otherwise, a breakdown, electric shock or fire may result.**
- **If the supply cable is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.**
- **This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.**
- **Children should be supervised to ensure that they do not play with the appliance.**
- **If the refrigeration gas blows out or leaks, stop the operation of the air conditioner, thoroughly ventilate the room, and contact your dealer.**
- **Do not install in location that is hot or humid for long periods of time.**

⚠ Caution:

- **Do not use any sharp object to push the buttons, as this may damage the remote controller.**
- **Never block or cover the interface unit's intakes or outlets.**

Disposing of the unit

When you need to dispose of the unit, consult your dealer.

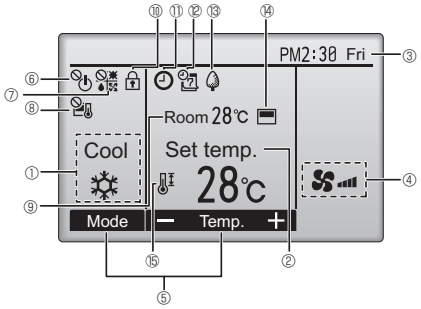
5. Remote controller operation

5.2. Names and functions of controller components

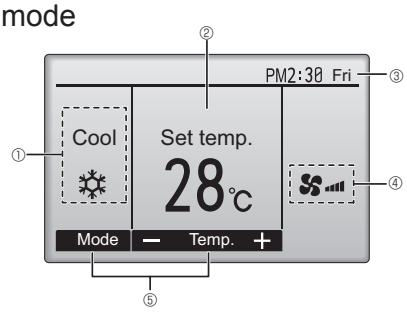
Display

The main display can be displayed in two different modes: "Full" and "Basic."
The factory setting is "Full."

Full mode



Basic mode



* All icons are displayed for explanation.

①Operation mode
Interface unit operation mode appears here.

②Preset temperature
Preset temperature appears here.
It is valid only when auto step mode is selected.

③Clock
Current time appears here.

④Fan speed
This function is not available.

⑤Button function guide
Functions of the corresponding buttons appear here.

⑥
Appears when the ON/OFF operation is centrally controlled.

⑦
Appears when the operation mode is centrally controlled.

⑧
Appears when the preset temperature is centrally controlled.

⑨Room temperature
Current room temperature appears here.

⑩
Appears when the buttons are locked.

⑪
Appears when the On/Off timer function is enabled.

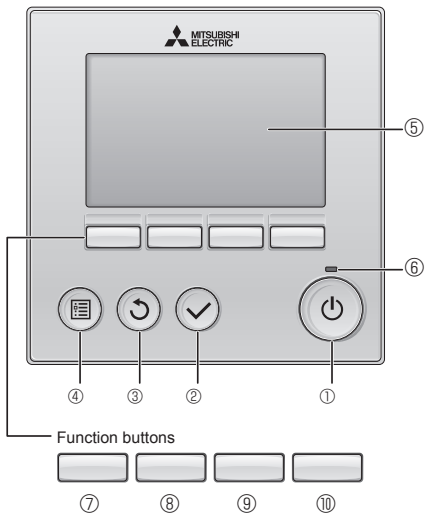
⑫
Appears when the Weekly timer is enabled.

⑬
Appears while power is ON.

⑭
Appears when the built-in thermistor on the remote controller is activated to monitor the room temperature (⑨).
appears when the thermistor on the interface unit is activated to monitor the room temperature.

⑮
Appears when the preset temperature range is restricted.

Controller interface



- When the backlight is off, pressing any button turns the backlight on and does not perform its function. (except for the ON/OFF button)
- Most settings (except ON/OFF, mode, fan speed, temperature) can be made from the Menu screen.

① ON/OFF button
Press to turn ON/OFF the interface unit.

② SELECT button
Press to save the setting.

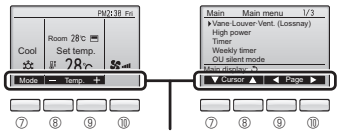
③ RETURN button
Press to return to the previous screen.

④ MENU button
Press to bring up the Main menu.

⑤ Backlit LCD
Operation settings will appear.
When the backlight is off, pressing any button turns the backlight on and it will stay lit for a certain period of time depending on the screen.

⑥ ON/OFF lamp
This lamp lights up in green while the unit is in operation. It blinks while the remote controller is starting up or when there is an error.

The functions of the function buttons change depending on the screen. Refer to the button function guide that appears at the bottom of the LCD for the functions they serve on a given screen.
When the system is centrally controlled, the button function guide that corresponds to the locked button will not appear.



⑦ Function button F1
Main display: Press to change the operation mode.
Main menu: Press to move the cursor down.

⑧ Function button F2
Main display: Press to decrease temperature.
Main menu: Press to move the cursor up.

⑨ Function button F3
Main display: Press to increase temperature.
Main menu: Press to go to the previous page.

⑩ Function button F4
Main display: Not available.
Main menu: Press to go to the next page.

5. Remote controller operation

5.3. Initial settings

From the Main display, press “MENU” button, select “Initial setting”, and make the remote controller settings on the screen that appears.

- · Main/Sub
- · Clock
- · Main display
- · Contrast
- · Display details
  - -Clock
  - -Temperature
  - -Room temp.
  - -Auto mode (Auto cooling/heating operation)
- · Auto mode (Auto cooling/heating operation)
- · Administrator password
- · Language selection

(1) Main/Sub setting
When connecting two remote controllers, one of them needs to be designated as a sub controller.

(2) Clock setting
Clock setting is necessary for time display, SD card data logging, weekly timer, timer setting and error history.
Make sure to perform clock setting when the unit is used for the first time or has not used for a long time.

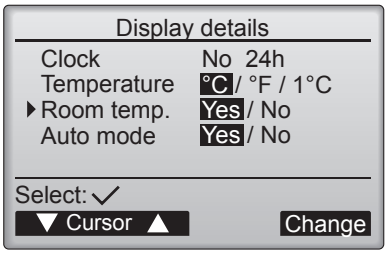
(3) Main display setting
Use the F3 or F4 button to select the display mode “Full” or “Basic.” (The factory setting is “Full.”)

(4) Remote controller display details setting
Make the settings for the remote-controller-related items as necessary.
Press the SELECT button to save the changes.
[1] Clock display

[2] Temperature unit setting

[3] Room temperature display

[4] Auto mode (Auto cooling/heating operation) display setting
(The factory setting is “Yes”.)
· Yes: “AUTO COOL” or “AUTO HEAT” is displayed during Auto mode (Auto cooling/heating operation).
· No: Only “AUTO” is displayed during Auto mode (Auto cooling/heating operation).



(5) Auto mode (Auto cooling/heating operation) setting
· Yes: The Auto mode (Auto cooling/heating operation) can be selected in the operation mode setting.
· No: The Auto mode (Auto cooling/heating operation) cannot be selected in the operation mode setting.
(The factory setting is “Yes”.)

(6) Administrator password setting
- The initial administrator password is “0000.” Change the default password as necessary to prevent unauthorized access. Have the password available for those who need it.
- If you forget your administrator password, you can initialize the password to the default password “0000” by pressing and holding the F1 and F2 buttons simultaneously for three seconds on the administrator password setting screen.
- The administrator password is required to make the settings for the following items.
  - · Timer setting
  - · Weekly timer setting
  - · Restriction setting

5. Remote controller operation

5.4. Basic operations

■ Operation mode icons

Cool Fan Auto Heat

Auto cool Auto heat

■ Turning ON and selecting operation mode

1. Press button ① (ON/OFF).
2. Press button ⑦ (F1) to go through the operation modes.

The ON/OFF lamp and the LCD will light up.

Cool → Fan → Auto (Auto cooling/heating operation) *1 → Heat → (Cool)

*1 Operation mode is available ONLY when input selection of capacity setting (DIP SW1 and SW6) is "No input (Auto step mode)" and Return air temp. control is selected (DIP SW 1-7 is ON).

■ Preset temperature setting

Press button ⑧ (F2) to decrease the preset temperature.
Press button ⑨ (F3) to increase the preset temperature.
* Pressing once changes the value by 1ºC (1ºF).

Operation mode	Preset temperature range
Cool (Supply air temp. control)	12 ~ 30 ºC (54 ~ 87 ºF)
Cool (Return air temp. control)	19 ~ 30 ºC (67 ~ 87 ºF)
Heat	17 ~ 28 ºC (63 ~ 83 ºF)
Auto cooling/heating operation	19 ~ 28 ºC (67 ~ 83 ºF)
Fan	Not settable

* The temperature range restriction setting will be applied preferentially, if any. If the setting value is outside of the range, a message "Temp. range locked" will appear.

■ Automatic cooling/heating operation

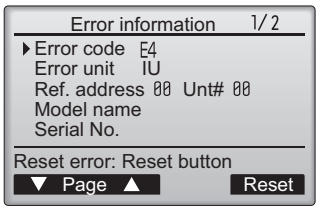
1. Press button ① (ON/OFF).
2. Press button ⑦ (F1) to display the operation mode "Auto".

When the room temperature is higher than the preset temperature, cooling operation starts.
When the room temperature is lower than the preset temperature, heating operation starts.

* The current operation mode ("Auto cool" or "Auto heat") will be displayed after the mode is determined.
If "Display/non-display of COOL/HEAT during AUTO mode" has been set to "Non-display" while making the initial settings, only "Auto" will be displayed.

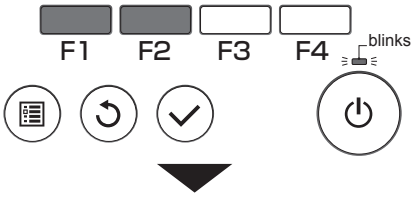
5.5. Troubleshooting

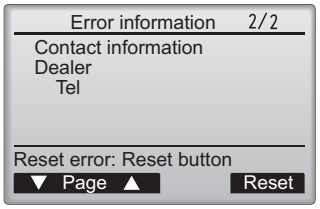
When an error occurs, the following screen will appear.
Check the error status, stop the operation, and consult your dealer.



Error code, error unit, refrigerant address, unit model name, and serial number will appear.
The model name and serial number will appear only if the information have been registered.

Press button ⑦ (F1) or ⑧ (F2) to go to the next page.

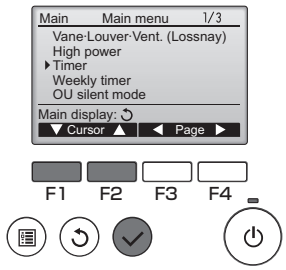




Contact information (dealer's phone number) will appear if the information have been registered.

5. Remote controller operation

5.6. Timer and Weekly timer



The settings for Timer and Weekly timer operation can be made from the remote controller.
Press button ④ (MENU) to go to the Main menu, and move the cursor to the desired setting with button ⑦ (F1) or ⑧ (F2).

■ Timer

- On/Off timer
  Operation On/Off times can be set in 5-minute increments.
- Auto-Off timer
  Auto-Off time can be set to a value from 30 to 240 in 10-minute increments.

■ Weekly timer

Operation On/Off times for a week can be set.
Up to eight operation patterns can be set for each day.

5.7. Service

■ Maintenance password setting

- The initial administrator password is "9999". Change the default password as necessary to prevent unauthorized access. Have the password available for those who need it.
- If you forget your administrator password, you can initialize the password to default password "9999" by pressing and holding the F1 and F2 buttons simultaneously for three seconds on the maintenance password setting screen.

5.8. Others

The following functions are NOT available.

(1) In main menu (Press button ④ (MENU), main menu appears.)

- “Vane Louver Vent (Lossnay)”
- “High power”
- “OU silent mode”
- In “Energy saving” menu, “schedule” function is NOT available.
- “Filter information”
- “Maintenance”
- In “Service” menu, “Drain pump test run”, “Check” functions are NOT available, except for “Request code” in “Check” function.

6. Service and Maintenance

■ Error Codes

Code	Error	Action
P1	Target air temperature thermistor (TH1) failure	• Check connection of thermistor. • Check resistance value of thermistor. 0ºC 15.0 kΩ 10ºC 9.6 kΩ 20ºC 6.3 kΩ 30ºC 4.3 kΩ
P2	Ref. liquid temperature thermistor (TH2) failure	• Check connection of thermistor. • Check resistance value of thermistor. For characteristics, refer to (P1) above.
P6	Freezing/ overheating protection	• Check local system if air flow is reduced. • Check outdoor fan motor.
P9	2-Phase temperature thermistor (TH5) failure	• Check connection of thermistor. • Check resistance value of thermistor. For characteristics, refer to (P1) above.
E0 - E5	Communication failure between remote controller and interface controller board	• Check connection cable for damage or loose connections. • Check system configuration of remote controller. (Refer to "3. System")
E6 - E7	Communication failure between interface unit and outdoor unit	• Check that outdoor unit has not been turned off. • Check connection cable for damage or loose connections. • Refer to outdoor unit service manual.
Fb	Interface controller board failure	• Replace interface controller board.
PL	Abnormal refrigerant circuit	• Replace the 4-way valve. • Check refrigerant pipes for disconnection or leakage. • Refer to outdoor unit service manual.
PU	HEX inlet temperature thermistor (TH11) failure	• Check connection of thermistor. • Check resistance value of thermistor. For characteristics, refer to (P1) above.
"EE" or "System error 1"	DIP SW setting error (Intelligent multiple outdoor unit controll)	• Set DIP SW 1-8 to "OFF", if system is single outdoor unit control. • Connect between interface units and set Ref. address of each outdoor unit. (See "3. System".)
System error 2	Controller board is incompatible with this model.	• Install interface controller board that is compatible with PAC-IF013B-E or PAC-SIF013B-E.
System error 3	Incompatible controller board is mixed when multiple interface units are connected.	• Check all interface controller boards are compatible with PAC-IF013B-E or PAC-SIF013B-E.
System error 4	DIP SW 1-8 of some interface units are ON and those of the other interface units are OFF.	• Set DIP SW 1-8 of all interface units to ON, or SW1-8 of all interface units to OFF.
"System error 5" or "System error 6"	2 or more Interface units are connected with one remote controller and manual step mode is selected, but DIP SW1-8 are OFF.	• Set SW1-8 of all interface units to ON if system is intelligent multiple outdoor unit controll. • Disconnect between interface units and connect remote controllers separately to each interface unit, if manual step mode is selected and intelligent multiple outdoor unit control is not selected.
System error 11	7 or more interface units are connected. (Up to 6 interface units can be connected.)	• Connect 6 or less interface units in one system.
"6831" or "Please wait" remains displayed on the remote controller for more than 6 minutes.	Remote controller is incompatible with this model.	• Remote controller included in the package of PAC-IF013B-E is exclusive for PAC-IF013B-E or PAC-SIF013B-E. Use the remote controller that has a drawing number "BH00J360" on the bottom.

7. Requirement on local design

- This interface is to connect Mr. Slim inverter outdoor unit of MITSUBISHI ELECTRIC to local applications. Please check the following when designing the local system.
- MITSUBISHI ELECTRIC does not take any responsibility on the local system design. Therefore, MITSUBISHI ELECTRIC does NOT take any responsibility on the failure (including outdoor unit) caused by local AHU and system design.
- Conformity of regulations and laws must be confirmed on the system on your side.

7.1. Air flow volume

Standard air flow volume

Model capacity of outdoor unit	ZRP	35	50	60	71	100	125	140	200	250
	P	–	–	–	–	–	–	–	200	250
	SHW	–	–	–	80	112	140	–	230	–
Maximum air volume	[m³/min]	12.3	18	21	24	33.6	42	48	67.2	81
	[m³/h]	738	1080	1260	1440	2016	2520	2880	4032	4860
Minimum air volume	[m³/min]	6.2	8.6	10.5	12.2	16.3	21.5	23.0	32.6	37.8
	[m³/h]	372	516	630	732	978	1290	1380	1956	2268

Make sure to keep the air flow volume within the limits of maximum and minimum below.

(1) Maximum air volume

Step mode	Number of outdoor unit	Capacities of the connected outdoor units	Maximum air volume
Manual	2-6	The same	500% of selected outdoor unit's maximum standard air volume *1
		Different	If smaller capacity outdoor unit's rated heating capacity is under 20% of total heating capacity, 500% of bigger capacity outdoor unit's maximum standard air volume is allowable. If smaller capacity outdoor unit's rated heating capacity is 20% or more of total heating capacity, 500% of smaller capacity outdoor unit's maximum standard air volume is allowable.
	1	–	200% of selected outdoor unit's maximum standard air volume
Auto	2-5	–	500% of the smallest capacity outdoor unit's maximum standard air volume
	1	–	200% of selected outdoor unit's maximum standard air volume

*1. 600% of selected outdoor unit's maximum standard air volume is available ONLY when 6 same capacity outdoor units are connected.

Note:
- When multiple outdoor units are connected, basically select one interlaced heat exchanger which has multiple refrigerant circuit or multiple heat exchanger placed in parallel to the air flow. If multiple heat exchangers placed in series with the air flow have to be used, maximum 2 heat exchanger in series are acceptable.

(2) Minimum air volume

Total amount of selected outdoor unit's minimum standard air volume is allowable.

7.2. Indoor heat exchanger

(1) Indoor heat exchanger volume

Make sure to keep the HEX capacity within the following range.

If the piping length is 30m or shorter, HEX capacity can be increased as follows.

Model capacity of outdoor unit		ZRP	35	50	60	71	100	125	140	200	250
		P	–	–	–	–	–	–	–	200	250
		SHW	–	–	–	80	112	140	–	230	–
Max. volume [cm³]											
	Pipe length	30m -	1050	1500	1800	2130	3000	3750	4200	6000	7500
		20m	1350	1800	2700	3030	3900	4650	5100	7800	9300
		10m	1650	2100	3600	3930	4800	5550	6000	9600	11100
Min. volume [cm³]			350	500	600	710	1000	1250	1400	2000	2500

Note: Calculate them by linear interpolation in case of other piping lengths not shown on this table.

(2) Diameter of header

With a bigger size header , the refrigerant flow velocity decreases and this disturbs the sufficient circulation of refrigerant oil. As a result, the refrigerant oil does not flow properly and could cause a serious damege of compressor.

Use the pipe whose outside diameter is less than the value shown in the table below.

Model capacity of outdoor unit	ZRP	35	50	60	71	100	125	140	200	250
	P	–	–	–	–	–	–	–	200	250
	SHW	–	–	–	80	112	140	–	230	–
Max. diameter of header [mm]		ϕ19				ϕ28				

(3) Withstanding pressure

Design pressure of outdoor unit is 4.15 MPa. Following must be satisfied for burst pressure of connecting application.

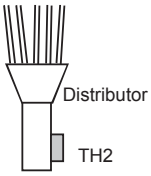
Burst pressure : More than 12.45 MPa (3 times more than design pressure)

(4) Contamination maintenance

1. Wash the inside of heat exchanger to keep it clean. Be sure to rinse not to leave flux. Do not use chlorine detergent when washing.
2. Be sure that the amount of contamination per unit cubic content of heat transfer pipe is less than the following amount.
   Example) In case of ø9.52mm
   Residual water : 0.6 mg/m, Residual oil : 0.5 mg/m, Solid foreign object : 1.8 mg/m

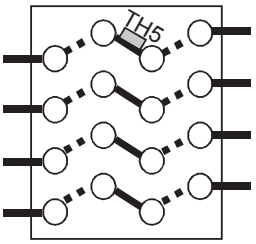
7. Requirement on local design

7.3. Thermistor position



< Target temp. thermistor (Locally supplied) >
Put thermistor where average supply or return air temperature for heat exchanger can be detected.
Put thermistor where it does NOT pick up the temperature of heat exchanger.

< Liquid refrigerant pipe thermistor (TH2) >
Put thermistor where liquid refrigerant pipe temperature can be detected.
Protect the thermistor with heat insulating materials not to be affected by the ambient temperature, etc.
In case that the refrigerant is distributed by distributor, put thermistor before the distributor.



< 2-Phase temp. thermistor (TH5) >
Put thermistor where 2-Phase temperature can be detected on the indoor HEX pipe.
It should be located in the middle of inlet and outlet ports.
If there are some paths, locate it on the top of them.
Protect the thermistor with heat insulating materials not to be affected
by the ambient temperature, etc.

< Target temp. thermistor (TH1) >
Put thermistor where average supply or return air temperature for heat exchanger can be detected.
Put thermistor where it does NOT pick up the temperature of heat exchanger.

< HEX inlet temp. thermistor (TH11) >
Put thermistor where average air temperature of heat exchanger inlet can be detected.
Put thermistor where it does NOT pick up the temperature of heat exchanger.

7.4. Restriction on input signals to the interface unit

Follow the "Note" in section 3.1 and 3.2.

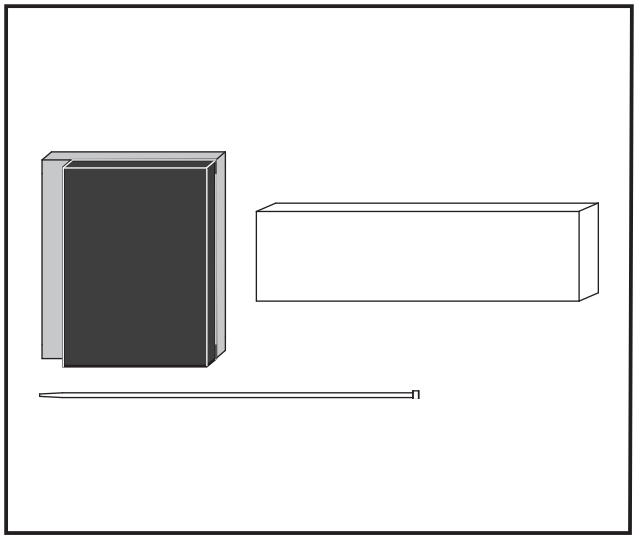
7.5. Indoor operation range

Follow the operation range shown in section 3.3.

Insulation for Accumulator

MAC-892INS-E

Figure



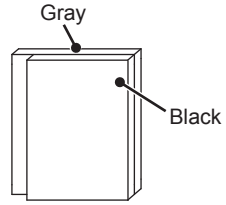
Descriptions

The insulation protects the accumulator from the freeze.

Applicable Models

■ MXZ-2E53VAHZ

Accessory

P.No. Name	1 Insulation Size: (t5+t3)×300×190	2 Band	3 Spare insulation Size:t5×100×300
Qty	2	3 +Spare 1	1
Shape			

NOTES:

(1) Attach the insulation correctly as shown in this installation manual: Incomplete attachment could cause freeze of accumulator.
(2) The insulation have adhesive: Once they are attached, they cannot be removed. So check the positions carefully before attaching.
(3) If any gap or break occurs during attachment, cut off the spare insulation 3 approximately and attach it.
Any gap or break could cause freeze of accumulator.
(4) If fire is used during installation or maintenance work, avoid the insulation from catching fire. Otherwise, fire may spread.

How to Use / How to Install

- Complete attaching the insulation before the piping/wiring work for the indoor-outdoor connection.
- In case the piping work is completed, finish the pump-down operation to remove the piping before attaching the insulation.
- Pay attention to the piping as it might be hot right after the operation is stopped.
- When assembling, pay attention not to make mistakes in connecting lead wire, fixing with the band, and so on.

For details on how to assemble each part, refer to the service manual.

(1) How to disassemble the unit

・For details on how to disassemble each part, refer to the service manual.

① Removing the service panel
Remove the screws (3 for the front and 3 for the side), then slide the service panel downward to remove.

② Removing the top panel
Remove the screws (2 for the front and 3 for the back), then lift the top panel upward to remove.

③ Removing the handle (R Rear)
Remove the 3 screws to remove the handle.

④ Removing the back panel
Remove the 6 screws of the back panel, then lift the back panel upward to remove.

⑤ Removing the front panel (assy)
Remove 7 screws of the front panel, then lift the front panel upward to remove.

⑥ Removing the ambient temperature thermistor
Remove the 2 claws of the ambient temperature thermistor holder, then remove from the rear guard.

⑦ Removing the junction connector of the compressor

⑧ Removing the elect assy (control P.C. board connector)
Disconnect the connectors CNF1 (*1), CN712, CN714 (*2), CNTH1, CN63H, CN791, and CN792.
Remove the 5 elect assy fixing screws, then lift the elect assy upward to remove.
*1 Remove the fan motor lead wire of CNF1 routing on elect assy.
*2 Remove the defrost heater lead wire of CN714 routing on elect assy.

⑨ Removing the back pillar
Remove the 3 back pillar fixing screws, then remove the back pillar.

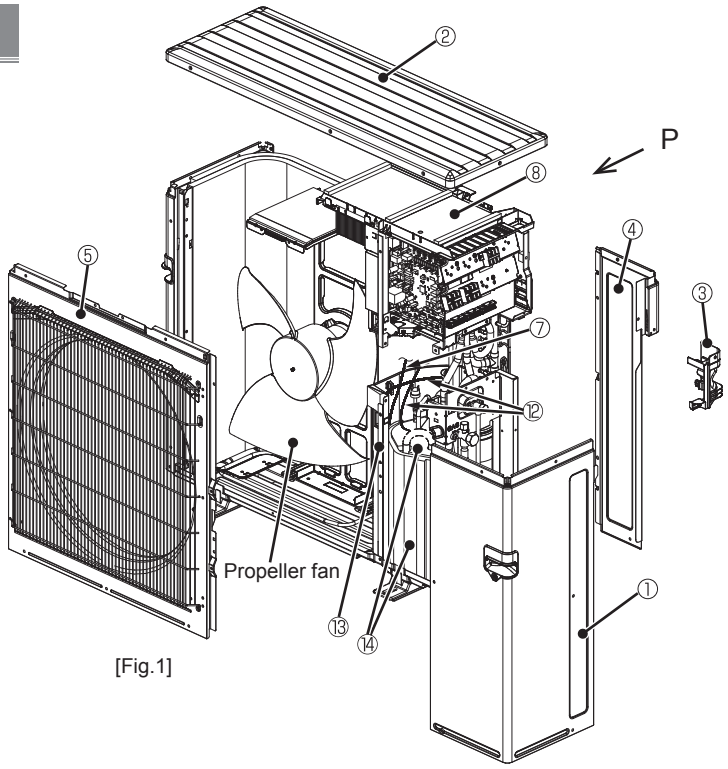
⑩ Removing the outdoor heat exchanger temperature thermistor (tube: green)
Pull out the outdoor heat exchanger temperature thermistor from the thermistor holder.

⑪ Removing the defrost thermistor (tube: white)
Pull out the defrost thermistor from the thermistor holder.

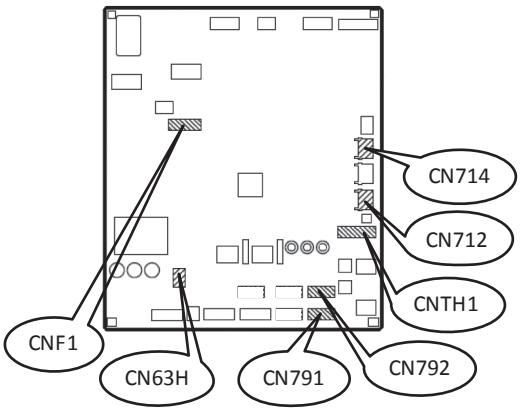
⑫ Removing the lead wire for the compressor
Remove the lead wire for both the compressor and the thermistor from the clamp of separator.

⑬ Removing the separator
Remove the 2 separator fixing screws, then lift the separator upward to remove.
Note: Pay attention not to touch the propeller fan when removing the separator.

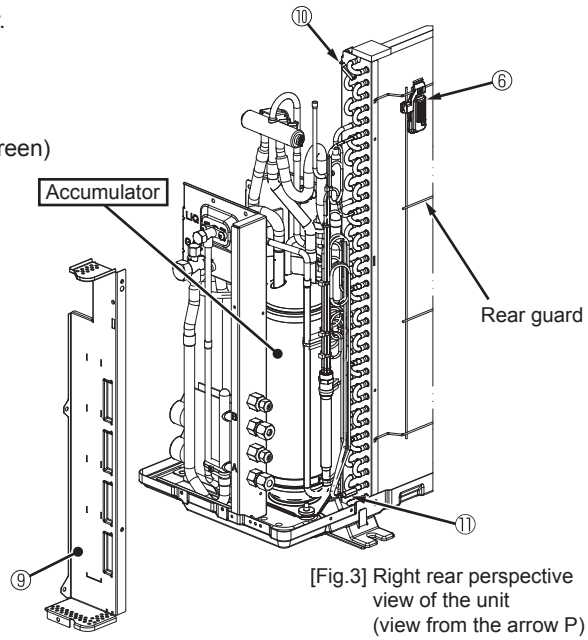
⑭ Remove the compressor felt (top/body).



[Fig.1]



[Fig.2] Reference figure of the controller board



[Fig.3] Right rear perspective view of the unit (view from the arrow P)

Continued to the next page

(2) How to attach the INSULATION (hereafter referred to as INS)

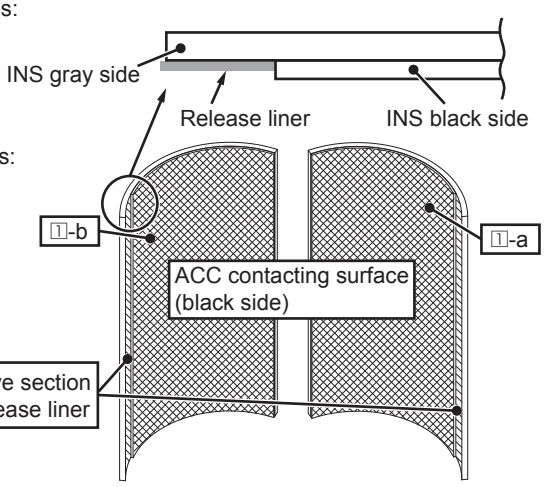
- When attaching the INS, be sure not to include any air or dust between the INS and ACC.
- If there is any condensation on the ACC, wipe it before attaching the INS.
- If any gap or break occurs during attachment, cut off the spare INS [3] approximately and attach it.

"Attaching the INS on the back side of the ACCUMULATOR (hereafter referred to as ACC)"

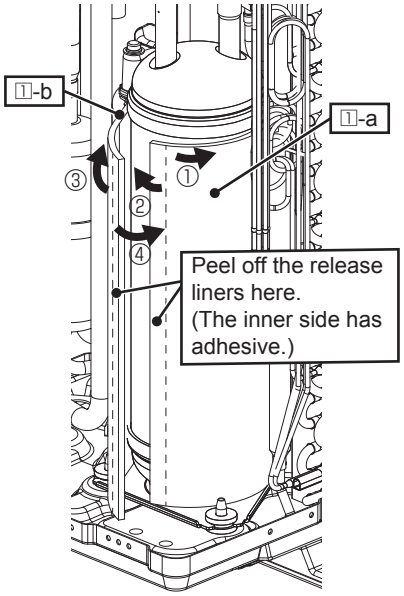
① Insert the INS ([1]–a) to the back side of the ACC following the attaching guides: A in the Fig.6 and C in the Fig.7.
②Peel off the release liner of INS ([1]–a) and attach to the ACC.

"Attaching the INS on the front side of the ACC"

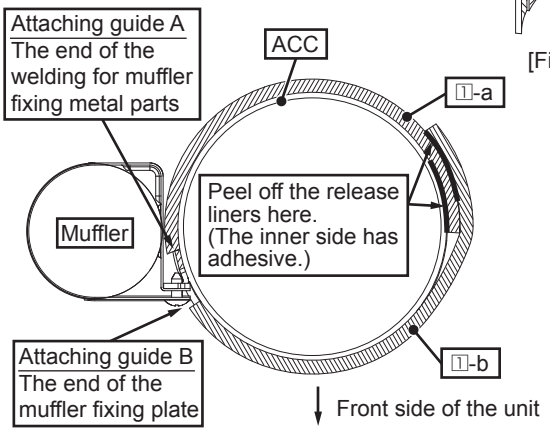
③ Insert the INS ([1]–b) to the front side of the ACC following the attaching guides: B in the Fig.6 and C in the Fig.7.
④ Peel off the release liner of INS ([1]–b) and attach to the ACC as it overlaps the INS([1]–a), which is attached earlier.



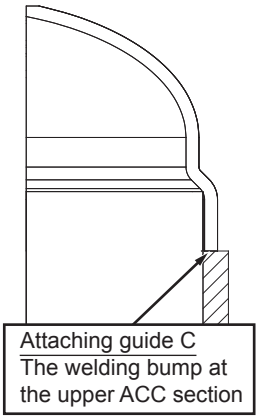
[Fig.4] Part detail figure of INS [1]-a, [1]-b



[Fig.5] ACC detail figure for attaching the INS (view from the arrow P)



[Fig.6] ACC upper cross section for INS circumferential position detail

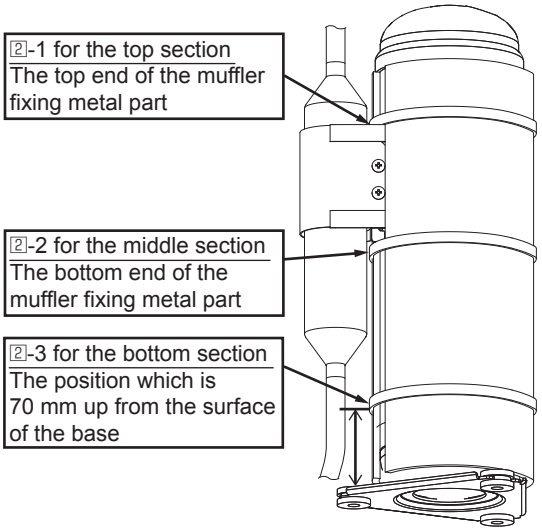


[Fig.7] INS vertical position in ACC section

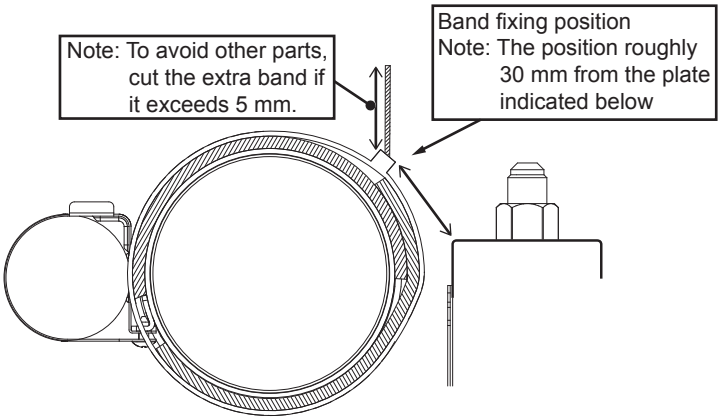
(3) How to fix with the band [2]

- Do not fix the piping and lead wire together with the INS with the band.
- Make sure that the head of the band does not touch the piping, panels, and other peripheral parts. (Cut the extra part of the band after fixing it.)

Fix the 3 positions with the band [2] over the INS as shown in the Fig.8.



[Fig.8] Band fixing position detail

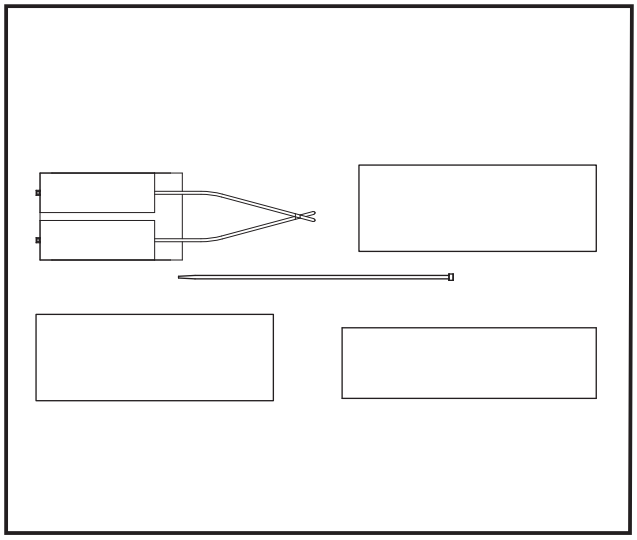


Note: Make sure that the INS is fixed with the band without slack and does not shift vertically or circumferentially.

Insulation for Accumulator

MAC-893INS-E

Figure



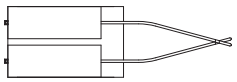
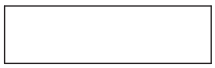
Descriptions

The insulation protects the accumulator from the freeze.

Applicable Models

■ MXZ-4E83VAHZ

Accessory

P.No. Name	1 Insulation Size: (t5+t2+t1)×360×220	2 Insulation Size: (t5+t1)×190×80	3 Insulation Size: t5×110×80	4 Band	5 Spare insulation Size:t5×220×80
Qty	1	1	1	1 + Spare 1	1
Shape					

NOTES:

(1) Attach the insulation correctly as shown in this installation manual: Incomplete attachment could cause freeze of accumulator.
(2) The insulation have adhesive: Once they are attached, they cannot be removed. So check the positions carefully before attaching.
(3) If any break occurs during attachment, cut off the spare insulation 5 approximately and attach it.
Break could cause freeze of accumulator.
(4) If fire is used during installation or maintenance work, avoid the insulation from catching fire. Otherwise, fire may spread.

How to Use / How to Install

- Complete attaching the insulation before the piping/wiring work for the indoor-outdoor connection.
- In case the piping work is completed, finish the pump-down operation to remove the piping before attaching the insulation.
- Pay attention to the piping as it might be hot right after the operation is stopped.
- When assembling, pay attention not to make mistakes in connecting lead wire, fixing with the band, and so on.

For details on how to assemble each part, refer to the service manual.

(1) How to disassemble the unit

For details on how to disassemble each part, refer to the service manual.

① Removing the service panel
Remove the 8 screws of the service panel, then slide the service panel downward to remove.

② Removing the top panel
Remove the screws (2 for the front and 3 for the back), then lift the top panel upward to remove.

③ Removing the back panel (assy)
Remove the 8 screws of the back panel, then lift the back panel upward to remove.

④ Removing the front panel (assy)
Remove the 9 screws of the front panel, then lift the front panel upward to remove.

⑤ Remove the junction connector of the compressor.

⑥ Removing the electrical parts
Disconnect the following connectors on the control board: CNF1 (*1), CN712, CN713, CN714 (*2), CNTH1, CNTH2, CN63H, CN791, CN792, CN793, and CN794.
Remove the 4 elect assy fixing screws, then lift the elect assy upward to remove.
*1 Remove the fan motor lead wire of CNF1 routing on elect assy.
*2 Remove the defrost heater lead wire of CN714 routing on elect assy.

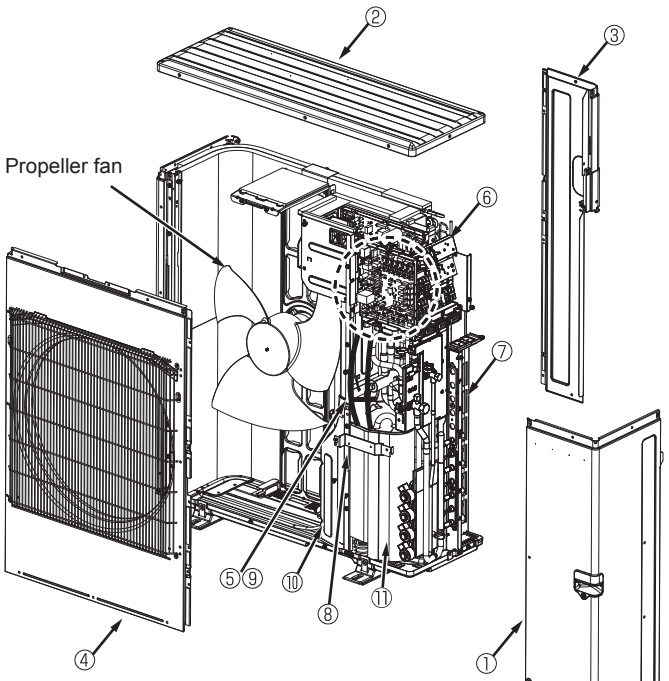
⑦ Removing the back pillar
Remove the 3 back pillar fixing screws, then remove the back pillar.

⑧ Removing the vb fixture
Remove the 2 vb fixture fixing screws, then remove the vb fixture.

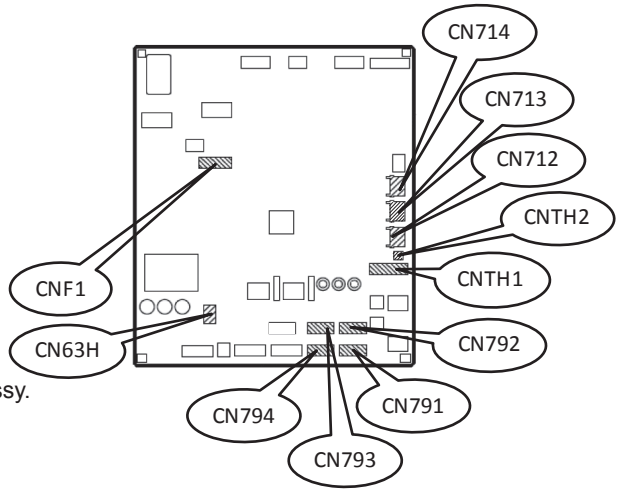
⑨ Removing the lead wire for the compressor
Remove the lead wire for both the compressor and the thermistor from the clamp of separator.

⑩ Removing the separator
Remove the 2 separator fixing screws, then lift the separator upward to remove. Pay attention not to touch the propeller fan when removing the separator.

⑪Remove the compressor felt (top/body).



[Fig.1]



[Fig.2] Reference figure of the controller board

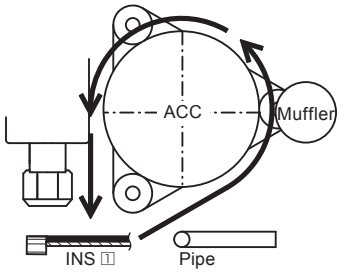
(2) How to attach the INSULATION (hereafter referred to as INS)

- •When attaching the INS, be sure not to include any air or dust between the insulation and ACC.
- •Do not fix the piping and lead wire together with the INS with the band.
- •Make sure that the head of the band does not touch the piping, panels, and other peripheral parts. (Cut the extra part of the band after fixing it.)
- •If there is any condensation on the ACC, wipe it before attaching the INS.
- •If any break occurs during attachment, cut off the spare INS approximately and attach it.

"Attaching the INS on the bottom section of the ACCUMULATOR (hereafter referred to as ACC) unit"

•Placing the INS ① around the ACC

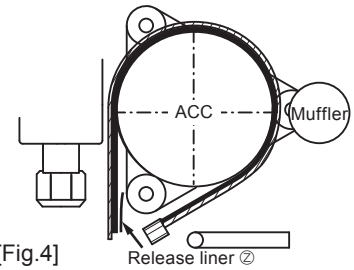
Pull the band of the INS ① towards the arrow in the Fig.3, then place the INS ① around the ACC with its adhesive inside as shown in the Fig.9 and the Fig.10.
Remove the tape after placing the INS ①.



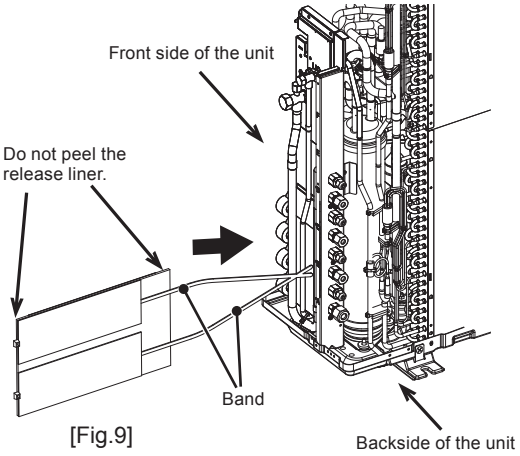
[Fig.3]

•Peeling the release liner ② of the INS ①

Peel the release liner ② while placing the INS ① as shown in the Fig.4.



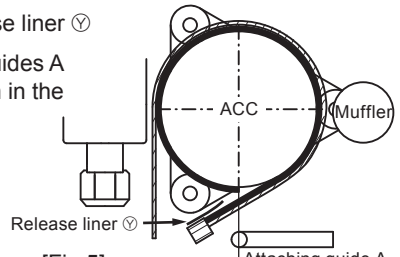
[Fig.4]



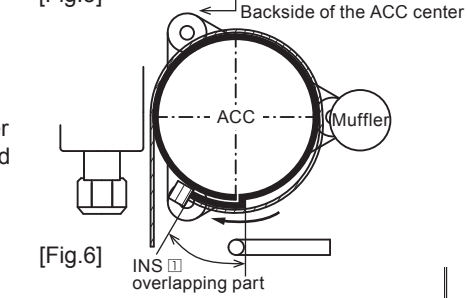
[Fig.9]

•Attaching the INS ① / Peeling the release liner ⓨ

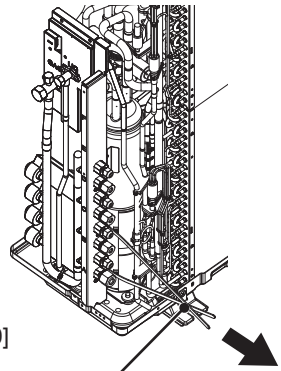
Put the end of INS ① to the attaching guides A and B, then attach to the ACC as shown in the Fig.5 and Fig.11.
Pay attention not to tilt the INS ① when attaching to the ACC.
Peel the release liner ⓨ after attaching the inner INS ①.



[Fig.5]



[Fig.6]



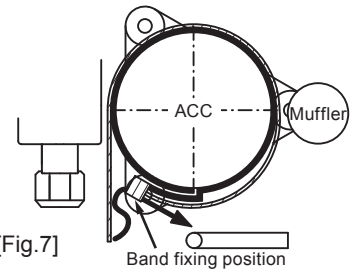
[Fig.10]

•Attaching the INS ①

Pull the INS ① towards the arrow then attach to the ACC as it overlaps the inner INS ① with no gaps between the INS and the ACC as shown in the Fig.6.

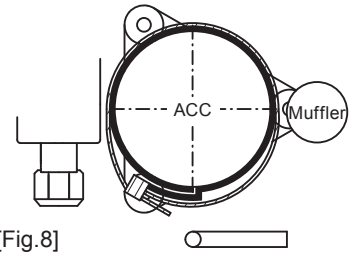
•Fixing with the band

Fix the 2 bands of the INS ① as shown in the Fig.7.
Note: To avoid other parts, cut the extra part of the band if it exceeds 5 mm.

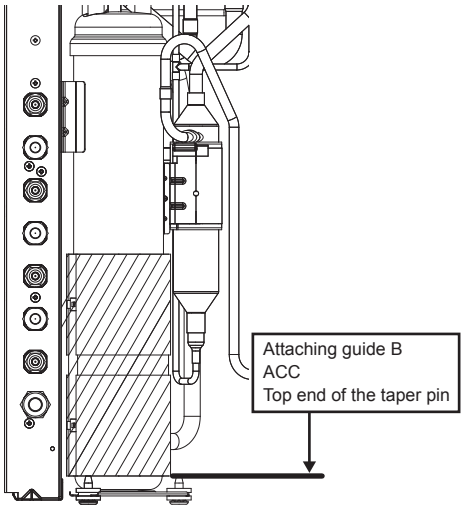


[Fig.7]

•Completing the attachment of the INS ①



[Fig.8]

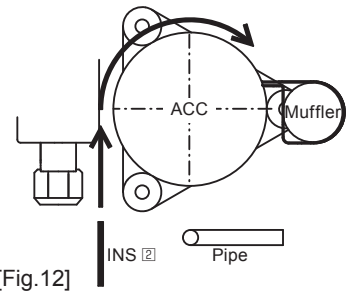


[Fig.11] Back side of the ACC

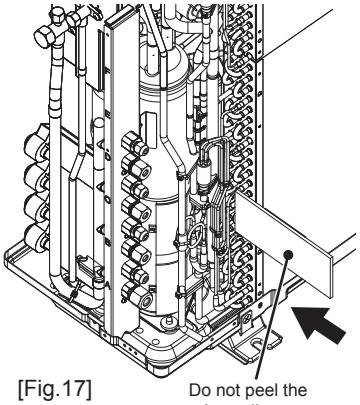
"Attaching the INS on the top section of the ACC unit"

•Placing the INS [2] around the ACC

Insert the INS [2] towards the arrow in the Fig.12 with its adhesive inside, then place the INS [2] around the ACC as shown in the Fig.17.



[Fig.12]

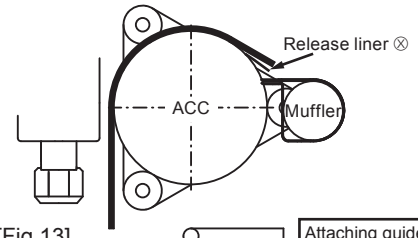


[Fig.17]

Do not peel the release liner.

•Peeling the release liner Ⓧ of the INS [2]

Peel the release liner Ⓧ while placing the INS [2] as shown in the Fig.13.

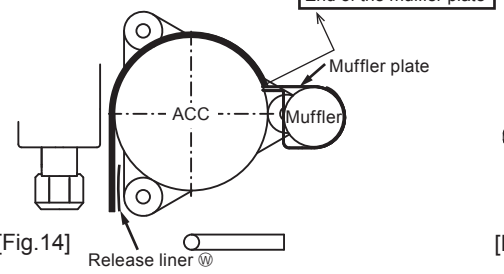


[Fig.13]

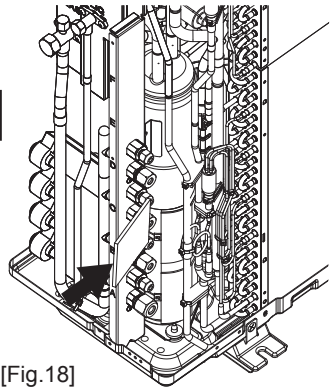
•Attaching the INS [2] / Peeling the release liner Ⓦ

Put the end of the INS [2] to the attaching guide C and D, then attach to the ACC as shown in the Fig.14 and Fig.19.
Note: Pay attention not to tilt the INS [2] when attaching to the ACC.

Peel the release liner Ⓦ after attaching the end of the INS [2].



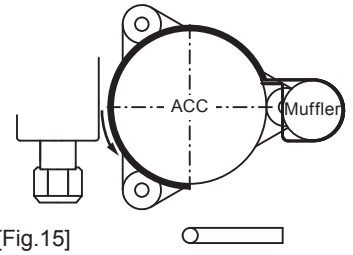
[Fig.14]



[Fig.18]

•Attaching the INS [2]
(Completing attachment of INS [2])

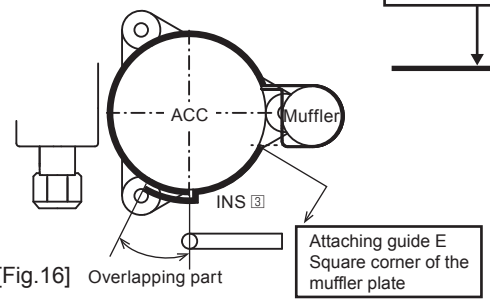
Pull the INS [2] towards the arrow in the Fig.15, then attach with no gaps between ACC and INS [2].



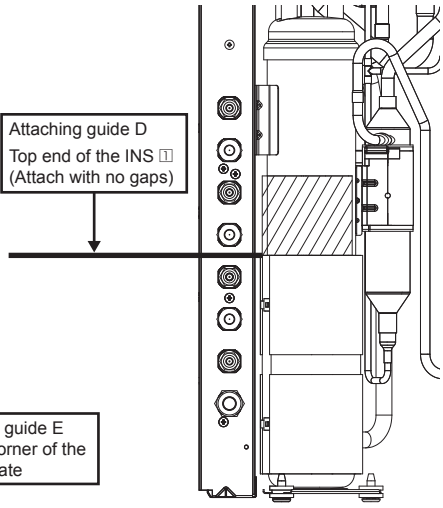
[Fig.15]

•Peeling the release liner of the INS [3] / Attaching the INS [3]

Peel the release liner of the INS [3], then insert the INS [3] as shown in the Fig.18.
Put the end of the INS [3] to the attaching guide D and E, then attach as it overlaps the INS [2] as shown in the Fig.16 and the Fig.19.



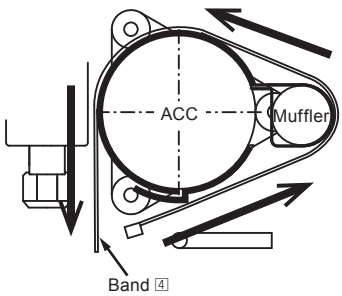
[Fig.16]



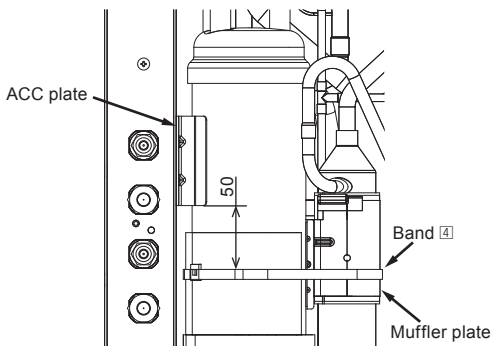
[Fig.19] Back side of the ACC

"Fixing the top section of the ACC unit with the band"

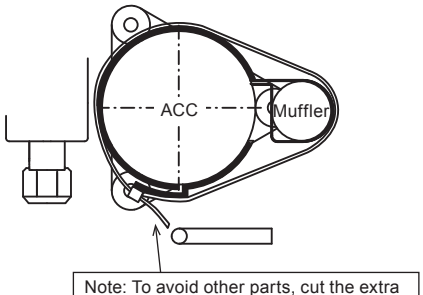
Placing the band [4] around the INS [2] and the INS [3] as shown in the Fig.20.
Fix the band [4]. For the height, the position, and the head of the band, refer to the Fig.21 and the Fig.22.
Notes: Make sure to fix the muffler plate and the INS firmly.
Make sure that the INS is fixed with the band without slack and does not shift vertically or circumferentially.



[Fig.20]

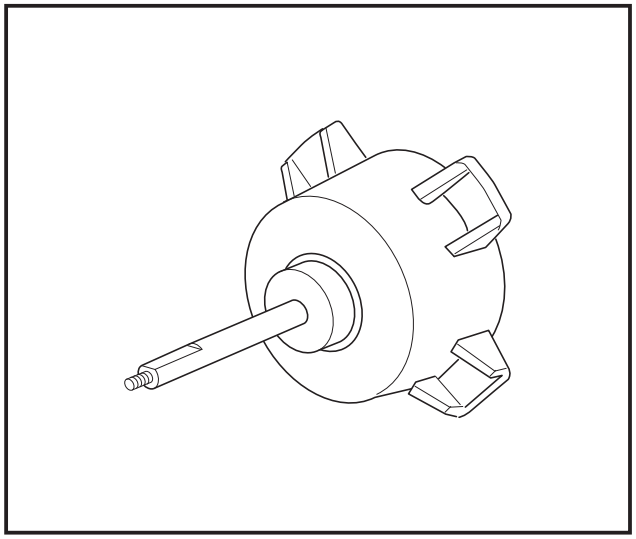


[Fig.21]



[Fig.22]

Figure



Descriptions

- When installing an outdoor unit indoors, an exhaust air duct is necessary. This product is a fan motor for increasing the static pressure of the fan used in that case.

Applicable Models

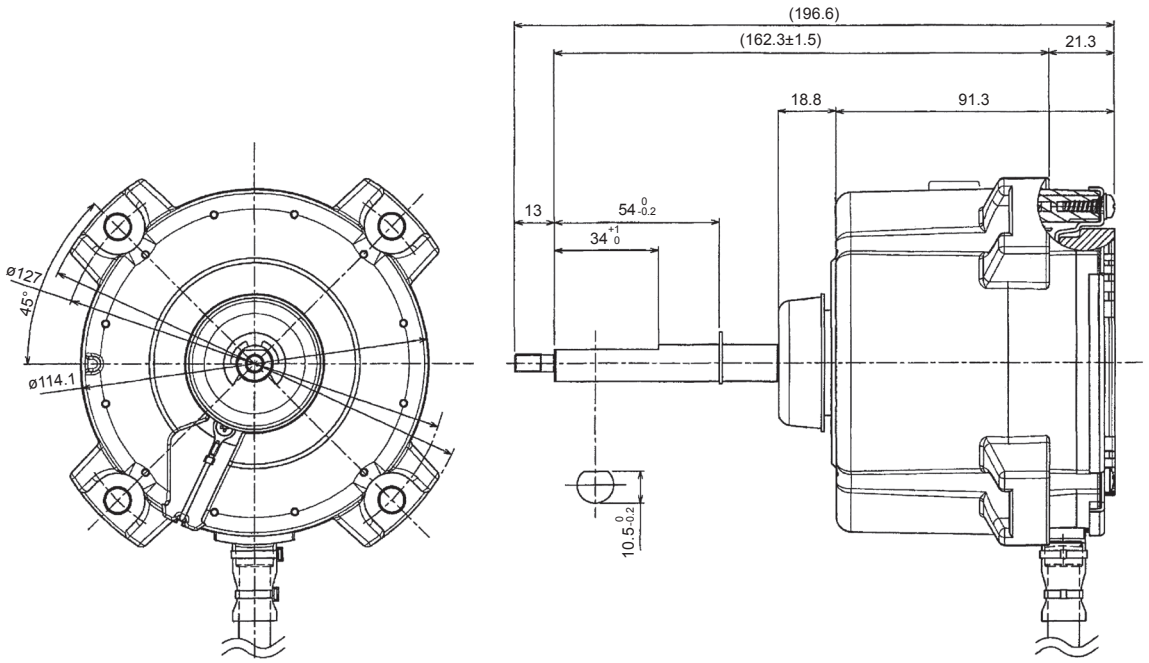
■ PUZ-ZM100VKA	■ PUHZ-ZPP100VKA3
■ PUZ-ZM125VKA	■ PUHZ-ZRP125VKA3
■ PUZ-ZM140VKA	■ PUHZ-ZRP140VKA3
■ PUZ-ZM100YKA	■ PUHZ-ZRP100YKA3R1
■ PUZ-ZM125YKA	■ PUHZ-ZRP125YKA3R1
■ PUZ-ZM140YKA	■ PUHZ-ZRP140YKA3R1
[R32 type]	[R410A type]

Specifications

Motor name	SIC-88FWJ-D8200-1
Pole number	10 P
Rated output	200 W
Rated voltage	Vm=280 V
Rated torque	2.39 N·m [24.4 kgf·cm]
Rated rotation speed	800 min $^{-1}$
Insulation	Class E
Time rating	Cont.
Product weight	About 3.4 kg

Dimensions

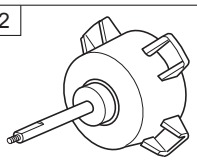
Unit: mm



How to Use / How to Install

This High-static-pressure Fan Motor is designed to be installed into a system with outdoor unit air volume of 112 m³/min and an air outlet static pressure of 30Pa.
Please check the system before installation.

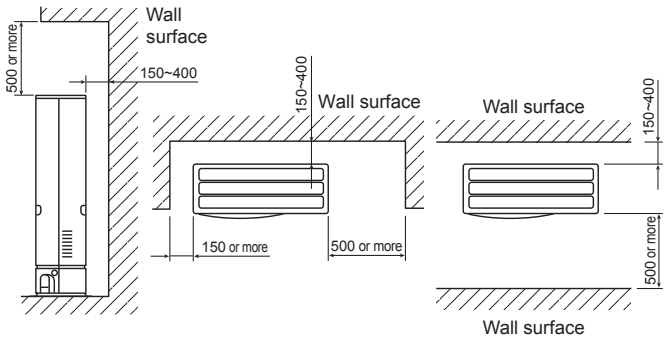
1. Accessory

P.No.	① Fan motor
Name	
Qty	2
Shape	

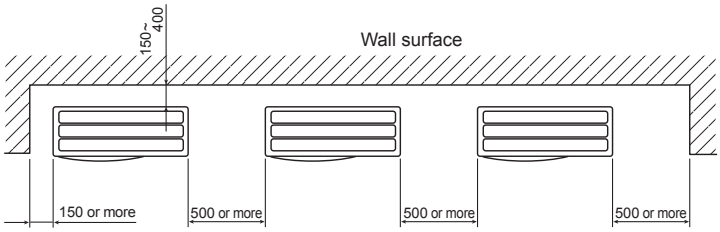
2. Requirements of installation space

[Unit: mm]

(1) One unit installation:



(2) Multiple unit installation:
Note: Installation of multiple units in series must be no more than five units.



3. Procedure for attaching fan motor

(1) Remove the service panel. (See Fig. 1)
(2) Remove the wire grille fixing screws (4 for front/ 5 x 12), then slide the wire grille upward to remove it. (See Fig. 1)
(For the each fan motor on top and under)
(3) Remove the screw of nut (1 for front/ M6), then slide the propeller fan forward to remove it.
(For the each fan motor on top and under)
(4) Disconnect the connectors, CNF1 (WHT) and CNF2 (WHT) on the controller circuit board in the electrical parts box. (See Fig. 4)
(5) Loosen the clamp for the lead wire on motor support and separator.
(6) Release the lead wire from the hole on separator.
(7) Remove the fan motor fixing screw (4 for front/ 5 x 20) to remove the fan motor.
(For the each fan motor on top and under)
(8) Fix the fan motor ① with the screws removed in (7).
(9) Reinstall the other parts by reverse procedure of (1) to (6).

Note:
• Set the tightening torque to the value on the table 1.
• Attach the nuts using adhesive. (Recommend Three Bond 1401C)
• Make sure to hang the fan motor lead wire to the hook of the motor support. (See Fig 3.)

Table 1

	Torque
Nut	5.7±0.3N·m
Screws	3.5±0.2N·m

Fig. 1

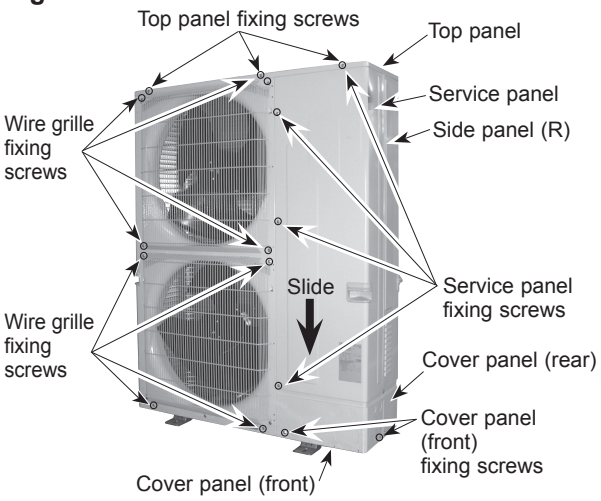


Fig. 2

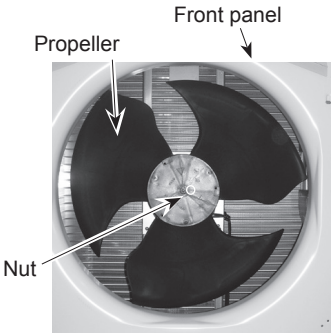


Fig. 3

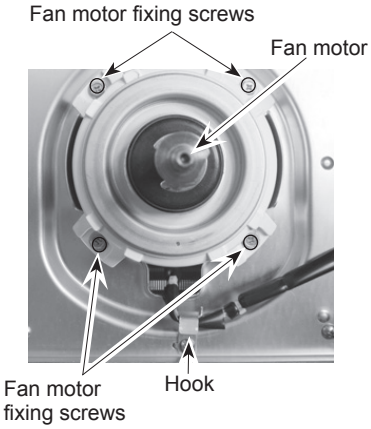
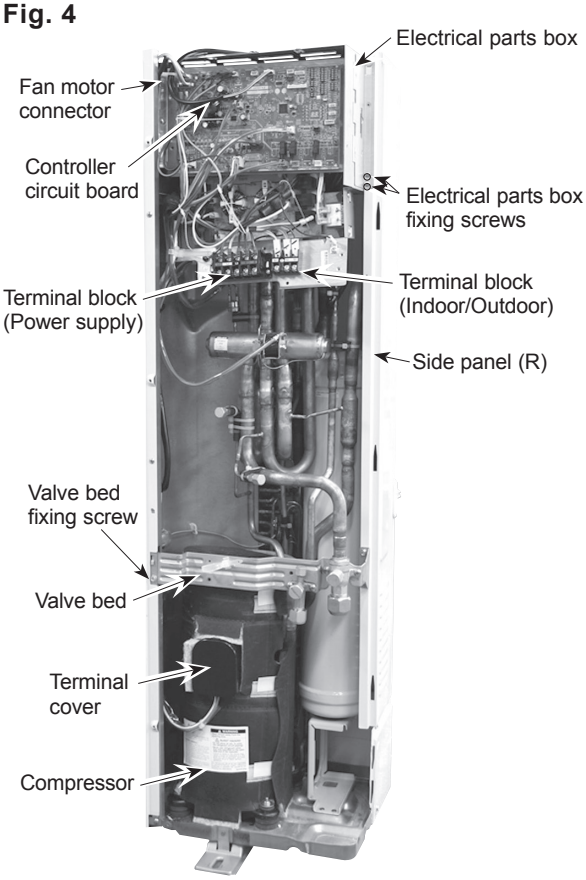
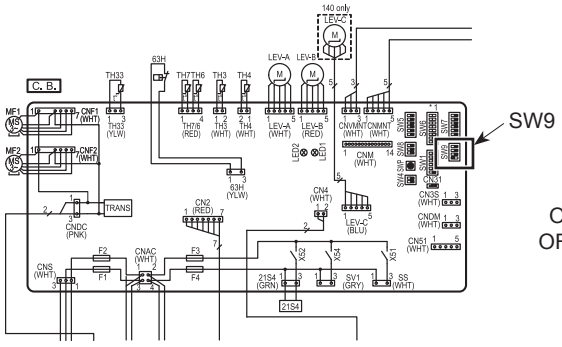


Fig. 4



4. Switch setting

Please turn on the SW9-1 on the outdoor control board.



Remote On/Off Input Signal Adaptor PAC-SC36NA-E

Photo

Descriptions

- This adapter connects the relay circuit and the outdoor unit control board to enable low noise mode or demand function using external input.
- All parts besides the wires for connection (timer, switch, relay, etc.) must be procured locally.

Applicable Models

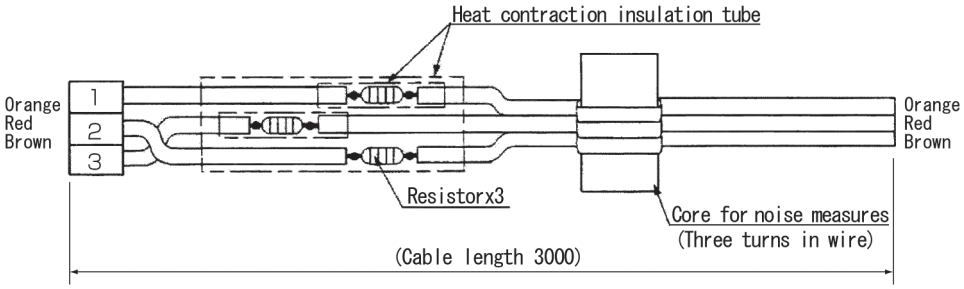
- PUZ-ZM Series
- PUZ-M Series [R32 type]
- PUHZ-ZRP Series
- PUHZ-P Series
- PUHZ-SHW Series [R410A type]

Specifications

Function	Inputs signal of low noise mode or demand function to the outdoor unit control board.
Input signal	No-voltage contact (ON/OFF level signal)
Connector	3P (connector to CNDM, CN3D, CN3S on outdoor unit control board)
Cable type	3-wire cable, for extension: sheathed vinyl cord or cable (0.5 to 1.25mm²)
Cable length	3m (max. 10m when extended locally)

Dimensions

Unit : mm



How to Use / How to Install

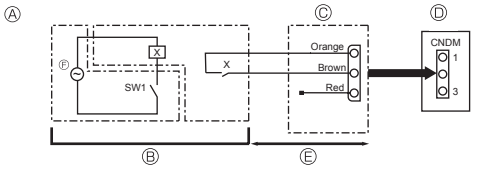


Fig. 1

Ⓐ Circuit diagram example (low noise mode)
Ⓑ On-site arrangement
Ⓒ External input adapter (PAC-SC36NA)
Ⓓ Outdoor unit control board
Ⓔ Max. 10 m
Ⓕ Power supply for relay
X: Relay

Low noise mode (on-site modification) (Fig. 1)

By performing the following modification, operation noise of the outdoor unit can be reduced by about 3-4 dB.
The low noise mode will be activated when a commercially available timer or the contact input of an ON/OFF switch is added to the CNDM connector (option) on the control board of the outdoor unit.

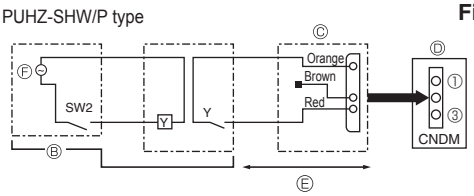
- The ability varies according to the outdoor temperature and conditions, etc.

① Complete the circuit as shown when using the external input adapter (PAC-SC36NA). (Option)
② SW1 ON: Low noise mode
SW1 OFF: Normal operation

Ⓐ

PUHZ-SHW/P type

Fig. 2



PUHZ-ZRP

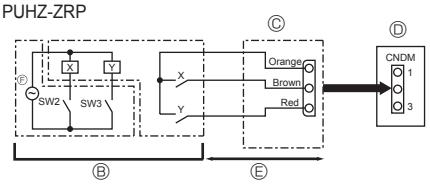


Fig. 3

Ⓐ Circuit diagram example (Demand function)
Ⓑ On-site arrangement
X, Y: Relay
Ⓒ External input adapter (PAC-SC36NA)
Ⓓ Outdoor unit control board
Ⓔ Max. 10 m
Ⓕ Power supply for relay

Demand function (on-site modification) (Fig. 2)(Fig. 3)

By performing the following modification, energy consumption can be reduced to 0 –100% of the normal consumption.
The demand function will be activated when a commercially available timer or the contact input of an ON/OFF switch is added to the CNDM connector (option) on the control board of the outdoor unit.

① Complete the circuit as shown when using the external input adapter (PAC-SC36NA). (Option)
② By setting SW7-1 (and SW7-2) on the control board of the outdoor unit, the energy consumption (compared to the normal consumption) can be limited as shown below.

PUHZ-HRP/P type

SW7-1	SW7-2	Energy consumption (SW2 ON)
OFF	OFF	0% (Stop)
ON	OFF	50%
OFF	ON	75%

MXZ-8A140VA

SW7-1	Power consumption when SW2 is on
OFF	0% (Forced compressor stop)
ON	50%

PUHZ-RP·HA4/KA

SW7-1	SW2	SW3	Energy consumption
ON	OFF	OFF	100%
	ON	OFF	75%
	ON	ON	50%
	OFF	ON	0%(Stop)