

PRODUCT INFORMATION
PUHY-P * * * YNW-A.TH (-BS)
PUHY-EP * * * YNW-A.TH (-BS)
For Europe Regulation

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-P200YNW-A.TH (-BS) Indoor : PEFY-P50VMHS2-E×4 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	22.40	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	335.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	Pdc	22.40	kW	$T_j = +35\text{ °C}$	EER _d	5.28	%
$T_j = +30\text{ °C}$	Pdc	16.51	kW	$T_j = +30\text{ °C}$	EER _d	7.15	%
$T_j = +25\text{ °C}$	Pdc	10.61	kW	$T_j = +25\text{ °C}$	EER _d	11.27	%
$T_j = +20\text{ °C}$	Pdc	9.39	kW	$T_j = +20\text{ °C}$	EER _d	16.54	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.044	kW
Thermostat-off mode	P_{TO}	0.068	kW			0.063	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					10200	m ³ /h
Sound power level, outdoor	L_{WA}	75.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-P200YNW-A.TH (-BS) Indoor : PEFY-P50VMHS2-E×4 units							
Outdoor heat exchanger of heat pump: air							
Indoor heat exchanger of heat pump: air							
Indication if the heater is equipped with a supplementary heater: no							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	25.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	185.0	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	Pdh	22.12	kW	$T_j = -7\text{ °C}$	COP_d	3.03	%
$T_j = +2\text{ °C}$	Pdh	13.45	kW	$T_j = +2\text{ °C}$	COP_d	4.07	%
$T_j = +7\text{ °C}$	Pdh	8.65	kW	$T_j = +7\text{ °C}$	COP_d	7.29	%
$T_j = +12\text{ °C}$	Pdh	5.85	kW	$T_j = +12\text{ °C}$	COP_d	10.68	%
$T_j = \text{bivalent temperature}$	Pdh	23.46	kW	$T_j = \text{bivalent temperature}$	COP_d	2.89	%
$T_j = \text{operation limit}$	Pdh	18.50	kW	$T_j = \text{operation limit}$	COP_d	2.31	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-8.4	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	$co-C_{dh}$	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.000	kW	Electric back-up heating capacity *	elbu	0.000	kW
Thermostat-off mode	P_{TO}	0.068	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.044	kW	Standby mode	P_{SB}	0.063	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	10200	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	78.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-P250YNW-A.TH (-BS) Indoor : PEFY-P63VMHS2-E×4 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	28.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	336.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	28.00	kW	$T_j = +35\text{ °C}$	EER_d	4.84	%
$T_j = +30\text{ °C}$	P_{dc}	20.63	kW	$T_j = +30\text{ °C}$	EER_d	6.70	%
$T_j = +25\text{ °C}$	P_{dc}	13.26	kW	$T_j = +25\text{ °C}$	EER_d	11.59	%
$T_j = +20\text{ °C}$	P_{dc}	10.34	kW	$T_j = +20\text{ °C}$	EER_d	15.58	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.044	kW
Thermostat-off mode	P_{TO}	0.068	kW			0.063	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					11100	m ³ /h
Sound power level, outdoor	L_{WA}	78.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-P250YNW-A.TH (-BS) Indoor : PEFY-P63VMHS2-E×4 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Indication if the heater is equipped with a supplementary heater: no							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	31.50	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	174.0	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	Pdh	27.20	kW	$T_j = -7\text{ °C}$	COP_d	3.00	%
$T_j = +2\text{ °C}$	Pdh	16.96	kW	$T_j = +2\text{ °C}$	COP_d	3.79	%
$T_j = +7\text{ °C}$	Pdh	10.90	kW	$T_j = +7\text{ °C}$	COP_d	6.82	%
$T_j = +12\text{ °C}$	Pdh	5.63	kW	$T_j = +12\text{ °C}$	COP_d	10.06	%
$T_j = \text{bivalent temperature}$	Pdh	27.62	kW	$T_j = \text{bivalent temperature}$	COP_d	2.96	%
$T_j = \text{operation limit}$	Pdh	19.10	kW	$T_j = \text{operation limit}$	COP_d	2.30	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-6.8	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	$CO_2 C_{dh}$	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.000	kW	Electric back-up heating capacity *	elbu	0.000	kW
Thermostat-off mode	P_{TO}	0.068	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.044	kW	Standby mode	P_{SB}	0.063	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	11100	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	80.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-P300YNW-A.TH (-BS) Indoor : PEFY-P50VMHS2-E×6 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	33.50	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	317.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	33.50	kW	$T_j = +35\text{ °C}$	EER_d	4.37	%
$T_j = +30\text{ °C}$	P_{dc}	24.68	kW	$T_j = +30\text{ °C}$	EER_d	5.95	%
$T_j = +25\text{ °C}$	P_{dc}	15.87	kW	$T_j = +25\text{ °C}$	EER_d	10.08	%
$T_j = +20\text{ °C}$	P_{dc}	10.89	kW	$T_j = +20\text{ °C}$	EER_d	16.72	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.063	kW
Thermostat-off mode	P_{TO}	0.069	kW				
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					12000	m ³ /h
Sound power level, outdoor	L_{WA}	80.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-P300YNW-A.TH (-BS) Indoor : PEFY-P50VMHS2-E×6 units			
Outdoor heat exchanger of air conditioner: air			
Indoor heat exchanger of air conditioner: air			
Indication if the heater is equipped with a supplementary heater: no			
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.			
Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	37.50	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	P_{dh}	31.17	kW
$T_j = +2\text{ °C}$	P_{dh}	20.19	kW
$T_j = +7\text{ °C}$	P_{dh}	12.98	kW
$T_j = +12\text{ °C}$	P_{dh}	8.20	kW
$T_j = \text{bivalent temperature}$	P_{dh}	32.74	kW
$T_j = \text{operation limit}$	P_{dh}	21.89	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW
Bivalent temperature	T_{biv}	-6.7	°C
Degradation efficient heat pumps**	CO_2 C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.000	kW
Thermostat-off mode	P_{TO}	0.069	kW
Crankcase heater mode	P_{CK}	0.043	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	83.5	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand		
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Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-P350YNW-A.TH (-BS) Indoor : PEFY-P63VMHS2-E×4 units, PEFY-P50VMHS2-E×2 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	40.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	306.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	40.00	kW	$T_j = +35\text{ °C}$	EER_d	4.05	%
$T_j = +30\text{ °C}$	P_{dc}	29.47	kW	$T_j = +30\text{ °C}$	EER_d	5.51	%
$T_j = +25\text{ °C}$	P_{dc}	18.95	kW	$T_j = +25\text{ °C}$	EER_d	10.01	%
$T_j = +20\text{ °C}$	P_{dc}	11.52	kW	$T_j = +20\text{ °C}$	EER_d	14.84	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.051	kW
Thermostat-off mode	P_{TO}	0.060	kW			0.055	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured		15000	m ³ /h
Sound power level, outdoor	L_{WA}	80.5	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
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Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Indication if the heater is equipped with a supplementary heater: no							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	45.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	156.0	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	Pdh	33.43	kW	$T_j = -7\text{ °C}$	COP_d	2.69	%
$T_j = +2\text{ °C}$	Pdh	24.23	kW	$T_j = +2\text{ °C}$	COP_d	3.35	%
$T_j = +7\text{ °C}$	Pdh	15.58	kW	$T_j = +7\text{ °C}$	COP_d	6.06	%
$T_j = +12\text{ °C}$	Pdh	7.83	kW	$T_j = +12\text{ °C}$	COP_d	9.21	%
$T_j = \text{bivalent temperature}$	Pdh	37.90	kW	$T_j = \text{bivalent temperature}$	COP_d	2.96	%
$T_j = \text{operation limit}$	Pdh	25.45	kW	$T_j = \text{operation limit}$	COP_d	2.37	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-5.9	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	CO_2 C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.000	kW	Electric back-up heating capacity *	elbu	0.000	kW
Thermostat-off mode	P_{TO}	0.060	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.051	kW	Standby mode	P_{SB}	0.055	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	16200	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	83.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
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Model(s): Information to identify the model(s) to which the information relates:							
Outdoor : PUHY-P400YNW-A.TH (-BS) Indoor : PEFY-P71VMHS2-E × 5 units, PEFY-P50VMHS2-E × 1 unit							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	45.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	307.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	45.00	kW	$T_j = +35\text{ °C}$	EER_d	3.92	%
$T_j = +30\text{ °C}$	P_{dc}	33.16	kW	$T_j = +30\text{ °C}$	EER_d	5.74	%
$T_j = +25\text{ °C}$	P_{dc}	21.32	kW	$T_j = +25\text{ °C}$	EER_d	10.06	%
$T_j = +20\text{ °C}$	P_{dc}	15.68	kW	$T_j = +20\text{ °C}$	EER_d	14.33	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.054	kW
Thermostat-off mode	P_{TO}	0.057	kW			0.052	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					16200	m ³ /h
Sound power level, outdoor	L_{WA}	82.5	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-P400YNW-A.TH (-BS) Indoor : PEFY-P71VMHS2-E × 5 units, PEFY-P50VMHS2-E × 1 unit			
Outdoor heat exchanger of air conditioner: air			
Indoor heat exchanger of air conditioner: air			
Indication if the heater is equipped with a supplementary heater: no			
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.			
Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	50.00	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = - 7\text{ °C}$	P_{dh}	35.23	kW
$T_j = + 2\text{ °C}$	P_{dh}	26.92	kW
$T_j = + 7\text{ °C}$	P_{dh}	17.31	kW
$T_j = + 12\text{ °C}$	P_{dh}	9.13	kW
$T_j =$ bivalent temperature	P_{dh}	38.46	kW
$T_j =$ operation limit	P_{dh}	26.59	kW
For air-to-water heat pumps: $T_j = - 15\text{ °C}$ (if P_{dh} $T_{OL} < - 20\text{ °C}$)		-	kW
Bivalent temperature	T_{biv}	-4.0	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.000	kW
Thermostat-off mode	P_{TO}	0.057	kW
Crankcase heater mode	P_{CK}	0.054	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	86.0	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand		

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	148.0	%
Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = - 7\text{ °C}$	COP_d	2.81	%
$T_j = + 2\text{ °C}$	COP_d	3.20	%
$T_j = + 7\text{ °C}$	COP_d	5.93	%
$T_j = + 12\text{ °C}$	COP_d	8.85	%
$T_j =$ bivalent temperature	COP_d	2.90	%
$T_j =$ operation limit	COP_d	2.26	%
For water-to-air heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < - 20\text{ °C}$)	COP_d	-	%
For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Supplementary heater			
Electric back-up heating capacity *	e_{lbu}	0.000	kW
Type of energy input			
Standby mode	P_{SB}	0.052	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured		18000	m ³ /h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	m ³ /h

** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.
Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-P450YNW-A.TH (-BS) Indoor : PEFY-P63VMHS2-E×4 units, PEFY-P50VMHS2-E×4 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	50.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	311.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	50.00	kW	$T_j = +35\text{ °C}$	EER_d	4.09	%
$T_j = +30\text{ °C}$	P_{dc}	36.84	kW	$T_j = +30\text{ °C}$	EER_d	5.96	%
$T_j = +25\text{ °C}$	P_{dc}	23.68	kW	$T_j = +25\text{ °C}$	EER_d	9.72	%
$T_j = +20\text{ °C}$	P_{dc}	16.08	kW	$T_j = +20\text{ °C}$	EER_d	14.47	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.054	kW
Thermostat-off mode	P_{TO}	0.063	kW			0.052	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					17100	m ³ /h
Sound power level, outdoor	L_{WA}	83.5	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-P450YNW-A.TH (-BS) Indoor : PEFY-P63VMHS2-E×4 units, PEFY-P50VMHS2-E×4 units			
Outdoor heat exchanger of air conditioner: air			
Indoor heat exchanger of air conditioner: air			
Indication if the heater is equipped with a supplementary heater: no			
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.			
Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	56.00	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	Pdh	41.20	kW
$T_j = +2\text{ °C}$	Pdh	30.15	kW
$T_j = +7\text{ °C}$	Pdh	19.38	kW
$T_j = +12\text{ °C}$	Pdh	9.28	kW
$T_j =$ bivalent temperature	Pdh	46.74	kW
$T_j =$ operation limit	Pdh	29.46	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW
Bivalent temperature	T_{biv}	-5.7	°C
Degradation efficient heat pumps**	CO_2 - C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.000	kW
Thermostat-off mode	P_{TO}	0.063	kW
Crankcase heater mode	P_{CK}	0.054	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	88.5	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand		
** If C_{dh} is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.			

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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-P500YNW-A.TH (-BS) Indoor : PEFY-P63VMHS2-E×8 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	56.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	303.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	56.00	kW	$T_j = +35\text{ °C}$	EER_d	4.47	%
$T_j = +30\text{ °C}$	P_{dc}	41.26	kW	$T_j = +30\text{ °C}$	EER_d	5.50	%
$T_j = +25\text{ °C}$	P_{dc}	26.53	kW	$T_j = +25\text{ °C}$	EER_d	8.81	%
$T_j = +20\text{ °C}$	P_{dc}	15.30	kW	$T_j = +20\text{ °C}$	EER_d	15.36	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.047	kW
Thermostat-off mode	P_{TO}	0.070	kW			0.059	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					18900	m ³ /h
Sound power level, outdoor	L_{WA}	82.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-P500YNW-A.TH (-BS) Indoor : PEFY-P63VMHS2-E×8 units			
Outdoor heat exchanger of air conditioner: air			
Indoor heat exchanger of air conditioner: air			
Indication if the heater is equipped with a supplementary heater: no			
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.			
Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	63.00	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = - 7\text{ °C}$	P_{dh}	43.09	kW
$T_j = + 2\text{ °C}$	P_{dh}	33.92	kW
$T_j = + 7\text{ °C}$	P_{dh}	21.81	kW
$T_j = + 12\text{ °C}$	P_{dh}	11.20	kW
$T_j =$ bivalent temperature	P_{dh}	47.49	kW
$T_j =$ operation limit	P_{dh}	26.50	kW
For air-to-water heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < - 20\text{ °C}$)		-	kW
Bivalent temperature	T_{biv}	-3.6	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.000	kW
Thermostat-off mode	P_{TO}	0.070	kW
Crankcase heater mode	P_{CK}	0.047	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	85.5	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand		
** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.			

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EP200YNW-A.TH (-BS) Indoor : PEFY-P50VMHS2-E×4 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	22.40	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	358.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	22.40	kW	$T_j = +35\text{ °C}$	EER_d	5.60	%
$T_j = +30\text{ °C}$	P_{dc}	16.51	kW	$T_j = +30\text{ °C}$	EER_d	8.21	%
$T_j = +25\text{ °C}$	P_{dc}	10.61	kW	$T_j = +25\text{ °C}$	EER_d	12.99	%
$T_j = +20\text{ °C}$	P_{dc}	8.53	kW	$T_j = +20\text{ °C}$	EER_d	14.72	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.044	kW
Thermostat-off mode	P_{TO}	0.068	kW			0.063	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					10200	m ³ /h
Sound power level, outdoor	L_{WA}	75.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
<p>** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25.</p> <p>Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.</p>							

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EP200YNW-A.TH (-BS) Indoor : PEFY-P50VMHS2-E×4 units			
Outdoor heat exchanger of air conditioner: air			
Indoor heat exchanger of air conditioner: air			
Indication if the heater is equipped with a supplementary heater: no			
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.			
Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	25.00	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = - 7\text{ °C}$	Pdh	22.12	kW
$T_j = + 2\text{ °C}$	Pdh	13.45	kW
$T_j = + 7\text{ °C}$	Pdh	8.65	kW
$T_j = + 12\text{ °C}$	Pdh	5.91	kW
$T_j =$ bivalent temperature	Pdh	23.56	kW
$T_j =$ operation limit	Pdh	18.66	kW
For air-to-water heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < - 20\text{ °C}$)		-	kW
Bivalent temperature	T_{biv}	-8.5	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.000	kW
Thermostat-off mode	P_{TO}	0.068	kW
Crankcase heater mode	P_{CK}	0.044	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	78.0	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand		
** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.			
Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.			

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EP250YNW-A.TH (-BS) Indoor : PEFY-P63VMHS2-E×4 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	28.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	361.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	28.00	kW	$T_j = +35\text{ °C}$	EER_d	5.10	%
$T_j = +30\text{ °C}$	P_{dc}	20.63	kW	$T_j = +30\text{ °C}$	EER_d	7.72	%
$T_j = +25\text{ °C}$	P_{dc}	13.26	kW	$T_j = +25\text{ °C}$	EER_d	12.99	%
$T_j = +20\text{ °C}$	P_{dc}	10.09	kW	$T_j = +20\text{ °C}$	EER_d	14.83	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.044	kW
Thermostat-off mode	P_{TO}	0.068	kW			0.063	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					11100	m ³ /h
Sound power level, outdoor	L_{WA}	78.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EP250YNW-A.TH (-BS) Indoor : PEFY-P63VMHS2-E×4 units			
Outdoor heat exchanger of air conditioner: air			
Indoor heat exchanger of air conditioner: air			
Indication if the heater is equipped with a supplementary heater: no			
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.			
Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	31.50	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = - 7\text{ °C}$	P_{dh}	27.87	kW
$T_j = + 2\text{ °C}$	P_{dh}	16.96	kW
$T_j = + 7\text{ °C}$	P_{dh}	10.90	kW
$T_j = + 12\text{ °C}$	P_{dh}	5.72	kW
$T_j =$ bivalent temperature	P_{dh}	27.99	kW
$T_j =$ operation limit	P_{dh}	19.29	kW
For air-to-water heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < - 20\text{ °C}$)		-	kW
Bivalent temperature	T_{biv}	-7.1	°C
Degradation coefficient of efficient heat pumps**	C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.000	kW
Thermostat-off mode	P_{TO}	0.068	kW
Crankcase heater mode	P_{CK}	0.044	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	80.0	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand		
** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.			

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EP300YNW-A.TH (-BS) Indoor : PEFY-P50VMHS2-E×6 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	33.50	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	349.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	33.50	kW	$T_j = +35\text{ °C}$	EER_d	4.81	%
$T_j = +30\text{ °C}$	P_{dc}	24.68	kW	$T_j = +30\text{ °C}$	EER_d	7.32	%
$T_j = +25\text{ °C}$	P_{dc}	15.87	kW	$T_j = +25\text{ °C}$	EER_d	11.40	%
$T_j = +20\text{ °C}$	P_{dc}	12.77	kW	$T_j = +20\text{ °C}$	EER_d	15.83	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.043	kW
Thermostat-off mode	P_{TO}	0.069	kW			0.063	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					12000	m ³ /h
Sound power level, outdoor	L_{WA}	80.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EP300YNW-A.TH (-BS) Indoor : PEFY-P50VMHS2-E×6 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Indication if the heater is equipped with a supplementary heater: no							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	37.50	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	169.0	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	Pdh	31.44	kW	$T_j = -7\text{ °C}$	COP_d	2.65	%
$T_j = +2\text{ °C}$	Pdh	20.19	kW	$T_j = +2\text{ °C}$	COP_d	3.96	%
$T_j = +7\text{ °C}$	Pdh	12.98	kW	$T_j = +7\text{ °C}$	COP_d	6.06	%
$T_j = +12\text{ °C}$	Pdh	7.81	kW	$T_j = +12\text{ °C}$	COP_d	10.43	%
$T_j = \text{bivalent temperature}$	Pdh	31.87	kW	$T_j = \text{bivalent temperature}$	COP_d	2.78	%
$T_j = \text{operation limit}$	Pdh	20.40	kW	$T_j = \text{operation limit}$	COP_d	2.19	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-6.1	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.000	kW	Electric back-up heating capacity *	elbu	0.000	kW
Thermostat-off mode	P_{TO}	0.069	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.043	kW	Standby mode	P_{SB}	0.063	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured		14400	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	83.5	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	m ³ /h
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:							
Outdoor : PUHY-EP350YNW-A.TH (-BS) Indoor : PEFY-P63VMHS2-E×4 units, PEFY-P50VMHS2-E×2 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	40.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	338.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	40.00	kW	$T_j = +35\text{ °C}$	EER_d	4.57	%
$T_j = +30\text{ °C}$	P_{dc}	29.47	kW	$T_j = +30\text{ °C}$	EER_d	6.71	%
$T_j = +25\text{ °C}$	P_{dc}	18.95	kW	$T_j = +25\text{ °C}$	EER_d	11.43	%
$T_j = +20\text{ °C}$	P_{dc}	12.36	kW	$T_j = +20\text{ °C}$	EER_d	13.86	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.051	kW
Thermostat-off mode	P_{TO}	0.060	kW			0.055	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					15000	m ³ /h
Sound power level, outdoor	L_{WA}	80.5	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EP350YNW-A.TH (-BS) Indoor : PEFY-P63VMHS2-E×4 units, PEFY-P50VMHS2-E×2 units			
Outdoor heat exchanger of air conditioner: air			
Indoor heat exchanger of air conditioner: air			
Indication if the heater is equipped with a supplementary heater: no			
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.			
Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	45.00	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = - 7\text{ °C}$	Pdh	33.56	kW
$T_j = + 2\text{ °C}$	Pdh	24.23	kW
$T_j = + 7\text{ °C}$	Pdh	15.58	kW
$T_j = + 12\text{ °C}$	Pdh	7.86	kW
$T_j =$ bivalent temperature	Pdh	37.90	kW
$T_j =$ operation limit	Pdh	26.01	kW
For air-to-water heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < - 20\text{ °C}$)		-	kW
Bivalent temperature	T_{biv}	-5.9	°C
Degradation efficient heat pumps**	C_{dh}^{CO-}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.000	kW
Thermostat-off mode	P_{TO}	0.060	kW
Crankcase heater mode	P_{CK}	0.051	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	82.5	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand		
** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.			

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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:							
Outdoor : PUHY-EP400YNW-A.TH (-BS) Indoor : PEFY-P71VMHS2-E×5 units, PEFY-P50VMHS2-E×1 unit							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	45.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	338.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	45.00	kW	$T_j = +35\text{ °C}$	EER_d	4.30	%
$T_j = +30\text{ °C}$	P_{dc}	33.16	kW	$T_j = +30\text{ °C}$	EER_d	7.03	%
$T_j = +25\text{ °C}$	P_{dc}	21.32	kW	$T_j = +25\text{ °C}$	EER_d	10.16	%
$T_j = +20\text{ °C}$	P_{dc}	16.12	kW	$T_j = +20\text{ °C}$	EER_d	16.36	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.054	kW
Thermostat-off mode	P_{TO}	0.057	kW			0.052	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					16200	m ³ /h
Sound power level, outdoor	L_{WA}	82.5	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25.							
Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:			
Outdoor : PUHY-EP400YNW-A.TH (-BS) Indoor : PEFY-P71VMHS2-E×5 units, PEFY-P50VMHS2-E×1 unit			
Outdoor heat exchanger of air conditioner: air			
Indoor heat exchanger of air conditioner: air			
Indication if the heater is equipped with a supplementary heater: no			
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.			
Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	50.00	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	Pdh	35.63	kW
$T_j = +2\text{ °C}$	Pdh	26.92	kW
$T_j = +7\text{ °C}$	Pdh	17.31	kW
$T_j = +12\text{ °C}$	Pdh	9.69	kW
$T_j =$ bivalent temperature	Pdh	41.54	kW
$T_j =$ operation limit	Pdh	25.96	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW
Bivalent temperature	T_{biv}	-5.6	°C
Degradation efficient heat pumps**	C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.000	kW
Thermostat-off mode	P_{TO}	0.057	kW
Crankcase heater mode	P_{CK}	0.054	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	84.5	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand		
** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.			
Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.			

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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:							
Outdoor : PUHY-EP450YNW-A.TH (-BS) Indoor : PEFY-P63VMHS2-E×4 units, PEFY-P50VMHS2-E×4 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	50.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	340.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	50.00	kW	$T_j = +35\text{ °C}$	EER_d	4.50	%
$T_j = +30\text{ °C}$	P_{dc}	36.84	kW	$T_j = +30\text{ °C}$	EER_d	6.42	%
$T_j = +25\text{ °C}$	P_{dc}	23.68	kW	$T_j = +25\text{ °C}$	EER_d	10.54	%
$T_j = +20\text{ °C}$	P_{dc}	14.34	kW	$T_j = +20\text{ °C}$	EER_d	16.31	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.054	kW
Thermostat-off mode	P_{TO}	0.063	kW			0.052	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					17100	m ³ /h
Sound power level, outdoor	L_{WA}	83.5	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:				
Outdoor : PUHY-EP450YNW-A.TH (-BS) Indoor : PEFY-P63VMHS2-E×4 units, PEFY-P50VMHS2-E×4 units				
Outdoor heat exchanger of air conditioner: air				
Indoor heat exchanger of air conditioner: air				
Indication if the heater is equipped with a supplementary heater: no				
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.				
Item	Symbol	Value	Unit	Item
Rated heating capacity	$P_{rated,h}$	56.00	kW	Seasonal space heating energy efficiency
				$\eta_{s,h}$
				152.0
				%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				
$T_j = -7\text{ °C}$	Pdh	38.07	kW	Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j
$T_j = +2\text{ °C}$	Pdh	30.15	kW	$T_j = -7\text{ °C}$
$T_j = +7\text{ °C}$	Pdh	19.38	kW	$T_j = +2\text{ °C}$
$T_j = +12\text{ °C}$	Pdh	10.11	kW	$T_j = +7\text{ °C}$
$T_j = \text{bivalent temperature}$	Pdh	44.37	kW	$T_j = +12\text{ °C}$
$T_j = \text{operation limit}$	Pdh	25.50	kW	$T_j = \text{bivalent temperature}$
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	$T_j = \text{operation limit}$
Bivalent temperature	T_{biv}	-4.6	°C	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)
Degradation coefficient heat pumps**	C_{dh}	0.25	-	For water-to-air heat pumps: Operation limit temperature
Power consumption in modes other than 'active mode'				
Off mode	P_{OFF}	0.000	kW	Supplementary heater
Thermostat-off mode	P_{TO}	0.063	kW	Electric back-up heating capacity *
Crankcase heater mode	P_{CK}	0.054	kW	elbu
				0.000
				kW
				Type of energy input
				Standby mode
				P_{SB}
				0.052
				kW
Other items				
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured
				-
				18300
				m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	88.5	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh	-
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)	-
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand			
** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.				
Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.				

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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EP500YNW-A.TH (-BS) Indoor : PEFY-P63VMHS2-E×8 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	56.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	315.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	56.00	kW	$T_j = +35\text{ °C}$	EER_d	4.51	%
$T_j = +30\text{ °C}$	P_{dc}	41.26	kW	$T_j = +30\text{ °C}$	EER_d	5.44	%
$T_j = +25\text{ °C}$	P_{dc}	26.53	kW	$T_j = +25\text{ °C}$	EER_d	9.71	%
$T_j = +20\text{ °C}$	P_{dc}	15.31	kW	$T_j = +20\text{ °C}$	EER_d	15.69	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.059	kW
Thermostat-off mode	P_{TO}	0.070	kW				
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					18900	m ³ /h
Sound power level, outdoor	L_{WA}	82.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EP500YNW-A.TH (-BS) Indoor : PEFY-P63VMHS2-E×8 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Indication if the heater is equipped with a supplementary heater: no							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	63.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	149.0	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	P_{dh}	41.40	kW	$T_j = -7\text{ °C}$	COP_d	2.56	%
$T_j = +2\text{ °C}$	P_{dh}	33.92	kW	$T_j = +2\text{ °C}$	COP_d	3.27	%
$T_j = +7\text{ °C}$	P_{dh}	21.81	kW	$T_j = +7\text{ °C}$	COP_d	6.01	%
$T_j = +12\text{ °C}$	P_{dh}	11.29	kW	$T_j = +12\text{ °C}$	COP_d	9.14	%
$T_j = \text{bivalent temperature}$	P_{dh}	45.80	kW	$T_j = \text{bivalent temperature}$	COP_d	3.19	%
$T_j = \text{operation limit}$	P_{dh}	28.46	kW	$T_j = \text{operation limit}$	COP_d	2.45	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-2.9	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	CO_2 - C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.000	kW	Electric back-up heating capacity *	$elbu$	0.000	kW
Thermostat-off mode	P_{TO}	0.070	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.047	kW	Standby mode	P_{SB}	0.059	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured		21900	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	85.5	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	m ³ /h
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		2088	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand						
** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

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