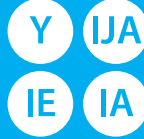


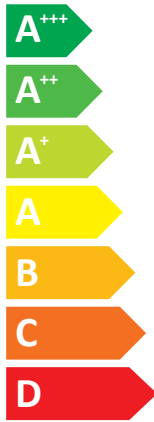


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Model Indoor unit **MSZ-AY50VGK(P)**  
Outdoor unit **MUZ-AY50VG**

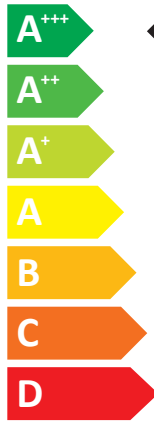
SEER



**A<sup>++</sup>**

kW **5,0**  
SEER **7,5**  
kWh/annum **232**

SCOP



**A<sup>+++</sup>**

**A<sup>++</sup>**

kW	<b>2,3</b>	<b>4,2</b>	X
SCOP	<b>6,1</b>	<b>4,7</b>	X
kWh/annum	<b>523</b>	<b>1248</b>	X



**58dB**



**64dB**



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626/2011





PRODUCT INFORMATION (*1)			
ROOM AIR CONDITIONER	INDOOR MODEL OUTDOOR MODEL	MSZ-AY50VGKP / MSZ-AY50VGK MUZ-AY50VG	
Function (indicate if present)		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
cooling		Y	
heating		Y	
Average (mandatory)			Y
Warmer (if designated)			Y
Colder (if designated)			N
<b>Item</b>	<b>symbol</b>	<b>value</b>	<b>unit</b>
<b>Design load</b>			
cooling	Pdesignc	5.0	kW
heating/Average	Pdesignh	4.2	kW
heating/Warmer	Pdesignh	2.3	kW
heating/Colder	Pdesignh	x	kW
<b>Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj</b>			
Tj=35°C	Pdc	5.0	kW
Tj=30°C	Pdc	3.7	kW
Tj=25°C	Pdc	2.4	kW
Tj=20°C	Pdc	1.5	kW
<b>Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj=-7°C	Pdh	3.8	kW
Tj=2°C	Pdh	2.3	kW
Tj=7°C	Pdh	1.5	kW
Tj=12°C	Pdh	0.9	kW
Tj=bivalent temperature	Pdh	4.2	kW
Tj=operating limit	Pdh	3.0	kW
<b>Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj=2°C	Pdh	2.3	kW
Tj=7°C	Pdh	1.5	kW
Tj=12°C	Pdh	0.9	kW
Tj=bivalent temperature	Pdh	2.3	kW
Tj=operating limit	Pdh	3.0	kW
<b>Declared capacity for heating/Colder season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj=-7°C	Pdh	x	kW
Tj=2°C	Pdh	x	kW
Tj=7°C	Pdh	x	kW
Tj=12°C	Pdh	x	kW
Tj=bivalent temperature	Pdh	x	kW
Tj=operating limit	Pdh	x	kW
Tj=-15°C	Pdh	x	kW
<b>Bivalent temperature</b>			
heating/Average	Tbiv	-10	°C
heating/Warmer	Tbiv	2	°C
heating/Colder	Tbiv	x	°C
<b>Cycling interval capacity</b>			
for cooling	Pcycc	x	kW
for heating	Pcyh	x	kW
Degradation co-efficient cooling	Cdc	0.25	-
<b>Electric power input in power modes other than 'active mode'</b>			
off mode	P <sub>OFF</sub>	1	W
standby mode	P <sub>SB</sub>	1	W
thermostat - off mode	P <sub>TO</sub>	8	W
crankcase heater mode	P <sub>CK</sub>	0	W
<b>Capacity control (indicate one of three options)</b>			
fixed		N	
staged		N	
variable		Y	
Contact details for obtaining more information		MITSUBISHI ELECTRIC CORPORATION SHIZUOKA WORKS 3-18-1, Oshika, Suruga-ku, Shizuoka 422-8528, Japan E-mail: melshierp@MitsubishiElectric.co.jp	
Seasonal efficiency		Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj	
cooling	SEER	7.5	-
heating/Average	SCOP/A	4.7	-
heating/Warmer	SCOP/W	6.1	-
heating/Colder	SCOP/G	x	-
Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature Tj	
Tj=-7°C	COPd	2.9	-
Tj=2°C	COPd	4.7	-
Tj=7°C	COPd	6.1	-
Tj=12°C	COPd	7.2	-
Tj=bivalent temperature	COPd	2.5	-
Tj=operating limit	COPd	1.8	-
Declared coefficient of performance/Colder season, at indoor temperature 20°C and outdoor temperature Tj		Operating limit temperature	
Tj=-7°C	COPd	x	-
Tj=2°C	COPd	x	-
Tj=7°C	COPd	x	-
Tj=12°C	COPd	x	-
Tj=bivalent temperature	COPd	x	-
Tj=operating limit	COPd	x	-
Tj=-15°C	COPd	x	-
heating/Average		Tol	
heating/Warmer		-20	
heating/Colder		x	
for cooling		EERcyc	
for heating		COPcyc	
Degradation co-efficient heating		Cdh	
cooling		Q <sub>CE</sub>	
heating/Average		1248	
heating/Warmer		523	
heating/Colder		x	
Sound power level (indoor/outdoor)		L <sub>WA</sub>	
		58/64	
Global warming potential		GWP (*2)	
		675	
Rated air flow (indoor/outdoor)			
		702/2430	
		m <sup>3</sup> /h	

(\*1) This information is based on the "product information requirement" in COMMISSION REGULATION (EU) No. 206/2012.

(\*2) This GWP value is based on Regulation (EU) No. 517/2014 from IPCC 4th Assessment Report.

For Regulation (EU) No. 626/2011, which cites the IPCC Third Assessment Report, Climate Change 2001, the GWP is 550.

**TECHNICAL DOCUMENTATION (1)**

ROOM AIR CONDITIONER	INDOOR MODEL OUTDOOR MODEL	MSZ-AY50VGK / MSZ-AY50VGK MUZ-AY50VG	299H*798W*245D (mm) 714H*800W*285D (mm)
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Function	
cooling	Y
heating	Y

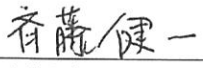
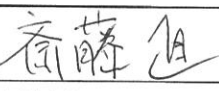
The heating season	
Average (mandatory)	Y
Warmer (if designated)	Y
Colder (if designated)	N

Capacity control	
fixed	N
staged	N
variable	Y

Item	symbol	value	unit
Seasonal efficiency (2)			
cooling	SEER	7.5	-
heating/Average	SCOP/A	4.7	-
heating/Warmer	SCOP/W	6.1	-
heating/Colder	SCOP/C	x	-

Energy efficiency class			
cooling	SEER	A++	-
heating/Average	SCOP/A	A++	-
heating/Warmer	SCOP/W	A+++	-
heating/Colder	SCOP/C	x	-

Other items			
Sound power level (indoor/outdoor)	LWA	58/64	dB (A)
Refrigerant	-	R32	-
Global warming potential	GWP (3)	675	kgCO <sub>2</sub> eq.

[INDOOR MODEL] identification and signature of the person empowered to bind the supplier	 _____ Kenichi Saito Department Manager, Quality Assurance Department Mitsubishi Electric Air Conditioning Systems Manufacturing Turkey Joint Stock Company
[OUTDOOR MODEL] identification and signature of the person empowered to bind the supplier	 _____ Tadashi Saito Department Manager, Quality Assurance Department MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD

(1) This information is based on COMMISSION DELEGATED REGULATION (EU) No. 626/2011.

(2) SEER/SCOP values are measured based on EN 14825:2016: Testing and rating at part load conditions and calculation of seasonal performance.

(3) This GWP value is based on Regulation (EU) No. 517/2014 from IPCC 4th Assessment Report.

For Regulation (EU) No. 626/2011, which cites the IPCC Third Assessment Report, Climate Change 2001, the GWP is 550.