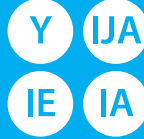


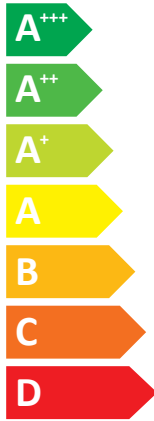


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Model Indoor unit **MSZ-AY50VGK(P)**
Outdoor unit **MUZ-AY50VGH**

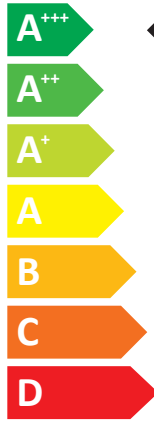
SEER



A⁺⁺

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

SCOP



A⁺⁺⁺

A⁺⁺

kW	2,3	4,2	X
SCOP	6,1	4,6	X
kWh/annum	523	1265	X



58dB



64dB



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626/2011

PRODUCT INFORMATION (*1)			
ROOM AIR CONDITIONER	INDOOR MODEL OUTDOOR MODEL	MSZ-AY50VGP / MSZ-AY50VGH MUZ-AY50VGH	
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	
Item	symbol	value	unit
Design load			
cooling	Pdesignc	5.0	kW
heating/Average	Pdesignh	4.2	kW
heating/Warmer	Pdesignh	2.3	kW
heating/Colder	Pdesignh	x	kW
Item	symbol	value	unit
Seasonal efficiency			
cooling	SEER	7.5	-
heating/Average	SCOP/A	4.6	-
heating/Warmer	SCOP/W	6.1	-
heating/Colder	SCOP/C	x	-
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj		Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj	
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
Tj=35°C	EERd	3.3	-
Tj=30°C	EERd	5.3	-
Tj=25°C	EERd	9.2	-
Tj=20°C	EERd	14.5	-
Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature Tj	
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
Tj=-7°C	COPd	2.7	-
Tj=2°C	COPd	4.7	-
Tj=7°C	COPd	6.1	-
Tj=12°C	COPd	7.2	-
Tj=bivalent temperature	COPd	2.3	-
Tj=operating limit	COPd	1.7	-
Declared capacity for heating/Warmer 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=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
Tj=2°C	COPd	4.7	-
Tj=7°C	COPd	6.1	-
Tj=12°C	COPd	7.2	-
Tj=bivalent temperature	COPd	4.7	-
Tj=operating limit	COPd	1.7	-
Declared capacity for heating/Colder season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance/Colder season, at indoor temperature 20°C and outdoor temperature Tj	
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
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	-
Bivalent temperature		Operating limit temperature	
heating/Average	Tbiv	-10	°C
heating/Warmer	Tbiv	2	°C
heating/Colder	Tbiv	x	°C
heating/Average	Toi	-20	°C
heating/Warmer	Toi	-20	°C
heating/Colder	Toi	x	°C
Cycling interval capacity		Cycling interval efficiency	
for cooling	Pcycc	x	kW
for heating	Pcyhc	x	kW
Degradation co-efficient cooling	Cdc	0.25	-
for cooling	EERcyc	x	-
for heating	COPcyc	x	-
Degradation co-efficient heating	Cdh	0.25	-
Electric power input in power modes other than 'active mode'		Annual electricity consumption	
off mode	P _{OFF}	1	W
standby mode	P _{SB}	1	W
thermostat - off mode	P _{TO}	8	W
crankcase heater mode	P _{CK}	0	W
cooling	Q _{CE}	232	kWh/a
heating/Average	Q _{HE}	1265	kWh/a
heating/Warmer	Q _{HE}	523	kWh/a
heating/Colder	Q _{HE}	x	kWh/a
Capacity control (indicate one of three options)		Other items	
fixed		N	
staged		N	
variable		Y	
Sound power level (indoor/outdoor)	L _{WA}	58/64	dB (A)
Global warming potential	GWP (*2)	675	kgCO ₂ eq.
Rated air flow (indoor/outdoor)	-	702/2430	m ³ /h
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		

(*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-AY50VGH	299H*798W*245D (mm) 714H*800W*285D (mm)
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Function	
cooling	Y
heating	Y


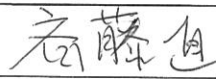
The heating season	
Average (mandatory)	Y
Warmer (if designated)	Y
Colder (if designated)	N

Capacity control	
fixed	N
staged	N
variable	Y

Item	symbol	value	unit
Seasonal efficiency (2)			
cooling	SEER	7.5	-
heating/Average	SCOP/A	4.6	-
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)	L _{WA}	58/64	dB (A)
Refrigerant	-	R32	-
Global warming potential	GWP (3)	675	kgCO ₂ 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.