

PRODUCT INFORMATION (*1)

ROOM AIR CONDITIONER	INDOOR MODEL OUTDOOR MODEL	MSZ-AY25VGKP / MSZ-AY25VGK MUZ-AY25VG	
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	Average (mandatory)	Y
heating	Y	Warmer (if designated)	Y
		Colder (if designated)	N
Item	symbol	value	unit
Design load			
cooling	Pdesignc	2.5	kW
heating/Average	Pdesignh	2.4	kW
heating/Warmer	Pdesignh	1.3	kW
heating/Colder	Pdesignh	x	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	2.5	kW
Tj=30°C	Pdc	1.9	kW
Tj=25°C	Pdc	1.2	kW
Tj=20°C	Pdc	1.0	kW
Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	2.2	kW
Tj=2°C	Pdh	1.3	kW
Tj=7°C	Pdh	0.9	kW
Tj=12°C	Pdh	0.8	kW
Tj=bivalent temperature	Pdh	2.4	kW
Tj=operating limit	Pdh	1.9	kW
Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	Pdh	1.3	kW
Tj=7°C	Pdh	0.9	kW
Tj=12°C	Pdh	0.8	kW
Tj=bivalent temperature	Pdh	1.3	kW
Tj=operating limit	Pdh	1.9	kW
Declared capacity for heating/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
Bivalent temperature			
heating/Average	Tbiv	-10	°C
heating/Warmer	Tbiv	2	°C
heating/Colder	Tbiv	x	°C
Cycling interval capacity			
for cooling	Pcycc	x	kW
for heating	Pcyh	x	kW
Degradation co-efficient cooling	Cdc	0.25	-
Electric power input in power modes other than 'active mode'			
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
Capacity control (indicate one of three options)			
fixed		N	
staged		N	
variable		Y	
Seasonal efficiency		symbol	value
cooling		SEER	8.7
heating/Average		SCOP/A	4.8
heating/Warmer		SCOP/W	5.7
heating/Colder		SCOP/C	x
Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	EERd	4.2	-
Tj=30°C	EERd	6.4	-
Tj=25°C	EERd	11.0	-
Tj=20°C	EERd	16.0	-
Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	COPd	3.2	-
Tj=2°C	COPd	4.9	-
Tj=7°C	COPd	5.9	-
Tj=12°C	COPd	7.0	-
Tj=bivalent temperature	COPd	2.8	-
Tj=operating limit	COPd	2.1	-
Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	COPd	4.9	-
Tj=7°C	COPd	5.9	-
Tj=12°C	COPd	7.0	-
Tj=bivalent temperature	COPd	4.9	-
Tj=operating limit	COPd	2.1	-
Declared coefficient of performance/Colder season, at indoor temperature 20°C and outdoor temperature Tj			
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	-
Operating limit temperature			
heating/Average	Toi	-20	°C
heating/Warmer	Toi	-20	°C
heating/Colder	Toi	x	°C
Cycling interval efficiency			
for cooling	EERcyc	x	-
for heating	COPcyc	x	-
Degradation co-efficient heating	Cdh	0.25	-
Annual electricity consumption			
cooling	Q _{CE}	100	kWh/a
heating/Average	Q _{HE}	697	kWh/a
heating/Warmer	Q _{HE}	319	kWh/a
heating/Colder	Q _{HE}	x	kWh/a
Other items			
Sound power level (indoor/outdoor)	L _{WA}	57/59	dB(A)
Global warming potential	GWP (*2)	675	kgCO ₂ eq.
Rated air flow (indoor/outdoor)	-	630/1932	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-AY25VGKP / MSZ-AY25VGK MUZ-AY25VG	299H*798W*245D (mm) 550H*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	8.7	-
heating/Average	SCOP/A	4.8	-
heating/Warmer	SCOP/W	5.7	-
heating/Colder	SCOP/C	x	-

Energy efficiency class	symbol	value	unit
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}	57/59	dB (A)
Refrigerant	-	R32	-
Global warming potential	GWP (3)	675	kgCO ₂ eq.

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
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(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.