


PRODUCT INFORMATION (*1)				
ROOM AIR CONDITIONER	INDOOR MODEL OUTDOOR MODEL	MSZ-AY42VGKP / MSZ-AY42VGK MUZ-AY42VG		
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	
<b>Item</b>	<b>symbol</b>	<b>value</b>	<b>unit</b>	
<b>Design load</b>				
cooling	Pdesignc	4.2	kW	
heating/Average	Pdesignh	3.8	kW	
heating/Warmer	Pdesignh	2.1	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	4.2	kW	
Tj=30°C	Pdc	3.1	kW	
Tj=25°C	Pdc	2.0	kW	
Tj=20°C	Pdc	1.1	kW	
<b>Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature Tj</b>				
Tj=-7°C	Pdh	3.4	kW	
Tj=2°C	Pdh	2.1	kW	
Tj=7°C	Pdh	1.4	kW	
Tj=12°C	Pdh	0.8	kW	
Tj=bivalent temperature	Pdh	3.8	kW	
Tj=operating limit	Pdh	2.7	kW	
<b>Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature Tj</b>				
Tj=2°C	Pdh	2.1	kW	
Tj=7°C	Pdh	1.4	kW	
Tj=12°C	Pdh	0.8	kW	
Tj=bivalent temperature	Pdh	2.1	kW	
Tj=operating limit	Pdh	2.7	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	Pcyc	x	kW	
for heating	Pcyc	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			
<b>Annual electricity consumption</b>				
cooling	Q <sub>CE</sub>	186	kWh/a	
heating/Average	Q <sub>HE</sub>	1131	kWh/a	
heating/Warmer	Q <sub>HE</sub>	495	kWh/a	
heating/Colder	Q <sub>HE</sub>	x	kWh/a	
<b>Other items</b>				
Sound power level (indoor/outdoor)	L <sub>WA</sub>	57/61	dB (A)	
Global warming potential	GWP (*2)	675	kgCO <sub>2</sub> eq.	
Rated air flow (indoor/outdoor)	-	630/1920	m <sup>3</sup> /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 <sup>(1)</sup>			
ROOM AIR CONDITIONER	INDOOR MODEL OUTDOOR MODEL	MSZ-AY42VGKP / MSZ-AY42VGK MUZ-AY42VG	299H*798W*245D (mm) 550H*800W*285D (mm)
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 <sup>(2)</sup>			
cooling	SEER	7.9	-
heating/Average	SCOP/A	4.7	-
heating/Warmer	SCOP/W	5.9	-
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 <sub>WA</sub>	57/61	dB (A)
Refrigerant	-	R32	-
Global warming potential	GWP <sup>(3)</sup>	675	kgCO <sub>2</sub> eq.
identification and signature of the person empowered to bind the supplier	<div style="text-align: center;">             Kenichi Saito            Department Manager,            Quality Assurance Department            Mitsubishi Electric Air Conditioning Systems Manufacturing Turkey Joint Stock Company         </div>		

(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.