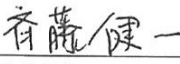
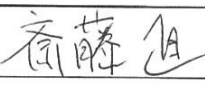


PRODUCT INFORMATION (*1)				
ROOM AIR CONDITIONER	INDOOR MODEL OUTDOOR MODEL	MSZ-AY50VGP / MSZ-AY50VGK MUZ-AY50VG		
Function (indicate if present)		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.		
cooling	Y	Average (mandatory) Y		
heating	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	
Declared capacity for cooling, 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	
Declared capacity for heating/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	
Declared capacity for heating/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	
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	Pcyc	x	kW	
for heating	Pcyc	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			
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'.				
Average (mandatory)		Y		
Warmer (if designated)		Y		
Colder (if designated)		N		
Item	symbol	value	unit	
Seasonal efficiency				
cooling	SEER	7.5	-	
heating/Average	SCOP/A	4.7	-	
heating/Warmer	SCOP/W	6.1	-	
heating/Colder	SCOP/C	x	-	
Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj				
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 coefficient of performance/Average 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/Warmer season, at indoor temperature 20°C and outdoor temperature Tj				
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	1.8	-	
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	Tol	-20	°C	
heating/Warmer	Tol	-20	°C	
heating/Colder	Tol	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}	232	kWh/a	
heating/Average	Q _{HE}	1248	kWh/a	
heating/Warmer	Q _{HE}	523	kWh/a	
heating/Colder	Q _{HE}	x	kWh/a	
Other items				
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⁾																																																															
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[INDOOR MODEL] 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>																																																														
[OUTDOOR MODEL] identification and signature of the person empowered to bind the supplier	<div style="text-align: center;">  Tadashi Saito Department Manager, Quality Assurance Department MITSUBISHI ELECTRIC CONSUMER PRODUCTS(THAILAND) CO.,LTD </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.