

PRODUCT INFORMATION (*1)				
ROOM AIR CONDITIONER	INDOOR MODEL OUTDOOR MODEL	MSZ-AY20VGKP / MSZ-AY20VGK MUZ-AY20VG		
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	2.0	kW	
heating/Average	Pdesignh	2.3	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	2.0	kW	
Tj=30°C	Pdc	1.5	kW	
Tj=25°C	Pdc	1.0	kW	
Tj=20°C	Pdc	0.9	kW	
Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature Tj				
Tj=-7°C	Pdh	2.1	kW	
Tj=2°C	Pdh	1.3	kW	
Tj=7°C	Pdh	0.8	kW	
Tj=12°C	Pdh	0.5	kW	
Tj=bivalent temperature	Pdh	2.3	kW	
Tj=operating limit	Pdh	1.8	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	0.8	kW	
Tj=12°C	Pdh	0.5	kW	
Tj=bivalent temperature	Pdh	1.3	kW	
Tj=operating limit	Pdh	1.8	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				
cooling	SEER	8.6	-	
heating/Average	SCOP/A	4.2	-	
heating/Warmer	SCOP/W	5.2	-	
heating/Colder	SCOP/C	x	-	
Declared energy efficiency ratio, at indoor temperature 27(19) °C and outdoor temperature Tj				
Tj=35°C	EERd	4.4	-	
Tj=30°C	EERd	6.5	-	
Tj=25°C	EERd	10.6	-	
Tj=20°C	EERd	16.3	-	
Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature Tj				
Tj=-7°C	COPd	2.7	-	
Tj=2°C	COPd	4.2	-	
Tj=7°C	COPd	5.4	-	
Tj=12°C	COPd	5.9	-	
Tj=bivalent temperature	COPd	2.3	-	
Tj=operating limit	COPd	1.9	-	
Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature Tj				
Tj=2°C	COPd	4.2	-	
Tj=7°C	COPd	5.4	-	
Tj=12°C	COPd	5.9	-	
Tj=bivalent temperature	COPd	4.2	-	
Tj=operating limit	COPd	1.9	-	
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}	81	kWh/a	
heating/Average	Q _{HE}	766	kWh/a	
heating/Warmer	Q _{HE}	350	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)	-	395/1932	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	MSZ-AY20VGKP / MSZ-AY20VGK	250H*760W*199D (mm)
	OUTDOOR MODEL	MUZ-AY20VG	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 (2)			
cooling	SEER	8.6	-
heating/Average	SCOP/A	4.2	-
heating/Warmer	SCOP/W	5.2	-
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}	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	<i>7 Aug. 2023</i> 		
	Kunihiro Morishita 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.