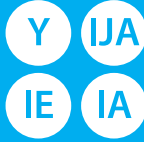




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Model Indoor unit
Outdoor unit

MSZ-AP20VG
MUZ-AP20VG

SEER



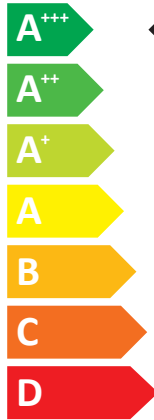
A+++

kW **2,0**

SEER **8,6**

kWh/annum **81**

SCOP



A+++

A+

kW **1,3**

SCOP **5,2**

kWh/annum **350**

2,3

4,2

766

X

X

X



60dB



59dB



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626/2011

JG79J464H01

PRODUCT INFORMATION (*)

ROOM AIR CONDITIONER	INDOOR MODEL	MSZ-AP20VG / MSZ-AP20VGK
	OUTDOOR MODEL	MUZ-AP20VG

Function (indicate if present)	
cooling	Y
heating	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
Design load			
cooling	P _{designc}	2.0	kW
heating/Average	P _{designh}	2.3	kW
heating/Warmer	P _{designh}	1.3	kW
heating/Colder	P _{designh}	x	kW

Item	symbol	value	unit
Seasonal efficiency			
cooling	SEER	8.6	-
heating/Average	SCOP/A	4.2	-
heating/Warmer	SCOP/W	5.2	-
heating/Colder	SCOP/C	x	-

Declared cE _{Facility} for cooling, at indoor temperature 27(19)°C and outdoor temperature T _j			
T _j =35°C	P _{dc}	2.0	kW
T _j =30°C	P _{dc}	1.5	kW
T _j =25°C	P _{dc}	1.0	kW
T _j =20°C	P _{dc}	0.8	kW

Declared energy efficiency ratio, at indoor temperature 27(19) °C and outdoor temperature T _j			
T _j =35°C	EER _d	4.4	-
T _j =30°C	EER _d	6.4	-
T _j =25°C	EER _d	10.6	-
T _j =20°C	EER _d	16.3	-

Declared cE _{Facility} for heating/Average season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =-7°C	P _{dh}	2.1	kW
T _j =2°C	P _{dh}	1.3	kW
T _j =7°C	P _{dh}	0.8	kW
T _j =12°C	P _{dh}	0.5	kW
T _j =bivalent temperature	P _{dh}	2.3	kW
T _j =operating limit	P _{dh}	2.2	kW

Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =-7°C	COP _d	2.7	-
T _j =2°C	COP _d	4.2	-
T _j =7°C	COP _d	5.4	-
T _j =12°C	COP _d	5.9	-
T _j =bivalent temperature	COP _d	2.3	-
T _j =operating limit	COP _d	2.2	-

Declared cE _{Facility} for heating/Warmer season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =2°C	P _{dh}	1.3	kW
T _j =7°C	P _{dh}	0.8	kW
T _j =12°C	P _{dh}	0.5	kW
T _j =bivalent temperature	P _{dh}	1.3	kW
T _j =operating limit	P _{dh}	2.2	kW

Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =2°C	COP _d	4.2	-
T _j =7°C	COP _d	5.4	-
T _j =12°C	COP _d	5.9	-
T _j =bivalent temperature	COP _d	4.2	-
T _j =operating limit	COP _d	2.2	-

Declared cE _{Facility} for heating/Colder season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =-7°C	P _{dh}	x	kW
T _j =2°C	P _{dh}	x	kW
T _j =7°C	P _{dh}	x	kW
T _j =12°C	P _{dh}	x	kW
T _j =bivalent temperature	P _{dh}	x	kW
T _j =operating limit	P _{dh}	x	kW
T _j =-15°C	P _{dh}	x	kW

Declared coefficient of performance/Colder season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =-7°C	COP _d	x	-
T _j =2°C	COP _d	x	-
T _j =7°C	COP _d	x	-
T _j =12°C	COP _d	x	-
T _j =bivalent temperature	COP _d	x	-
T _j =operating limit	COP _d	x	-
T _j =-15°C	COP _d	x	-

Bivalent temperature			
heating/Average	T _{biv}	-10	°C
heating/Warmer	T _{biv}	2	°C
heating/Colder	T _{biv}	x	°C

Operating limit temperature			
heating/Average	T _{ol}	-15	°C
heating/Warmer	T _{ol}	-15	°C
heating/Colder	T _{ol}	x	°C

Cycling interval cE_{Facility}			
for cooling	P _{cycc}	x	kW
for heating	P _{cyhc}	x	kW
Degradation co-efficient cooling	C _{dc}	0.25	-

Cycling interval efficiency			
for cooling	EER _{cycc}	x	-
for heating	COP _{cyhc}	x	-
Degradation co-efficient heating	C _{dh}	0.25	-

Electric power input in power modes other than 'active mode'			
off mode	P _{OFF}	1.0	W
standby mode	P _{SB}	1.0	W
thermostat - off mode	P _{TO}	8.0	W
crankcase heater mode	P _{CK}	0.0	W

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

CE_{Facility} control (indicate one of three options)	
fixed	N
staged	N
variable	Y

Other items			
Sound power level (indoor/outdoor)	L _{WA}	60/59	dB(A)
Global warming potential	GWP	550	kgCO ₂ eq.
Rated air flow (indoor/outdoor)	-	414/1932	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
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(*) This information is based on the "product information requirement" in COMMISSION REGULATION (EU) No206/2012.

TECHNICAL DOCUMENTATION (1)

ROOM AIR CONDITIONER	INDOOR MODEL	MSZ-AP20VG / MSZ-AP20VGK	250H*760W*178D (mm)
	OUTDOOR MODEL	MUZ-AP20VG	550H*800W*285D (mm)

Function	
cooling	Y
heating	Y

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

CEFacility 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}	60/59	dB(A)
Refrigerant	-	R32	-
Global warming potential	GWP	550	kgCO ₂ eq.

identification and signature of the person empowered to bind the supplier	
	Akira Hidaka Department Manager, Quality Assurance Department MITSUBISHI ELECTRIC CONSUMER PRODUCTS(THAILAND) CO.,LTD

(1) This information is based on COMMISSION DELEGATED REGULATION (EU)No626/2011.

(2) SEER/SCOP values are measured based on FprEN 14825:2016: Testing and rating at part load conditions and calculation of seasonal performance.