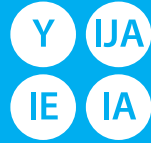




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Model Indoor unit **MSZ-AP50VG**
Outdoor unit **MUZ-AP50VG**

SEER



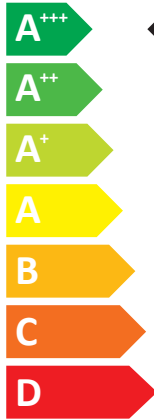
A⁺⁺

kW 5,0

SEER 7,4

kWh/annum 236

SCOP



A⁺⁺⁺

A⁺⁺

kW 2,3

SCOP 5,9

kWh/annum 543

4,2

4,7

1250

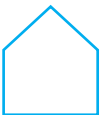
X

X

X



58dB



64dB



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626/2011

JG79J029H01

PRODUCT INFORMATION (*)

ROOM AIR CONDITIONER	INDOOR MODEL	MSZ-AP50VG
	OUTDOOR MODEL	MUZ-AP50VG

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}	5,0	kW
heating/Average	P _{designh}	4,2	kW
heating/Warmer	P _{designh}	2,3	kW
heating/Colder	P _{designh}	x	kW

Item	symbol	value	unit
Seasonal efficiency			
cooling	SEER	7,4	-
heating/Average	SCOP/A	4,7	-
heating/Warmer	SCOP/W	5,9	-
heating/Colder	SCOP/C	x	-

Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature T _j			
T _j =35°C	P _{dc}	5,0	kW
T _j =30°C	P _{dc}	3,7	kW
T _j =25°C	P _{dc}	2,4	kW
T _j =20°C	P _{dc}	1,3	kW

Declared energy efficiency ratio, at indoor temperature 27(19) °C and outdoor temperature T _j			
T _j =35°C	EERd	3,3	-
T _j =30°C	EERd	5,3	-
T _j =25°C	EERd	9,3	-
T _j =20°C	EERd	12,5	-

Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =-7°C	P _{dh}	3,8	kW
T _j =2°C	P _{dh}	2,3	kW
T _j =7°C	P _{dh}	1,4	kW
T _j =12°C	P _{dh}	0,8	kW
T _j =bivalent temperature	P _{dh}	4,2	kW
T _j =operating limit	P _{dh}	4,7	kW

Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =-7°C	COPd	3,0	-
T _j =2°C	COPd	4,7	-
T _j =7°C	COPd	6,0	-
T _j =12°C	COPd	6,6	-
T _j =bivalent temperature	COPd	2,6	-
T _j =operating limit	COPd	2,18	-

Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =2°C	P _{dh}	2,3	kW
T _j =7°C	P _{dh}	1,4	kW
T _j =12°C	P _{dh}	0,8	kW
T _j =bivalent temperature	P _{dh}	2,3	kW
T _j =operating limit	P _{dh}	4,7	kW

Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =2°C	COPd	4,7	-
T _j =7°C	COPd	6,0	-
T _j =12°C	COPd	6,6	-
T _j =bivalent temperature	COPd	4,7	-
T _j =operating limit	COPd	2,18	-

Declared capacity 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	COPd	x	-
T _j =2°C	COPd	x	-
T _j =7°C	COPd	x	-
T _j =12°C	COPd	x	-
T _j =bivalent temperature	COPd	x	-
T _j =operating limit	COPd	x	-
T _j =-15°C	COPd	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	Tol	-15	°C
heating/Warmer	Tol	-15	°C
heating/Colder	Tol	x	°C

Cycling interval capacity			
for cooling	P _{cycc}	x	kW
for heating	P _{cyh}	x	kW
Degradation co-efficient cooling	C _{dc}	0,25	-

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



Annual electricity consumption			
cooling	Q _{CE}	236	kWh/a
heating/Average	Q _{HE}	1250	kWh/a
heating/Warmer	Q _{HE}	543	kWh/a
heating/Colder	Q _{HE}	x	kWh/a

Capacity control (indicate one of three options)	
fixed	N
staged	N
variable	Y

Other items			
Sound power level (indoor/outdoor)	L _{WA}	58/64	dB(A)
Global warming potential	GWP	550	kgCO ₂ eq.
Rated air flow (indoor/outdoor)	-	756/2430	m ³ /h

Contact details for obtaining more information	Name and address of the manufacturer or of its authorized representative.
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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-AP50VG	299H*798W*219D (mm)
	OUTDOOR MODEL	MUZ-AP50VG	714H*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	7,4	-
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 _{WA}	58/64	dB(A)
Refrigerant	-	R32	-
Global warming potential	GWP	550	kgCO ₂ eq.
[INDOOR MODEL] identification and signature of the person empowered to bind the supplier	 Selin Domekeli Chief, Quality Assurance Department Mitsubishi Electric Air Conditioning Systems Manufacturing Turkey Joint Stock Company		
	[OUTDOOR MODEL] 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 14825:2011: Testing and rating at part load conditions and calculation of seasonal performance.