

PRODUCT INFORMATION (*)

ROOM AIR CONDITIONER	INDOOR MODEL	MSZ-FH50VE
	OUTDOOR MODEL	MUZ-FH50VE

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 (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}	4.5	kW
heating/Warmer	P _{designh}	2.5	kW
heating/Colder	P _{designh}	x	kW

Item	symbol	value	unit
Seasonal efficiency			
cooling	SEER	7.2	-
heating/Average	SCOP/A	4.6	-
heating/Warmer	SCOP/W	5.7	-
heating/Colder	SCOP/C	x	-

Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	P _{dc}	5.0	kW
Tj=30°C	P _{dc}	3.7	kW
Tj=25°C	P _{dc}	2.5	kW
Tj=20°C	P _{dc}	2.6	kW

Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	EERd	3.6	-
Tj=30°C	EERd	5.5	-
Tj=25°C	EERd	8.8	-
Tj=20°C	EERd	11.7	-

Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	P _{dh}	4.0	kW
Tj=2°C	P _{dh}	2.5	kW
Tj=7°C	P _{dh}	2.1	kW
Tj=12°C	P _{dh}	2.5	kW
Tj=bivalent temperature	P _{dh}	4.5	kW
Tj=operating limit	P _{dh}	5.2	kW

Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	COPd	3.2	-
Tj=2°C	COPd	4.5	-
Tj=7°C	COPd	6.1	-
Tj=12°C	COPd	7.3	-
Tj=bivalent temperature	COPd	2.9	-
Tj=operating limit	COPd	1.8	-

Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	P _{dh}	2.5	kW
Tj=7°C	P _{dh}	2.1	kW
Tj=12°C	P _{dh}	2.5	kW
Tj=bivalent temperature	P _{dh}	2.5	kW
Tj=operating limit	P _{dh}	5.2	kW

Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	COPd	4.5	-
Tj=7°C	COPd	6.1	-
Tj=12°C	COPd	7.3	-
Tj=bivalent temperature	COPd	4.5	-
Tj=operating limit	COPd	1.8	-

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

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	-

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 capacity			
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	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 _{TD}	10	W
crankcase heater mode	P _{CK}	0	W

Annual electricity consumption			
cooling	Q _{CE}	244	kWh/a
heating/Average	Q _{HE}	1372	kWh/a
heating/Warmer	Q _{HE}	614	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}	60/64	dB(A)
Global warming potential	GWP	1975	kgCO ₂ eq
Rated air flow (indoor/outdoor)	-	744/2928	m ³ /h

Contact details for obtaining more information	MITSUBISHI ELECTRIC CORPORATION SHIZUOKA WORKS 3-18-1, Oshika, Suruga-ku, Shizuoka 422-8628, Japan E-mail: melshior@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)			
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ROOM AIR CONDITIONER	INDOOR MODEL	MSZ-FH50VE	305(+17)H925W234D (mm)
	OUTDOOR MODEL	MUZ-FH50VE	880H840W330D (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	7.2	-
heating/Average	SCOP/A	4.6	-
heating/Warmer	SCOP/W	5.7	-
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)	LWA	60/64	dB(A)
Refrigerant	-	R410A	-
Global warming potential	GWP	1975	kgCO ₂ eq.

Identification and signature of the person empowered to bind the supplier	
	Tomoyuki Miwa 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 14825:2011: Testing and rating at part load conditions and calculation of seasonal performance