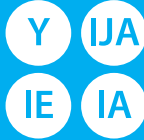




# ENERG

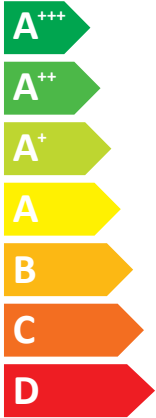
енергия · ενεργεια



Model Indoor unit  
Outdoor unit

**MSZ-EF50VG**  
**MUZ-EF50VG**

SEER



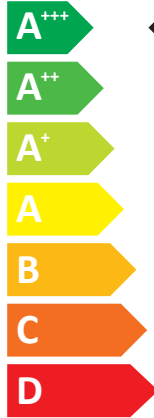
**A<sup>++</sup>**

kW 5,0

SEER 7,5

kWh/annum 233

SCOP



**A<sup>+++</sup>**

**A<sup>+</sup>**

kW 2,3      4,2      X

SCOP 5,4      4,5      X

kWh/annum 595      1304      X



**60dB**



**65dB**



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626/2011

JG79J268H01







**PRODUCT INFORMATION (\*)**

ROOM AIR CONDITIONER	INDOOR MODEL	MSZ-EF50VGW / MSZ-EF50VGS / MSZ-EF50VGB
	OUTDOOR MODEL	MSZ-EF50VGKW / MSZ-EF50VGKS / MSZ-EF50VGKB
		MUZ-EF50VG

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
<b>Design load</b>			
cooling	P <sub>designc</sub>	5.0	kW
heating/Average	P <sub>designh</sub>	4.2	kW
heating/Warmer	P <sub>designh</sub>	2.3	kW
heating/Colder	P <sub>designh</sub>	x	kW

Item	symbol	value	unit
<b>Seasonal efficiency</b>			
cooling	SEER	7.5	-
heating/Average	SCOP/A	4.5	-
heating/Warmer	SCOP/W	5.4	-
heating/Colder	SCOP/C	x	-

Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> =35°C	P <sub>dc</sub>	5.0	kW
T <sub>j</sub> =30°C	P <sub>dc</sub>	3.7	kW
T <sub>j</sub> =25°C	P <sub>dc</sub>	2.4	kW
T <sub>j</sub> =20°C	P <sub>dc</sub>	1.6	kW

Declared energy efficiency ratio, at indoor temperature 27(19) °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> =35°C	EERd	3.3	-
T <sub>j</sub> =30°C	EERd	5.3	-
T <sub>j</sub> =25°C	EERd	8.5	-
T <sub>j</sub> =20°C	EERd	16.5	-

Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> =-7°C	P <sub>dh</sub>	3.8	kW
T <sub>j</sub> =2°C	P <sub>dh</sub>	2.3	kW
T <sub>j</sub> =7°C	P <sub>dh</sub>	1.4	kW
T <sub>j</sub> =12°C	P <sub>dh</sub>	0.7	kW
T <sub>j</sub> =bivalent temperature	P <sub>dh</sub>	4.2	kW
T <sub>j</sub> =operating limit	P <sub>dh</sub>	3.5	kW

Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> =-7°C	COPd	2.8	-
T <sub>j</sub> =2°C	COPd	4.6	-
T <sub>j</sub> =7°C	COPd	5.8	-
T <sub>j</sub> =12°C	COPd	5.4	-
T <sub>j</sub> =bivalent temperature	COPd	2.5	-
T <sub>j</sub> =operating limit	COPd	1.9	-

Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> =2°C	P <sub>dh</sub>	2.3	kW
T <sub>j</sub> =7°C	P <sub>dh</sub>	1.4	kW
T <sub>j</sub> =12°C	P <sub>dh</sub>	0.7	kW
T <sub>j</sub> =bivalent temperature	P <sub>dh</sub>	2.3	kW
T <sub>j</sub> =operating limit	P <sub>dh</sub>	3.5	kW

Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> =2°C	COPd	4.6	-
T <sub>j</sub> =7°C	COPd	5.8	-
T <sub>j</sub> =12°C	COPd	5.4	-
T <sub>j</sub> =bivalent temperature	COPd	4.6	-
T <sub>j</sub> =operating limit	COPd	1.9	-

Declared capacity for heating/Colder season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> =-7°C	P <sub>dh</sub>	x	kW
T <sub>j</sub> =2°C	P <sub>dh</sub>	x	kW
T <sub>j</sub> =7°C	P <sub>dh</sub>	x	kW
T <sub>j</sub> =12°C	P <sub>dh</sub>	x	kW
T <sub>j</sub> =bivalent temperature	P <sub>dh</sub>	x	kW
T <sub>j</sub> =operating limit	P <sub>dh</sub>	x	kW
T <sub>j</sub> =-15°C	P <sub>dh</sub>	x	kW

Declared coefficient of performance/Colder season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> =-7°C	COPd	x	-
T <sub>j</sub> =2°C	COPd	x	-
T <sub>j</sub> =7°C	COPd	x	-
T <sub>j</sub> =12°C	COPd	x	-
T <sub>j</sub> =bivalent temperature	COPd	x	-
T <sub>j</sub> =operating limit	COPd	x	-
T <sub>j</sub> =-15°C	COPd	x	-

<b>Bivalent temperature</b>			
heating/Average	T <sub>biv</sub>	-10	°C
heating/Warmer	T <sub>biv</sub>	2	°C
heating/Colder	T <sub>biv</sub>	x	°C

<b>Operating limit temperature</b>			
heating/Average	T <sub>ol</sub>	-15	°C
heating/Warmer	T <sub>ol</sub>	-15	°C
heating/Colder	T <sub>ol</sub>	x	°C

<b>Cycling interval capacity</b>			
for cooling	P <sub>cycc</sub>	x	kW
for heating	P <sub>cyh</sub>	x	kW
Degradation co-efficient cooling	C <sub>dc</sub>	0.25	-

<b>Cycling interval efficiency</b>			
for cooling	EER <sub>cycc</sub>	x	-
for heating	COP <sub>cyh</sub>	x	-
Degradation co-efficient heating	C <sub>dh</sub>	0.25	-

<b>Electric power input in power modes other than 'active mode'</b>			
off mode	P <sub>OFF</sub>	1.0	W
standby mode	P <sub>SB</sub>	1.0	W
thermostat - off mode	P <sub>TO</sub>	8.0	W
crankcase heater mode	P <sub>CK</sub>	0.0	W

<b>Annual electricity consumption</b>			
cooling	Q <sub>CE</sub>	233	kWh/a
heating/Average	Q <sub>HE</sub>	1304	kWh/a
heating/Warmer	Q <sub>HE</sub>	595	kWh/a
heating/Colder	Q <sub>HE</sub>	x	kWh/a

<b>Capacity control (indicate one of three options)</b>	
fixed	N
staged	N
variable	Y

<b>Other items</b>			
Sound power level (indoor/outdoor)	L <sub>WA</sub>	60/65	dB(A)
Global warming potential	GWP	550	kgCO <sub>2</sub> eq.
Rated air flow (indoor/outdoor)	-	678/2412	m <sup>3</sup> /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-EP50VGW / MSZ-EP50VGS / MSZ-EF50VGB	299H*885W*195D (mm)
	OUTDOOR MODEL	MSZ-EE50V/GKW / MSZ-EE50V/GKS / MUZ-EF50VG	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
<b>Seasonal efficiency (2)</b>			
cooling	SEER	7.5	-
heating/Average	SCOP/A	4.5	-
heating/Warmer	SCOP/W	5.4	-
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 <sub>WA</sub>	60/65	dB(A)
Refrigerant	-	R32	-
Global warming potential	GWP	550	kgCO <sub>2</sub> 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
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(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.