



# ENERG

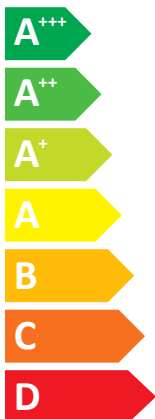
енергия · ενεργεια



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**



ENERGIA · ЕНЕРГИЯ · ΕΝΕΡΓΕΙΑ · ENERGIJA · ENERGY · ENERGIE · ENERGI

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	-

<b>Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature T<sub>j</sub></b>			
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

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

<b>Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature T<sub>j</sub></b>			
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

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

<b>Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature T<sub>j</sub></b>			
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

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

<b>Declared capacity for heating/Colder season, at indoor temperature 20°C and outdoor temperature T<sub>j</sub></b>			
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

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

(\*) 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-FF50V/GKW / MSZ-FF50V/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

(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.