





**PRODUCT INFORMATION (\*1)**

ROOM AIR CONDITIONER	INDOOR MODEL	MSZ-LN50VG2W
		MSZ-LN50VG2V
		MSZ-LN50VG2B
		MSZ-LN50VG2R
	OUTDOOR MODEL	MUZ-LN50VG2

Function (indicate if present)		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'.	
cooling	Y	Average (mandatory)	Y
heating	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>	4.5	kW
heating/Warmer	P <sub>designh</sub>	2.5	kW
heating/Colder	P <sub>designh</sub>	x	kW

Item	symbol	value	unit
<b>Seasonal efficiency</b>			
cooling	SEER	8.5	-
heating/Average	SCOP/A	4.6	-
heating/Warmer	SCOP/W	5.8	-
heating/Colder	SCOP/C	x	-

<b>Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj</b>			
Tj=35°C	P <sub>dc</sub>	5.0	kW
Tj=30°C	P <sub>dc</sub>	3.7	kW
Tj=25°C	P <sub>dc</sub>	2.4	kW
Tj=20°C	P <sub>dc</sub>	1.3	kW

<b>Declared energy efficiency ratio, at indoor temperature 27(19) °C and outdoor temperature Tj</b>			
Tj=35°C	EERd	3.7	-
Tj=30°C	EERd	5.9	-
Tj=25°C	EERd	10.1	-
Tj=20°C	EERd	18.0	-

<b>Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj=-7°C	P <sub>dh</sub>	4.0	kW
Tj=2°C	P <sub>dh</sub>	2.5	kW
Tj=7°C	P <sub>dh</sub>	1.6	kW
Tj=12°C	P <sub>dh</sub>	0.9	kW
Tj=bivalent temperature	P <sub>dh</sub>	4.5	kW
Tj=operating limit	P <sub>dh</sub>	4.2	kW

<b>Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj=-7°C	COPd	3.0	-
Tj=2°C	COPd	4.6	-
Tj=7°C	COPd	5.8	-
Tj=12°C	COPd	6.6	-
Tj=bivalent temperature	COPd	2.7	-
Tj=operating limit	COPd	1.0	-

<b>Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj=2°C	P <sub>dh</sub>	2.5	kW
Tj=7°C	P <sub>dh</sub>	1.6	kW
Tj=12°C	P <sub>dh</sub>	0.9	kW
Tj=bivalent temperature	P <sub>dh</sub>	2.5	kW
Tj=operating limit	P <sub>dh</sub>	4.2	kW

<b>Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj=2°C	COPd	4.6	-
Tj=7°C	COPd	5.8	-
Tj=12°C	COPd	6.6	-
Tj=bivalent temperature	COPd	4.6	-
Tj=operating limit	COPd	1.0	-

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

<b>Declared coefficient of performance/Colder season, at indoor temperature 20°C and outdoor temperature Tj</b>			
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	-

<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	W
standby mode	P <sub>SB</sub>	1	W
thermostat - off mode	P <sub>TO</sub>	8	W
crankcase heater mode	P <sub>CK</sub>	0	W

<b>Annual electricity consumption</b>			
cooling	Q <sub>CE</sub>	205	kWh/a
heating/Average	Q <sub>HE</sub>	1369	kWh/a
heating/Warmer	Q <sub>HE</sub>	602	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>	60/64	dB(A)
Global warming potential	GWP (*2)	675	kgCO <sub>2</sub> eq.
Rated air flow (indoor/outdoor)	-	834/942	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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(\*1) This information is based on the "product information requirement" in COMMISSION REGULATION (EU) No. 206/2012.

(\*2) This GWP value is based on Regulation(EU)No. 517/2014 from IPCC 4th Assessment Report.

For Regulation (EU) No. 626/2001, which cites the IPCC Third Assessment Report, Climate Change 2001, the GWP is 550.

**TECHNICAL DOCUMENTATION (1)**

ROOM AIR CONDITIONER	INDOOR MODEL	MSZ-LN50VG2W	307H*890W*233D (mm)
		MSZ-LN50VG2V	
	MSZ-LN50VG2B		
	MSZ-LN50VG2R		
	OUTDOOR MODEL	MUZ-LN50VG2	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	8.5	-
heating/Average	SCOP/A	4.6	-
heating/Warmer	SCOP/W	5.8	-
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>	60/64	dB(A)
Refrigerant	-	R32	-
Global warming potential	GWP (3)	675	kgCO <sub>2</sub> eq.

identification and signature of the person empowered to bind the supplier	
	Tadashi Saito 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 14825:2016: Testing and rating at part load conditions and calculation of seasonal performance.  
(3) This GWP value is based on Regulation(EU)No. 517/2014 from IPCC 4th Assessment Report.  
For Regulation (EU) No. 626/2001, which cites the IPCC Third Assessment Report, Climate Change 2001, the GWP is 550.