



# ENERG

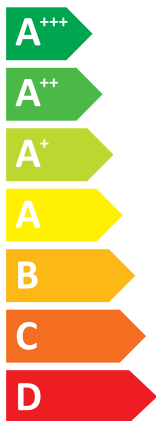
енергия · ενεργεια



Model Indoor unit  
Outdoor unit

**MSZ-LN50VG**  
**MUZ-LN50VGHZ**

SEER



**A++**

kW 5,0

SEER 7,6

kWh/annum 230

SCOP



**A+++**

**A++**

**A+**

**A**

**B**

**C**

**D**

**A+++**

**A++**

**A**

kW 3,3

6,0

8,8

SCOP 5,9

4,6

3,4

kWh/annum 779

1826

5340



**60dB**



**64dB**



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626/2011

JG79B801H01





**PRODUCT INFORMATION (\*)**

<b>ROOM AIR CONDITIONER</b>	<b>INDOOR MODEL</b>	<b>MSZ-LN50VG</b>
	<b>OUTDOOR MODEL</b>	<b>MUZ-LN50VGHZ</b>

<b>Function (indicate if present)</b>	
cooling	Y
heating	Y

<b>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'.</b>	
Average (mandatory)	Y
Warmer (if designated)	Y
Colder (if designated)	Y

Item	symbol	value	unit
<b>Design load</b>			
cooling	Pdesignc	5,0	kW
heating/Average	Pdesignh	6,0	kW
heating/Warmer	Pdesignh	3,3	kW
heating/Colder	Pdesignh	8,8	kW

Item	symbol	value	unit
<b>Seasonal efficiency</b>			
cooling	SEER	7,6	-
heating/Average	SCOP/A	4,6	-
heating/Warmer	SCOP/W	5,9	-
heating/Colder	SCOP/C	3,4	-

<b>Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj</b>			
Tj=35°C	Pdc	5,0	kW
Tj=30°C	Pdc	3,7	kW
Tj=25°C	Pdc	2,4	kW
Tj=20°C	Pdc	2,1	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	5,7	-
Tj=25°C	EERd	8,9	-
Tj=20°C	EERd	14,5	-

<b>Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj=-7°C	Pdh	5,4	kW
Tj=2°C	Pdh	3,3	kW
Tj=7°C	Pdh	2,0	kW
Tj=12°C	Pdh	1,9	kW
Tj=bivalent temperature	Pdh	6,0	kW
Tj=operating limit	Pdh	4,7	kW

<b>Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj=-7°C	COPd	2,8	-
Tj=2°C	COPd	4,6	-
Tj=7°C	COPd	6,0	-
Tj=12°C	COPd	7,2	-
Tj=bivalent temperature	COPd	2,6	-
Tj=operating limit	COPd	1,8	-

<b>Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj=2°C	Pdh	3,3	kW
Tj=7°C	Pdh	2,0	kW
Tj=12°C	Pdh	1,9	kW
Tj=bivalent temperature	Pdh	3,3	kW
Tj=operating limit	Pdh	4,7	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	6,0	-
Tj=12°C	COPd	7,2	-
Tj=bivalent temperature	COPd	4,6	-
Tj=operating limit	COPd	1,8	-

<b>Declared capacity for heating/Colder season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj=-7°C	Pdh	5,4	kW
Tj=2°C	Pdh	3,3	kW
Tj=7°C	Pdh	2,0	kW
Tj=12°C	Pdh	1,9	kW
Tj=bivalent temperature	Pdh	6,0	kW
Tj=operating limit	Pdh	4,7	kW
Tj=-15°C	Pdh	6,0	kW

<b>Declared coefficient of performance/Colder season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj=-7°C	COPd	2,8	-
Tj=2°C	COPd	4,6	-
Tj=7°C	COPd	6,0	-
Tj=12°C	COPd	7,2	-
Tj=bivalent temperature	COPd	2,6	-
Tj=operating limit	COPd	1,8	-
Tj=-15°C	COPd	1,9	-

<b>Bivalent temperature</b>			
heating/Average	Tbiv	-10	°C
heating/Warmer	Tbiv	2	°C
heating/Colder	Tbiv	-10	°C

<b>Operating limit temperature</b>			
heating/Average	Tol	-25	°C
heating/Warmer	Tol	-25	°C
heating/Colder	Tol	-25	°C

<b>Cycling interval capacity</b>			
for cooling	Pcycc	x	kW
for heating	Pcyhc	x	kW
Degradation co-efficient cooling	Cdc	0,25	-

<b>Cycling interval efficiency</b>			
for cooling	EERcyc	x	-
for heating	COPcyc	x	-
Degradation co-efficient heating	Cdh	0,25	-

<b>Electric power input in power modes other than 'active mode'</b>			
off mode	POFF	1	W
standby mode	PSB	1	W
thermostat - off mode	PTO	12	W
crankcase heater mode	PCK	0	W

<b>Annual electricity consumption</b>			
cooling	QCE	230	kWh/a
heating/Average	QHE	1826	kWh/a
heating/Warmer	QHE	779	kWh/a
heating/Colder	QHE	5340	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)	LWA	60/64	dB(A)
Global warming potential	GWP	550	kgCO2eq
Rated air flow (indoor/outdoor)	-	834/2928	m3/h

<b>Contact details for obtaining more information</b>	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)**

<b>ROOM AIR CONDITIONER</b>	<b>INDOOR MODEL</b>	<b>MSZ-LN50VG</b>	<b>307H*890W*233D (mm)</b>
	<b>OUTDOOR MODEL</b>	<b>MUZ-LN50VGHZ</b>	<b>880H*840W*330D (mm)</b>

<b>Function</b>		
cooling		Y
heating		Y

<b>The heating season</b>		
Average (mandatory)		Y
Warmer (if designated)		Y
Colder (if designated)		Y

<b>Capacity control</b>		
fixed		N
staged		N
variable		Y

Item	symbol	value	unit
<b>Seasonal efficiency (2)</b>			
cooling	SEER	7,6	-
heating/Average	SCOP/A	4,6	-
heating/Warmer	SCOP/W	5,9	-
heating/Colder	SCOP/C	3,4	-

<b>Energy efficiency class</b>			
cooling	SEER	A++	-
heating/Average	SCOP/A	A++	-
heating/Warmer	SCOP/W	A+++	-
heating/Colder	SCOP/C	A	-

<b>Other items</b>			
Sound power level (indoor/outdoor)	LWA	60/64	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) 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.