



ENERG

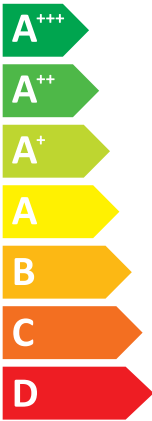
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Model Indoor unit **MSZ-LN50VG2**
Outdoor unit **MUZ-LN50VGHZ**

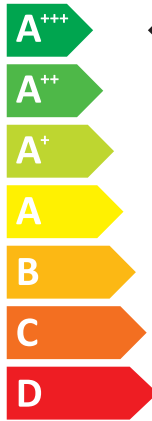
SEER



A⁺⁺

kW **5,0**
SEER **7,6**
kWh/annum **230**

SCOP



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

JG79Y627H02



A Model	B Indoor unit	C Outdoor unit	MSZ-LN25VG2W MSZ-LN25VG2V MSZ-LN25VG2R MSZ-LN25VG2B	MSZ-LN25VG2W MSZ-LN25VG2V MSZ-LN25VG2R MSZ-LN25VG2B	MSZ-LN35VG2W MSZ-LN35VG2V MSZ-LN35VG2R MSZ-LN35VG2B	MSZ-LN35VG2W MSZ-LN35VG2V MSZ-LN35VG2R MSZ-LN35VG2B	MSZ-LN50VG2W MSZ-LN50VG2V MSZ-LN50VG2R MSZ-LN50VG2B	MSZ-LN50VGW MSZ-LN50VGW MSZ-LN50VGB	MSZ-LN50VG2W MSZ-LN50VG2V MSZ-LN50VG2R MSZ-LN50VG2B	MSZ-LN60VGW MSZ-LN60VGW MSZ-LN60VGB	MSZ-LN60VG2W MSZ-LN60VG2V MSZ-LN60VG2R MSZ-LN60VG2B	
			D Sound power levels on cooling mode	E Inside F Outside	dB	58 60	58 60	59 61	59 61	60 64	60 64	65 65
G Refrigerant			R32 GWP 675 *1									
H Cooling	SEER		10,5	10,5	9,5	9,4	8,5	7,6	7,5			
	I Energy efficiency class		A+++	A+++	A+++	A+++	A+++	A++	A++			
	J Annual electricity consumption *2 kWh/a		83	83	129	129	205	230	285			
	K Design load kW		2,5	2,5	3,5	3,5	5,0	5,0	6,1			
M Heating (Average / Warmer / Colder season)	L SCOP		5,2 / 6,4 / -	5,2 / 6,6 / 4,0	5,1 / 6,5 / -	5,1 / 6,5 / 3,9	4,6 / 5,8 / -	4,6 / 5,9 / 3,4	4,6 / 5,9 / -			
	N Energy efficiency class		A+++ / A+++ / -	A+++ / A+++ / A+	A+++ / A+++ / -	A+++ / A+++ / A	A++ / A+++ / -	A++ / A+++ / A	A++ / A+++ / -			
	O Annual electricity consumption *2 kWh/a		807 / 369 / -	861 / 382 / 2466	987 / 431 / -	1098 / 467 / 3162	1369 / 602 / -	1826 / 779 / 5340	1826 / 779 / -			
	P Design load kW		3,0 / 1,7 / -	3,2 / 1,8 / 4,7	3,6 / 2,0 / -	4,0 / 2,2 / 5,9	4,5 / 2,5 / -	6,0 / 3,3 / 8,8	6,0 / 3,3 / -			
	Q De-cleared capacity	R at reference design temperature	kw	3,0(-10°C) / 1,7(2°C) / -	3,2(-10°C) / 1,8(2°C) / 2,6(-22°C)	3,6(-10°C) / 2,0(2°C) / -	4,0(-10°C) / 2,2(2°C) / 3,4(-22°C)	4,5(-10°C) / 2,5(2°C) / -	6,0(-10°C) / 3,3(2°C) / 5,1(-22°C)	6,0(-10°C) / 3,3(2°C) / -		
		S at bivalent temperature	kw	3,0(-10°C) / 1,7(2°C) / -	3,2(-10°C) / 1,8(2°C) / 3,2(-10°C)	3,6(-10°C) / 2,0(2°C) / -	4,0(-10°C) / 2,2(2°C) / 4,0(-10°C)	4,5(-10°C) / 2,5(2°C) / -	6,0(-10°C) / 3,3(2°C) / 6,0(-10°C)	6,0(-10°C) / 3,3(2°C) / -		
	T Back up heating capacity	U at operation limit temperature	kw	2,5(-15°C) / 2,5(-15°C) / -	2,3(-25°C) / 2,3(-25°C) / 2,3(-25°C)	3,2(-15°C) / 3,2(-15°C) / -	3,1(-25°C) / 3,1(-25°C) / 3,1(-25°C)	4,2(-15°C) / 4,2(-15°C) / -	4,7(-25°C) / 4,7(-25°C) / 4,7(-25°C)	6,0(-15°C) / 6,0(-15°C) / -		
		V at 0,0(-10°C) / 0,0(2°C) / -	kw	0,0(-10°C) / 0,0(2°C) / -	0,0(-10°C) / 0,0(2°C) / 2,1(-22°C)	0,0(-10°C) / 0,0(2°C) / -	0,0(-10°C) / 0,0(2°C) / 2,5(-22°C)	0,0(-10°C) / 0,0(2°C) / -	0,0(-10°C) / 0,0(2°C) / 3,7(-22°C)	0,0(-10°C) / 0,0(2°C) / -		

	Deutsch	Italiano	Svenska	Polski	Eesti	Malti	Русский
A	Modell	Modello	Modell	Model	Mudel	Mudell	Модель
B	Innengerät	Unità interna	Inomhusenhet	Jednostka wewnętrzna	Siseseade	Unità għal gewwa	Внутренний прибор
C	Außengerät	Unità esterna	Utomhusenhet	Jednostka zewnętrzna	Välisseade	Unità għal barra	Наружный прибор
D	Schalleistungspegel im Kühlmodus	Livelli di potenza sonora in modalità di raffreddamento	Bullernivå i nedkylningsläget	Poziom mocy dźwięku w trybie chłodzenia	Müratasemed jahutusrežiimis	Livelli tal-qawwa tal-hsejjes fil-modalità tat-tkessiħ	Значения уровня звуковой мощности в режиме охлаждения
E	Innen	Interno	Innsida	Wewnażrz	Sees	Gewwa	Внутри
F	Außen	Esterno	Utsida	Na zewnątrz	Väljas	Barra	Снаружи
G	Kühlmittel	Refrigerante	Köldmedel	Czynnik chłodniczy	Külmutusagens	Refrigerant	Хладагент

	Deutsch	Italiano	Svenska	Polski	Eesti	Malti	Русский
H	Kühlen	Raffreddamento	Kyla	Chłodzenie	Jahutus	Tkessiħ	Охлаждение
J	Energieeffizienzklasse	Classe di efficienza energetica	Energiklass	Klasa energetyczna	Energiatõhususe klass	Klassi tal-effiċjenza fl-użu tal-enerġija	Класс эффективности использования энергии
K	Jahresstromverbrauch *2	Consumo annuale di energia elettrica *2	Årlig strömförbrukning *2	Zużycie prądu w skali roku *2	Aastane voolutarbimus *2	Konsum annwali tal-elettriku *2	Годовое потребление электроэнергии *2
L	Lastauslegung	Carico nominale	Dimensionerande belastning	Maksymalne obciążenie	Projekteeritud koormus	Tagħbiya tad-disinn	Расчетная нагрузка
M	Heizung (Durchschnitt / Wärmer / Kälter / Jahreszeit)	Riscaldamento (Stagione media / calda / fredda)	Värme (Genomsnittlig/varmare / kallare årstid)	Ogrzewanie (umiarkowane / cieplejsze / zimniejsze / sezonowe)	Kütmine (keskmine/soojem/külmem periood)	Tishin (Medju / Aktar shun / Aktar kiesah / stagun)	Нагрев (средний/теплый/холодный сезон)
N	Capacité déclarée	Δηλωμένη χωρητικότητα	Udåvnad kapacita	Prijava zmogljivost	Toileadh fógartha	Ilmoitettu teho	Erklært kapasitet
P	bei angegebener Referenztemperatur	alla temperatura di progetto di riferimento	vid dimensionerande referenstempertatur	w znamionowej temperaturze odniesienia	projekteerimise võrdlustemperatuur juures	f'temperatura tad-disinn ta' referenza	при эталонной расчетной температуре
R	à la température de calcul de référence	σε θερμοκρασία σχεδιασμού αναφοράς	při referenční výpočtové teplotě	ob referenční nazivní temperaturě	ag teocht deartha tagartha	perusmitoitulämpötilassa	При эталонной расчетной температуре
S	bij referentieontwerptemperatuur	à temperatura nominal de referencia	pri referenčnéj výpočtovej teplote	la temperatura de referință nominală	aprõkina referents temperatuurä	referans tasarim siccakliginda	При эталонной расчетной температуре
T	Backup-Heizleistung	Capacità di riscaldamento addizionale	Kapacitet för reservvärme	Zapasowa pojemność grzewcza	Tagavara küttevoimsus	Kapacità tad-tishin ta' sostenn	Резервная тепловая мощность

PRODUCT INFORMATION (*1)

ROOM AIR CONDITIONER	INDOOR MODEL	MSZ-LN50VG2W
		MSZ-LN50VG2V
		MSZ-LN50VG2B
		MSZ-LN50VG2R
	OUTDOOR MODEL	MUZ-LN50VGHZ

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)	Y

Item	symbol	value	unit
Design load			
cooling	P _{designc}	5.0	kW
heating/Average	P _{designh}	6.0	kW
heating/Warmer	P _{designh}	3.3	kW
heating/Colder	P _{designh}	8.8	kW

Item	symbol	value	unit
Seasonal efficiency			
cooling	SEER	7.6	-
heating/Average	SCOP/A	4.6	-
heating/Warmer	SCOP/W	5.9	-
heating/Colder	SCOP/C	3.4	-

Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature T_j			
T _j =35°C	P _{dc}	5.0	kW
T _j =30°C	P _{dc}	3.7	kW
T _j =25°C	P _{dc}	2.4	kW
T _j =20°C	P _{dc}	2.1	kW

Declared energy efficiency ratio, at indoor temperature 27(19) °C and outdoor temperature T_j			
T _j =35°C	EER _d	3.7	-
T _j =30°C	EER _d	5.7	-
T _j =25°C	EER _d	8.9	-
T _j =20°C	EER _d	14.5	-

Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature T_j			
T _j =-7°C	P _{dh}	5.4	kW
T _j =2°C	P _{dh}	3.3	kW
T _j =7°C	P _{dh}	2.1	kW
T _j =12°C	P _{dh}	2.0	kW
T _j =bivalent temperature	P _{dh}	6.0	kW
T _j =operating limit	P _{dh}	4.7	kW

Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature T_j			
T _j =-7°C	COP _d	2.8	-
T _j =2°C	COP _d	4.6	-
T _j =7°C	COP _d	6.0	-
T _j =12°C	COP _d	7.2	-
T _j =bivalent temperature	COP _d	2.6	-
T _j =operating limit	COP _d	1.8	-

Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature T_j			
T _j =2°C	P _{dh}	3.3	kW
T _j =7°C	P _{dh}	2.1	kW
T _j =12°C	P _{dh}	2.0	kW
T _j =bivalent temperature	P _{dh}	3.3	kW
T _j =operating limit	P _{dh}	4.7	kW

Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature T_j			
T _j =2°C	COP _d	4.6	-
T _j =7°C	COP _d	6.0	-
T _j =12°C	COP _d	7.2	-
T _j =bivalent temperature	COP _d	4.6	-
T _j =operating limit	COP _d	1.8	-

Declared capacity for heating/Colder season, at indoor temperature 20°C and outdoor temperature T_j			
T _j =-7°C	P _{dh}	5.4	kW
T _j =2°C	P _{dh}	3.3	kW
T _j =7°C	P _{dh}	2.1	kW
T _j =12°C	P _{dh}	2.0	kW
T _j =bivalent temperature	P _{dh}	6.0	kW
T _j =operating limit	P _{dh}	4.7	kW
T _j =-15°C	P _{dh}	6.0	kW

Declared coefficient of performance/Colder season, at indoor temperature 20°C and outdoor temperature T_j			
T _j =-7°C	COP _d	2.8	-
T _j =2°C	COP _d	4.6	-
T _j =7°C	COP _d	6.0	-
T _j =12°C	COP _d	7.2	-
T _j =bivalent temperature	COP _d	2.6	-
T _j =operating limit	COP _d	1.8	-
T _j =-15°C	COP _d	1.9	-

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}	-25	°C
heating/Warmer	T _{ol}	-25	°C
heating/Colder	T _{ol}	x	°C

Cycling interval capacity			
for cooling	P _{cycc}	x	kW
for heating	P _{cyh}	x	kW
Degradation co-efficient cooling	C _{dc}	0.25	-

Cycling interval efficiency			
for cooling	EER _{cycc}	x	-
for heating	COP _{cycc}	x	-
Degradation co-efficient heating	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 _{TO}	12	W
crankcase heater mode	P _{CK}	0	W

Annual electricity consumption			
cooling	Q _{CE}	230	kWh/a
heating/Average	Q _{HE}	1826	kWh/a
heating/Warmer	Q _{HE}	779	kWh/a
heating/Colder	Q _{HE}	5340	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 (*2)	675	kgCO ₂ eq.
Rated air flow (indoor/outdoor)	-	834/942	m ³ /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-LN50VGHZ	880H*840W*330D (mm)

Function	
cooling	Y
heating	Y


The heating season	
Average (mandatory)	Y
Warmer (if designated)	Y
Colder (if designated)	Y

Capacity control	
fixed	N
staged	N
variable	Y

Item	symbol	value	unit
Seasonal efficiency (2)			
cooling	SEER	7.6	-
heating/Average	SCOP/A	4.6	-
heating/Warmer	SCOP/W	5.9	-
heating/Colder	SCOP/C	3.4	-

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

Other items			
Sound power level (indoor/outdoor)	L _{WA}	60/64	dB(A)
Refrigerant	-	R32	-
Global warming potential	GWP (3)	675	kgCO ₂ 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.