



# ENERGY



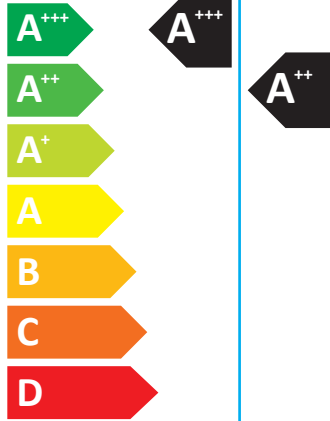
Model Indoor unit **MSZ-LN60VG2**  
Outdoor unit **MUZ-LN60VG2**

SEER



kW **6,1**  
SEER **7,5**  
kWh/annum **285**

SCOP



kW	<b>3,3</b>	<b>6,0</b>	X
SCOP	<b>5,9</b>	<b>4,6</b>	X
kWh/annum	<b>780</b>	<b>1816</b>	X



**65dB**



**65dB**



626/2011

DG79A04RH01



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-LN50GV MSZ-LN50VGR MSZ-LN50VGB	MSZ-LN50VG2W MSZ-LN50VG2V MSZ-LN50VG2R MSZ-LN50VG2B	MSZ-LN60VGW MSZ-LN60GV MSZ-LN60VGR MSZ-LN60VGB	MSZ-LN60VG2W MSZ-LN60VG2V MSZ-LN60VG2R MSZ-LN60VG2B						
			D Sound power levels on cooling mode	E Inside	F Outside	MUZ-LN25VG2	MUZ-LN25VGHZ2	MUZ-LN35VG2	MUZ-LN35VGHZ2	MUZ-LN50VG2	MUZ-LN50VGHZ2	MUZ-LN60VG2					
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++		
	K Annual electricity consumption *2 kWh/a		83		83		129		130		205		230		285		
M Heating (Average / Warmer / Colder season)	L Design load kw		2,5		2,5		3,5		3,5		5,0		5,0		6,1		
	N 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 / -		
	O Energy efficiency class		A+++ / A+++ / -		A+++ / A+++ / A+		A+++ / A+++ / -		A+++ / A+++ / A		A++ / A+++ / -		A++ / A+++ / A		A++ / A+++ / -		
	P Annual electricity consumption *2 kWh/a		807 / 369 / -		861 / 382 / 2466		987 / 431 / -		1098 / 467 / 3162		1369 / 602 / -		1826 / 767 / 5299		1816 / 780 / -		
	Q 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 / -		
	R De-cleared capacity	S at reference design temperature	T at bivalent temperature	U at operation limit temperature		V at operation limit temperature		W at operation limit temperature		X at operation limit temperature		Y at operation limit temperature		Z at operation limit temperature		AA at operation limit temperature	
				kW		kW		kW		kW		kW		kW		kW	
kW				kW		kW		kW		kW		kW		kW			
AA Back up heating capacity		kW		kW		kW		kW		kW		kW		kW			

	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 ġewwa	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	Mürtasemed jahutusrežiimis	Livelli tal-qawwa tal-hsejjes fil-modalità tat-tkessi	Значения уровня звуковой мощности в режиме охлаждения
E	Innen	Interno	Insida	Wewna	Sees	Ġewwa	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	Tkessi	Охлаждение
J	Energieeffizienzklasse	Classe di efficienza energetica	Energi klass	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 voolutarbimis *2	Konsum annwali tal-elettriku *2	Годовое потребление электроэнергии *2
L	Lastauslegung	Carico nominale	Dimensionerande belastning	Maksymalne obciążenie	Projektteeritud 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 kapaciteta	Prijavljena zmogljivost	Toileadha fógartha	Ilmoitettu teho	Erklæret kapasitet
O	bei angegebener Referenztemperatur	alla temperatura di progetto di riferimento	vid dimensionerande referenstemperatur	w znamionowej temperaturze odniesienia	projekteerimise võrdlustemperatuur juures	f'temperatura tad-disinn ta' referenza	при эталонной расчетной температуре
P	à la température de calcul de référence	σε θερμοκρασία σχεδιασμού αναφοράς	při referenční výpočtové teplotě	ob referenční nazivní temperaturi	ag toecht deartha tagartha	perusmitoituslämpötilassa	ved referansetemperatur for utforming
Q	bij referentieontwerptemperatuur	à temperatura nominal de referència	pri referenčnéj výpočtovej teplote	pri izračunljivi projektni temperaturi	aprëkina references temperaturä	referans tasarim siccaklġinda	При эталонной проектной температуре
R	à température bivalente	alla temperatura bivalente	vid bivalent temperatur	w temperaturze bivalentnej	bivalentse temperatuuri juures	f'temperatura bivalenti	при бивалентной температуре
S	à température de fonctionnement limite	σε θερμοκρασία ορίου λειτουργίας	při teplotě na hranici provozního limitu	w granicznej temperaturze roboczej	töötamise piirtemperatuuri juures	f'temperatura tal-limitu tat-thaddim	при предельной рабочей температуре
T	Backup-Heizleistung	Capacità di riscaldamento addizionale	Kapacitet för reservvärme	Zapasowa pojemność grzewcza	Tagavara küttevoimsus	Kapacità tat-tishin ta' sostenn	Резервная тепловая мощность



**PRODUCT INFORMATION (\*1)**

ROOM AIR CONDITIONER	INDOOR MODEL OUTDOOR MODEL	MSZ-LN60VG2W / MSZ-LN60VG2V / MSZ-LN60VG2B / MSZ-LN60VG2R MUZ-LN60VG2					
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					
cooling		Y	Average (mandatory)				
heating		Y	Warmer (if designated)				
			Colder (if designated)				
			N				
<b>Item</b>	<b>symbol</b>	<b>value</b>	<b>unit</b>	<b>Item</b>	<b>symbol</b>	<b>value</b>	<b>unit</b>
<b>Design load</b>				<b>Seasonal efficiency</b>			
cooling	Pdesignc	6.1	kW	cooling	SEER	7.5	-
heating/Average	Pdesignh	6.0	kW	heating/Average	SCOP/A	4.6	-
heating/Warmer	Pdesignh	3.3	kW	heating/Warmer	SCOP/W	5.9	-
heating/Colder	Pdesignh	x	kW	heating/Colder	SCOP/C	x	-
<b>Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj</b>				<b>Declared energy efficiency ratio, at indoor temperature 27(19) °C and outdoor temperature Tj</b>			
Tj=35°C	Pdc	6.1	kW	Tj=35°C	EERd	3.5	-
Tj=30°C	Pdc	4.5	kW	Tj=30°C	EERd	5.5	-
Tj=25°C	Pdc	2.9	kW	Tj=25°C	EERd	8.7	-
Tj=20°C	Pdc	1.8	kW	Tj=20°C	EERd	13.8	-
<b>Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature Tj</b>				<b>Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj=-7°C	Pdh	5.4	kW	Tj=-7°C	COPd	2.9	-
Tj=2°C	Pdh	3.3	kW	Tj=2°C	COPd	4.6	-
Tj=7°C	Pdh	2.1	kW	Tj=7°C	COPd	6.0	-
Tj=12°C	Pdh	2.0	kW	Tj=12°C	COPd	7.2	-
Tj=bivalent temperature	Pdh	6.0	kW	Tj=bivalent temperature	COPd	2.6	-
Tj=operating limit	Pdh	6.0	kW	Tj=operating limit	COPd	2.2	-
<b>Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature Tj</b>				<b>Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj=2°C	Pdh	3.3	kW	Tj=2°C	COPd	4.6	-
Tj=7°C	Pdh	2.1	kW	Tj=7°C	COPd	6.0	-
Tj=12°C	Pdh	2.0	kW	Tj=12°C	COPd	7.2	-
Tj=bivalent temperature	Pdh	3.3	kW	Tj=bivalent temperature	COPd	4.6	-
Tj=operating limit	Pdh	6.0	kW	Tj=operating limit	COPd	2.2	-
<b>Declared capacity for heating/Colder season, at indoor temperature 20°C and outdoor temperature Tj</b>				<b>Declared coefficient of performance/Colder season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj=-7°C	Pdh	x	kW	Tj=-7°C	COPd	x	-
Tj=2°C	Pdh	x	kW	Tj=2°C	COPd	x	-
Tj=7°C	Pdh	x	kW	Tj=7°C	COPd	x	-
Tj=12°C	Pdh	x	kW	Tj=12°C	COPd	x	-
Tj=bivalent temperature	Pdh	x	kW	Tj=bivalent temperature	COPd	x	-
Tj=operating limit	Pdh	x	kW	Tj=operating limit	COPd	x	-
Tj=-15°C	Pdh	x	kW	Tj=-15°C	COPd	x	-
<b>Bivalent temperature</b>				<b>Operating limit temperature</b>			
heating/Average	Tbiv	-10	°C	heating/Average	Tol	-15	°C
heating/Warmer	Tbiv	2	°C	heating/Warmer	Tol	-15	°C
heating/Colder	Tbiv	x	°C	heating/Colder	Tol	x	°C
<b>Cycling interval capacity</b>				<b>Cycling interval efficiency</b>			
for cooling	Pcycc	x	kW	for cooling	EERcyc	x	-
for heating	Pcyh	x	kW	for heating	COPcyc	x	-
Degradation co-efficient cooling	Cdc	0.25	-	Degradation co-efficient heating	Cdh	0.25	-
<b>Electric power input in power modes other than 'active mode</b>				<b>Annual electricity consumption</b>			
off mode	P <sub>OFF</sub>	1	W	cooling	Q <sub>CE</sub>	285	kWh/a
standby mode	P <sub>SB</sub>	1	W	heating/Average	Q <sub>HE</sub>	1816	kWh/a
thermostat - off mode	P <sub>TO</sub>	9	W	heating/Warmer	Q <sub>HE</sub>	780	kWh/a
crankcase heater mode	P <sub>CK</sub>	0	W	heating/Colder	Q <sub>HE</sub>	x	kWh/a
<b>Capacity control (indicate one of three options)</b>				<b>Other items</b>			
fixed		N		Sound power level (indoor/outdoor)	L <sub>WA</sub>	65/65	dB(A)
staged		N		Global warming potential	GWP (*2)	675	kgCO <sub>2</sub> eq.
variable		Y		Rated air flow (indoor/outdoor)	-	960/2958	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						

(\*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. 626/2011, which cites the IPCC Third Assessment Report, Climate Change 2001, the GWP is 550.

**TECHNICAL DOCUMENTATION ( 1 )**

ROOM AIR CONDITIONER	INDOOR MODEL	MSZ-LN60VG2W / MSZ-LN60VG2V / MSZ-LN60VG2B / MSZ-LN60VG2R	307H*890W*233D (mm)
	OUTDOOR MODEL	MUZ-LN60VG2	880H*840W*330D (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
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Seasonal efficiency (2)			
cooling	SEER	7.5	-
heating/Average	SCOP/A	4.6	-
heating/Warmer	SCOP/W	5.9	-
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>	65/65	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. 626/2011, which cites the IPCC Third Assessment Report, Climate Change 2001, the GWP is 550.