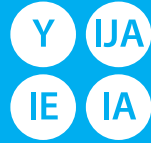


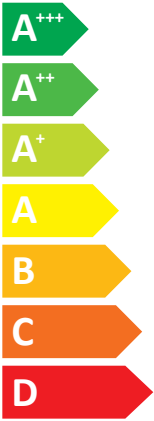


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Model Indoor unit **MSZ-AP50VG**  
Outdoor unit **MUZ-AP50VGH**

SEER



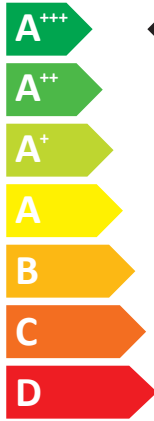
**A<sup>++</sup>**

kW 5,0

SEER 7,4

kWh/annum 236

SCOP



**A<sup>+++</sup>**

**A<sup>++</sup>**

kW 2,3

SCOP 5,9

kWh/annum 543

4,2

4,6

1275

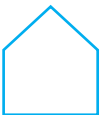
X

X

X



58dB



64dB



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626/2011

JG79J124H01

JG79Y324H02



A Model	B Indoor unit		MSZ-AP25VG MSZ-AP25VGK		MSZ-AP35VG MSZ-AP35VGK		MSZ-AP42VG MSZ-AP42VGK		MSZ-AP50VG MSZ-AP50VGK		
	C Outdoor unit		MUZ-AP25VG	MUZ-AP25VGH	MUZ-AP35VG	MUZ-AP35VGH	MUZ-AP42VG	MUZ-AP42VGH	MUZ-AP50VG	MUZ-AP50VGH	
D Sound power levels on cooling mode	E Inside	dB	57	57	57	57	57	57	58	58	
	F Out-side	dB	59	59	61	61	61	61	64	64	
G Refrigerant R32 GWP 550 *1*3											
H Cooling	SEER		8,6	8,6	8,6	8,6	7,8	7,8	7,4	7,4	
	Energy efficiency class		A+++	A+++	A+++	A+++	A++	A++	A++	A++	
	Annual electricity consumption *2 kWh/a		101	101	142	142	188	188	236	236	
	Design load kw		2,5	2,5	3,5	3,5	4,2	4,2	5,0	5,0	
M Heating (Average / Warmer / season)	SCOP		4,8 / 5,8	4,7 / 5,8	4,7 / 5,9	4,6 / 5,9	4,7 / 5,9	4,6 / 5,9	4,7 / 5,9	4,6 / 5,9	
	Energy efficiency class		A++ / A+++	A++ / A+++	A++ / A+++	A++ / A+++	A++ / A+++	A++ / A+++	A++ / A+++	A++ / A+++	
	Annual electricity consumption *2 kWh/a		698 / 310	703 / 310	862 / 377	873 / 377	1120 / 491	1134 / 491	1250 / 543	1275 / 543	
	Design load kw		2,4 / 1,3	2,4 / 1,3	2,9 / 1,6	2,9 / 1,6	3,8 / 2,1	3,8 / 2,1	4,2 / 2,3	4,2 / 2,3	
	N Declared capacity	P at reference design temperature	kw	2,4(-10°C) / 1,3( 2°C)	2,4(-10°C) / 1,3( 2°C)	2,9(-10°C) / 1,6( 2°C)	2,9(-10°C) / 1,6( 2°C)	3,8(-10°C) / 2,1( 2°C)	3,8(-10°C) / 2,1( 2°C)	4,2(-10°C) / 4,2( 2°C)	4,2(-10°C) / 4,2( 2°C)
			kw	2,4(-10°C) / 1,3( 2°C)	2,4(-10°C) / 1,3( 2°C)	2,9(-10°C) / 1,6( 2°C)	2,9(-10°C) / 1,6( 2°C)	3,8(-10°C) / 2,1( 2°C)	3,8(-10°C) / 2,1( 2°C)	4,2(-10°C) / 4,2( 2°C)	4,2(-10°C) / 4,2( 2°C)
	N Declared capacity	Q at bivalent temperature	kw	2,4(-10°C) / 1,3( 2°C)	2,4(-10°C) / 1,3( 2°C)	2,9(-10°C) / 1,6( 2°C)	2,9(-10°C) / 1,6( 2°C)	3,8(-10°C) / 2,1( 2°C)	3,8(-10°C) / 2,1( 2°C)	4,2(-10°C) / 4,2( 2°C)	4,2(-10°C) / 4,2( 2°C)
			kw	2,4(-15°C) / 2,4(-15°C)	2,2(-20°C) / 2,2(-20°C)	2,6(-15°C) / 2,6(-15°C)	2,4(-20°C) / 2,4(-20°C)	4,2(-15°C) / 4,2(-15°C)	3,8(-20°C) / 3,8(-20°C)	4,7(-15°C) / 4,7(-15°C)	4,2(-20°C) / 4,2(-20°C)
T Back up heating capacity		kw	0,0(-10°C) / 0,0( 2°C)	0,0(-10°C) / 0,0( 2°C)	0,0(-10°C) / 0,0( 2°C)	0,0(-10°C) / 0,0( 2°C)	0,0(-10°C) / 0,0( 2°C)	0,0(-10°C) / 0,0( 2°C)	0,0(-10°C) / 0,0( 2°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 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	Müratasemed jahutusrežiimis	Livelli tal-qawwa tal-hsejjes fil-modalità tat-tkessiħ	Значения уровня звуковой мощности в режиме охлаждения
E	Innen	Interno	Insida	Wewnażrz	Sees	Ġewwa	Внутри
F	Außen	Esterno	Utsida	Na zewnażrz	Väljas	Barra	Снаружи
G	Kühlmittel	Refrigerante	Köldmedel	Czynnik chłodniczy	Külmutusagens	Refrigerant	Хладагент
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	Chauffage (moyenne saison / saison chaude)	Θέρμανση (Εποχή με μέσες / υψηλότερες θερμοκρασίες)	Topeni (průměrná/teplá sezóna)	Ogrevanje (Povprečni/toplejši letni čas)	Téamh (Séasúr Meánach / Níos teo)	Lämmitys (Normaali / Lämpimämpi kausi)	Oppvarming (gjennomsnittlig / varmere årstid)
N	Capacité déclarée	Capacità dichiarata	Deklarerad kapacitet	Deklarovaná pojemnosť	Deklareritud võimsus	Kapaċità ddiċjarata	Гарантированная мощность
P	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
Q	à la température de calcul de référence	σε θερμοκρασία σχεδιασμού αναφοράς	při referenční výpočtové teplotě	ob referenčni nazivni temperaturi	ag teocht deartha tagartha	perusmitoitustämpötilassa	ved referansetemperatur for utforming
R	bij referentieontwerptemperatuur	à temperatura nominal de referència	pri referenčnej výpočtovej teplote	pri izračunljivi projektnej temperaturi	aprõkina references temperatuur	referans tasarim sicaġliġinda	При эталонной проектной температуре
S	à température bivalente	alla temperatura bivalente	vid bivalent temperatur	w temperaturze bivalentnej	bivalentse temperatuur juures	f'temperatura bivalenti	при бивалентной температуре
T	Backup-Heizleistung	Capacità di riscaldamento addizionale	Kapacitet för reservvärme	Zapasowa pojemność grzewcza	Tagavara küttevoimsus	Kapaċità tat-tiħin ta' sostenn	Резервная тепловая мощность



**PRODUCT INFORMATION (\*)**

ROOM AIR CONDITIONER	INDOOR MODEL	MSZ-AP50VG / MSZ-AP50VGK
	OUTDOOR MODEL	MUZ-AP50VGH

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	7.4	-
heating/Average	SCOP/A	4.6	-
heating/Warmer	SCOP/W	5.9	-
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>	1.3	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	EERd	3.3	-
T <sub>j</sub> =30°C	EERd	5.3	-
T <sub>j</sub> =25°C	EERd	9.3	-
T <sub>j</sub> =20°C	EERd	12.5	-

<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>	0.8	kW
T <sub>j</sub> =bivalent temperature	P <sub>dh</sub>	4.2	kW
T <sub>j</sub> =operating limit	P <sub>dh</sub>	4.2	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	COPd	2.7	-
T <sub>j</sub> =2°C	COPd	4.7	-
T <sub>j</sub> =7°C	COPd	6.0	-
T <sub>j</sub> =12°C	COPd	6.6	-
T <sub>j</sub> =bivalent temperature	COPd	2.4	-
T <sub>j</sub> =operating limit	COPd	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>	0.8	kW
T <sub>j</sub> =bivalent temperature	P <sub>dh</sub>	2.3	kW
T <sub>j</sub> =operating limit	P <sub>dh</sub>	4.2	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	COPd	4.7	-
T <sub>j</sub> =7°C	COPd	6.0	-
T <sub>j</sub> =12°C	COPd	6.6	-
T <sub>j</sub> =bivalent temperature	COPd	4.7	-
T <sub>j</sub> =operating limit	COPd	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	COPd	x	-
T <sub>j</sub> =2°C	COPd	x	-
T <sub>j</sub> =7°C	COPd	x	-
T <sub>j</sub> =12°C	COPd	x	-
T <sub>j</sub> =bivalent temperature	COPd	x	-
T <sub>j</sub> =operating limit	COPd	x	-
T <sub>j</sub> =-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>	-20	°C
heating/Warmer	T <sub>ol</sub>	-20	°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>	236	kWh/a
heating/Average	Q <sub>HE</sub>	1275	kWh/a
heating/Warmer	Q <sub>HE</sub>	543	kWh/a
heating/Colder	Q <sub>HE</sub>	-	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>	58/64	dB(A)
Global warming potential	GWP	550	kgCO <sub>2</sub> eq.
Rated air flow (indoor/outdoor)	-	756/2430	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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(\*) This information is based on the "product information requirement" in COMMISSION REGULATION (EU) No206/2012.

**TECHNICAL DOCUMENTATION <sup>(1)</sup>**

ROOM AIR CONDITIONER	INDOOR MODEL	MSZ-AP50VG / MSZ-AP50VGK	299H*798W*219D (mm)
	OUTDOOR MODEL	MUZ-AP50VGH	714H*800W*285D (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 <sup>(2)</sup>			
cooling	SEER	7.4	-
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>	58/64	dB(A)
Refrigerant	-	R32	-
Global warming potential	GWP	550	kgCO <sub>2</sub> eq.

[INDOOR MODEL] identification and signature of the person empowered to bind the supplier	 <hr/> Selin Domekeli Chief, Quality Assurance Department Mitsubishi Electric Air Conditioning Systems Manufacturing Turkey Joint Stock Company
[OUTDOOR MODEL] identification and signature of the person empowered to bind the supplier	 <hr/> 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 14825:2011: Testing and rating at part load conditions and calculation of seasonal performance.