

JG79Y444H04



A Model	B Indoor unit		MSZ-HR25VF MSZ-HR25VFK	MSZ-HR35VF MSZ-HR35VFK	MSZ-HR42VF MSZ-HR42VFK	MSZ-HR50VF MSZ-HR50VFK	
	C Outdoor unit		MUZ-HR25VF	MUZ-HR35VF	MUZ-HR42VF	MUZ-HR50VF	
D Sound power levels on cooling mode	E Inside	dB	57	60	60	60	
	F Out-side	dB	63	64	64	64	
G Refrigerant			R32 GWP 675 *1				
H Cooling	SEER		6,2	6,2	6,5	6,5	
	I Energy efficiency class		A++	A++	A++	A++	
	K Annual electricity consumption *2 kWh/a		141	191	226	269	
	L Design load kw		2,5	3,4	4,2	5,0	
M Heating (Average / Warmer season)	SCOP		4,3 / 5,3	4,3 / 5,2	4,3 / 5,2	4,3 / 5,2	
	J Energy efficiency class		A+ / A+++	A+ / A+++	A+ / A+++	A+ / A+++	
	K Annual electricity consumption *2 kWh/a		614 / 289	781 / 344	928 / 427	1224 / 558	
	L Design load kw		1,9 / 1,1	2,4 / 1,3	2,9 / 1,6	3,8 / 2,1	
	N De-cleared capacity	P at reference design temperature	kw	1,9(-10°C) / 1,1( 2°C)	2,4(-10°C) / 1,3( 2°C)	2,9(-10°C) / 1,6( 2°C)	3,8(-10°C) / 2,1( 2°C)
		Q at bivalent temperature	kw	1,9(-10°C) / 1,1( 2°C)	2,4(-10°C) / 1,3( 2°C)	2,9(-10°C) / 1,6( 2°C)	3,8(-10°C) / 2,1( 2°C)
		R at operation limit temperature	kw	1,9(-10°C) / 1,9(-10°C)	2,4(-10°C) / 2,4(-10°C)	2,9(-10°C) / 2,9(-10°C)	3,8(-10°C) / 3,8(-10°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)	

	Deutsch	Italiano	Svenska	Polski	Eesti	Malti	Русский
A	Modell	Modello	Modell	Model	Mudel	Mudell	Модель
B	Innengerät	Unità interna	Inomhusenhet	Jednostka wewnętrzna	Sisesaade	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	Wewnętrzny	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	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	Tagħbija 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	Deklarowana pojemność	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 referenční nazivní temperaturi	ag toecht deartha tagartha	perusmitoitustämpötilassa	ved referansetemperatur for utforming
R	à température bivalente	à temperatura bivalente	vid bivalent temperatur	w temperaturze bivalentnej	bivalentse temperatuur juures	f'temperatura bivalenti	при бивалентной температуре
S	à température de fonctionnement limite	σε θερμοκρασία ορίου λειτουργίας	při teplotě na hranici provozního limitu	pri mejni delovni temperaturi	ag toecht teorann oibrúcháin	toimintarajälämpötilassa	ved temperatur for driftsgrense
T	Backup-Heizleistung	Capacità di riscaldamento addizionale	Kapacitet för reservvärme	Zapasowa pojemność grzewcza	Tagavara küttevoimsus	Kapaċità tat-tishin ta' sostenn	Резервная тепловая мощность




PRODUCT INFORMATION (*1)			
ROOM AIR CONDITIONER	INDOOR MODEL OUTDOOR MODEL	MSZ-HR50VF / MSZ-HR50VFK MUZ-HR50VF	
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
<b>Item</b>	<b>symbol</b>	<b>value</b>	<b>unit</b>
<b>Design load</b>			
cooling	Pdesignc	5.0	kW
heating/Average	Pdesignh	3.8	kW
heating/Warmer	Pdesignh	2.1	kW
heating/Colder	Pdesignh	x	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj		Declared energy efficiency ratio, at indoor temperature 27(19) °C and outdoor temperature Tj	
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	1.2	kW
Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature Tj	
Tj=-7°C	Pdh	3.4	kW
Tj=2°C	Pdh	2.1	kW
Tj=7°C	Pdh	1.3	kW
Tj=12°C	Pdh	0.8	kW
Tj=bivalent temperature	Pdh	3.8	kW
Tj=operating limit	Pdh	3.8	kW
Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature Tj	
Tj=2°C	Pdh	2.1	kW
Tj=7°C	Pdh	1.3	kW
Tj=12°C	Pdh	0.8	kW
Tj=bivalent temperature	Pdh	2.1	kW
Tj=operating limit	Pdh	3.8	kW
Declared capacity for heating/Colder season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance/Colder season, at indoor temperature 20°C and outdoor temperature Tj	
Tj=-7°C	Pdh	x	kW
Tj=2°C	Pdh	x	kW
Tj=7°C	Pdh	x	kW
Tj=12°C	Pdh	x	kW
Tj=bivalent temperature	Pdh	x	kW
Tj=operating limit	Pdh	x	kW
Tj=-15°C	Pdh	x	kW
<b>Bivalent temperature</b>		<b>Operating limit temperature</b>	
heating/Average	Tbiv	-10	°C
heating/Warmer	Tbiv	2	°C
heating/Colder	Tbiv	x	°C
<b>Cycling interval capacity</b>		<b>Cycling interval efficiency</b>	
for cooling	Pcycc	x	kW
for heating	Pcyh	x	kW
Degradation co-efficient cooling	Cdc	0.25	-
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>		<b>Annual electricity consumption</b>	
off mode	P <sub>OFF</sub>	4.0	W
standby mode	P <sub>SB</sub>	4.0	W
thermostat - off mode	P <sub>TO</sub>	7.0	W
crankcase heater mode	P <sub>CK</sub>	0.0	W
cooling	Q <sub>CE</sub>	269	kWh/a
heating/Average	Q <sub>HE</sub>	1224	kWh/a
heating/Warmer	Q <sub>HE</sub>	558	kWh/a
heating/Colder	Q <sub>HE</sub>	x	kWh/a
<b>Capacity control (indicate one of three options)</b>		<b>Other items</b>	
fixed		N	
staged		N	
variable		Y	
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)		786/1824	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. 626/2001, which cites the IPCC Third Assessment Report, Climate Change 2001, the GWP is 550.

TECHNICAL DOCUMENTATION <sup>(1)</sup>			
ROOM AIR CONDITIONER	INDOOR MODEL	MSZ-HR50VF / MSZ-HR50VFK	280H*838W*228D (mm)
	OUTDOOR MODEL	MUZ-HR50VF	550H*800W*285D (mm)
<b>Function</b>			
	cooling		Y
	heating		Y
<b>The heating season</b>			
	Average (mandatory)		Y
	Warmer (if designated)		Y
	Colder (if designated)		N
<b>Capacity control</b>			
	fixed		N
	staged		N
	variable		Y
<b>Item</b>	<b>symbol</b>	<b>value</b>	<b>unit</b>
<b>Seasonal efficiency <sup>(2)</sup></b>			
cooling	SEER	6.5	-
heating/Average	SCOP/A	4.3	-
heating/Warmer	SCOP/W	5.2	-
heating/Colder	SCOP/C	x	-
<b>Energy efficiency class</b>			
cooling	SEER	A++	-
heating/Average	SCOP/A	A+	-
heating/Warmer	SCOP/W	A+++	-
heating/Colder	SCOP/C	x	-
<b>Other items</b>			
Sound power level (indoor/outdoor)	L <sub>WA</sub>	60/64	dB (A)
Refrigerant	-	R32	-
Global warming potential	GWP <sup>(3)</sup>	675	kgCO <sub>2</sub> eq.
identification and signature of the person empowered to bind the supplier	 Kenichi Saito Department Manager, Quality Assurance Department Mitsubishi Electric Air Conditioning Systems Manufacturing Turkey Joint Stock Company		

(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.