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Model Indoor unit **MSZ-FH25VE**  
Outdoor unit **MUZ-FH25VE**

SEER



**A+++**

**A+++**

**A++**

**A+**

**A**

**B**

**C**

**D**

kW **2,5**

SEER **9,1**

kWh/annum **96**

SCOP



**A+++**

**A+++**

**A+++**

**A++**

**A+**

**A**

**B**

**C**

**D**

kW **1,7**

SCOP **6,3**

kWh/annum **376**

**3,0** X

**5,1** X

**819** X



**58dB**



**60dB**



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626/2011

JG79B386H01



A Model	B Indoor unit	MSZ-FH25VE				MSZ-FH35VE		MSZ-FH50VE	
		Outdoor unit		MUZ-FH25VE	MUZ-FH25VEHZ	MUZ-FH35VE	MUZ-FH35VEHZ	MUZ-FH50VE	MUZ-FH50VEHZ
D Sound power levels on cooling mode	E Inside	dB	58	58	58	58	60	60	
	F Out-side	dB	60	60	61	61	64	64	
G Refrigerant R410A GWP 1975 *1									
H Cooling	SEER		9,1	9,1	8,9	8,9	7,2	7,2	
	Energy efficiency class		A+++	A+++	A+++	A+++	A++	A++	
	Annual electricity consumption *2 kWh/a		96	96	138	138	244	244	
Design load kw		2,5	2,5	3,5	3,5	5,0	5,0		
I Heating (Average/ Warmer season)	SCOP		5,1 / 6,3	4,9 / 6,3	5,1 / 6,5	4,8 / 6,5	4,6 / 5,7	4,2 / 5,9	
	Energy efficiency class		A+++ / A+++	A++ / A+++	A+++ / A+++	A++ / A+++	A++ / A+++	A+ / A+++	
	Annual electricity consumption *2 kWh/a		819 / 376	924 / 397	986 / 429	1173 / 471	1372 / 614	2006 / 787	
	Design load kw		3,0 (-10°C) / 1,7 (2°C)	3,2 (-10°C) / 1,8 (2°C)	3,6 (-10°C) / 2,0 (2°C)	4,0 (-10°C) / 2,2 (2°C)	4,5 (-10°C) / 2,5 (2°C)	6,0 (-10°C) / 3,3 (2°C)	
	De-cleared capacity	at reference design temperature kw		3,0 (-10°C) / 1,7 (2°C)	3,2 (-10°C) / 1,8 (2°C)	3,6 (-10°C) / 2,0 (2°C)	4,0 (-10°C) / 2,2 (2°C)	4,5 (-10°C) / 2,5 (2°C)	6,0 (-10°C) / 3,3 (2°C)
		at bivalent temperature kw		3,0 (-10°C) / 1,7 (2°C)	3,2 (-10°C) / 1,8 (2°C)	3,6 (-10°C) / 2,0 (2°C)	4,0 (-10°C) / 2,2 (2°C)	4,5 (-10°C) / 2,5 (2°C)	6,0 (-10°C) / 3,3 (2°C)
		at operation limit temperature kw		2,5 (-15°C) / 2,5 (-15°C)	1,7 (-25°C) / 1,7 (-25°C)	3,2 (-15°C) / 3,2 (-15°C)	2,6 (-25°C) / 2,6 (-25°C)	5,2 (-15°C) / 5,2 (-15°C)	3,8 (-25°C) / 3,8 (-25°C)
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)		

	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 għewwa	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	Bullemlivå i nedkylningsläget	Poziom mocy dźwięku w trybie chłodzenia	Müratasemed jahutusrežiimis	Livelli tal-qawwa tal-hsejjes fil-modalità ta' tkessiħ	Значения уровня звуковой мощности в режиме охлаждения
E	Innen	Interno	Innida	Wewnętrzny	Sees	Għewwa	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
I	Energieeffizienzklasse	Classe di efficienza energetica	Energiklass	Klasa energetyczna	Energiatõhususe klass	Klassi tal-effiċjenza fl-użu tal-enerġija	Класс эффективности использования энергии
J	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
K	Consumption d'électricité annuelle *2	Ετήσια κατανάλωση ρεύματος *2	Roční spotřeba elektrické energie *2	Letna poraba elektrike *2	Idüü leicteachais bhliantüü *2	Vuotuinen sähkökulutus *2	Årlig strömförbruk *2
L	Lastauslegung	Carico nominale	Dimensionerande belastning	Maksymalne obciążenie	Projektseeritud 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	Nennkapazität	Capacità dichiarata	Deklarerad kapacitet	Deklarowana pojemność	Deklareeritud võimsus	Kapaċità d'dikjarata	Гарантированная мощность
O	bei angegebener Referenztemperatur	alla temperatura di progetto di riferimento	vid dimensionerande referenstempertur	w znamionowej temperaturze odniesienia	projekteerimise võrdlustemperatuur juures	f'temperatura tad-disinn ta' referenza	при эталонной расчетной температуре
P	bij referentieontwerptemperatuur	à la température de calcul de référence	při referenční výpočtové teplotě	ob referenční nazivni temperaturi	ag toocht deartha tagartha	perusmitoituislämpötilassa	ved referansetemperatur for utforming
Q	bei bivalenter Temperatur	alla temperatura bivalente	vid bivalent temperatur	w temperaturze bivalentnej	bivalentse temperatuur juures	f'temperatura bivalenti	при бивалентной температуре
R	bei Temperatur an der Betriebsgrenze	alla temperatura limite di funzionamento	vid driftstemperaturens gränsvärde	w granicznej temperaturze roboczej	tõotamise piirtemperatuur juures	f'temperatura tal-limitu tad-thaddim	при предельной рабочей температуре
S	bei grens werkingstemperatuur	à temperatura de limite de fonctionnement	pri hranične prevádzkovej teplote	pri mejni delovni temperaturi	ag toocht teorann oiبریúcháin	toimintarajalämpötilassa	ved temperatur for driftsgrense
T	Backup-Heizleistung	Capacità di riscaldamento addizionale	Kapacitet för reservvärme	Zaprasowa pojemność grzewcza	Tagavara kütte võimsus	Kapaċità tal-tishin ta' sostenn	Резервная тепловая мощность



**PRODUCT INFORMATION (\*)**

ROOM AIR CONDITIONER	INDOOR MODEL	MSZ-FH25VE
	OUTDOOR MODEL	MUZ-FH25VE

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 (mandatory)	Y
Warmer (if designated)	Y
Colder (if designated)	N

Item	symbol	value	unit
Design load			
cooling	P <sub>designc</sub>	2.5	kW
heating/Average	P <sub>designh</sub>	3.0	kW
heating/Warmer	P <sub>designh</sub>	1.7	kW
heating/Colder	P <sub>designh</sub>	x	kW

Item	symbol	value	unit
Seasonal efficiency			
cooling	SEER	9.1	-
heating/Average	SCOP/A	5.1	-
heating/Warmer	SCOP/W	6.3	-
heating/Colder	SCOP/C	x	-

Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	P <sub>dc</sub>	2.5	kW
Tj=30°C	P <sub>dc</sub>	1.9	kW
Tj=25°C	P <sub>dc</sub>	1.3	kW
Tj=20°C	P <sub>dc</sub>	1.3	kW

Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	EERd	5.2	-
Tj=30°C	EERd	7.6	-
Tj=25°C	EERd	10.4	-
Tj=20°C	EERd	15.3	-

Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	P <sub>dh</sub>	2.7	kW
Tj=2°C	P <sub>dh</sub>	1.7	kW
Tj=7°C	P <sub>dh</sub>	1.4	kW
Tj=12°C	P <sub>dh</sub>	1.6	kW
Tj=bivalent temperature	P <sub>dh</sub>	3.0	kW
Tj=operating limit	P <sub>dh</sub>	2.5	kW

Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	COPd	3.6	-
Tj=2°C	COPd	5.1	-
Tj=7°C	COPd	6.6	-
Tj=12°C	COPd	8.2	-
Tj=bivalent temperature	COPd	3.1	-
Tj=operating limit	COPd	2.8	-

Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	P <sub>dh</sub>	1.7	kW
Tj=7°C	P <sub>dh</sub>	1.4	kW
Tj=12°C	P <sub>dh</sub>	1.6	kW
Tj=bivalent temperature	P <sub>dh</sub>	1.7	kW
Tj=operating limit	P <sub>dh</sub>	2.5	kW

Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	COPd	5.1	-
Tj=7°C	COPd	6.6	-
Tj=12°C	COPd	8.2	-
Tj=bivalent temperature	COPd	5.1	-
Tj=operating limit	COPd	2.8	-

Declared capacity for heating/Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	P <sub>dh</sub>	x	kW
Tj=2°C	P <sub>dh</sub>	x	kW
Tj=7°C	P <sub>dh</sub>	x	kW
Tj=12°C	P <sub>dh</sub>	x	kW
Tj=bivalent temperature	P <sub>dh</sub>	x	kW
Tj=operating limit	P <sub>dh</sub>	x	kW
Tj=-15°C	P <sub>dh</sub>	x	kW

Declared coefficient of performance/Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	COPd	x	-
Tj=2°C	COPd	x	-
Tj=7°C	COPd	x	-
Tj=12°C	COPd	x	-
Tj=bivalent temperature	COPd	x	-
Tj=operating limit	COPd	x	-
Tj=-15°C	COPd	x	-

Bivalent temperature			
heating/Average	T <sub>biv</sub>	-10	°C
heating/Warmer	T <sub>biv</sub>	2	°C
heating/Colder	T <sub>biv</sub>	x	°C

Operating limit temperature			
heating/Average	T <sub>ol</sub>	-15	°C
heating/Warmer	T <sub>ol</sub>	-15	°C
heating/Colder	T <sub>ol</sub>	x	°C

Cycling interval capacity			
for cooling	P <sub>cycc</sub>	x	kW
for heating	P <sub>cyh</sub>	x	kW
Degradation co-efficient	C <sub>dc</sub>	0.25	-

Cycling interval efficiency			
for cooling	EER <sub>cycc</sub>	x	-
for heating	COP <sub>cyh</sub>	x	-
Degradation co-efficient	C <sub>dh</sub>	0.25	-

Electric power input in power modes other than 'active mode'			
off mode	P <sub>OFF</sub>	1	W
standby mode	P <sub>SB</sub>	1	W
thermostat - off mode	P <sub>TO</sub>	7	W
crankcase heater mode	P <sub>CK</sub>	0	W

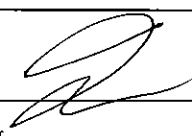
Annual electricity consumption			
cooling	Q <sub>CE</sub>	96	kWh/a
heating/Average	Q <sub>HE</sub>	819	kWh/a
heating/Warmer	Q <sub>HE</sub>	376	kWh/a
heating/Colder	Q <sub>HE</sub>	x	kWh/a

Capacity control (Indicate one of three options)	
fixed	N
staged	N
variable	Y

Other items			
Sound power level (indoor/outdoor)	L <sub>WA</sub>	58/60	dB(A)
Global warming potential	GWP	1975	kgCO <sub>2</sub> eq
Rated air flow (indoor/outdoor)	-	696/1878	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: <a href="mailto:malshiera@nb.MitsubishiElectric.co.jp">malshiera@nb.MitsubishiElectric.co.jp</a>
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(\*) This information is based on the "product information requirement" in COMMISSION REGULATION (EU) No206/2012.

TECHNICAL DOCUMENTATION (1)			
ROOM AIR CONDITIONER	INDOOR MODEL	MSZ-FH25VE	305(+17)H925W234D (mm)
	OUTDOOR MODEL	MUZ-FH25VE	550H800W285D (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
<b>Item</b>	<b>symbol</b>	<b>value</b>	<b>unit</b>
Seasonal efficiency (2)			
cooling	SEER	9.1	-
heating/Average	SCOP/A	5.1	-
heating/Warmer	SCOP/W	6.3	-
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)	LWA	58/60	dB(A)
Refrigerant	-	R410A	-
Global warming potential	GWP	1975	kgCO <sub>2</sub> eq.
identification and signature of the person empowered to bind the supplier			
	Tomoyuki Miwa 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