

# MSZ-F SERIES



## Indoor Unit



MSZ-FH25/35/50VE



## Outdoor Unit



MUZ-FH25/35VE



MUZ-FH50VE

## Remote Controller



Type				Inverter Heat Pump			
Indoor Unit				MSZ-FH25VE	MSZ-FH35VE	MSZ-FH50VE	
Outdoor Unit				MUZ-FH25VE	MUZ-FH35VE	MUZ-FH50VE	
Refrigerant				R410A™			
Power Source				Outdoor Power supply			
Supply	Outdoor ( V / Phase / Hz )			230/Single/50			
Cooling	Design load	kW		2.5	3.5	5.0	
	Annual electricity consumption <sup>(2)</sup>	kWh/a		96	138	244	
	SEER <sup>(4)</sup>			9.1	8.9	7.2	
	Capacity	Energy efficiency class			A+++	A+++	A++
		Rated	kW		2.5	3.5	5.0
Total Input	Rated	kW		1.4-3.5	0.8-4.0	1.9-6.0	
Heating (Average Season) <sup>(5)</sup>	Design load	kW		3.0(-10°C)	3.6(-10°C)	4.5(-10°C)	
	Declared Capacity	at reference design temperature	kW		3.0(-10°C)	3.6(-10°C)	4.5(-10°C)
		at bivalent temperature	kW		3.0(-10°C)	3.6(-10°C)	4.5(-10°C)
		at operation limit temperature	kW		2.5(-15°C)	3.2(-15°C)	5.2(-15°C)
	Back up heating capacity	kW		0.0(-10°C)	0.0(-10°C)	0.0(-10°C)	
	Annual electricity consumption <sup>(2)</sup>	kWh/a		819	986	1372	
	SCOP <sup>(4)</sup>			5.1	5.1	4.6	
	Capacity	Energy efficiency class			A+++	A+++	A++
		Rated	kW		3.2	4.0	6.0
	Total Input	Rated	kW		1.8-5.5	1.0-6.3	1.7-8.7
Operating Current (Max)	Input	A		9.6	10.0	14.0	
	Rated	kW		0.029	0.029	0.031	
Indoor Unit	Operating Current(Max)	A		0.4	0.4	0.4	
	Dimensions	H*W*D	mm	305(+17)-925-234	305(+17)-925-234	305(+17)-925-234	
	Weight		kg	13.5	13.5	13.5	
	Air Volume (SLo-Lo-Mid-Hi-SHi <sup>(3)</sup> (Dry/Wet))	Cooling	m³/min		3.9-4.7-6.3-8.6-11.6	3.9-4.7-6.3-8.6-11.6	6.4-7.4-8.6-10.1-12.4
		Heating	m³/min		4.0-4.7-6.4-9.2-13.2	4.0-4.7-6.4-9.2-13.2	5.7-7.2-9.0-11.2-14.6
	Sound Level (SPL)	Cooling	dB(A)		20-23-29-36-42	21-24-29-36-42	27-31-35-39-44
		Heating	dB(A)		20-24-29-36-44	21-24-29-36-44	25-29-34-39-46
	Sound Level (PWL)	Cooling	dB(A)		58	58	60
		Heating	dB(A)		58	58	60
	Dimensions	H*W*D	mm		550-800-285	550-800-285	880-840-330
Weight		kg		37	37	55	
Outdoor Unit	Air Volume	Cooling	m³/min		31.3	33.6	48.8
		Heating	m³/min		31.3	33.6	51.3
	Sound Level (SPL)	Cooling	dB(A)		46	49	51
		Heating	dB(A)		49	50	54
	Sound Level (PWL)	Cooling	dB(A)		60	61	64
Operating Current (Max)	A			9.6	9.6	13.6	
Breaker Size	A			9.2	10	16	
Ext. Piping	Diameter	Liquid/Gas	mm		6.35/9.52	6.35 / 12.7	
	Max.Length	Out-In	m		20	30	
	Max.Height	Out-In	m		12	15	
Guaranteed Operating Range (Outdoor)	Cooling	°C		-10 ~ +46	-10 ~ +46	-10 ~ +46	
	Heating	°C		-15 ~ +24	-15 ~ +24	-15 ~ +24	

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP. If leaked to the atmosphere, this appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(3) SHi: Super High

(4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(5) Please see page 47 for heating (warmer season) specifications.