

# MFZ-KJ SERIES



## Indoor Unit

**R410A**



MFZ-KJ25/35/50VE2



## Outdoor Unit

**R410A**



MUFG-KJ25/35VE



MUFG-KJ50VE

## Remote Controller



Type		Inverter Heat Pump				
Indoor Unit		MFZ-KJ25VE2	MFZ-KJ35VE2	MFZ-KJ50VE2		
Outdoor Unit		MUFG-KJ25VE	MUFG-KJ35VE	MUFG-KJ50VE		
Refrigerant		R410A <sup>(*)</sup>	R410A <sup>(*)</sup>	R410A <sup>(*)</sup>		
Power Supply	Source	Outdoor power 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	102	150	266	
	SEER <sup>(4)</sup>		8.5	8.1	6.5	
	Capacity	Energy efficiency class		A+++	A++	A++
		Rated	kW	2.5	3.5	5.0
Total Input	Min-Max	kW	0.5 - 3.4	0.5 - 3.7	1.6 - 5.7	
	Rated	kW	0.540	0.940	1.410	
Heating (Average Season)	Design load	kW	3.4(-10°C)	3.5(-10°C)	4.4(-10°C)	
	Declared Capacity	at reference design temperature	kW	3.4(-10°C)	3.5(-10°C)	4.4(-10°C)
		at bivalent temperature	kW	3.4(-10°C)	3.5(-10°C)	4.4(-10°C)
		at operation limit temperature	kW	2.4(-15°C)	2.9(-15°C)	6.0(-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	1059	1110	1406	
	SCOP <sup>(4)</sup>		4.5	4.4	4.3	
Capacity	Energy efficiency class		A+	A+	A+	
	Rated	kW	3.4	4.3	6.0	
	Min-Max	kW	1.2 - 4.6	1.2 - 5.5	2.2 - 8.2	
Total Input	Rated	kW	0.770	1.100	1.610	
	Rated	kW	0.770	1.100	1.610	
Operating Current (Max)	Input	A	9.4	9.4	14.0	
	Rated	kW	0.016	0.016	0.038	
Indoor Unit	Operating Current(Max)	A	0.17	0.17	0.34	
	Dimensions	H*W*D	600-750-215	600-750-215	600-750-215	
	Weight	kg	15	15	15	
	Air Volume (SLo-Lo-Mid-Hi-SHi <sup>(3)</sup> )	Cooling	m <sup>3</sup> /min	3.9 - 4.9 - 5.9 - 7.1 - 8.2	3.9 - 4.9 - 5.9 - 7.1 - 8.2	5.6 - 6.7 - 8.0 - 9.3 - 10.6
		Heating	m <sup>3</sup> /min	3.9 - 5.1 - 6.2 - 7.7 - 9.7	3.9 - 5.1 - 6.2 - 7.7 - 9.7	6.0 - 7.4 - 9.4 - 11.6 - 14.0
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi <sup>(3)</sup> )	Cooling	dB(A)	20 - 25 - 30 - 35 - 39	20 - 25 - 30 - 35 - 39	27 - 31 - 35 - 39 - 44
		Heating	dB(A)	19 - 25 - 30 - 35 - 41	19 - 25 - 30 - 35 - 41	29 - 35 - 40 - 45 - 50
	Sound Level (PWL)	dB(A)	49	50	56	
	Dimensions	H*W*D	mm	550-800-285	550-800-285	880-840-330
	Weight	kg	37	37	55	
Outdoor Unit	Air Volume	Cooling	m <sup>3</sup> /min	31.3	31.3	45.8
		Heating	m <sup>3</sup> /min	33.6	33.6	45.8
	Sound Level (SPL)	Cooling	dB(A)	46	47	49
		Heating	dB(A)	51	51	51
	Sound Level (PWL)	dB(A)	59	60	63	
Operating Current(Max)	A	9.2	9.2	13.6		
Breaker Size	A	10	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".