MFZ-KW SERIES

DC Inverter · DC Fan Motor · PAM · Grooved Piping · SEER A+++ · SCOP A+

Indoor Unit

R32 Single



MFZ-KW25/35/50/60VG

GOOD DESIGN AWARD 2014

Outdoor Unit



MUFZ-KW25/35VGHZ



MUFZ-KW50/60VGHZ

Remote Controller



Econo Cool · Pure White · AUTO VANE · Silver-ion (Optional) · V Blocking Filter · Air Purifying · SWING · AUTO · Weekly Timer · i save · ACO · Auto Restart · Low Temp Cooling (Optional) · Group Control (Optional)

M-NET connection (Optional) · Wi-Fi Interface (Optional) · 10°C · Cleaning-free pipe route · Flare connection · Self Diagnosis · Failure Recall

Type					Inverter Heat Pump			
Indoor Unit					MFZ-KW25VG	MFZ-KW35VG	MFZ-KW50VG	MFZ-KW60VG
Outdoor Unit					MUFZ-KW25VGHZ	MUFZ-KW35VGHZ	MUFZ-KW50VGHZ	MUFZ-KW60VGHZ
Refrigerant					R32 (*1)			
Power Supply	Source				Outdoor power supply			
	Outdoor (V/Phase/Hz)				230 / Single / 50			
Cooling	Design Load			kW	2.5	3.5	5.0	6.1
	Annual Electricity Consumption (*2)			kWh/a	103	151	255	316
	SEER (*4)				8.5	8.1	6.8	6.7
		Energy Efficiency Class			A+++	A++	A++	A++
	Capacity	Rated		kW	2.5	3.5	5.0	6.1
		Min - Max		kW	0.7 - 3.6	0.7 - 4.3	1.0 - 5.8	1.0 - 6.5
	Total Input	Rated		kW	0.57	0.90	1.36	1.73
Heating (Average Season)	Design Load			kW	3.5	3.6	4.5	4.8
	Declared Capacity	at reference design temperature		kW	3.5 (–10°C)	3.6 (–10°C)	4.5 (–10°C)	4.8 (–10°C)
		at bivalent temperature		kW	3.5 (–10°C)	3.6 (–10°C)	4.5 (–10°C)	4.8 (–10°C)
		at operation limit temperature		kW	2.6 (–25°C)	2.6 (–25°C)	4.0 (–25°C)	4.0 (–25°C)
	Back Up Heating Capacity			kW	0.0 (–10°C)	0.0 (–10°C)	0.0 (–10°C)	0.0 (–10°C)
	Annual Electricity Consumption (*2)			kWh/a	1188	1211	1500	1624
	SCOP (*4)				4.1	4.1	4.2	4.1
		Energy Efficiency Class			A+	A+	A+	A+
	Capacity	Rated		kW	3.4	4.3	6.0	6.5
		Min - Max		kW	0.2 - 5.1	0.2 - 6.0	1.2 - 8.4	1.2 - 9.0
	Total Input	Rated		kW	0.83	1.21	1.60	1.88
Operating Current (max)				A	9.9	10.3	15.3	15.4
Indoor Unit	Input (Cooling/Heating)		Rated	kW	0.019/0.025	0.019/0.025	0.026/0.052	0.063/0.059
	Operating Current (max)			A	0.22	0.22	0.47	0.55
	Dimensions		H × W × D	mm	600 - 750 - 215			
	Weight			kg	15	15	15	15
	Air Volume (SLo-Lo-Mid-Hi-SHi (*3))		Cooling	m^3/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	5.6 - 8.0 - 9.6 - 12.3 - 15.0
			Heating	m^3/min	3.5 - 5.1 - 6.2 - 7.7 - 9.7	3.5 - 5.1 - 6.2 - 7.7 - 9.7	6.0 - 7.4 - 9.4 - 11.6 - 14.0	6.0 - 7.7 - 9.7 - 12.5 - 14.6
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi (*3))		Cooling	dB(A)	20 - 25 - 30 - 35 - 39	20 - 25 - 30 - 35 - 39	27 - 31 - 35 - 39 - 44	27 - 35 - 39 - 46 - 53
			Heating	dB(A)	18 - 25 - 30 - 35 - 41	18 - 25 - 30 - 35 - 41	29 - 35 - 40 - 45 - 50	29 - 35 - 41 - 47 - 51
	Sound Level (PWL)			dB(A)	49	50	56	65
Outdoor Unit	Dimensions		H × W × D	mm	550 - 800 - 285		880 - 840 - 330	
	Weight			kg	35	35	54	54
	Air Volume		Cooling	m^3/min	32.7	32.7	43.8	48.8
			Heating	m^3/min	27.3	27.3	46.3	51.3
	Sound Level (SPL)		Cooling	dB(A)	47	47	50	52
			Heating	dB(A)	46	47	54	56
	Sound Level (PWL)		Cooling	dB(A)	61	61	65	66
	Operating Current (max)			A	9.6	10.0	14.8	14.8
	Breaker Size			A	10	12	16	16
Ext. Piping	Diameter		Liquid / Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7
	Max. Length		Out-In	m	20	20	30	30
	Max. Height		Out-In	m	12	12	15	15
Guaranteed Operating Range (Outdoor)			Cooling	°C	–10 ~ +46	–10 ~ +46	–10 ~ +46	–10 ~ +46
			Heating	°C	–25 ~ +24	–25 ~ +24	–25 ~ +24	–25 ~ +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_2, 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.
The GWP of R410A is 2088 in the IPCC 4th Assessment Report.
(*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".