

MFZ-KW SERIES



Indoor Unit



MFZ-KW25/35/50/60VG



Outdoor Unit

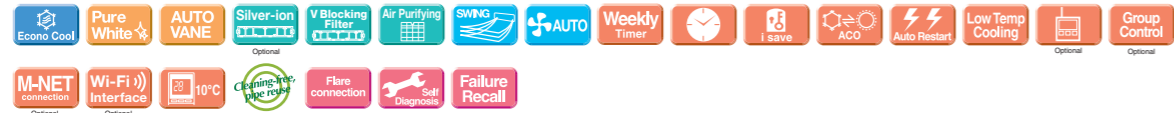


MUFZ-KW25/35VGHZ



MUFZ-KW50/60VGHZ

Remote Controller



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	
	Capacity	Energy Efficiency Class		A+++	A++	A++	A++
		Rated	kW	2.5	3.5	5.0	6.1
Heating (Average Season)	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	
Capacity	Energy Efficiency Class		A+	A+	A+	A+	
	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	
Operating Current (max)	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 x W x D	mm	600 - 750 - 215			
	Weight	kg	15	15	15	15	
	Air Volume (SLo-Lo-Mid-Hi-SH) ^{(*)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
Sound Level (SPL)	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	
	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)	Cooling	dB(A)	49	50	56	65	
	Heating	dB(A)	49	50	56	65	
	Operating Current (max)	A	9.9	10.3	15.3	15.4	
Outdoor Unit	Dimensions	H x W x 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
Sound Level (PWL)	Heating	dB(A)	46	47	54	56	
	Cooling	dB(A)	61	61	65	66	
	Heating	dB(A)	61	61	65	66	
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				
	Heating	°C	-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 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg of CO₂, 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 SH: 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".

ZUBADAN SERIES

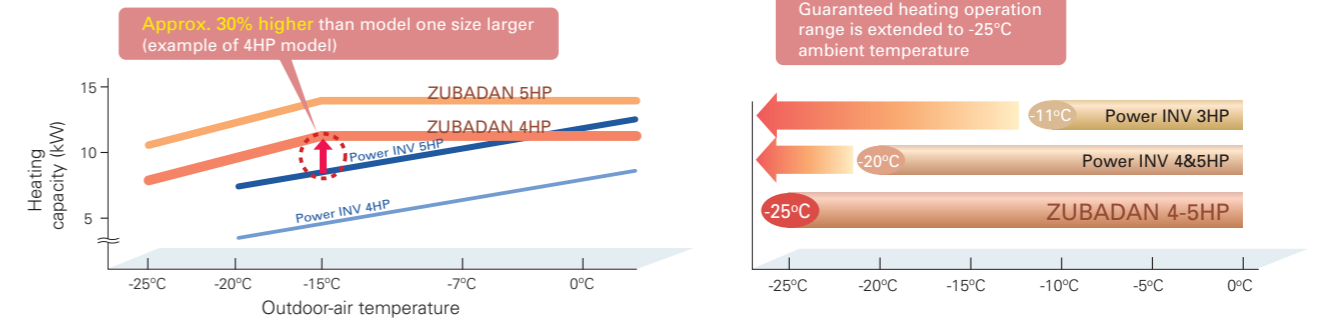
The ZUBADAN Series incorporates an original Flash Injection technology that improves the already high heating capacity of the system. This new member of the series line-up ensures comfortable heat pump-driven heating performance in cold regions.



* Units in photo are Japanese models. European model specifications are different.

Improved Heating Performance

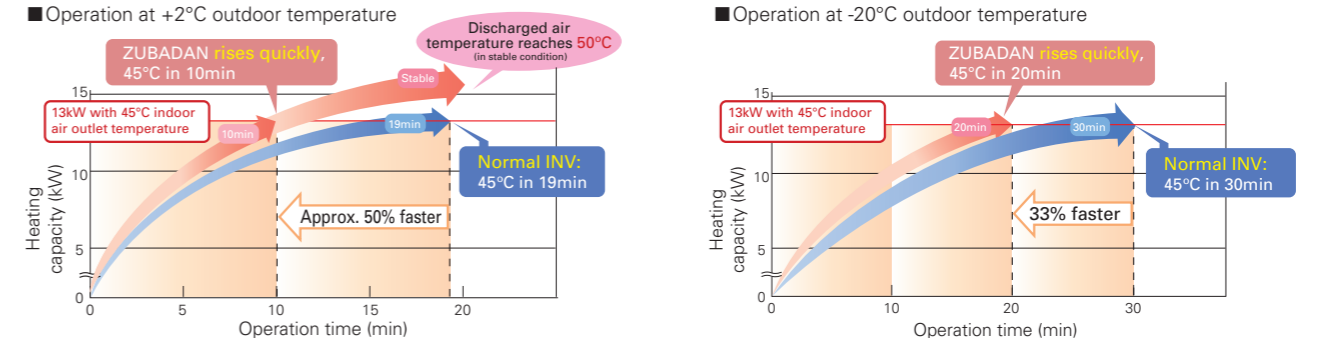
Mitsubishi Electric's unique "Flash Injection" circuit achieves remarkably high heating performance. This technology has resulted in an excellent heating capacity rating in outdoor temperatures as low as -15°C, and the guaranteed heating operation range of the heating mode has been extended to -25°C. Accordingly, the heat-pump units of the ZUBADAN Series are perfect for warming homes in the coldest of regions.



Enhanced Comfort

The Flash Injection circuit improves start-up and recover from the defrosting operation. A newly introduced defrost operation control also improves defrost frequency. These features enable the temperature to reach the set temperature more quickly, and contribute to maintaining it at the desired setting.

Quick Start-up



ZUBADAN Defrost Control and Faster Recovery from Defrost Operation

