FT VGHZ SERIES

R32 Single / Multi

Unlike conventional air conditioning systems, the FT Series don't lose heating capacity when it's cold outside. Original technologies ensure excellent heating performance under extremely low outdoor temperatures and an impressive guaranteed operating range. Furthermore, the smaller and stylish indoor unit does not give you the limitation of installation location.



MSZ-FT25/35/50VG(K)



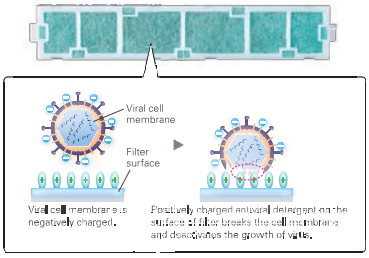
Compact Design

The FT series features its compact design with 280mm height and 229mm depth, which is suitable for the installation above the door.



V Blocking Filter (Optional)

V Blocking Filter with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen.
Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.



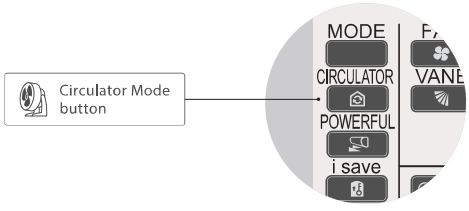
Remote Controller with Backlight

The remote controller screen is equipped with an LED backlight. The luminous screen allows you to check the setting easily even in the dark.



Circulator Mode

After reaching the target temperature, heating mode will automatically switch to Circulator mode, which makes the unit go into "fan-only" state and mixes warm air in the room.



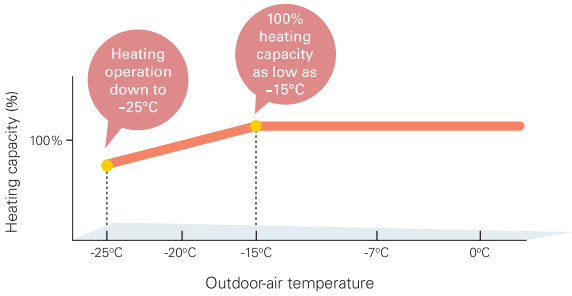
Built-in Wi-Fi

(MSZ-FT25/35/50VGK)

Mitsubishi Electric Wi-Fi Control gives you the freedom to tailor your heating and cooling needs through computers, tablets, or smartphones from anywhere.

Hyper Heating

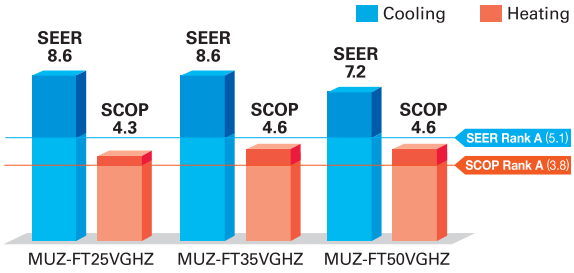
Mitsubishi Electric's powerful compressor and highly cold-resistant parts enable the heat pump to provide 100% or more heating capacity even at –15°C, and also the heating operation is guaranteed down to –25°C.



High Energy Efficiency – Energy Rank of A+ or higher for All Models

DC Inverter

With indoor units that combine functionality, design and capacity and outdoor units equipped with a high-efficiency compressor, the MUZ-FT VGHZ simultaneously achieves high heating capacity and energy-saving performance.



(MSZ-FT25/35/50VG(K)-SC Scandinavian Model)

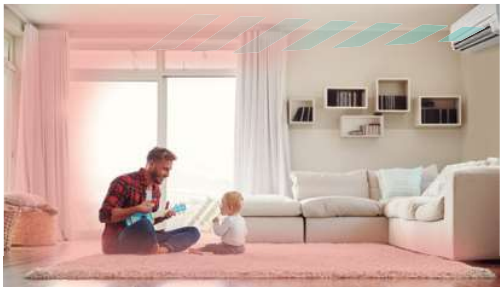


Image is for illustration purposes.

MSZ-FT VGHZ SERIES

DC Inverter · Joint Lap · DC Fan Motor · PAM · Grooved Piping · 25-35 SEER A+++ · 25-35 SCOP A++

Indoor Unit



MSZ-FT25/35/50VG(K)

Outdoor Unit



MUZ-FT25VGHZ



MUZ-FT35/50VGHZ

Remote Controller



Econo Cool (-E / -ET Only) · V Blocking Filter · Air Purifying · SWING · SWING · AUTO · Circulator Mode · Weekly Timer · i save · ACO · Auto Restart · Low Temp Cooling · Optional · Group Control · Optional · M-NET connection · Optional

Wi-Fi Interface (VGK Only) · 10°C · Indoor · Night · Back Light Remote · Cleaning-free pipe route · Flare connection · Self Diagnosis · Failure Recall

Type					Inverter Heat Pump		
Indoor Unit					MSZ-FT25VG(K)	MSZ-FT35VG(K)	MSZ-FT50VG(K)
Outdoor Unit					MUZ-FT25VGHZ	MUZ-FT35VGHZ	MUZ-FT50VGHZ
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
	Annual Electricity Consumption (*2)			kWh/a	101	142	243
	SEER (*4)				8.6	8.6	7.2
		Energy Efficiency Class			A+++	A+++	A++
	Capacity	Rated		kW	2.5	3.5	5.0
		Min - Max		kW	0.8 - 3.5	0.8 - 4.0	0.8 - 5.2
	Total Input	Rated		kW	0.580	0.910	1.630
Heating (Average Season)(*5)	Design Load			kW	3.2 (–10°C)	4.0 (–10°C)	5.0 (–10°C)
	Declared Capacity	at reference design temperature		kW	3.2 (–10°C)	4.0 (–10°C)	5.0 (–10°C)
		at bivalent temperature		kW	3.2 (–10°C)	4.0 (–10°C)	5.0 (–10°C)
		at operation limit temperature		kW	3.0 (–25°C)	3.4 (–25°C)	3.6 (–25°C)
	Back Up Heating Capacity			kW	0.0 (–10°C)	0.0 (–10°C)	0.0 (–10°C)
	Annual Electricity Consumption (*2)			kWh/a	973	1216	1625
	SCOP (*4)				4.6	4.6	4.3
		Energy Efficiency Class			A++	A++	A+
	Capacity	Rated		kW	3.2	4.0	5.0
		Min - Max		kW	0.9 - 6.2	0.9 - 6.6	0.9 - 7.8
	Total Input	Rated		kW	0.760	1.020	1.300
Operating Current (max)				A	10.0	11.6	13.9
Indoor Unit	Input		Rated	kW	0.039	0.04	0.047
	Operating Current (max)			A	0.4		
	Dimensions		H × W × D	mm	280 - 838 - 229		
	Weight			kg	10		
	Air Volume (SLo-Lo-Mid-Hi-SHi (*3))		Cooling	m^3/min	3.9 - 5.9 - 8.2 - 10.4 - 12.3	3.9 - 6.1 - 8.3 - 10.7 - 13.1	5.5 - 7.6 - 9.8 - 12.0 - 13.1
			Heating	m^3/min	3.9 - 6.3 - 9.0 - 12.0 - 13.2	3.9 - 6.9 - 10.2 - 13.5 - 14.7	5.5 - 8.4 - 11.4 - 14.4 - 15.5
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi (*3))		Cooling	dB(A)	19 - 27 - 36 - 41 - 46	19 - 27 - 36 - 42 - 47	28 - 34 - 40 - 45 - 48
			Heating	dB(A)	19 - 31 - 39 - 46 - 49	19 - 33 - 42 - 49 - 52	28 - 36 - 45 - 51 - 54
	Sound Level (PWL)			dB(A)	60		
Outdoor Unit	Dimensions		H × W × D	mm	550 - 800 - 285	714 - 800 - 285	714 - 800 - 285
	Weight			kg	34	40	40
	Air Volume		Cooling	m^3/min	30.4	40.2	40.2
			Heating	m^3/min	30.4	40.2	40.2
	Sound Level (SPL)		Cooling	dB(A)	46	49	51
			Heating	dB(A)	49	52	54
	Sound Level (PWL)		Cooling	dB(A)	60	61	64
	Operating Current (max)			A	9.6	11.2	13.5
	Breaker Size			A	12	12	16
Ext. Piping	Diameter		Liquid / Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
	Max. Length		Out-In	m	20	30	30
	Max. Height		Out-In	m	12	15	15
Guaranteed Operating Range [Outdoor]			Cooling	℃	–10 ~ +46	–10 ~ +46	–10 ~ +46
			Heating	℃	–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".
(*5) Please see page 53-55 for heating (warmer season) specifications.