

# FT VGHZ SERIES



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.



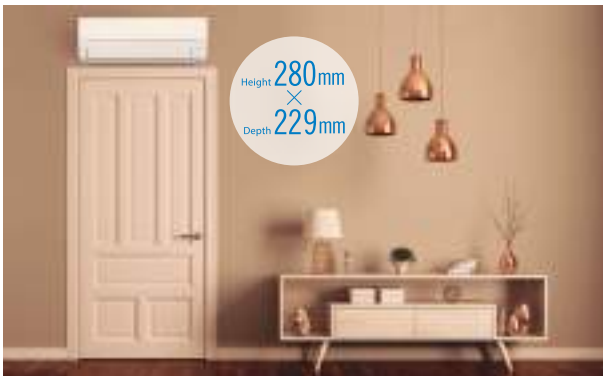
MSZ-FT25/35/50VG(K)



Powerful Core for powerful heating

## Compact Design

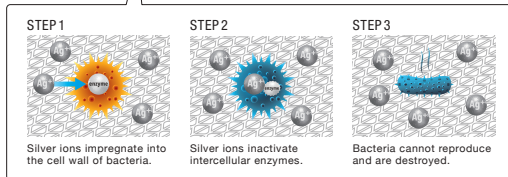
The FT series features its compact design with 280mm height and 229mm depth, which is suitable for the installation above the door.



Height 280mm  
Depth 229mm

## Silver-ionized Air Purifier Filter

The high performance filter is attached as standard. Captures the bacteria, pollen and other allergens in the air and neutralises them.



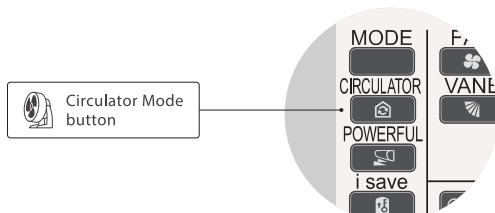
## Remote Controller with Backlight

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.



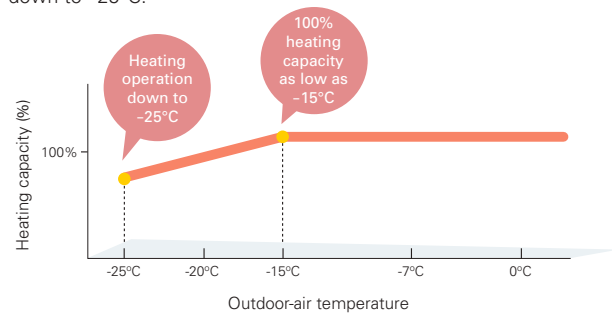
## Built-in Wi-Fi

(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

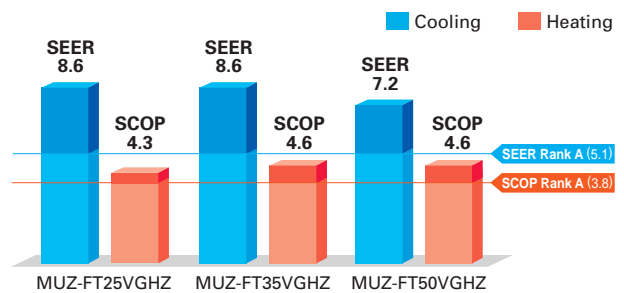
Mitsubishi Electric's powerful compressor and highly cold-resistant parts enable the heat pump to provide 100% or more heating capacity even at  $-15^{\circ}\text{C}$ , and also the heating operation is guaranteed down to  $-25^{\circ}\text{C}$ .



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



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)

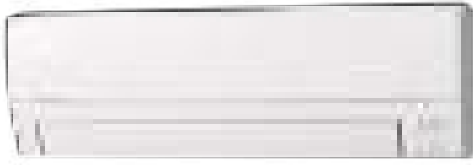


Image is for illustration purposes.

# MSZ-FT SERIES



## Indoor Unit



MSZ-FT25/35/50VG(K)

## Outdoor Unit



MUZ-FT25VGHZ



MUZ-FT35/50VGHZ

## Remote Controller



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 <sup>(*)1</sup>										
Power Supply		Outdoor power supply										
Source		230 / Single / 50										
Outdoor (V/Phase/Hz)												
Cooling	Design Load		kW		2.5		3.5		5.0			
	Annual Electricity Consumption <sup>(*)2</sup>		kWh/a		101		142		243			
	SEER <sup>(*)4</sup>				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) <sup>(*)5</sup>	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 <sup>(*)2</sup>		kWh/a		973		1216		1625			
	SCOP <sup>(*)4</sup>				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 x W x D		mm		280 - 838 - 229					
	Weight				kg		10					
	Air Volume		Cooling		m <sup>3</sup> /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 <sup>3</sup> /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)		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 x W x D		mm		550 - 800 - 285		714 - 800 - 285		714 - 800 - 285
Weight				kg		34		40		40		
Air Volume		Cooling		m <sup>3</sup> /min		30.4		40.2		40.2		
		Heating		m <sup>3</sup> /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		°C		-10 ~ +46		-10 ~ +46		-10 ~ +46		
		Heating		°C		-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 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg 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. 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 51-52 for heating (warmer season) specifications.