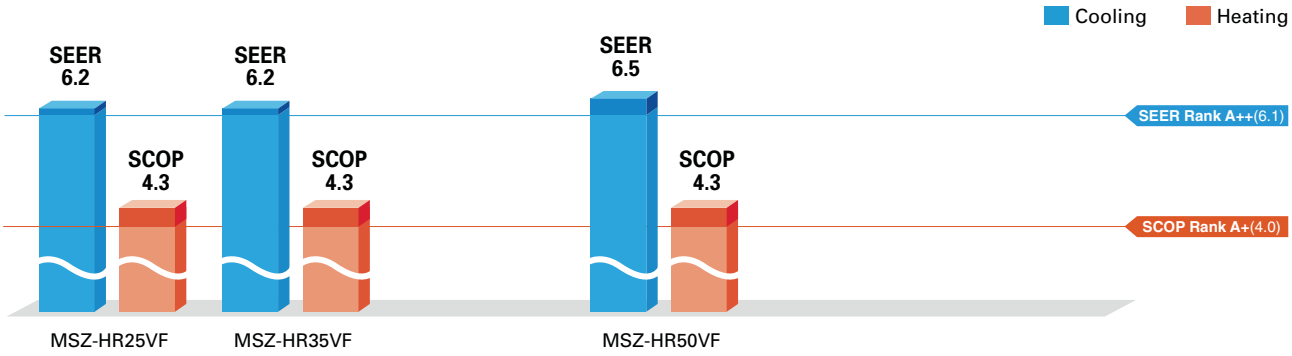
MSZ-HR SERIES

Compact, high-performance indoor and outdoor units with R32 that is low global warming potential compared with the current refrigerant R410A contribute to room comfort and to prevent global warming.

"Rank A++/A+" Energy Savings Achieved for Entire Range of Series

All models in the series, from capacity 25 to 71, have achieved the "Rank A++" for SEER and "Rank A+" for SCOP as energy-savings rating, thanks to Mitsubishi Electric's inverter technologies which are adopted to provide automatic adjustment of operation load according to need.



Simple and Friendly Design

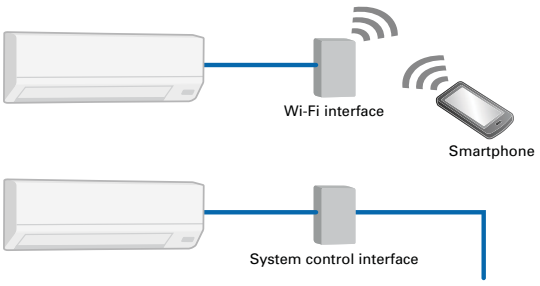
The round front surface provides a simple and friendly impression. And the width of indoor unit is compact, making installation in smaller, tighter spaces possible.

Wi-Fi and System Control

Wi-Fi Interface (Built-in) ✻Only VGK model
Built-in interface enabling users to control air conditioners and check operating status via devices such as personal computers, tablets and smartphones.

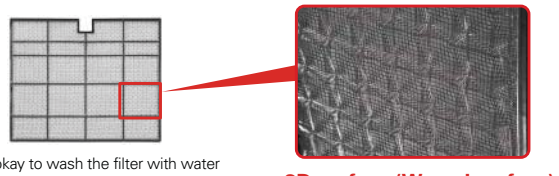
System Control Interface (Optional)
- Remote on/off operation is possible by input to the connector.
- Depending on the interface used, connecting a wired remote-control such as the PAR-41MAA is possible.
- Centralised control is possible when connected to M-NET.

*Wi-Fi Interface and System Control Interface cannot be used simultaneously.



Air Purifying Filter

This filter generates stable antibacterial and deodorising effects. The size of the three-dimensional surface has been increased as well, enlarging the filter capture area. These features give the Air Purifying Filter better dust collection performance than conventional filters. The superior air-cleaning effectiveness raises room comfort yet another level.



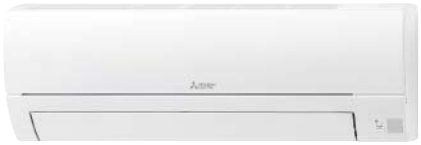
✻ It is okay to wash the filter with water (air-cleaning effect is maintained)

3D surface (Waved surface)

MSZ-HR SERIES

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

Indoor Unit R32



MSZ-HR25/35/50VF(K)

Outdoor Unit

MUZ-HR25VF

MUZ-HR35VF

MUZ-HR50VF

Remote Controller

Econo Cool · Natural White · AUTO VANE · V Blocking Filter (Optional) · Air Purifying · SWING · AUTO · Auto Restart · Low Temp Cooling · Optional · Centralised On/Off (Optional) · Group Control (Optional) · Wi-Fi Interface (Optional) · MXZ connection (MXZ-HA only) · Cleaning-free pipe route · Flare connection · Self Diagnosis · Failure Recall

Type				Inverter Heat Pump			
Indoor Unit				MSZ-HR25VF(K)	MSZ-HR35VF(K)		MSZ-HR50VF(K)
Outdoor Unit				MUZ-HR25VF	MUZ-HR35VF		MUZ-HR50VF
Refrigerant				R32(*1)			
Power Supply	Source			Outdoor Power supply			
	Outdoor (V / Phase / Hz)			230V/Single/50Hz			
Cooling	Design load		kW	2.5	3.4		5.0
	Annual electricity consumption (*2)		kWh/a	141	191		269
	SEER (*4)			6.2	6.2		6.5
		Energy efficiency class		A++	A++		A++
	Capacity	Rated	kW	2.5	3.4		5.0
		Min-Max	kW	0.5-2.9	0.9-3.4		1.3-5.0
	Total Input	Rated	kW	0.800	1.210		2.050
Heating (Average Season)(*5)	Design load		kW	1.9 (-10°C)	2.4 (-10°C)		3.8 (-10°C)
	Declared Capacity	at reference design temperature	kW	1.9 (-10°C)	2.4 (-10°C)		3.8 (-10°C)
		at bivalent temperature	kW	1.9 (-10°C)	2.4 (-10°C)		3.8 (-10°C)
		at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)		3.8 (-10°C)
	Back up heating capacity		kW	0.0 (-10°C)	0.0 (-10°C)		0.0 (-10°C)
	Annual electricity consumption (*2)		kWh/a	614	781		1224
	SCOP (*4)			4.3	4.3		4.3
		Energy efficiency class		A+	A+		A+
	Capacity	Rated	kW	3.15	3.6		5.4
		Min-Max	kW	0.7-3.5	0.9-3.7		1.4-6.5
	Total Input	Rated	kW	0.850	0.975		1.550
Operating Current (Max)			A	5.0	6.7		10.0
Indoor Unit	Input	Rated	kW	0.020	0.028		0.039
	Operating Current(Max)		A	0.2	0.27		0.36
	Dimensions	H*W*D	mm	280-838-228	280-838-228		280-838-228
	Weight		kg	8.5	8.5		9
	Air Volume (Lo-Mid-Hi-SHi(*3))	Cooling	m^3/min	3.6 - 5.4 - 7.2 - 9.7	3.6 - 5.6 - 7.8 - 11.7		6.4 - 9.2 - 11.2 - 13.1
		Heating	m^3/min	3.3 - 5.4 - 7.4 - 10.1	3.3 - 5.4 - 7.4 - 10.5		6.1 - 8.3 - 11.2 - 14.5
	Sound Level (SPL) (Lo-Mid-Hi-SHi(*3))	Cooling	dB(A)	21 - 30 - 37 - 43	22 - 31 - 38 - 46		28 - 36 - 40 - 45
		Heating	dB(A)	21 - 30 - 37 - 43	21 - 30 - 37 - 44		27 - 34 - 41 - 47
	Sound Level (PWL)	Cooling	dB(A)	57	60		60
Outdoor Unit	Dimensions	H*W*D	mm	538-699-249	538-699-249		550-800-285
	Weight		kg	23	24		35
	Air Volume	Cooling	m^3/min	30.3	32.2		30.4
		Heating	m^3/min	30.3	32.2		32.7
	Sound Level (SPL)	Cooling	dB(A)	50	51		50
		Heating	dB(A)	50	51		51
	Sound Level (PWL)	Cooling	dB(A)	63	64		64
	Operating Current (Max)		A	4.8	6.4		9.6
	Breaker Size		A	10	10		12
Ext. Piping	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52		6.35 / 9.52
	Max.Length	Out-In	m	20	20		20
	Max.Height	Out-In	m	12	12		12
Guaranteed Operating Range (Outdoor)		Cooling	°C	-10 ~ +46	-10 ~ +46		-10 ~ +46
		Heating	°C	-10 ~ +24	-10 ~ +24		-10 ~ +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 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 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 R32 is 675 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.