

MSZ-HR SERIES

MSZ-HR25/35/42/50VF

R32

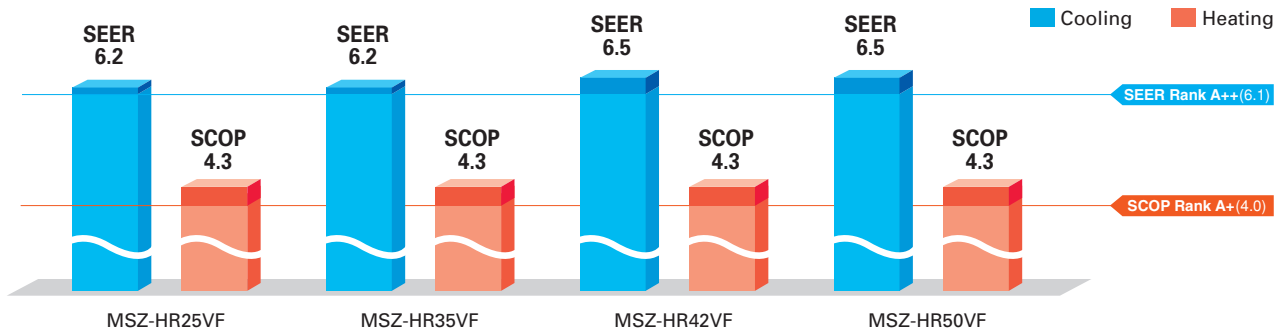


Compact, high-performance indoor and outdoor units with R32 that is low global warming potential compared with the current refrigerant R410A contribute to room comfort and to prevent global warming.

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



All models in the series, from capacity 25 to 50, 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

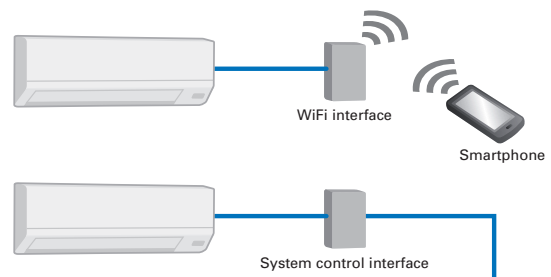
Wi-Fi Interface (Optional)

Optional 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-40MAA is possible.
- Centralised control is possible when connected to M-NET.

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



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Indoor Unit



MSZ-HR25/35/42/50VF

Outdoor Unit



MUZ-HR25VF

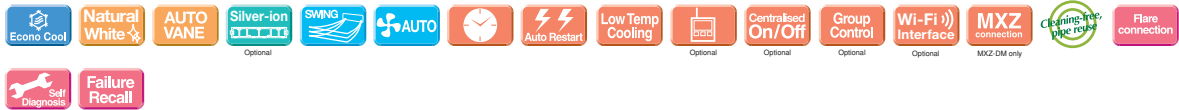


MUZ-HR35VF



MUZ-HR42/50VF

Remote Controller



Type	Inverter Heat Pump						
Indoor Unit	MSZ-HR25VF	MSZ-HR35VF	MSZ-HR42VF	MSZ-HR50VF			
Outdoor Unit	MUZ-HR25VF	MUZ-HR35VF	MUZ-HR42VF	MUZ-HR50VF			
Refrigerant	R32 ⁽¹⁾						
Power Source	Indoor Power supply						
Supply	Outdoor (V / Phase / Hz)						
					230V/Single/50Hz		
Cooling	Design load	kW	2.5	3.4	4.2	5.0	
	Annual electricity consumption ⁽²⁾	kWh/a	141	191	226	269	
	SEER ⁽⁴⁾		6.2	6.2	6.5	6.5	
	Capacity	Energy efficiency class		A++	A++	A++	A++
		Rated	kW	2.5	3.4	4.2	5.0
	Min-Max	kW	0.5-2.9	0.9-3.4	1.1-4.6	1.3-5.0	
	Total Input	Rated	kW	0.800	1.210	1.340	2.050
Heating (Average Season) ⁽³⁾	Design load	kW	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	
	Declared Capacity	at reference design temperature	kW	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)
		at bivalent temperature	kW	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)
		at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°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	614	781	928	1224	
	SCOP ⁽⁴⁾		4.3	4.3	4.3	4.3	
	Capacity	Energy efficiency class		A+	A+	A+	A+
		Rated	kW	3.15	3.6	4.7	5.4
		Min-Max	kW	0.7-3.5	0.9-3.7	0.9-5.4	1.4-6.5
	Total Input	Rated	kW	0.850	0.975	1.300	1.550
Operating Current (Max)	Input	Rated	kW	0.020	0.028	0.032	0.039
	Operating Current(Max)	A	0.2	0.27	0.3	0.36	
Indoor Unit	Dimensions	H*W*D	mm	280-838-228	280-838-228	280-838-228	280-838-228
	Weight		kg	8.5	8.5	9	9
	Air Volume (Lo-Mid-Hi-SH) ⁽⁵⁾ (Dry/Wet)	Cooling	m ³ /min	3.6 - 5.4 - 7.2 - 9.7	3.6 - 5.6 - 7.8 - 11.7	6.0 - 8.7 - 10.8 - 13.1	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	5.6 - 7.9 - 10.8 - 13.4	6.1 - 8.3 - 11.2 - 14.5
	Sound Level (SPL) (Lo-Mid-Hi-SH) ⁽⁵⁾	Cooling	dB(A)	21 - 30 - 37 - 43	22 - 31 - 38 - 46	24 - 34 - 39 - 45	26 - 36 - 40 - 45
		Heating	dB(A)	21 - 30 - 37 - 43	21 - 30 - 37 - 44	24 - 32 - 40 - 46	27 - 34 - 41 - 47
	Sound Level (PWL)	Cooling	dB(A)	57	60	60	60
		Heating	dB(A)	57	60	60	60
	Dimensions	H*W*D	mm	538-699-249	538-699-249	550-800-285	550-800-285
	Weight		kg	23	24	34	35
Outdoor Unit	Air Volume	Cooling	m ³ /min	30.3	32.2	30.4	30.4
		Heating	m ³ /min	30.3	32.2	32.7	32.7
	Sound Level (SPL)	Cooling	dB(A)	50	51	50	50
		Heating	dB(A)	50	51	51	51
	Sound Level (PWL)	Cooling	dB(A)	63	64	64	64
Operating Current (Max)	A	4.8	6.4	8.2	9.6		
Breaker Size	A	10	10	10	12		
Ext. Piping	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
	Max.Length	Out-In	m	20	20	20	20
	Max.Height	Out-In	m	12	12	12	12
Guaranteed Operating Range (Outdoor)	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	
	Heating	°C	-10 ~ +24	-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 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 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 00 for heating (warmer season) specifications.