

# 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.

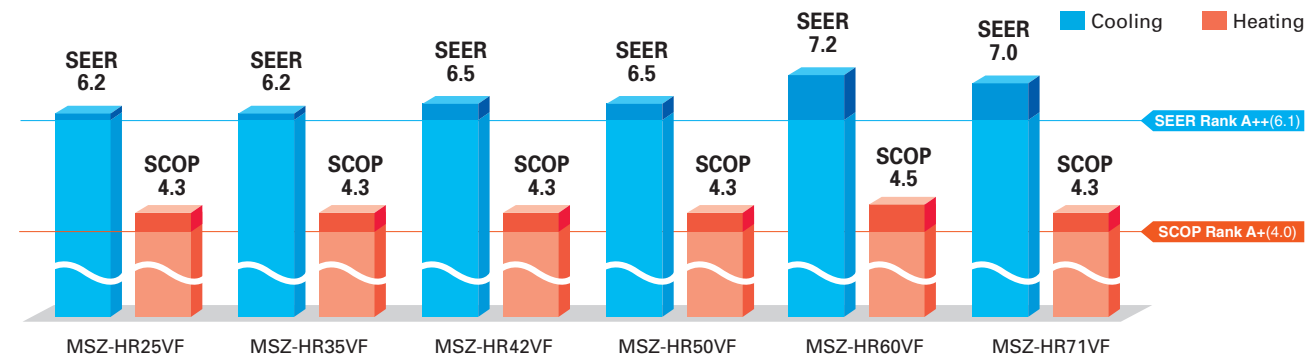
R32



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

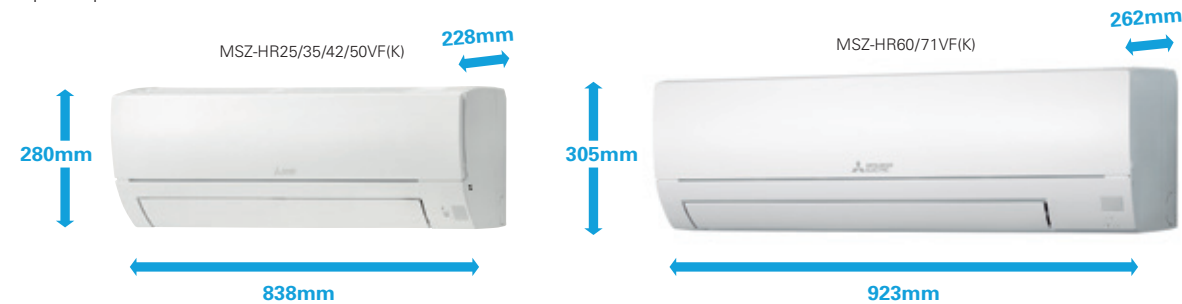


All models in the series, from capacity 25 to 71, have achieved the "Rank A++" for SEER and "Rank A+" for SCOP as energy-savings rating, thanks to Mitsubishi Electric's inverter technologies which are adopted to provide automatic adjustment of operation load according to need.



## Simple and Friendly Design

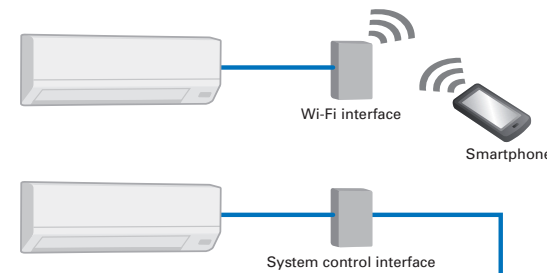
The round front surface provides a simple and friendly impression. And the width of indoor unit is compact, making installation in smaller, tighter spaces possible.



## Wi-Fi and System Control

### Wi-Fi Interface (Built-in) \*Only V GK model

Built-in interface enabling users to control air conditioners and check operating status via devices such as personal computers, tablets and smartphones.



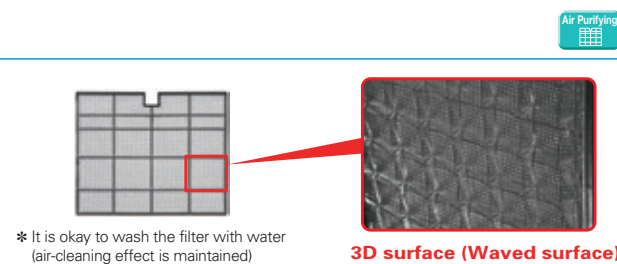
### System Control Interface (Optional)

- 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.



## MSZ-HR SERIES



### Indoor Unit

R32



MSZ-HR25/35/42/50VF(K)



MSZ-HR60/71VF(K)

### Outdoor Unit



MUZ-HR25VF



MUZ-HR35VF

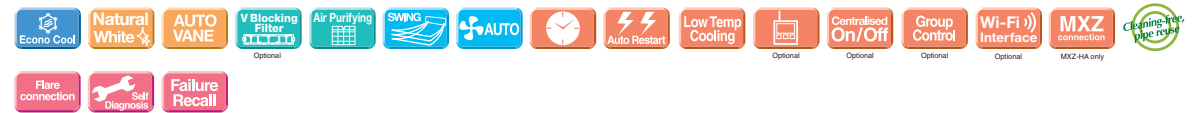


MUZ-HR42/50VF



MUZ-HR60/71VF

### Remote Controller



Type	Inverter Heat Pump								
Indoor Unit	MSZ-HR25VF(K)	MSZ-HR35VF(K)	MSZ-HR42VF(K)	MSZ-HR50VF(K)	MSZ-HR60VF(K)	MSZ-HR71VF(K)			
Outdoor Unit	MUZ-HR25VF	MUZ-HR35VF	MUZ-HR42VF	MUZ-HR50VF	MUZ-HR60VF	MUZ-HR71VF			
Refrigerant	R32 <sup>(1)</sup>								
Power Supply	Outdoor Power supply 230V/Single/50Hz								
Cooling	Design load	kW	2.5	3.4	4.2	5.0	6.1	7.1	
	Annual electricity consumption <sup>(2)</sup>	kWh/a	141	191	226	269	296	355	
	SEER <sup>(3)</sup>		6.2	6.2	6.5	6.5	7.2	7.0	
	Energy efficiency class		A++	A++	A++	A++	A++	A++	
	Capacity	Rated	kW	2.5	3.4	4.2	5.0	6.1	7.1
Heating	Design load	kW	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-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)	4.6 (-10°C)	
	at bivalent temperature	kW	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)	
	at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)	
	Back up heating capacity	kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	
Heating (Average Season) <sup>(4)</sup>	Annual electricity consumption <sup>(2)</sup>	kWh/a	614	781	928	1224	1430	1755	
	SEER <sup>(3)</sup>		4.3	4.3	4.3	4.3	4.5	4.3	
	Energy efficiency class		A+	A+	A+	A+	A+	A+	
	Capacity	Rated	kW	3.15	3.6	4.7	5.4	6.8	8.1
	Total Input	Rated	kW	0.7-3.5	0.9-3.7	0.9-3.4	1.4-6.5	1.5-8.5	1.5-9.0
Operating Current (Max)	Input	Rated	A	5.0	6.7	8.5	10.0	14.1	
	Operating Current (Max)	A	0.020	0.028	0.032	0.039	0.055	0.055	
	Dimensions	H*W*D	mm	280-838-228	280-838-228	280-838-228	280-838-228	305-923-262	
	Weight	kg	8.5	8.5	9	9	12.5	12.5	
	Indoor Unit	Air Volume	Cooling	m <sup>3</sup> /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	10.4 - 12.6 - 15.4 - 19.6
Heating		m <sup>3</sup> /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	10.7 - 13.1 - 16.7 - 19.6		
Sound Level (SPL) (Lo-Mid-Hi-SH) <sup>(5)</sup>		Cooling	dB(A)	21 - 30 - 37 - 43	22 - 31 - 38 - 46	24 - 34 - 39 - 45	28 - 36 - 40 - 45	33 - 38 - 44 - 50	
Heating		dB(A)	21 - 30 - 37 - 43	21 - 30 - 37 - 44	24 - 32 - 40 - 46	27 - 34 - 41 - 47	33 - 38 - 44 - 50		
Sound Level (PWL)		Cooling	dB(A)	57	60	60	60	65	
Outdoor Unit	Dimensions	H*W*D	mm	538-699-249	538-699-249	550-800-285	550-800-285	714-800-285	
	Weight	kg	23	24	34	35	40		
	Air Volume	Cooling	m <sup>3</sup> /min	30.3	32.2	30.4	30.4	42.8	
	Heating	m <sup>3</sup> /min	30.3	32.2	32.7	32.7	48.3		
	Sound Level (SPL)	Cooling	dB(A)	50	51	50	50	53	
Ext. Piping	Sound Level (PWL)	Cooling	dB(A)	63	64	64	64	66	
	Operating Current (Max)	A	4.8	6.4	8.2	9.6	13.6		
	Breaker Size	A	10	10	10	12	16		
	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	
	Max.Length	Out-In	m	20	20	20	20	30	
Guaranteed Operating Range (Outdoor)	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46		
	Heating	°C	-10 ~ +24	-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 were to be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg 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 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) 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".  
(5) Please see page 53-55 for heating (warmer season) specifications.