



# MSZ-HR SERIES R32

## 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.



## Low CO<sub>2</sub> equivalent with R32 Refrigerant

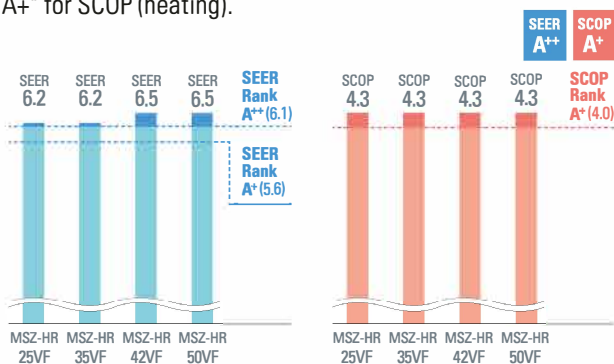
Small volume of refrigerant for HR series and a property of R32 that is low global warming potential compared with our current refrigerant R410A contribute to prevent global warming.

Refrigerant weight and CO<sub>2</sub> equivalent

Model	Pre-charged quantity	
	Refrigerant weight [kg]	CO <sub>2</sub> equivalent [t]
MUZ-HR25	0.40	0.27
MUZ-HR35	0.45	0.30
MUZ-HR42	0.70	0.47
MUZ-HR50	0.80	0.54

## Energy Saving

Mitsubishi Electric's inverter technologies are adopted to provide automatic adjustment of operation load according to need. This reduces excessive consumption of electricity, and thereby realises Energy Rank "A++" for SEER (cooling) and "A+" for SCOP (heating).



## Simple Control

The simple remote controller and functions provide the simple control solution and comforts of life.



## Wi-Fi and System Control

### Wi-Fi Interface (Optional)

Optional interface and a Cloud-based solution "MELCloud" enable 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-33MAA is possible.
- Centralised control is possible when connected to M-NET.



## Other Functions

Econo Cool	Natural White	AUTO VANE	Silver-ion	SWING	AUTO
Optional					
On/Off Timer	Auto Restart	Low Temp Cooling	Wired Remote Control	Centralised On/Off	Group Control
Optional			Optional		Optional
Wi-Fi Interface	MXZ connection	Cleaning Filter	Flare connection	Self Diagnosis	Failure Recall
Optional		MXZ-HA only			

## Outdoor Units

## Single connection



MUZ-HR25VF



MUZ-HR35VF



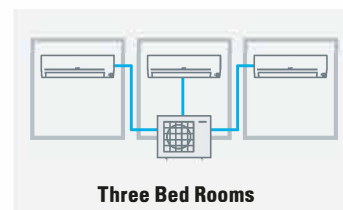
MUZ-HR42/50VF

## Multi connection

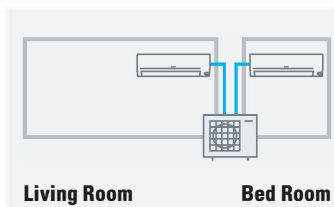
MXZ-2HA40VF  
MXZ-2HA50VF

MXZ-3HA50VF

Multi-port outdoor units (R32 MXZ) make it possible easily to provide wide range and various simple combinations.



Three Bed Rooms



Living Room

Bed Room



Wide Living Room

## Specifications

Indoor Unit			MSZ-HR25VF	MSZ-HR35VF	MSZ-HR42VF	MSZ-HR50VF		
Outdoor Unit			MUZ-HR25VF	MUZ-HR35VF	MUZ-HR42VF	MUZ-HR50VF		
Refrigerant			R32					
Weight			kg	0.40	0.45	0.70	0.80	
Power Supply			Outdoor Power supply 230V/Single/50Hz					
Cooling	Design load	kW	2.5	3.4	4.2	5.0		
	Annual electricity consumption (*1)	kWh/a	141	191	226	269		
	SEER		6.2	6.2	6.5	6.5		
		Energy efficiency class		A++	A++	A++	A++	
	Capacity	Rated	kW	2.5	3.4	4.2	5.0	
Heating (Average Season)	Declared Capacity	at reference design 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 (*1)	kWh/a	614	781	928	1224		
	SCOP		4.3	4.3	4.3	4.3		
		Energy efficiency class		A+	A+	A+	A+	
	Capacity	Rated	kW	3.15	3.6	4.7	5.4	
	Total Input	Min-Max	kW	0.7-3.5	0.9-3.7	0.9-5.4	1.4-6.5	
		Rated	kW	0.850	0.975	1.300	1.550	
	Heating (Warmer Season)	Design load	kW	1.1 (2°C)	1.3 (2°C)	1.6 (2°C)	2.1 (2°C)	
Declared Capacity		at reference design temperature	kW	1.1 (2°C)	1.3 (2°C)	1.6 (2°C)	2.1 (2°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 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)		
Annual electricity consumption (*1)		kWh/a	289	344	427	558		
SCOP			5.3	5.2	5.2	5.2		
		Energy efficiency class		A+++	A+++	A+++	A+++	
Operating Current (Max)			A	5.0	6.7	8.5	10.0	
Indoor Unit	Input	Rated	kW	0.020	0.028	0.032	0.039	
	Operating Current (Max)		A	0.2	0.27	0.3	0.36	
	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-SHi (Dry/Wet))	Cooling	m3/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	m3/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-SHi)	Cooling	dB (A)	21 - 30 - 37 - 43	22 - 31 - 38 - 46	24 - 34 - 39 - 45	28 - 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
	Dimensions		H*W*D	mm	538*699*249	538*699*249	550*800*285	550*800*285
Outdoor Unit	Weight		kg	23	24	34	35	
	Air Volume	Cooling	m3/min	30.3	32.2	30.4	30.4	
		Heating	m3/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
		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) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.