

# 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

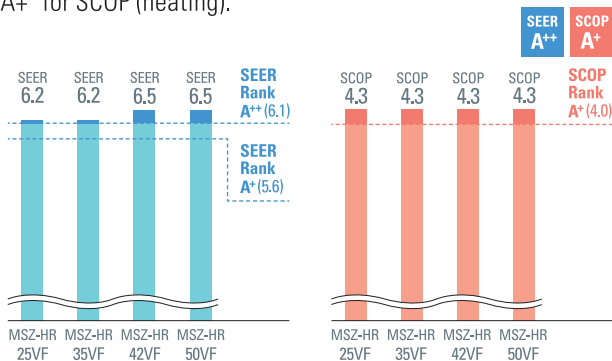
Small volume of refrigerant for HR series and a property of R32 that is low global warming potential compared with our current refrigerant R410A contribute to prevent global warming.

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.



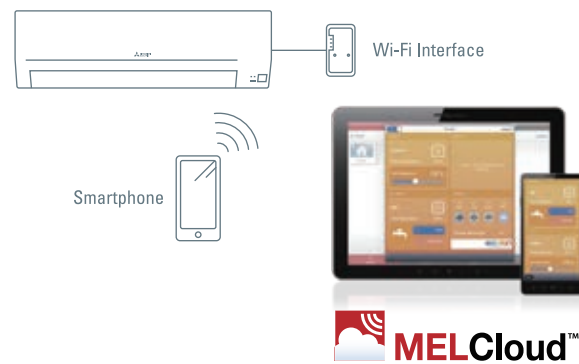
## Wi-Fi and System Control

### 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

Optional					
Optional			Optional		Optional
Optional		MXZ-HA only			

## Outdoor Units

## Single connection



MUZ-HR25VF



MUZ-HR35VF



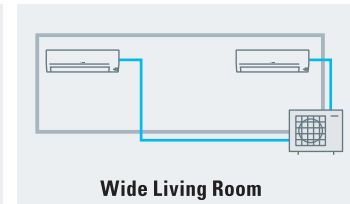
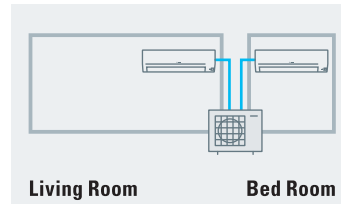
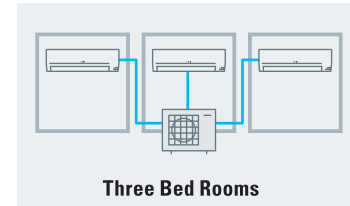
MUZ-HR42/50VF

## 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.



## 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)	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 (*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	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 bivalent 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	
Outdoor Unit	Dimensions	H*W*D	mm	538*699*249	538*699*249	550*800*285	550*800*285
	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	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) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.