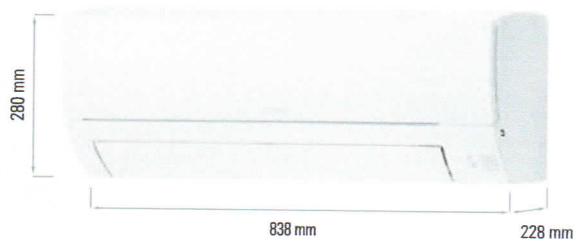


MSZ-HR SERIES R32

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 CO₂ equivalent with R32 Refrigerant

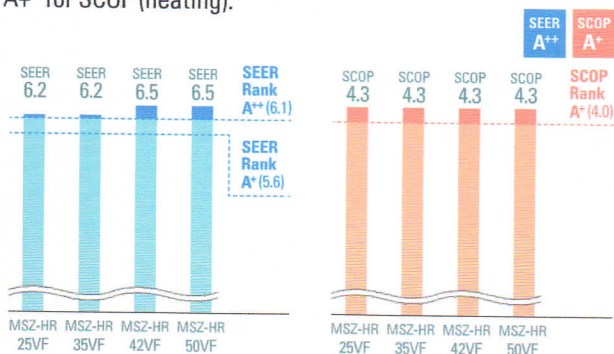
Small volume of refrigerant for HR series and a property of R32 that is low global warming potential compared with our current refrigerant R410A contribute to prevent global warming.

Refrigerant weight and CO₂ equivalent

Model	Pre-charged quantity	
	Refrigerant weight [kg]	CO ₂ 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.



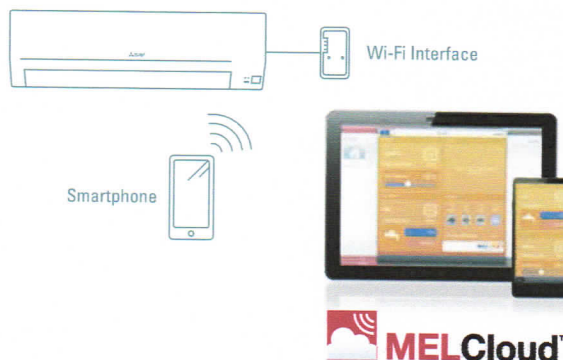
Wi-Fi and System Control

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



Outdoor Units

Single connection



MUZ-HR25VF



MUZ-HR35VF



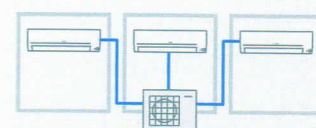
MUZ-HR42/50VF

Multi connection

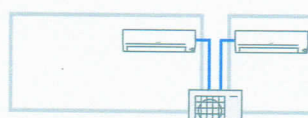
MXZ-2HA40VF
MXZ-2HA50VF

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			
Power Supply				Outdoor Power supply 230V/Single/50Hz			
Cooling	Weight	kg		0.40	0.45	0.70	0.80
	Source						
	Outdoor (V/Phase/Hz)						
	Design load	kW		2.5	3.4	4.2	5.0
	Annual electricity consumption (*1)	kWh/a		141	191	226	269
Heating (Average Season)	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
		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 (Warmer 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)
Operating Current (Max)	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
		Min-Max	kW	0.7-3.5	0.9-3.7	0.9-5.4	1.4-6.5
Indoor Unit	Total Input	Rated	kW	0.850	0.975	1.300	1.550
	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)
Outdoor Unit	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)			5.0	6.7	8.5	10.0
Ext.Piping	Input	Rated	kW	0.020	0.028	0.032	0.039
	Operating Current (Max)			0.2	0.27	0.3	0.36
	Dimensions	H*W*D		280*838*228	280*838*228	280*838*228	280*838*228
	Weight			8.5	8.5	9	9
	Air Volume (Lo-Mid-Hi-SHi (Dry/Wet))			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
Guaranteed Operating Range (Outdoor)	Sound Level (SPL) (Lo-Mid-Hi-SHi)			21 - 30 - 37 - 43	22 - 31 - 38 - 46	24 - 34 - 39 - 45	28 - 36 - 40 - 45
	Sound Level (PWL)			21 - 30 - 37 - 43	21 - 30 - 37 - 44	24 - 32 - 40 - 46	27 - 34 - 41 - 47
	Dimensions	H*W*D		538*699*249	538*699*249	550*800*285	550*800*285
	Weight			23	24	34	35
	Air Volume			30.3	32.2	30.4	30.4
Ext.Piping	Sound Level (SPL)			50	51	50	50
	Sound Level (PWL)			50	51	51	51
	Operating Current (Max)			63	64	64	64
	Breaker Size			4.8	6.4	8.2	9.6
	Diameter			10	10	10	12
Ext.Piping	Max.Length			6.35/9.52	6.35/9.52	6.35/9.52	6.35/9.52
	Max.Height			20	20	20	20
	Guaranteed Operating Range (Outdoor)			12	12	12	12
	Cooling			-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heating			-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.