MSZ-RZ R290

Premium Plus Wall Mounted System

Inverter Heat Pump

M series

The **MSZ-RZ** range blends low GWP refrigerant, with a high heating performance efficiency in low outdoor temperatures.

With its compact design, quiet operation and enhanced comfort features, the **MSZ-RZ** range is perfect for a wide range of applications.

R290

MELCloud HOME

Key Features & Benefits:

- Utilises a lower GWP refrigerant, reducing environmental impact, supporting sustainability and helping achieve CSR targets
- Provides powerful and efficient heating for consistent comfort and reduced energy costs, even at low ambient conditions
- Integrated refrigeration sensor, providing early detection of leaks and enhancing occupant safety
- Built-in Wi-Fi interface for remote control & monitoring via the Mitsubishi Electric MELCloud Home app, delivering convenient system management
- Compact design for easy installation, making it ideal for small space.
- Operates with low noise levels to maintain a quiet environment, improving comfort and minimising disturbances
- 3D i-see sensor provides energy efficient, customised comfort by automatically monitoring room occupancy positionand body temperatures
- Built in Plasma quad technology neutralises viruses, bacteria, allergens, PM2.5 mould and dust, inhibiting 99.8% of SARS-CoV-2*
- Enhanced comfort with the 'Circulator' mode which automatically circulates the air and eliminates cold spots
- User-friendly backlit controller for remote operation, including scheduling options

* Derived from and subject to test results, for and on behalf of Mitsubishi Electric conducted at the Microbial Testing Laboratory, Textile Quality and Technology Center, Kobe, Japan.



Air Conditioning | **Product Information**

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Inverter Heat Pump

R290



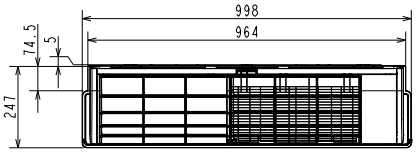
MSZ-RZ INDOOR UNITS		MSZ-RZ25VU(B)	MSZ-RZ35VU(B)	MSZ-RZ50VU(B)
CAPACITY (kW)	Heating (nominal)	3.2 (0.8-5.4)	4.0 (1.1-6.3)	6.0 (1.8-8.7)
	Cooling (nominal)	2.5 (0.9-3.5)	3.5 (1.0-4.0)	5.0 (1.4-5.8)
	Heating (UK)	2.62 (0.66-4.43)	3.28 (0.9-5.17)	4.92 (1.48-7.13)
	Cooling (UK)	2.5 (0.9-3.5)	3.5 (1.0-4.0)	5.0 (1.4-5.8)
SHF (nominal)		1.00	0.92	0.81
COP / EER (nominal)		5.50 / 5.60	4.90 / 4.50	4.10 / 3.60
SCOP / SEER (BS EN14825)		5.3 / 11.7	5.2 / 9.6	4.7 / 7.6
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A+++ / A+++	A+++ / A+++	A++ / A++
AIRFLOW (l/s)	Heating - SLo-Lo-Mid-Hi-SHi	85-130-158-195-235	85-130-158-195-255	130-178-208-245-303
	Cooling - SLo-Lo-Mid-Hi-SHi	85-108-150-175-195	85-115-150-192-235	130-158-185-218-270
PIPE SIZE mm (in)	Gas	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")
	Liquid	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
SOUND PRESSURE LEVEL (dBA)	Heating - SLo-Lo-Mid-Hi-SHi	19-25-30-36-41	19-25-30-36-42	25-32-37-41-46
	Cooling - SLo-Lo-Mid-Hi-SHi	19-23-29-36-42	19-24-29-36-43	26-30-34-39-45
SOUND POWER LEVEL (dBA)		58	59	59
DIMENSIONS (mm)	Width x Depth x Height	998 x 247 x 305	998 x 247 x 305	998 x 247 x 305
WEIGHT (kg)		14.4	14.4	14.6
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6	6
INTERCONNECTING CABLE No. CORES		4	4	4

Notes: Black (B).

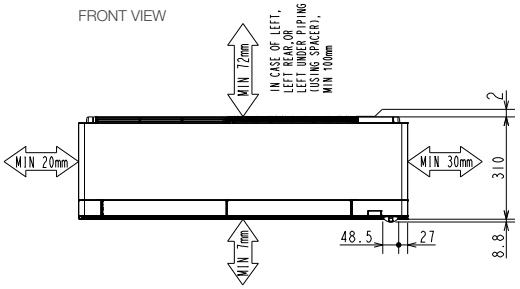
MUZ-RZ OUTDOOR UNITS		MUZ-RZ25VU	MUZ-RZ35VU	MUZ-RZ50VU
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	49 / 46	50 / 49	54 / 51
SOUND POWER LEVEL (dBA)	Cooling	60	61	64
WEIGHT (kg)		37.5	39.5	58
DIMENSIONS (mm)	Width x Depth x Height	800 x 285 x 714	800 x 285 x 714	840 x 330 x 880
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	0.58 / 0.45	0.81 / 0.77	1.45 / 1.38
	Heating/Cooling (UK)	0.53 / 0.38	0.74 / 0.65	1.32 / 1.17
STARTING CURRENT (A)		2.9	3.8	5.9
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	2.5 / 2.0 [9.8]	3.5 / 3.3 [9.9]	6.3 / 6.0 (15.7)
FUSE RATING (BS88) - HRC (A)		10	10	16
MAINS CABLE No. CORES		3	3	3
MAX PIPE LENGTH (m)		20	20	30
MAX HEIGHT DIFFERENCE (m)		12	12	15
CHARGE REFRIGERANT (kg) / CO_2 EQUIVALENT (t) - R290 (GWP 0.02)		0.39 / 0.0000078 (10m)	0.39 / 0.0000078 (10m)	0.70 / 0.000014 (15m)
MAX ADDITIONAL REFRIGERANT (kg) / CO_2 EQUIVALENT (t) - R290 (GWP 0.02)		0.10 / 0.000002	0.10 / 0.000002	0.15 / 0.000003

MSZ-RZ25/35/50VU(B) DIMENSIONS

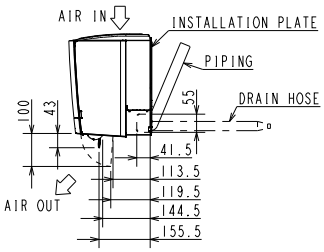
UPPER VIEW



FRONT VIEW



SIDE VIEW



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Note: The fuse rating is for guidance only and please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R515B (GWP:292), R454C (GWP:148), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a hydrocarbon, R290 (GWP:0.02). *These GWP values are based on IPCC 6th edition.

Effective as of April 2026

Green Gateway greengateway.mitsubishielectric.co.uk