

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

MSZ-HR25/35/42/50VF



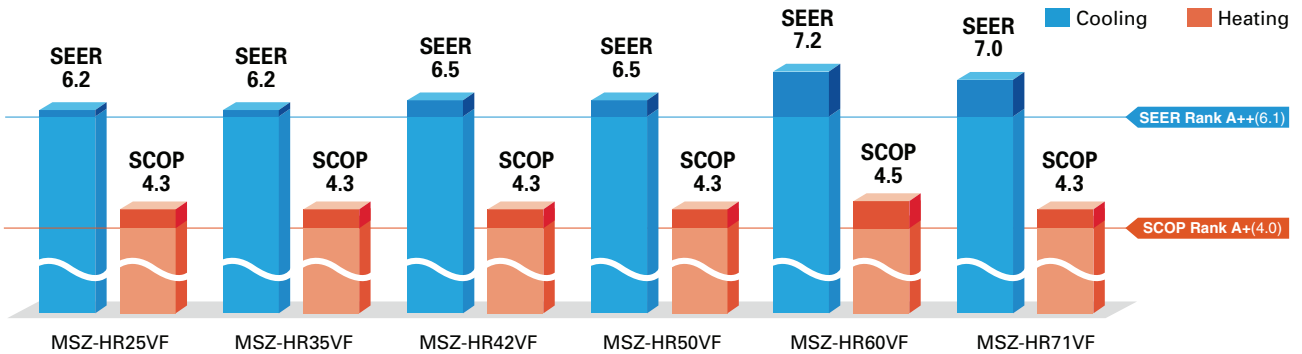
MSZ-HR60/71VF



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

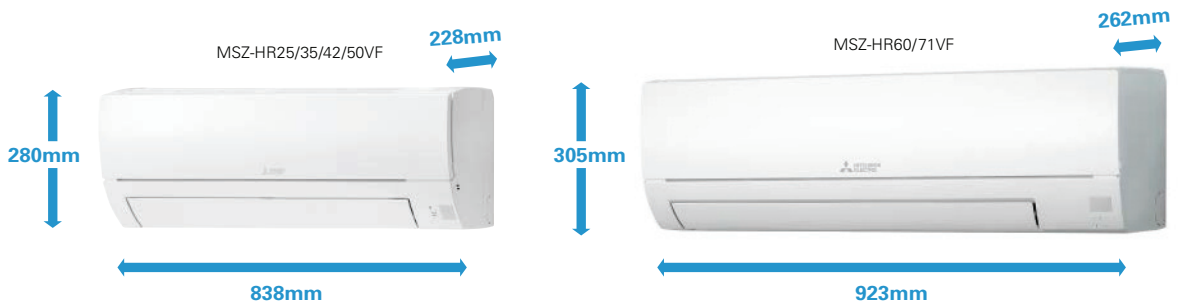


All models in the series, from capacity 25 to 71, have achieved the "Rank A++" for SEER and "Rank A+" for SCOP as energy-savings rating, thanks to Mitsubishi Electric's inverter technologies which are adopted to provide automatic adjustment of operation load according to need.



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

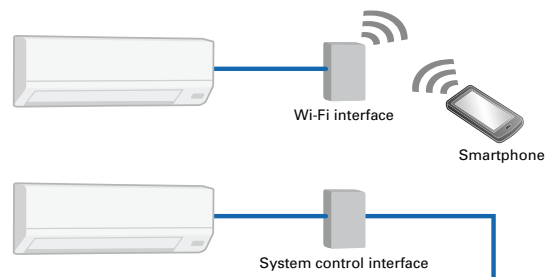
Wi-Fi Interface (Optional)

Optional 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-40MAA is possible.
- Centralised control is possible when connected to M-NET.

*Wi-Fi Interface and System Control Interface cannot be used simultaneously.



MSZ-HR SERIES



Indoor Unit

R32



MSZ-HR25/35/42/50VF



MSZ-HR60/71VF

Outdoor Unit



MUZ-HR25VF



MUZ-HR35VF

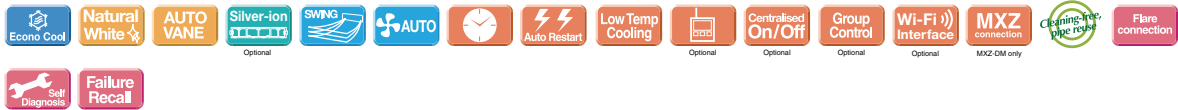


MUZ-HR42/50VF



MUZ-HR60/71VF

Remote Controller



Type	Inverter Heat Pump								
Indoor Unit	MSZ-HR25VF	MSZ-HR35VF	MSZ-HR42VF	MSZ-HR50VF	MSZ-HR60VF	MSZ-HR71VF			
Outdoor Unit	MUZ-HR25VF	MUZ-HR35VF	MUZ-HR42VF	MUZ-HR50VF	MUZ-HR60VF	MUZ-HR71VF			
Refrigerant	R32 ⁽¹⁾								
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 ⁽²⁾	kWh/a	141	191	226	269	296	355	
	SEER ⁽⁴⁾		6.2	6.2	6.5	6.5	7.2	7.0	
	Capacity	Rated	kW	2.5	3.4	4.2	5.0	6.1	7.1
		Min-Max	kW	0.5-2.9	0.9-3.4	1.1-4.6	1.3-5.0	1.7-7.1	1.8-7.3
Heating (Average Season) ⁽³⁾	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)	5.4 (-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)	
Operating Current (Max)	Annual electricity consumption ⁽²⁾	kWh/a	614	781	928	1224	1430	1755	
	SCOP ⁽⁴⁾		4.3	4.3	4.3	4.3	4.5	4.3	
	Capacity	Rated	kW	3.15	3.6	4.7	5.4	6.8	8.1
		Min-Max	kW	0.7-3.5	0.9-3.7	0.9-5.4	1.4-6.5	1.5-8.5	1.5-9.0
	Total Input	Rated	kW	0.850	0.975	1.300	1.550	1.810	2.440
Indoor Unit	Input	kW	0.020	0.028	0.032	0.039	0.055	0.055	
	Operating Current(Max)	A	0.2	0.27	0.3	0.36	0.5	0.5	
	Dimensions	H*W*D	mm	280-838-228	280-838-228	280-838-228	280-838-228	305-923-262	305-923-262
	Weight	kg	8.5	8.5	9	9	12.5	12.5	
	Outdoor Unit	Air Volume (Lo-Mid-Hi-SH ⁽⁵⁾ /Dry/Wet)	m ³ /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	10.4 - 12.6 - 15.4 - 19.6
Sound Level (SPL) (Lo-Mid-Hi-SH ⁽⁵⁾)		Cooling	dB(A)	21 - 30 - 37 - 43	22 - 31 - 38 - 46	24 - 34 - 39 - 45	26 - 36 - 40 - 45	33 - 38 - 44 - 50	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	33 - 38 - 44 - 50
Sound Level (PWL)		Cooling	dB(A)	57	60	60	60	65	65
		Heating	dB(A)	57	60	60	60	65	65
Ext. Piping	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	40	
	Air Volume	Cooling	m ³ /min	30.3	32.2	30.4	30.4	42.8	42.8
		Heating	m ³ /min	30.3	32.2	32.7	32.7	48.3	48.3
	Sound Level (SPL)	Cooling	dB(A)	50	51	50	50	53	53
Heating		dB(A)	50	51	51	51	57	57	
Guaranteed Operating Range (Outdoor)	Sound Level (PWL)	Cooling	dB(A)	63	64	64	64	65	66
		Heating	dB(A)	63	64	64	64	65	66
	Operating Current (Max)	A	4.8	6.4	8.2	9.6	13.6	13.6	
	Breaker Size	A	10	10	10	12	16	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	6.35 / 12.7
Max.Length	Out-In	m	20	20	20	20	30	30	
	Out-In	m	12	12	12	12	15	15	
	Out-In	m	12	12	12	12	15	15	
Cooling	°C		-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	
	°C		-10 ~ +24	-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 would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂ 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 51-52 for heating (warmer season) specifications.

Air Conditioning

Product Information

MSZ-HR R32
Classic Wall Mounted System
Inverter Heat Pump

Making a
World of
Difference

M series



Mitsubishi Electric's range of classic, flat panel wall mounted models make use of inverter technology, whilst providing extremely good value for money, costing approximately 20% less than the MSZ-AP equivalent.

Key Features

- Compact and stylish white design, including a new 5.0kW model
- Highly energy efficient, utilising low GWP R32 refrigerant
- Optional Wi-Fi interface now available with this model, enabling control and monitoring using a smartphone, tablet or PC via the MELCloud app
- Extremely quiet sound levels whilst also delivering economical air conditioning with improved SCOP / SEER figures
- Daily timer provides greater control of scheduling



Cooling | Heating | Ventilation | Controls

R32

Air Conditioning

Product Information

MSZ-HR R32 Classic Wall Mounted System Inverter Heat Pump

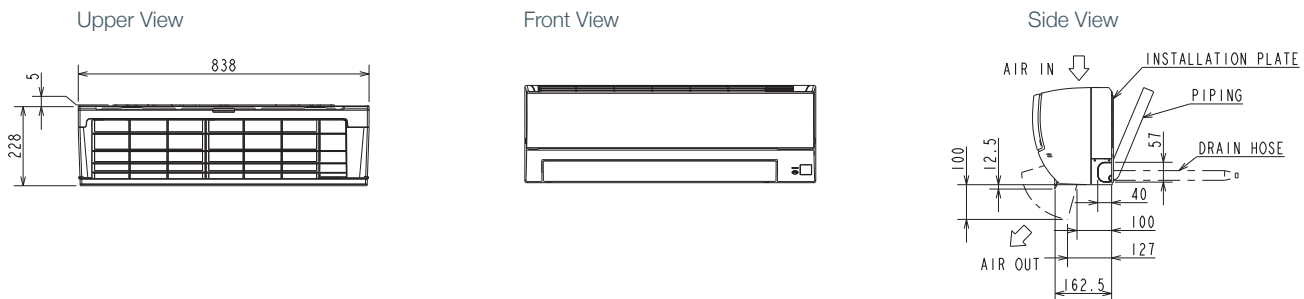
Making a
World of
Difference



MSZ-HR - INDOOR UNITS		MSZ-HR25VF	MSZ-HR35VF	MSZ-HR50VF
CAPACITY (kW)	Heating (nominal)	3.15 (0.7-3.5)	3.60 (0.9-3.7)	5.40 (1.4-6.5)
	Cooling (nominal)	2.50 (0.5-2.9)	3.40 (0.9-3.4)	5.00 (1.3-5.0)
	Heating (UK)	2.61 (0.6-2.9)	2.99 (0.75-3.1)	4.48 (1.16-5.39)
	Cooling (UK)	2.48 (0.5-2.8)	3.37 (0.89-3.4)	4.96 (1.29-4.96)
SHF (nominal)		0.78	0.78	0.73
COP / EER (nominal)		3.71 / 3.13	3.69 / 2.81	3.48 / 2.44
SCOP / SEER (BS EN14825)		4.30 / 6.20	4.30 / 6.20	4.30 / 6.50
ErP ENERGY EFFICIENCY CLASS	Heating/Cooling	A+ / A++	A+ / A++	A+ / A++
AIRFLOW (l/s)	Heating/Cooling - Lo-Mi-Hi-SHi	55-90-123-168 / 60-90-120-162	55-90-123-175 / 60-93-130-195	102-138-187-242 / 107-153-187-218
PIPE SIZE mm (in)	Gas	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Liquid	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling - Lo-Mi-Hi-SHi	21-30-37-43 / 21-30-37-43	21-30-37-44 / 22-31-38-46	27-34-41-47 / 28-36-40-45
SOUND POWER LEVEL (dBA)		57	60	60
DIMENSIONS (mm)	Width x Depth x Height	838 x 228 x 280	838 x 228 x 280	838 x 228 x 280
WEIGHT (kg)		8.5	8.5	9
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

MUZ-HR - OUTDOOR UNITS		MUZ-HR25VF	MUZ-HR35VF	MUZ-HR50VF
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	50 / 50	51 / 51	51 / 50
SOUND POWER LEVEL (dBA)	Cooling	63	64	64
WEIGHT (kg)		23	24	35
DIMENSIONS (mm)	Width x Depth x Height	699 x 249 x 538	699 x 249 x 538	800 x 285 x 550
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	0.85 / 0.80	0.98 / 1.21	1.55 / 2.05
	Heating/Cooling (UK)	0.77 / 0.63	0.89 / 0.96	1.40 / 1.62
STARTING CURRENT (A)		4.1	5.9	9.0
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	4.1 / 3.8 [4.8]	4.6 / 5.9 [6.4]	6.9 / 9.0 [9.6]
FUSE RATING (BS88) - HRC (A)		10	10	16
MAINS CABLE No. CORES		3	3	3
MAX PIPE LENGTH (m)		20	20	20
MAX HEIGHT DIFFERENCE (m)		12	12	12
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) - R32 (GWP 675)		0.40 / 0.27	0.45 / 0.30	0.80 / 0.54
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) - R32 (GWP 675)		0.26 / 0.18	0.26 / 0.18	0.26 / 0.18

PRODUCT DIMENSIONS



Telephone: 01707 282880
email: air.conditioning@meuk.mee.com
web: airconditioning.mitsubishielectric.co.uk

UNITED KINGDOM Mitsubishi Electric Europe Living Environment Systems Division
Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England General Enquiries Telephone: 01707 282880 Fax: 01707 278881

IRELAND Mitsubishi Electric Europe Westgate Business Park, Ballymount, Dublin 24, Ireland
Telephone: Dublin (01) 419 8800 Fax: Dublin (01) 419 8890 International code: (003531)

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Note: The fuse rating is for guidance only. 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) or R134a (GWP:1430). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows: R410A (GWP:1975), R32 (GWP: 550), R407C (GWP:1650) or R134a (GWP:1300).



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