

New
RELEASE



Designer Series

Now there's a sleek new profile in heat pumps



The Mitsubishi Electric Designer Series has been awarded the iF Product Design award for its simple and elegant design. The clean, flat surfaces and bevelled edges allow it to blend in discretely with modern interiors.



TRADITIONAL HEAT PUMP
Depth 257mm



DESIGNER SERIES
Depth 195mm



**product
design award**

2011



The iF Product Design Award is annually conferred by the iF International Forum Design. Every year the award attracts more than 2,000 product entries, which are judged by renowned experts, only the best receive the iF seal of outstanding design quality. The Mitsubishi Electric Designer Series has been awarded the iF Product Design award for its simple and elegant design. The clean, flat surfaces and bevelled edges allow it to blend in discretely with modern interiors.



Designer Series

High Wall Mounted

Created to suit even those with the most discerning style. With elegant, clean lines the Designer Series is available in a glossy black, matte silver or classic white – complementing your home’s decor and existing appliances.

Small Room



Dimensions (WxDxH): 895 x 195 x 299mm

MSZ-EF25VAW/B/S

Heating Capacity: 3.2 kW
 Heating Efficiency – COP: 4.57 / ACOP: 4.75
 Cooling Capacity: 2.5 kW
 Cooling Efficiency – EER: 4.59 / AEER: 4.55

MSZ-EF35VAW/B/S

Heating Capacity: 4.0 kW
 Heating Efficiency – COP: 4.19 / ACOP: 4.29
 Cooling Capacity: 3.5 kW
 Cooling Efficiency – EER: 3.85 / AEER: 3.89

Medium Room



Dimensions (WxDxH): 895 x 195 x 299mm

MSZ-EF42VAW/B/S

Heating Capacity: 5.4 kW
 Heating Efficiency – COP: 3.70 / ACOP: 3.8
 Cooling Capacity: 4.2 kW
 Cooling Efficiency – EER: 3.28 / AEER: 3.28

MSZ-EF50VAW/B/S

Heating Capacity: 5.8 kW
 Heating Efficiency – COP: 3.71 / ACOP: 3.55
 Cooling Capacity: 5.0 kW
 Cooling Efficiency – EER: 3.21 / AEER: 3.11

Energy Star



Energy star is the global mark of energy efficiency. All models in The Designer Series have

been awarded the Energy Star mark; signalling they meet strict energy efficiency standards.



The range includes a classic white option with a stylish flat panel design. This model fits seamlessly with neutral decors.



The smooth 'stainless steel' look unit is ideally suited to kitchens which contain stainless steel appliances.



The sleek 'Black Diamond' matches perfectly with living room electronics such as televisions or dark wall coverings.



7-Day Programmable Timer

All Designer Series indoor units feature a built in weekly timer, allowing you to program up to four settings for each day of the week, you can come home to comfort without having to manually adjust the temperature. Perfect for anyone with a busy lifestyle, the 7 day controller is a great way to regulate your energy usage without compromising on comfort.



Quiet Operation

Designer Series indoor units feature a "Silent mode" fan speed setting that provides quiet operation as low as 21dBA. This means that you will feel the warmth, not hear it.

Filter Systems

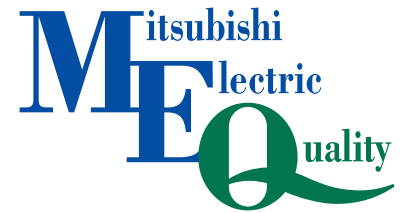
Designer indoor units make use of two types of filter. The Nano Platinum filter generates stable antibacterial and deodourising effects, while the optional Anti-Allergy Enzyme filter uses enzyme catalysts to filter allergens.

Features: Designer Series

- Whisper Quiet Operation
- 7 Day Controller
- Nano Platinum Filter
- Energy Star® Mark
- Guaranteed heating at -15°C
- Stylish Flat Panel Design
- Optional Anti Allergy Enzyme Filter
- Fan Only Mode

Visit www.mitsubishi-electric.co.nz for more information on these features.

Specifications



Your Guarantee Of Excellence

This emblem is your assurance of the very best in technology and quality as it represents Mitsubishi Electric's continuing efforts in making our heat pumps the industry standard. Every Mitsubishi Electric Heat Pump is a product of painstaking research, relentless testing, and a resolute determination to improve upon vital performance characteristics. As a result, our heat pumps have become more durable, less costly to operate, quieter, easy on installation and maintenance, and better able to distribute air evenly throughout any type of interior. This kind of commitment to quality enables our products to create remarkably pleasant environments that will ultimately make your life more comfortable.



Quality you can rely on

- All units line tested
- Performance tested
- 800 hour heat stress test
- 2000 hour endurance test

Customer Service

For more information on Mitsubishi Electric Heat Pumps, please call our customer service team on 0800 784 382.

5 Year Warranty

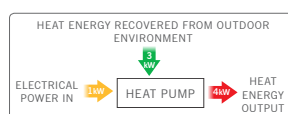
The Mitsubishi Electric Heat Pumps listed in this table come with a full 5 year parts, labour, and compressor warranty. Warranty conditions apply.

QUICK GLANCE	TYPE	Wall Mounted Heat Pumps			
	SERIES	MSZ-EF Series (Small Room)		MSZ-EF Series (Medium Room)	
	MODEL	MSZ-EF25	MSZ-EF35	MSZ-EF42	MSZ-EF50
	INDOOR UNIT	MSZ-EF25VEW/B/S	MSZ-EF35VEW/B/S	MSZ-EF42VEW/B/S	MSZ-EF50VEW/B/S
	OUTDOOR UNIT	MUZ-EF25VE	MUZ-EF35VE	MUZ-EF42VE	MUZ-EF50VE
COOL	2.5kW 4.59 EER 21 dBA*	3.5kW 3.85 EER 21 dBA*	4.2kW 3.28 EER 28 dBA*	5.0kW 3.21 EER 30 dBA*	
HEAT	3.2kW 4.57 COP 21 dBA*	4.0kW 4.19 COP 21 dBA*	5.4kW 3.70 COP 28 dBA*	5.8kW 3.71 COP 30 dBA*	
ENERGY STAR					
ENERGY RATING					

COOL	Capacity	Rated	[kW]	2.5	3.5	4.2	5.0
		Min-Max	[kW]	1.2 - 3.4	1.4 - 4.0	0.9 - 4.6	1.4 - 5.4
	Input	Rated	[kW]	0.55	0.91	1.28	1.56
		Min-Max	[kW]	0.24 - 1.15	0.21 - 1.50	0.16 - 1.93	0.30 - 1.98
	EER			4.59	3.85	3.28	3.21
	AEER			4.55	3.89	3.28	3.11
	Star Rating			4.5	3.0	2.0	1.5
	Sound Level	In (Quiet)	[dBA]	21	21	28	30
		In (low-SHi*)	[dBA]	23-29-36-42	24-29-36-42	31-35-39-42	33-36-40-43
		Out (SPL*)	[dBA]	47	49	50	52
Rated Current (In+Out)	[A]		2.9	4.2	5.7	6.9	
Max. Current	[A]		7.3	8.5	9.5	12.4	
Air Volume In (SHi*)	[L/s]		175	175	172	183	

HEAT	Capacity	Rated	[kW]	3.2	4.0	5.4	5.8
		Min-Max	[kW]	1.1 - 4.2	1.8 - 5.5	1.4 - 6.3	1.6 - 7.5
	Input	Rated	[kW]	0.70	0.96	1.46	1.57
		Min-Max	[kW]	0.25 - 1.17	0.28 - 1.53	0.26 - 2.05	0.31 - 2.64
	COP			4.57	4.19	3.70	3.71
	ACOP			4.75	4.29	3.8	3.55
	Star Rating			4.5	4.0	2.5	2.5
	Sound Level	In (Quiet)	[dBA]	21	21	28	30
		In (Low-SHi*)	[dBA]	24-29-37-45	24-30-38-46	30-35-41-48	33-37-43-49
		Out (SPL*)	[dBA]	48	50	51	52
Rated Current (In+Out)	[A]		3.5	4.4	6.5	7.0	
Max. Current	[A]		7.3	8.5	9.5	12.4	
Air Volume In (SHi*)	[L/s]		198	212	212	220	

Controller	Standard	Infra Red Remote with 7 Day Timer				
	Optional Wired 7 Day Timer	Optional: PAR-21 / PAR-30 / PAR-31				
Power Supply	(Powered from outdoor unit)	230 / Single Phase / 50 Hz				
Indoor	Dimensions (WxDxH)	[mm]	895 x 195 x 299			
	Weight	[kg]	11.5			
Outdoor	Dimensions (WxDxH)	[mm]	800 x 285 x 550	800 x 285 x 550	800 x 285 x 550	840 x 330 x 880
	Weight	[kg]	30	35	35	54
	Sound Level (SPL*/Power)	[dBA]	47-48 / (60)	49-50 / (63)	50-51 / (64)	52 / (66)
Piping	Diameter (Liquid/Gas)	[mm]	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
	Max. Length/Height†	[m]	20 / 12	20 / 12	20 / 12	30 / 15
	Chargeless Piping Length	[m]	7	7	7	7
Operation Range Outdoor	Cooling	[°C]	-10 / +46	-10 / +46	-10 / +46	-10 / +46
	Heating	[°C]	-15 / +24	-15 / +24	-15 / +24	-15 / +24
Colour		White, Silver, Black				



Measure of Energy Efficiency – COP / EER

A calculated measurement of energy efficiency for both heating and cooling using the ratio of kW input to kW output. Known as the Coefficient of Performance (COP) for heating, and Energy Efficiency Ratio (EER) for cooling. The higher the number, the more efficient a heat pump is. In the example pictured, the COP would be 4.0.

Measure of Energy Efficiency – ACOP / AEER

A calculated measurement of annual efficiency. In addition to the ratio of kW input to kW output, this calculation factors in other variables like the non-operating (standby) power of the heat pump. The higher the number, the more efficient a heat pump is.

Note:

1. Rating Conditions (AS / NZS 3823).
Cooling – Indoor: 27°C DB, 19°C WB. Outdoor: 35°C DB
Heating – Indoor: 20°C DB Outdoor: 7°C DB, 6°C WB.
Refrigerant piping length (one way): 5 m
2. Guaranteed operating range: see specifications table.
3. Dry function will not work when the room temperature is below 13°C

EER = Energy Efficiency Ratio
COP = Coefficient of Performance
AEER# = Annual Energy Efficiency Ratio
ACOP# = Annual Coefficient of Performance

#These include standby power in the rating calculation.

† Maximum length is inclusive of height differential. i.e. (20/12) means the pipe can be 12m high and 8m across for a total length of 20m.

Sound Level: (SHi = Super High).
(Quiet-SHi*) Quiet / Low / Medium / High / Super High.
(Low-SHi*) Low / Medium / High / Super High. (Low-Hi*) Low / Medium / High.

Out SPL: Outdoor Sound Pressure Level measured under rated operating frequency.

*Sound Levels rated at lowest fan speed.

Colour: Heat pump units shown may not be colour accurate, please ensure you view an actual unit for colour matching.

For more information on Mitsubishi Electric Heat Pumps, please call our customer service team on **0800 784 382**

 **MITSUBISHI ELECTRIC**
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