EcoCore Designer EF Series

Reflect Your Design Personality with a Real Style Statement

Why limit yourself to one colour when you can choose from three?

EcoCore Designer EF Series

The new EcoCore Designer Series features exceptional energy efficiency and built-in Wi-Fi Control. Elegant and slimline in design, these heat pumps are available in a choice of colours including Rich Black Diamond, Matte Silver or new Pure White – so you can truly reflect your interior design style.

Why Limit Yourself to One Colour When You Can Choose from Three?

Personalise your home interiors with the new EcoCore Designer Series High Wall Heat Pump. Available in a Rich Black Diamond, Matte Silver or new Pure White finish, now you can mix and match, blend in or stand out – it's up to you!

The Designer Series has been developed specifically with both good design and function in mind. The range features Advanced Filtration, whisper quiet operation and built-in Wi-Fi Control so you'll always come home to perfect comfort. In addition, more environmentally-friendly and energy efficient R32 refrigerant helps minimise the impact on the environment.

The slimline Designer Series is a true achievement in superior performance and looks. It's an investment in all round comfort that will never go out of style.

Energy Efficient EcoCore Inverter Technology

Superior energy efficiency is achieved by incorporating a large, high density heat exchanger, an advanced high efficiency fan motor and a next generation inverter compressor that uses more efficient R32 refrigerant.

More Environmentally-Friendly R32 Refrigerant

With a global warming potential that is 30% lower compared to older refrigerants such as R410A, next generation R32 refrigerant has a much lower environmental impact. Furthermore, zero ozone depleting R32 is easier to reuse and recycle.

Award-Winning Timeless Design

The Designer Series features a distinctive contemporary, slimline profile and has been awarded the prestigious Red Dot Design Award in recognition for outstanding design quality.

The international jury only confers this sought-after seal of quality to products that set themselves apart significantly from comparable products thanks to their excellent design.

7-Day Programmable Controller

All Designer Series Heat Pumps feature a built-in weekly timer, allowing you to program up to four time and temperature settings for each day of the week. You can now return 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.

Wi-Fi Control Built-in! Never Return to a Cold Home Again

With built-in Wi-Fi Control you can pre-heat or cool a room no matter where you are. On the way home, running late, coming home early, or even when you're in a different country, with Wi-Fi Control you'll always arrive home to total comfort.

Wi-Fi Control is Amazon Alexa and Google Home enabled so you can take your comfort to the next level and enjoy hands-free heat pump control.

Quiet Operation

The Designer Series indoor units feature Silent Mode. When selected, this fan speed setting provides very quiet operation from as low as 19dBA* making the range ideal for bedrooms.

Advanced Nano Platinum Filter

The extra-large, washable 3D filter surface incorporates nanometre-sized platinum-ceramic particles designed to effectively collect fine dust particles, deodorise the air and eliminate bacteria at the same time. This level of advanced filtration is better at the collection of dust in comparison to conventional filters.

Blue Fin Coating – Built to Withstand the Elements

The heat exchanger of the outdoor unit has been treated with Blue Fin Anti-Corrosion Treatment, slowing the corrosion process caused by salt and sulphur in the air especially in coastal and high sulphur areas.

Optional Plasma Quad Connect for Cleaner, Healthier Air

Designed to integrate with your existing Designer Series Heat Pump, this high-performance two-stage advanced air filtration module, cleans and minimises dust and other allergens for better indoor air quality, all year round.

Designer Series

Dimensions (WxDxH): 885 x 195 x 299mm

MSZ-EF25VGKW/B/S
Heating Capacity: 3.2 kW | Cooling Capacity: 2.5 kW

MSZ-EF35VGKW/B/S
Heating Capacity: 4.0 kW | Cooling Capacity: 3.5 kW

MSZ-EF42VGKW/B/S
Heating Capacity: 5.4 kW | Cooling Capacity: 4.2 kW

MSZ-EF50VGKW/B/S
Heating Capacity: 5.8 kW | Cooling Capacity: 5.0 kW

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* EF25 indoor sound level on lowest fan setting in Cooling Mode.

EcoCore Designer EF Series Specifications

ECOCORE®

	TYPE		High Wall System			
	SERIES		EcoCore Designer EF Series			
	MODEL		MSZ-EF25	MSZ-EF35	MSZ-EF42	MSZ-EF50
	REFRIGERANT		R32			
	INDOOR UNIT		MSZ-EF25VGKW/B/S	MSZ-EF35VGKW/B/S	MSZ-EF42VGKW/B/S	MSZ-EF50VGKW/B/S
	OUTDOOR UNIT		MUZ-EF25VG	MUZ-EF35VG	MUZ-EF42VG	MUZ-EF50VG
QUICK GLANCE	**COOL**		2.5kW / 4.63 EER / 19 dBA*	3.5kW / 3.85 EER / 21 dBA*	4.2kW / 3.50 EER / 28 dBA*	5.0kW / 3.23 EER / 30 dBA*
	HEAT		3.2kW / 4.57 COP / 21 dBA*	4.0kW / 4.21 COP / 21 dBA*	5.4kW / 3.71 COP / 28 dBA*	5.8kW / 3.72 COP / 30 dBA*
	ENERGY RATING		4.0 | 2.5	3.5 | 2.0	3.0 | 2.0	3.0 | 2.0

COOL

Capacity	Rated	[kW]	2.5	3.5	4.2	5.0
	Min-Max	[kW]	0.9 - 3.4	1.1 - 4.0	0.9 - 4.6	1.4 - 5.4
Input	Rated	[kW]	0.54	0.91	1.20	1.55
EER			4.63	3.85	3.50	3.23
AEER			4.60	3.83	3.49	3.22
Star Rating			4.0	3.5	3.0	3.0
Indoor Sound Level	(Quiet)	[dBA]	19	21	28	30
	(Low–SHi*)	[dBA]	23–29–36–42	24–30–36–42	31–35–39–43	33-36-40-43
Running Current (In+Out)		[A]	3.0	4.2	5.4	6.9
Air Volume In (SHi*)		[L/s]	175	175	187	188

HEAT

Capacity	Rated	[kW]	3.2	4.0	5.4	5.8
	Min-Max	[kW]	1.0–4.2	1.3–5.1	1.3–6.3	1.4 - 7.5
Input	Rated	[kW]	0.70	0.95	1.46	1.56
COP			4.57	4.21	3.71	3.72
ACOP			4.55	4.20	3.70	3.71
Star Rating			2.5	2.0	2.0	2.0
Indoor Sound Level	(Quiet)	[dBA]	21	21	28	30
	(Low–SHi*)	[dBA]	24-29-37-45	24-30-38-46	30-35-41-48	33-37-43-49
Running Current (In+Out)		[A]	3.5	4.4	6.5	7.1
Air Volume In (SHi*)		[L/s]	198	212	220	243

Controller	Standard		7-Day Programmable Controller			
	Optional Wired 7-Day Timer		Optional: PAR Controller (Interface Required)			
Wi-Fi			Built-in			
Power Supply	(Powered From Outdoor Unit)		230 V / Single Phase / 50 Hz			
	Maximum Current	[A]	7.1	7.1	10.0	14.0
Indoor	Dimensions (WxDxH)	[mm]	885 x 195 x 299			
	Weight	[kg]	11.5			
Outdoor	Dimensions (WxDxH)	[mm]	800 x 285 x 550			800 x 285 x 714
	Weight	[kg]	31	34	35	40
	Sound Level - SPL (Cooling-Heating)	[dBA]	47-48	49-50	50-51	52-52
Piping	Diameter (Liquid/Gas)	[mm]	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
	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
Indoor Unit Colour			Black Diamond / Matte Silver / Pure White			

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

SPL = Sound Pressure Level
[1] SHi = Super High
[2] Low–SHi = Low–Medium–High–Super High
[3] SPL measured under rated operating frequency

* Indoor Sound Levels rated at lowest fan speed.
† 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.

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.

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