



Technical Specification

Model	Indoor Model		EF-09RD1H	EF-12RD1H	EF-18RD1	EF-24RD1
	Outdoor Model		MX1-09RD1H	MX1-12RD1H	MX3-18RD1-EF	MX4-24RD1-EF
Power Supply		Ph-V-Hz	220-240V,1Ph, 50Hz	220-240V,1Ph, 50Hz	220-240V,1Ph, 50Hz	220-240V,1Ph, 50Hz
Cooling Capacity		Btu/h	8.872(3.685-10.918)	11.942(4.777-13.649)	17.743(6.142-20.131)	23.884(6.824-26.615)
Heating Capacity		Btu/h	9.998(2.593-12.284)	12.966(3.651-14.672)	18.426(4.436-20.814)	25.011(5.459-26.614)
Power Supply		W-W	750/730	1200/1040	1680/1380	2600/2150
Operating Current		A-A	5.2/3.3	5.1/4.6	7.1/6.1	11.5/11.0
SEER		W/W	7.5	7.5	7.4	6.5
SCOP		W/W	4.2/5.2	4.2/5.3	4.1/5.1	4.1/5.1
Energy Efficiency Class			A++/A+/A+++	A++/A+/A+++	A++/A+/A+++	A++/A+/A+++
Noise Level	Indoor Unit	dB(A) (High-Low)	38.5/34.5/24.5/20.5	38/32/25/20	43.0/35.5/33.5/20.0	45.0/39.5/36.0/20.0
	Outdoor Unit	dB(A)	62	65	65	68
Net Dimensions	Indoor Unit	mm(WXDXH)	723×199×286	813×201×289	975×218×308	1055×231×330
	Outdoor Unit	mm(WXDXH)	720×270×495	720×270×495	805×330×554	890×342×673
Net Weight	Indoor Unit	kg	7.5/9.8	8/10.4	10.3/13.6	12.4/16.2
	Outdoor Unit	kg	20.4/22.3	21.1/23	29.8/32.3	38.3/41.4
Refrigerant	Type		R32	R32	R32	R32
Refrigerant Piping	Liquid / Gas	mm(inch)	6.35mm(1/4in) / 9.52mm(3/8in)	6.35mm(1/4in) / 9.52mm(3/8in)	6.35mm(1/4in) / 12.7mm(1/2in)	6.35mm(1/4in) / 12.7mm(1/2in)
	Max Pipe Length	m	25	25	30	50
	Max Height	m	10	10	20	25



ECOMASTER



Prime Guard



SmartHome App



180° Spinning Wind Deflector



Hotel Mode



180° Waterfall Flow



Sleek Design



Healthy Air Management



i-clean mode



i-sleep mode



Super Ionizer



0° Ceiling

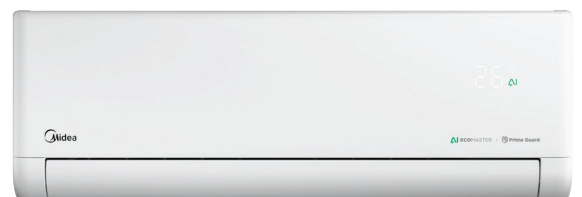




Solunar

AI-Powered Savings and
Comfort

AI ECOMASTER





AI ECOMASTER

Conventional Eco Mode

Imprecise control resulting in temperature fluctuation, wasting energy

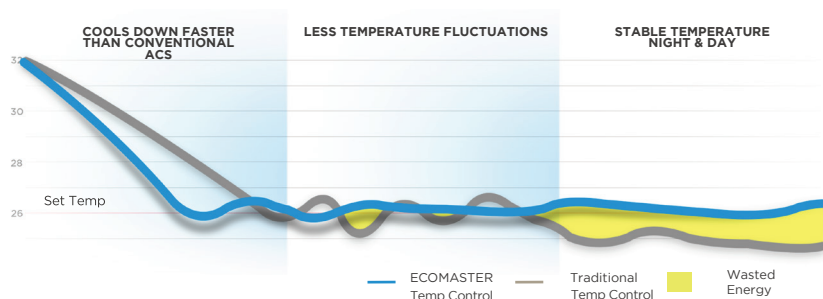
- 1 Single input of indoor temperature
- 2 Reactive approach without prediction

VS

AI ECOMASTER

Faster processing and more precise control providing comfort and saving energy

- 1 Multiple data inputs
- 2 Dynamically predict indoor heat load and environment changes



Perfectly balance efficiency & comfort

±0.3°C

Precise temperature control

30%+

Additional Energy Savings



Performance Tested
AI Temperature Control
Stability: ± 0.1°C
10% Extra Energy Saving
with AI Algorithm

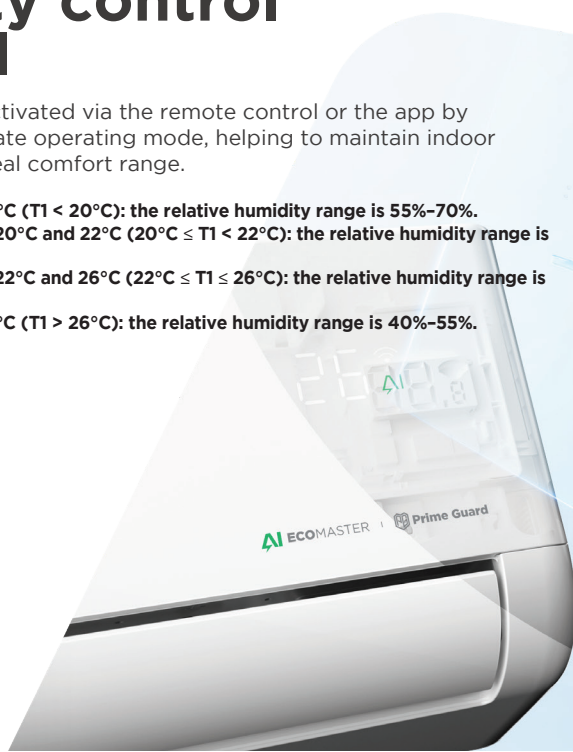


Verified by

Humidity control using AI

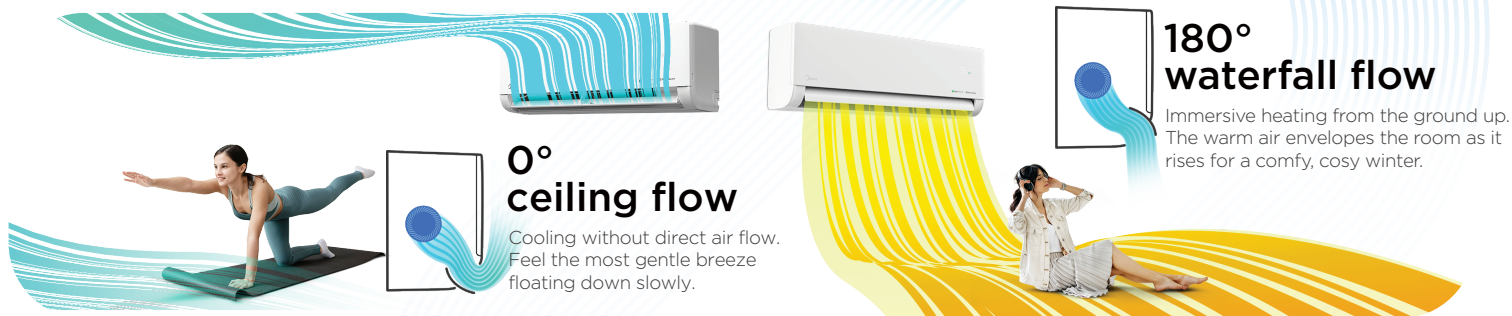
The function can be activated via the remote control or the app by selecting the appropriate operating mode, helping to maintain indoor humidity within the ideal comfort range.

- For temperatures below 20°C ($T_1 < 20^\circ\text{C}$): the relative humidity range is 55%-70%.
- For temperatures between 20°C and 22°C ($20^\circ\text{C} \leq T_1 < 22^\circ\text{C}$): the relative humidity range is 50%-65%.
- For temperatures between 22°C and 26°C ($22^\circ\text{C} \leq T_1 \leq 26^\circ\text{C}$): the relative humidity range is 45%-60%.
- For temperatures above 26°C ($T_1 > 26^\circ\text{C}$): the relative humidity range is 40%-55%.



Full Deflector Rotation Flash Cooling

180° rotating wind deflector. Even temperature, luxurious comfort.



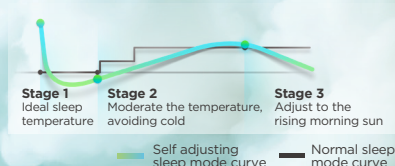
Self Cleaning

6 step self cleaning technology. Reaches up to 56 °C, purifying the evaporator, keeping the air clean and fresh.



Smart Sleep Curve

The Solstice can adjust temperature automatically during sleep times configurable in the app, maintaining a comfortable bedroom climate.



Certified Anti-Corrosion Protection

Outdoor units are continuously exposed to harsh environmental conditions, including salt, rain, humidity and UV radiation, all of which can accelerate corrosion. Midea's Prime Guard Hyper Grapfin hydrophilic coating provides certified anti-corrosion protection by helping to inhibit bacterial growth while safeguarding the heat exchanger against oxidation and rust, ensuring long-lasting performance and reliability.

**Prime Guard
HYPER GRAPFINS**

