



RAYNOR

Built for the North

Heating in extreme cold weather as low as -40°C



Raynor

Nordic Performance

- 5kW full heating performance even at -25°C.
- Heating in extreme cold weather as low as -40°C.
- Maximum heating output of 8kW.



Energy Efficiency Rating

Heating				Cooling			
A ⁺⁺⁺	5.1	A ⁺⁺	4.6	4.0kW	A ⁺⁺⁺	9.2	
SCOP (Average)		SCOP (Colder)		PDesign	SEER		



reddot winner 2025



DESIGN
AWARD
2025

Twin Rotary Robust Compressor

Extra Low Temperature Energy-Saving Operation

Oil suitable for low temperatures
and special technology
for 20% energy savings.

**Industry-leading
performance**

More Efficient & Reliable

Optimized pump design and
electromagnetic structure improve
motor efficiency
exceeding the industry's highest
level.

**20%
Energy savings**



Lower Noise

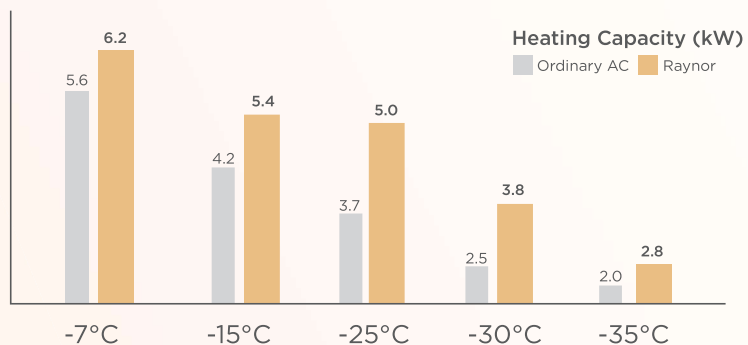
M-shaped band bracket
and high rigidity pump
body topology
reduce noise by 3-7dB(A).

**Up to 7dB(A)
lower noise**

Maximized Heat Exchange Efficiency with High-Density Tubing

More densely distributed heat exchanger with 5mm diameter pipe design delivers 125% heating output at -25°C (10% more than a conventional model).*

Ø5mm



*Compared to Pdh

Triple-guarded Anti Freeze Tech

1 Compressor Heating Belt

Raynor utilizes not only a large displacement powerful compressor but also comes standard with a compressor heating belt to keep it running efficiently and stably even at temperatures as low as -40°C.

-40°C Operation



2 Flash Defrost

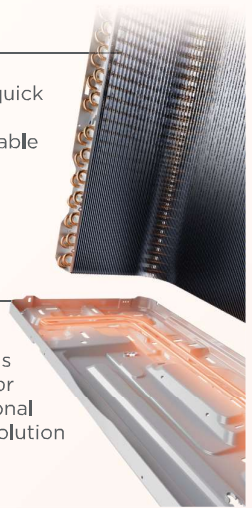
4 times more heating stability for quick and efficient defrosting, ensuring undiminished warmth and comfortable heating.

4X Stable Defrost

3 Specialized Chassis for Extreme Cold Regions

The upgraded stainless steel chassis heater is 1.9 times more powerful for quicker ice melting, and the additional drainage holes also accelerate dissolution

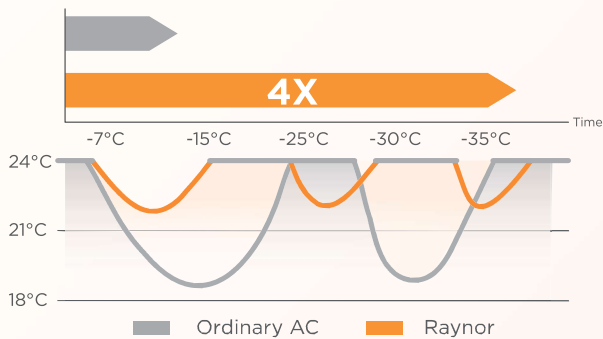
1.9X Faster dissolve



Flash Defrost. 4X Stable Defrost

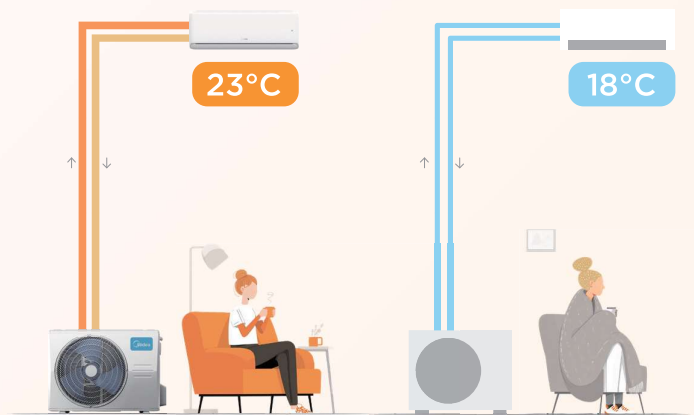
4 times More Stable Heating

Quick defrost with minimal temperature fluctuations. Undiminished warmth for your heating comfort.



Continues heating
Raynor

Heat pump stopped
Ordinary AC



ECOMASTER AI Energy Saving

Powered by Midea's latest **AI ECOMASTER** technology. Saves up to 30% energy in heating mode (more than 30% in cooling mode)



Large Database



Multiple Inputs



Precise Temperature Control

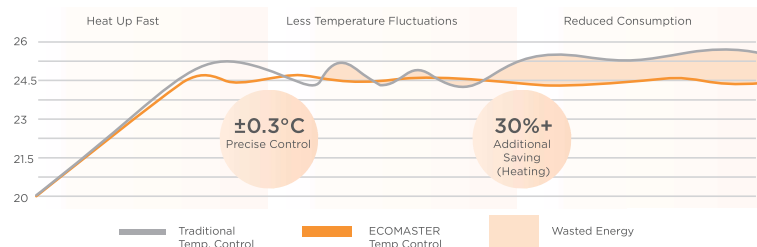


Predict Environment Changes



Comfort and Savings

Perfectly balance efficiency and comfort



*Based on internal laboratory data.



Waterfall Flow

Immersive heating from your toes to your nose.
Warm air rises quietly, heating gently like a warm embrace.

180°

Rotation

Flash cooling and heating.
Precise and gentle.

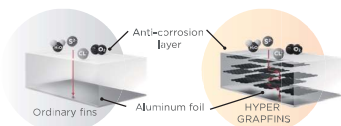
Fireplace Mode

Circulating the air to combine heat from other sources for even, efficient heating and comfort.

Reliable Heating, Built To Last



Verified by three test standards



Graphene is a single monolayer of carbon atoms, tightly bound in a hexagonal honeycomb lattice.

When graphene is added to the anti-corrosion layer, the density of the layer can be improved to resist corrosion.

20 to 50 years

Corrosion resistant fins

Depending on the salt contamination in the environment

After 240 hours UV test and 72 hours neutral salt spray (fog) test

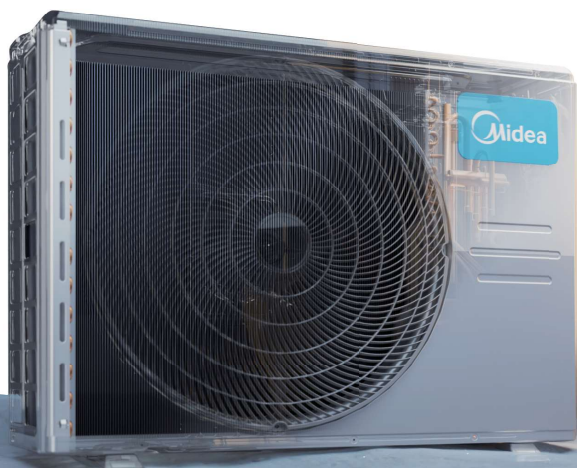
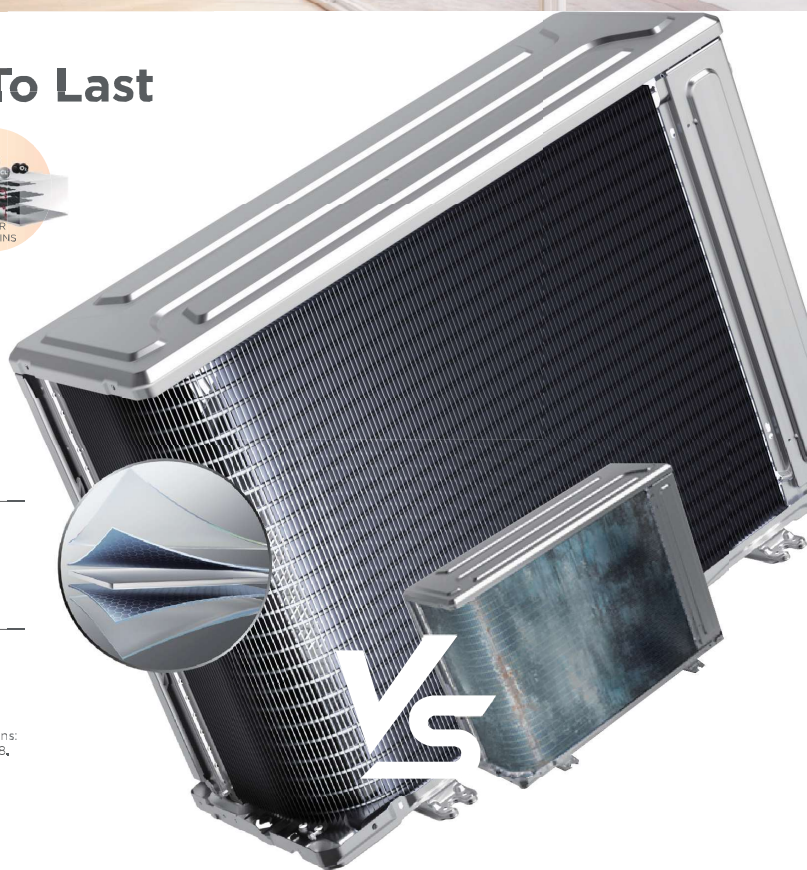
0.02%
corrosion area

12.5X*
more corrosion resistant
than blue coated fins

Withstood neutral salt spray test for

1500h

* The judgment standard of corrosion resistance is based on comparing the maximum corrosion area ratio of the rating number in JIS Z 2371-2015. Compared samples are Midea fins: Midea blue coated fins in HD2202-2/HW3308, Midea HYPER GRAPFINS in HMD011/HW3308.



Anti-Corrosion

Resisted 1500h neutral salt spray test

More Durable

Conformal coating up to 100μm anti-sulfurization resistors

More Stable

Smooth operation with wider voltage fluctuation protection

Anti-Aging

Endured 240h of UVB light

Double Protection

Double graphene layer for durability

More Reliable

Patented double outlet, heat dissipation area increased by 15%

Reliable Heating, Built To Last

The sealing layer and motor have been strengthened to adapt to the Nordic climate, preventing corrosion and improving reliability.



Electronic Expansion Valve

The coil is sealed with a waterproof cap, preventing moisture from entering, at the point where it meets the valve body.

The waterproof material was selected based on superior performance in low temperature, high humidity environments.

*Reliable operation indoor unit fan motor with Ceramic Bearings

Ceramic Ball Bearings *

Ceramic ball bearings are used, rather than steel. Better performance under 24/7 operation, higher corrosion resistance, and reduced noise.



Fresher, Healthier Air

The **air magic+**

negative ion generator eliminates **99.9%** viruses and bacteria.*



E. coli



S. aureus



H1N1



Enterovirus
71

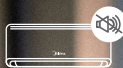
* Testing by Intertek under the negative ion generator criteria. Sterilization rates may vary during operation of split type ACs.

* Test report reference: CB02-TICK-C02-EE-0000095



Lower noise level.

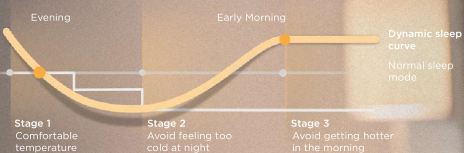
19 dB(A)
Quiet Operation



I-Sleep Mode

Ensuring comfortable and healthy sleep

Temperature: 3D sleep mode moderates the temperature ensuring a comfortable sleeping environment from dusk till dawn.



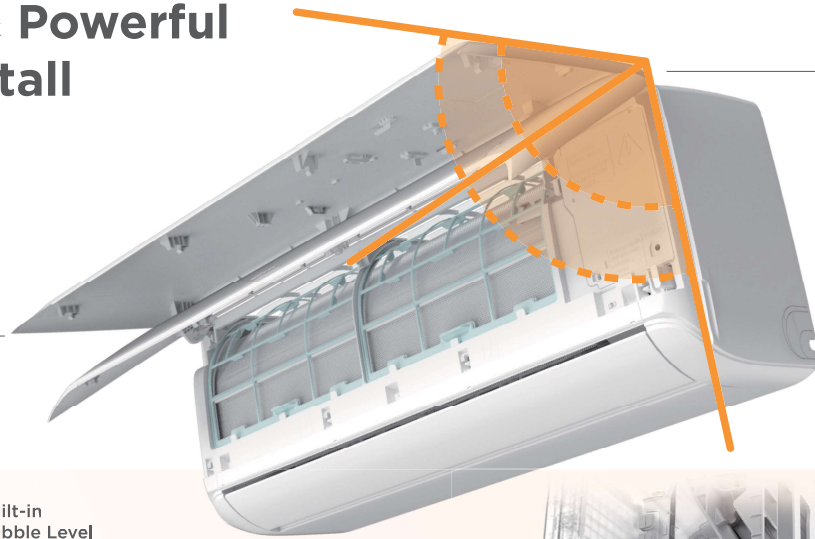
I-Clean

Automated high temperature (56°C) cleaning function

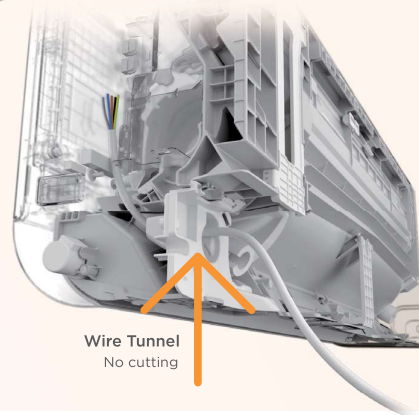
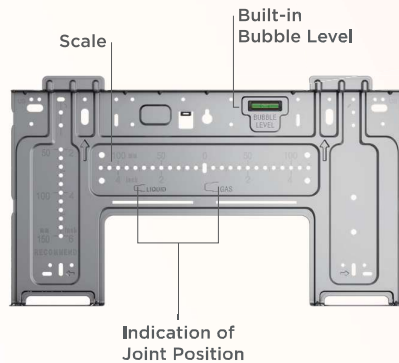
- 1 Activate self-cleaning mode. The indoor unit begins to frost up.
- 2 Dirt is trapped and removed by the frost.
- 3 Temperature rises, remaining at 56°C for 30 minutes, while the water melts away, cleaning the indoor unit.
- 4 While the indoor unit is in heat mode, the outdoor unit begins to frost up, repeating the process outside.

Compact & Powerful Easy to Install

Mounting Plate Improvement
Easy alignment



Two Possible
Opening Angles
Open to 85° or 60°
for more installation
scenarios



Pull-Out PCB Design
Replace the PCB without removing
the panel frame

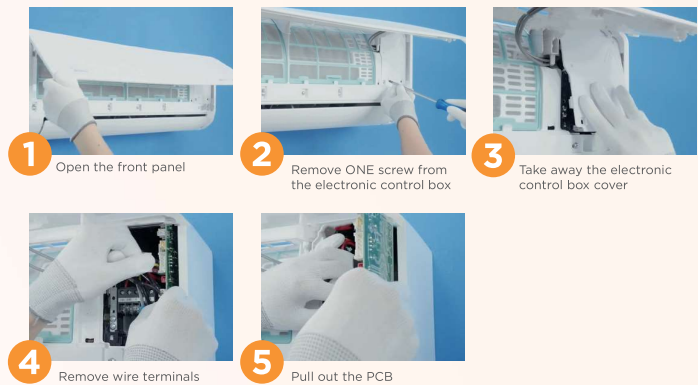


5 Steps
Improved process

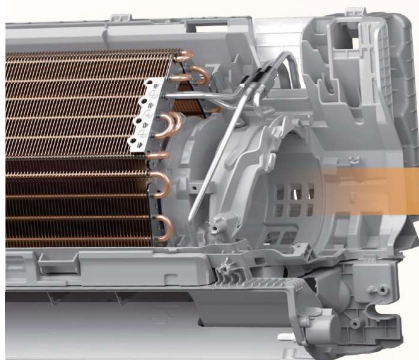
* Images are for illustrative purposes only. The steps are identical across models.

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The Easier Solution for PCB Replacement.



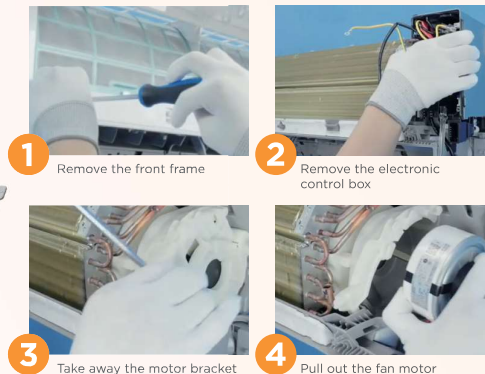
Fan Motor Repair Upgrade
Replace the motor without
removing the evaporator



4 Steps
72% Quicker

Raynor

The Easier Solution for Fan Motor Replacement.



* Images are for illustrative purposes only. The steps are identical across models.

SPECIFICATIONS

Pdesign-cooling (kW average climate)		3.5
Pdesign-heating (kW average climate)		4
Pdesign-heating (kW cold climate)		4
Heating capacity at	-7°C (kW)	5.8
	-15°C (kW)	5.4
	-20°C (kW)	5
	-25°C (kW)	4.8
Heating Capacity (Max) (kW)		8
Features		Ecomaster
Product parts		Ceramic ball bearings
SCOP (average climate)		5.1
SEER (average climate)		9.2
SCOP (cold climate)		4.6
SEER (cold climate)		/
Operation in ambient temperature down to (°C)		-40
Sound pressure dB(A) low/med/max	Indoor unit	24/34/38
	Outdoor unit	51
Silent mode dB(A)	Indoor unit	28
	Outdoor unit	54.8
Sound power dB(A)	Indoor unit	56
	Outdoor unit	59.9
Refrigerant type		R32
Refrigerent charge (g)		1000
Indoor unit dimensions (W x D x H) (mm)		823 × 222 × 308
Indoor unit weight (kg)		10.3
Outdoor unit dimensions (W x D x H) (mm)		890 × 342 × 673
Outdoor unit weight (kg)		43.5
Multisplit Yes/ No		No



make yourself at home



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