

Midea



Solstice EZ

AI-powered comfort for exceptional energy savings



AI ECOMASTER

Artificial intelligence



SmartHome

App control



Ceiling airflow

Cool air along ceiling



Floor airflow

Warm air along floor



Air Magic+

Air purification



Prime Guard

Heat-exchanger
corrosion protection

AI ECOMASTER

Midea AI EcoMaster technology in Solstice EZ models uses powerful AI algorithms trained to recognise and use billions of data points and parameters. This enables exceptional energy-saving control of the air conditioner even without an internet connection.

With AI EcoMaster, Midea Solstice EZ significantly improves predictive performance, enabling long-term precise temperature control and a balance between operation and efficiency that can save up to 30% energy.



Large
data set

Many
parameters

Predicts
environmental
changes

Precise
temperature
control

Comfort and savings

Other EcoMode

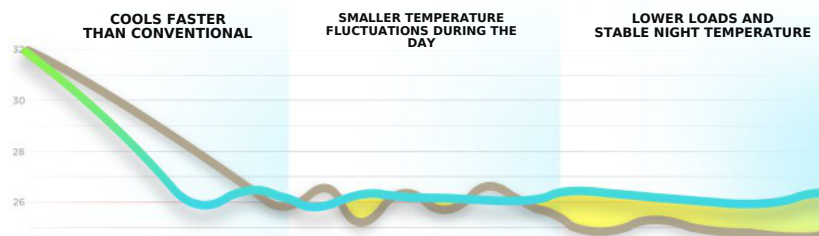
Imprecise control causing large temperature fluctuations and wasted energy

- 1 Indoor temperature only
- 2 Proportional control without prediction

AI ECOMASTER

Faster, more precise control for energy savings and comfort

- 1 Multiple complex environmental factors
- 2 Dynamically evaluates indoor temperature and environmental changes



Balanced efficiency and comfort

30.3°C

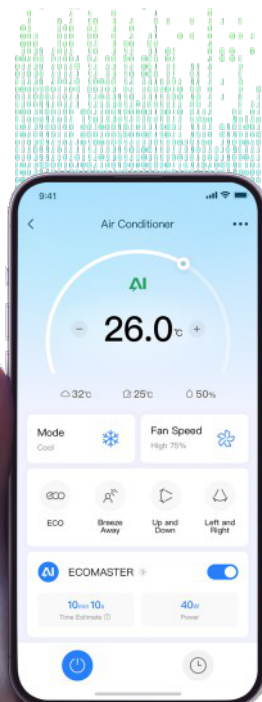
Precise temperature control

30%+

Additional energy savings



Verified



One-tap control

Smart control and energy monitoring with just a few taps

- Automatically generated periodic energy-use reports
- Real-time energy-saving tracking
- Personalised energy-saving tips

SmartHome Smart compatibility

Unrestricted · Dynamic · Rotating Surprisingly fast cooling

180° rotating air deflector:
Naturally even air temperature for effortless comfort



Elegant performance

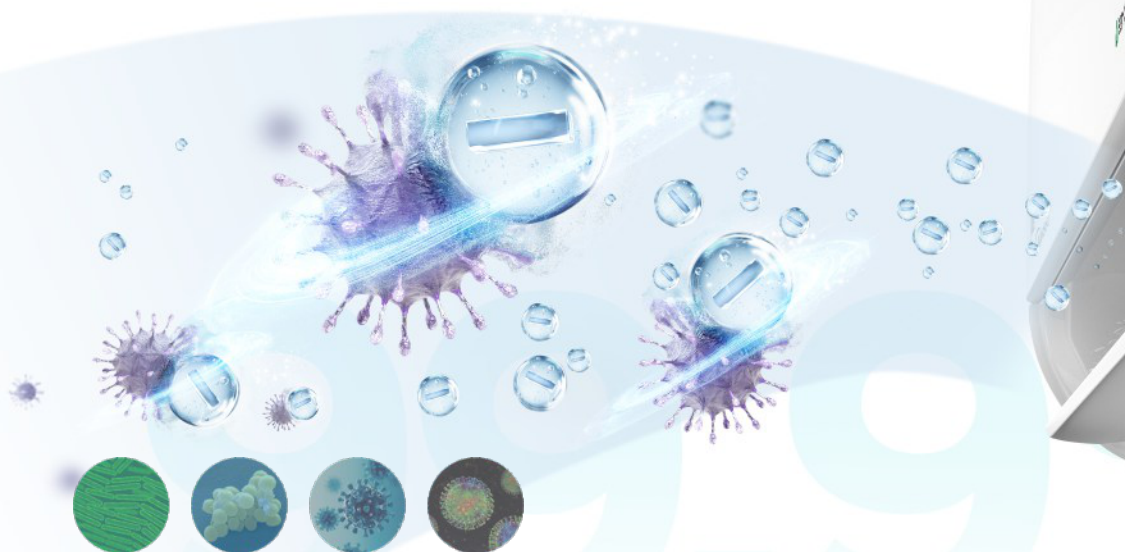
Geometrically refined performance
that pays tribute to functionality



Rational Balanced Refined

air magic+

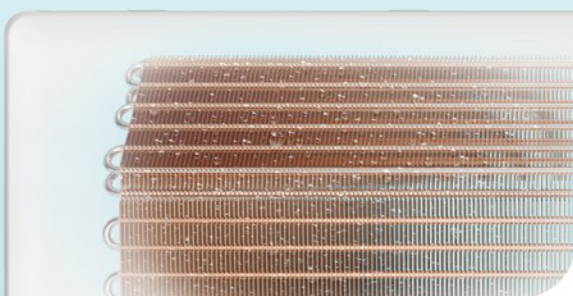
The integrated negative-ion generator removes up to 99.9% of viruses and bacteria, including *Staphylococcus aureus*, *Escherichia coli*, H1N1 and Enterovirus 71*.



*Tested and declared according to negative-ion generator criteria. Sterilisation results may vary during actual air-conditioner operation.

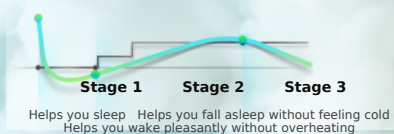
Self-cleaning

Six-stage self-cleaning technology at temperatures up to 56°C deep-cleans the air-conditioner evaporator and helps ensure clean, fresh indoor air.



Smart sleep curve

Midea Solstice EZ automatically adjusts the temperature according to your preset settings in the SmartHome app, maintaining a comfortable sleeping climate.

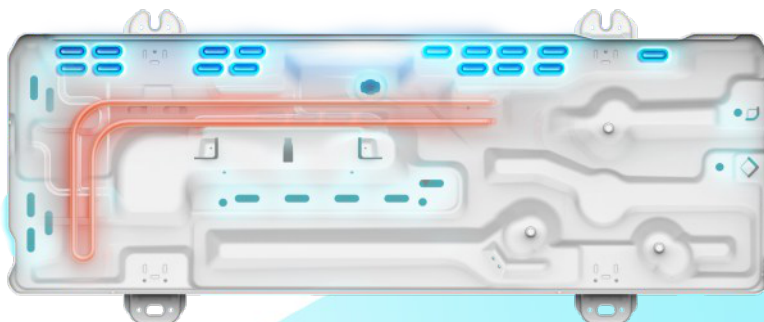


Heating at low outdoor temperatures



Compressor heater

Helps activate heating mode quickly and smoothly at low ambient temperatures and protects the compressor from freezing.



Specially designed base for extremely cold regions

1. The upgraded stainless-steel base heater is 1.9 times more powerful than in previous models and rapidly removes ice and snow accumulation from the outdoor unit.
2. More drainage openings in the base allow water to drain quickly during outdoor-unit defrosting.

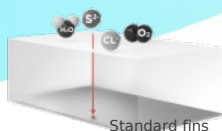
Prime Guard

HYPER GRAPFINS™

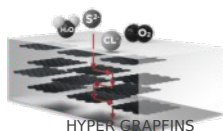
12.5X

better corrosion resistance than heat exchangers with conventional anti-corrosion coating

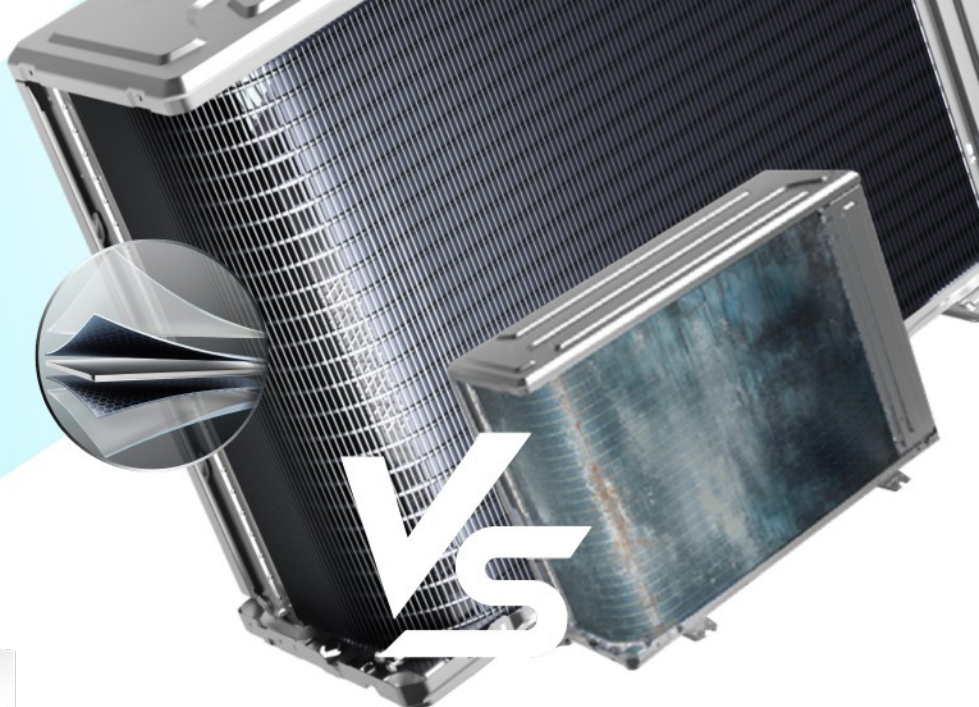
Graphene is a single layer of carbon atoms tightly bonded in a hexagonal honeycomb lattice. Adding graphene to the anti-corrosion coating greatly increases layer density and corrosion resistance.



Standard fins



HYPER GRAPFINS



*Corrosion-resistance evaluation is based on the ratio of the largest corroded area to the rating number under JIS Z 2371-2015. Compared samples: Midea blue-coated fins HD2202-2/HW3308 and Midea HYPER GRAPFINS HMD011/HW3308.

HYPER GRAPFINS™

Verified by three test standards

20-50 years

corrosion-resistant fins
depending on salt concentration in the
environment

After 240 h UV test + 72 h neutral salt spray

**0.02%
corroded
surface**

**12.5X
better corrosion resistance
than blue-coated heat
exchangers**

**1500 h
neutral salt spray test**

*Corrosion-resistance evaluation uses the JIS Z 2371-2015 method and the same comparison samples described above.



Built to last

Corrosion resistant

Withstands 1500 h of
neutral salt spray.

Ageing resistant

Appearance remains
unchanged after 240 h
UV-light testing.

Double protection

Double graphene layer for
improved durability.

More durable

Conformal coating up to
100 µm and sulfur-resistant
resistors.

More stable

Smooth operation across a
wider range with protection
against voltage fluctuations.

More reliable

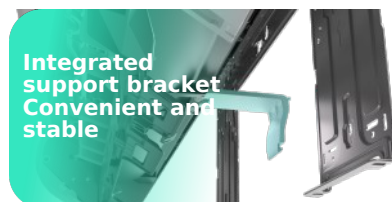
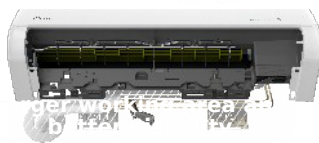
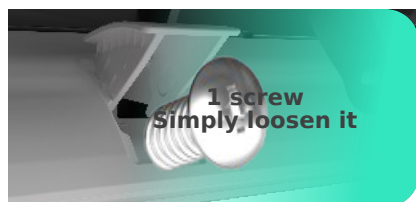
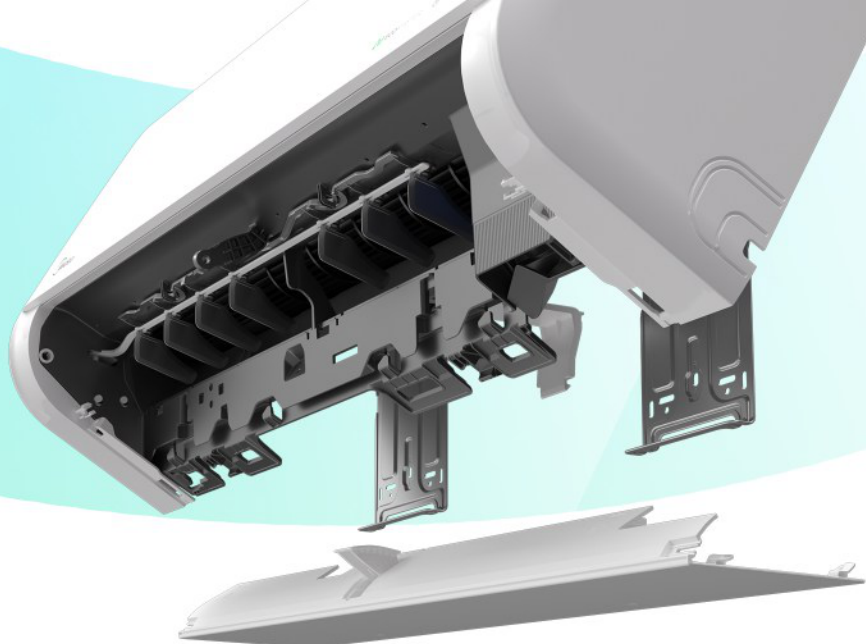
Patented dual-discharge fan
with 15% larger
heat-dissipation area.



Easy installation

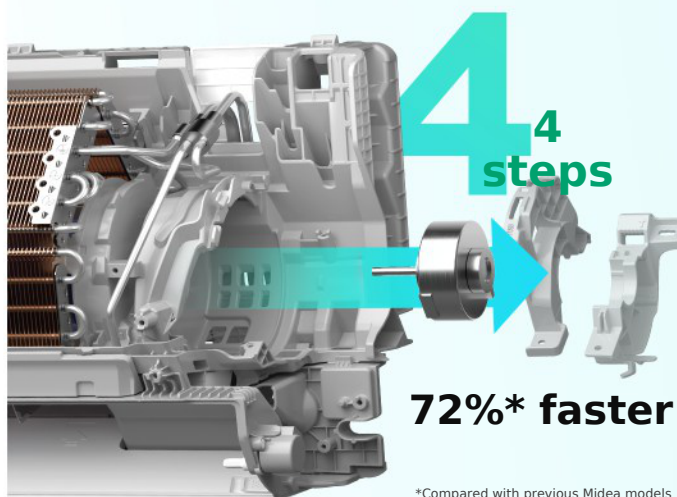
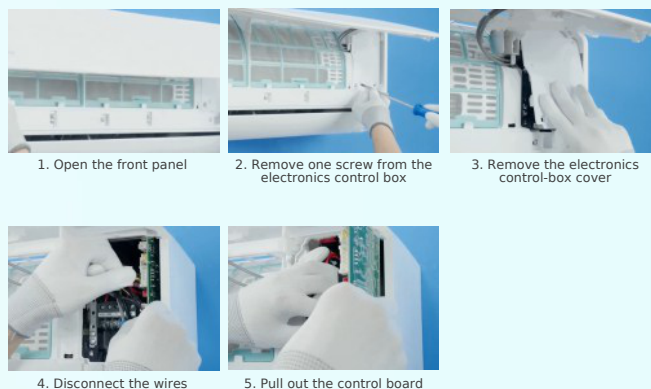
Pull-down construction

To remove the lower section of the unit and extend the support bracket, only one screw needs to be loosened. The larger working area and improved visibility are designed to make installation easier.



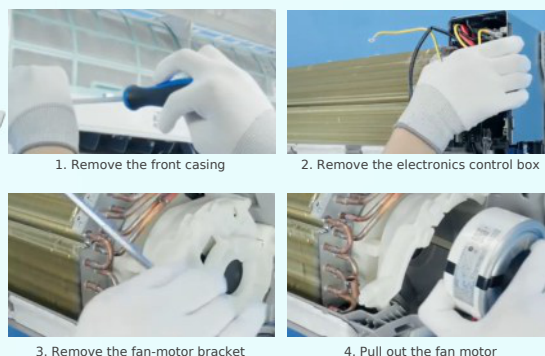
Removable control board

The control board can be removed without taking off the unit casing.



Fan motor replacement

Remove the fan without removing the evaporator.



*Compared with previous Midea models

Solstice EZ - Technical Specifications

Specification	Unit	09	12	18	24
Indoor unit model		EZ(B)-09RD6-I	EZ(B)-12RD6-I	EZ(B)-18RD6-I	EZ(B)-24RD6-I
Outdoor unit model		EZ-09RD6H-O	EZ-12RD6H-O	EZ-18RD6H-O	EZ-24RD6H-O
Cooling - capacity (standard)	kW	2.6 (1.0~3.5)	3.5 (1.4~4.0)	5.0 (2.0~6.1)	7.0 (2.2~8.8)
Cooling - power input	W	634 (80~1300)	1080 (130~1550)	1433 (160~1787)	2120 (420~3450)
Cooling - current	A	4.4 (0.35~5.82)	4.7 (0.6~6.9)	6.04 (0.72~7.90)	9.21 (1.8~15)
EER	W/W	4.10	3.24	3.49	3.30
Heating - capacity (standard)	kW	2.9 (0.8~3.7)	3.8 (1.1~4.1)	5.4 (1.4~6.8)	7.3 (1.6~9.4)
Heating - power input	W	674 (70~1075)	1016 (160~1400)	1440 (230~1750)	1970 (300~3150)
Heating - current	A	4.45 (0.32~4.76)	4.4 (0.7~6.3)	6.26 (1.1~7.60)	8.56 (1.3~13.7)
COP	W/W	4.30	3.75	3.75	3.71
Cooling Pdesignc	kW	2.6	3.5	5.0	7.0
SEER	W/W	8.8	8.5	8.5	7.9
Cooling energy class		A+++	A+++	A+++	A++
Heating Pdesignh (average climate)	kW	2.5	2.6	4.0	4.8
SCOP	W/W	4.6	4.6	4.6	4.6
Heating energy class		A++	A++	A++	A++
Tbiv	°C	-7	-7	-7	-7
Maximum power input	W	2200	2200	2800	3800
Maximum current	A	10	10	13.5	19
Indoor airflow (max.)	m³/h	650/510/360/285/150	800/600/450/370/220	950/800/600/470/340	1150/1090/790/635/445
Indoor sound level at 1 m	dB(A)	39/34/25/19.0	39/32/26/20	43/36/28/21.5	46/39.5/32.5/21.5
Indoor unit dimensions (L×W×H)	mm	723×199×286	813×201×289	975×218×308	1055×231×330
Indoor unit weight	kg	7.5/9.6	8/10.4	10.2/13.3	13/16.4
Outdoor airflow	m³/h	2200	2200	3500	3500
Outdoor sound level at 1 m	dB(A)	54.0	55	57	60
Outdoor dimensions (L×W×H)	mm	765×303×555	765×303×555	890×342×673	890×342×673
Outdoor unit weight	kg	23.1/25.4	23.1/25.4	37.8/41.0	41.0/44.0
Refrigerant type		R32	R32	R32	R32
GWP		675	675	675	675
Refrigerant charge	kg	0.55	0.58	0.85	1.08
Refrigerant pipes - liquid/gas	mm (inch)	6.35 (1/4) / 9.52 (3/8)	6.35 (1/4) / 9.52 (3/8)	6.35 (1/4) / 12.7 (1/2)	6.35 (1/4) / 12.7 (1/2)
Maximum piping length	m	25	25	30	50
Maximum height difference	m	10	10	20	25
Indoor operating range (cool/heat)	°C	16~32 / 0~30	16~32 / 0~30	16~32 / 0~30	16~32 / 0~30
Outdoor operating range (cool/heat)	°C	-15~50 / -25~24	-15~50 / -25~24	-15~50 / -25~24	-15~50 / -25~24
Power supply	V/f/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50



make yourself at home