Midea

Solstice

AI-Powered Comfort
Effortless Savings

ECOMASTER
SmartHome App
0° Ceiling Flow
180° Waterfall Flow
air magic+
Prime Guard

AI ECOMASTER

Solstice equipped with Midea's AI EcoMaster that uses a powerful AI algorithm that has been extensively pre-trained with billions of data points to provide the ultimate energy management in air conditioners even without internet connectivity.

Thanks to AI EcoMaster, Midea Solstice greatly enhances its predictive capabilities, achieves long-term precise temperature control, and balances the air conditioner's performance between comfort and efficiency with over 30% extra energy savings.

Large database › Multiple inputs › predicate environmental changes › Precise temp control › Comfort & Savings

Other EcoMode

Imprecise control, causing high temp fluctuation and waste of energy

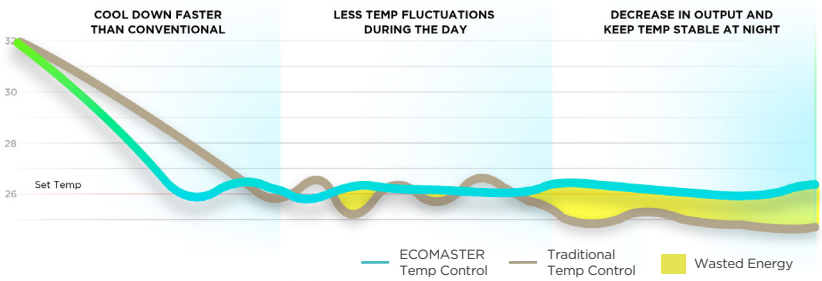
1. Single input of indoor temperature
2. Proportional control without prediction

VS

AI ECOMASTER

Faster and precise control, Achieving energy saving and comfort

1. Multiple input of complex environmental factors
2. Predict dynamically in indoor heat load and Environment changes



Perfectly balance efficiency & comfort

±0.3°C
Precise Temp Control

30%+
Extra Energy Saving

Verified by SGS

One click, full control

Smart control and energy monitor Within your fingertips

- Automatic delivery of periodic energy reports.
- Real time energy savings track.
- Tailor-made energy saving tips.

Smart Home

SmartHome Smart Compatible

Unlimited Dynimic Rotating Unexpected Flash Cooling

180° rotating wind deflector:
Unintentionally even out temperature, unanticipated delight in comfort

0° ceiling flow

Cooling without direct wind attack
Cool breeze settles down gently and embrace you in a tender way.

180° waterfall flow

Immersive heating from toe to head
warm wind pours in quietly, imperceptible heating.

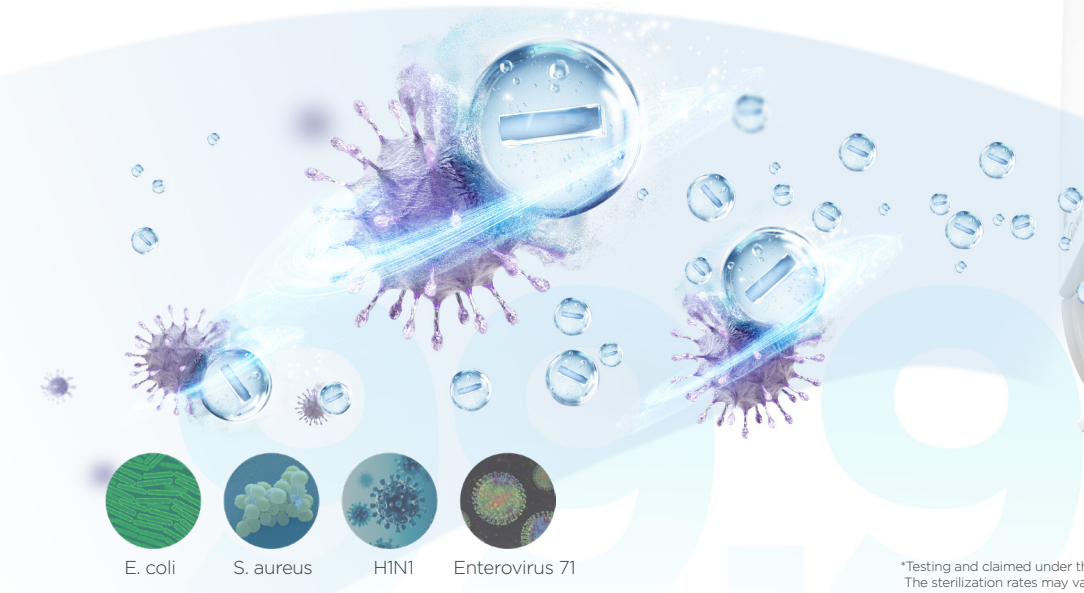
Sleek Performa

Geometry styling of performance in ways that pay homage to functionality.

Rational Balanced Restrained

air magic+

Built-in negative ion generator eliminates up to 99.9% of viruses and bacteria including Staphylococcus aureus, Escherichia coli, H1N1, Enterovirus 71*.

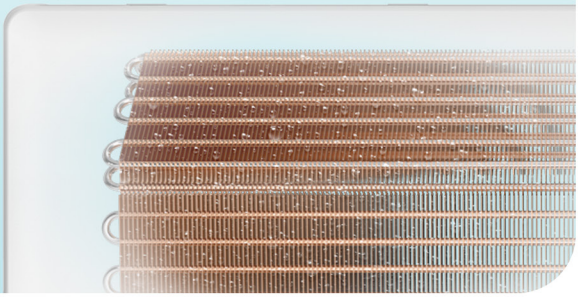


E. coli S. aureus H1N1 Enterovirus 71

*Testing and claimed under the negative ion generator criteria.
The sterilization rates may vary during the actual operation of split type AC.

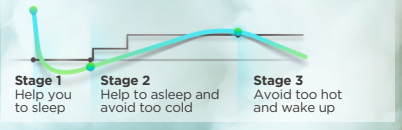
Self-clean

6-step self-cleaning technology at up to 56 °C high temperature, which deeply purifies evaporator in the air conditioner, keeping your air supply clean and fresh.



Smart sleep curve

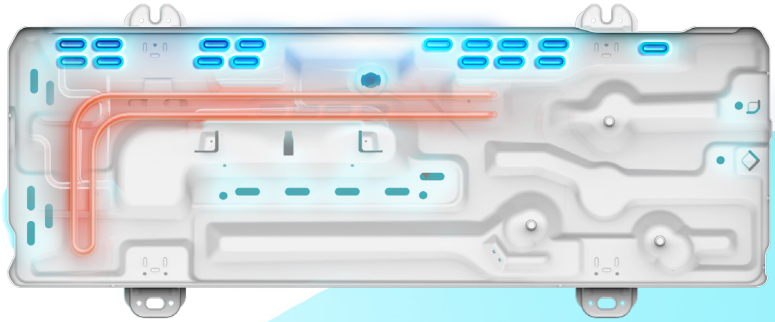
Midea Solstice can adjust temperature automatically during your sleep according to your advanced setting in SmartHome App, to maintain a comfortable bedtime climate.



Low Ambient Temperature Heating

Crankcase Heating Belt

Helps quickly and smoothly start up the heating mode in a low temperature environment, also prevent internal freezing.



Specialized Chassis for Extreme Cold Regions

1.The upgraded stainless steel chassis heater is embedded with a power 1.9 times higher than the previous model, which can quickly dissolve and remove ice and snow from the outdoor unit.

2.Multiple openings are added to the chassis structure to facilitate rapid drainage after low-temperature ice melting.

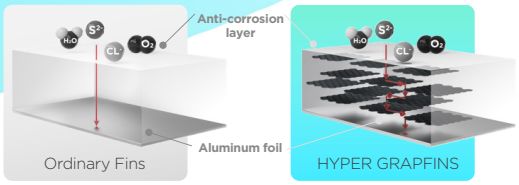
Prime Guard

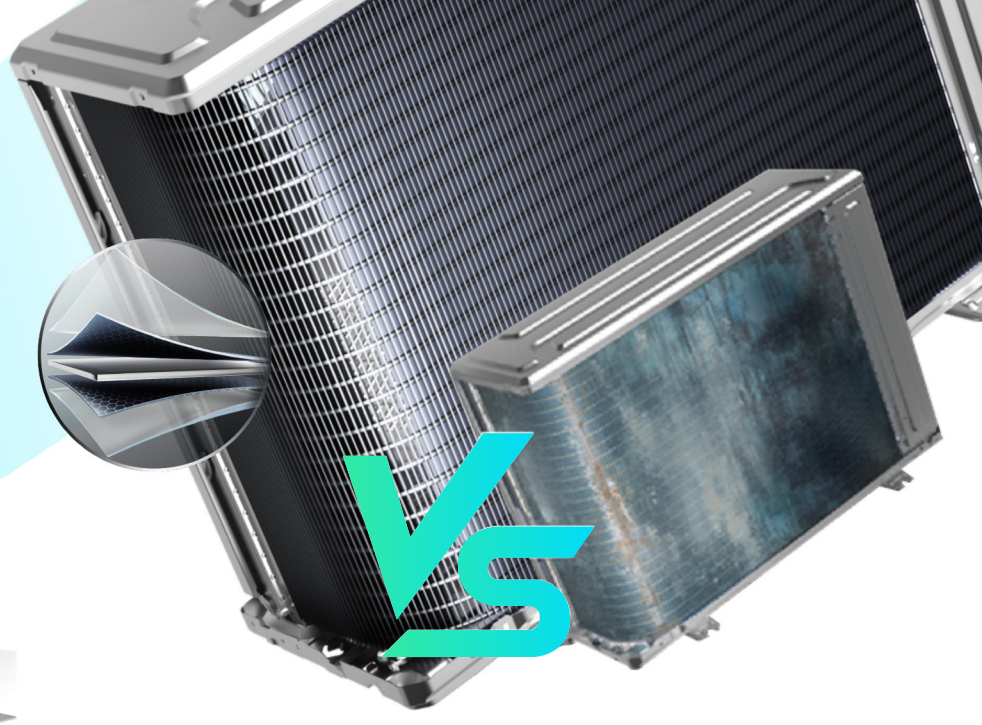
HYPER GRAPFINS™

12.5X

Corrosion Resistance than Blue Coated Fins

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.





* 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.

HYPER GRAPFINS™

Verified By Three Test Standards

20 to 50-year
-corrosion-resistance fin
Depended on the using industrial environment with salt contamination

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

0.02%
corrosion area

12.5X
corrosion resistance than blue coated fins

Stand Up to 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.

Built to Last

Anti-corrosion
Resist 1500h neutral Salt spray test.

Anti-aging
Durable after 240h of uvb light.

Double Protection
Double graphene layer For durability.

More Durable
Conformal coating up to 100μm Anti-sulfurization resistors.

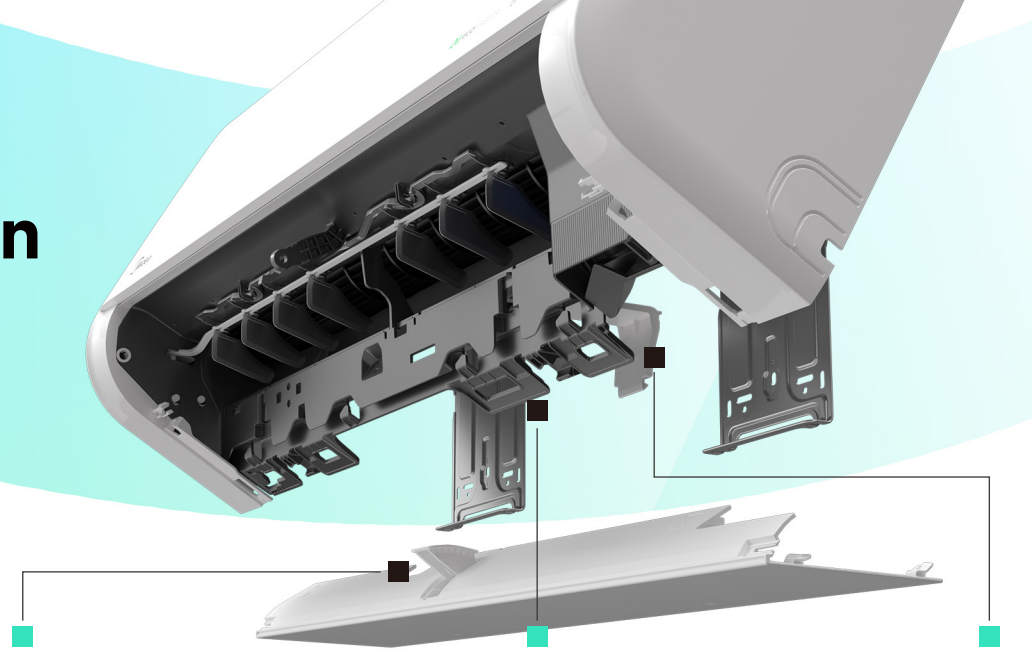
More Stable
Smooth operation in wider range Voltage fluctuation protection.

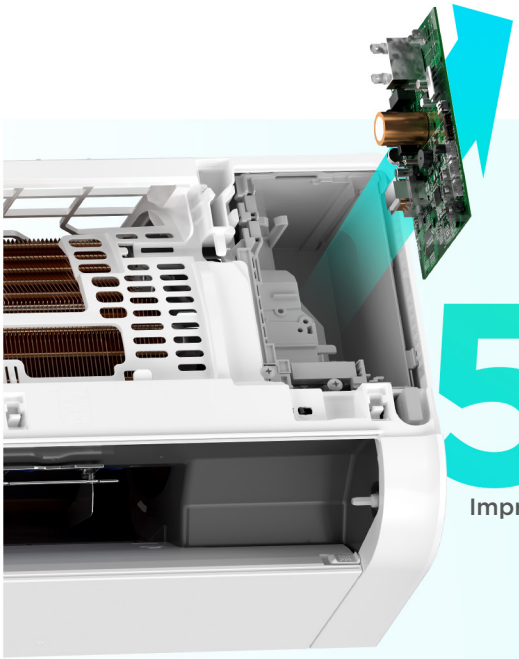
More Reliable
Double outlets patented ventilator Heat dissipation area increased by 15%.

Easy Installation

Pull Down Structure

Just loosen ONE screw to remove the pull down structure, and stretch out the built-in support lock. The enlarged working space and improved visibility were developed for easier installation.





Pull-out PCB Design

Achieve PCB replacement without removing the panel frame.

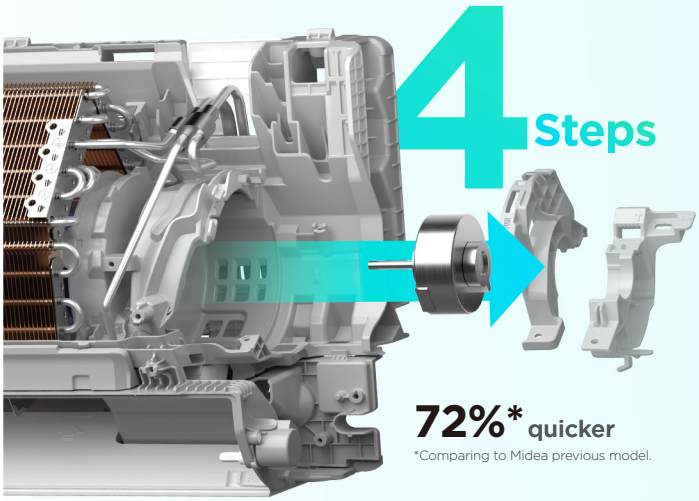
Open the Front Panel

Remove ONE Screw from the Electronic Control Box

Take Away the Electronic Control Box Cover

Remove Wire Terminals

Pull Out the PCB



Fan Motor Repair Upgrade

Achieve motor replacement without removing the evaporator.

Remove the Front Frame

Remove the Electronic Control Box

Take Away the Motor Bracket

Pull Out the PCB

Indoor Model			MSEZAU-09HRFN8-QRD6GW	MSEZBU-12HRFN8-QRD6GW	MSEZCU-18HRFN8-QRD6GW	MSEZDU-21HRFN8-QRD6GW	MSEZDU-24HRFN8-QRD6GW
Outdoor Model			MOX231-09HFN8-QRD6GW	MOX231-12HFN8-QRD6GW	MOX431-18HFN8-QRD6GW	MOX430-21HFN8-QRD6GW	MOX430-24HFN8-QRD6GW
Power supply		V-Ph-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling (Standard conditions)	Capacity	Btu/h	9000(3500-12000)	12000(4700-13800)	17060(6800-20900)	20813 (7600-30000)	23884(7600-30000)
	Capacity	kW	2.6 (1.0-3.5)	3.5 (1.4-4.0)	5.0 (2.0-6.1)	6.1 (2.2-8.8)	7.0 (2.2-8.8)
	Input	W	634(80-1300)	1080(130-1550)	1433(160-1787)	1694 (420-3450)	2120(420-3450)
	Current	A	4.4(0.35-5.82)	4.7(0.6-6.9)	6.04(0.72-7.90)	7.56 (1.8-15)	9.21(1.8-15)
	EER	W/W	4.10	3.24	3.49	3.60	3.30
Heating (Standard conditions)	Capacity	Btu/h	10000(2800-12500)	13000(3640-13900)	18425(4600-23100)	24908(5300-32000)	24908(5300-32000)
	Capacity	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)	7.3 (1.6-9.4)
	Input	W	674(70-1075)	1016(160-1400)	1440(230-1750)	1970(300-3150)	1970(300-3150)
	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)	8.56(1.3-13.7)
	COP	W/W	4.30	3.75	3.75	3.71	3.71
Seasonal Cooling	Pdesignc	kW	2.6	3.5	5.0	6.1	7.0
	SEER	W/W	8.8	8.5	8.5	8.5	7.9
	Energy Efficiency Class		A+++	A+++	A+++	A+++	A++
Heating(Average)	Pdesignh	kW	2.5	2.6	4.0	4.8	4.8
	SCOP	W/W	4.6	4.6	4.6	4.6	4.6
	Energy Efficiency Class		A++	A++	A++	A++	A++
	Tbiv	°C	-7	-7	-7	-7	-7
Heating(Warmer)	Pdesignh	kW	2.6	3.1	4.4	5.0	5.0
	SCOP	W/W	6.0	6.0	5.7	5.1	5.1
	Energy Efficiency Class		A+++	A+++	A+++	A+++	A+++
	Tbiv	°C	2	2	2	2	2
	Tol	°C	-15	-15	-15	-15	-15
Rated Power Input		W	2200	2200	2800	3800	3800
Rated Current		A	10	10	13.5	19	19
Indoor air flow (Turbo/Hi/Mi/Lo/Si)		m^3/h	650/510/360/285/150	800/600/450/370/220	950/800/600/470/340	1150/1090/790/635/445	1150/1090/790/635/445
Indoor noise level (Hi/Mi/Lo/Si)		dB(A)	39/34/25/19.0	39/32/26/20	43/36/28/21.5	46/39.5/32.5/21.5	46/39.5/32.5/21.5
Indoor sound power level		dB(A)	56	57	58	59	60
Indoor unit	Dimension(W*D*H)	mm	723x199x286	813x201x289	975x218x308	1055x231x330	1055x231x330
	Packing (W*D*H)	mm	780x270x365	870x270x365	1065x300x385	1130x405x310	1130x405x310
	Net/Gross weight	kg	7.5/9.6	8/10.4	10.2/13.3	13/16.4	13/16.4
Outdoor air flow		m^3/h	2200	2200	3500	3500	3500
Outdoor sound pressure level		dB(A)	54.0	55	57	60	60
Outdoor sound power level		dB(A)	62	63	65	68	68
Outdoor unit	Dimension(W*D*H)	mm	765x303x555	765x303x555	890x342x673	890x342x673	890x342x673
	Packing (W*D*H)	mm	887x337x610	887x337x610	995x398x740	995x398x740	995x398x740
	Net/Gross weight	kg	23.1/25.4	23.1/25.4	37.8/41.0	41.0/44.0	41.0/44.0
Refrigerant	Type		R32	R32	R32	R32	R32
	GWP		675	675	675	675	675
	Charged quantity	kg	0.55	0.58	0.85	1.08	1.08
Design pressure		MPa	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid side/ Gas side	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)	6.35mm(1/4in)/12.7mm(1/2in)
	Max. refrigerant pipe length	m	25	25	30	50	50
	Max. difference in level	m	10	10	20	25	25
Room temperature	Indoor(cooling/ heating)	°C	16~32/0~30	16~32/0~30	16~32/0~30	16~32/0~30	16~32/0~30
	Outdoor(cooling/heating)	°C	-15~50/-25~24	-15~50/-25~24	-15~50/-25~24	-15~50/-25~24	-15~50/-25~24
Application area (Cooling Standard)		m^2	12~18	16~23	23~33	32~47	32~47
Qty'per 20'/40'/40'HQ		.	100/220/245	95/200/235	65/135/155	65/130/150	65/130/150

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make yourself at home

https://www.midea-group.com