



Midea



Solstice

AI Powered Comfort Effortless Savings



ECOMASTER



SmartHome App



0° Ceiling Flow



180° Waterfall Flow



air magic+



Prime Guard

AI ECOMASTER

Equipped with Midea's AI EcoMaster that uses a powerful AI algorithm that has been extensively pretrained with billions of data points to provide the ultimate energy management in air conditioners, even without internet access.

Enhanced predictive capabilities achieves precise temperature control, balancing performance, comfort and efficiency (over 30% energy savings).



Conventional Eco Mode

Imprecise control resulting in temperature fluctuation, wasting energy

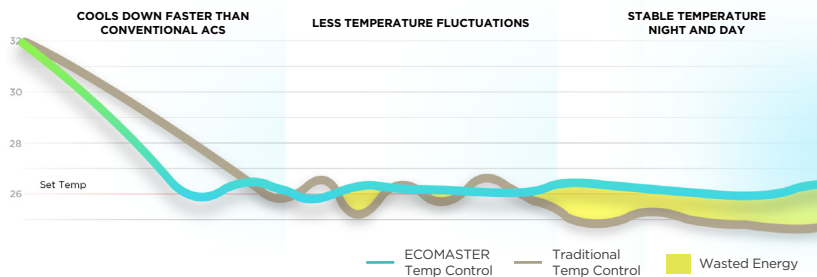
- 1 Single input of indoor temperature
- 2 Reactive approach without prediction



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

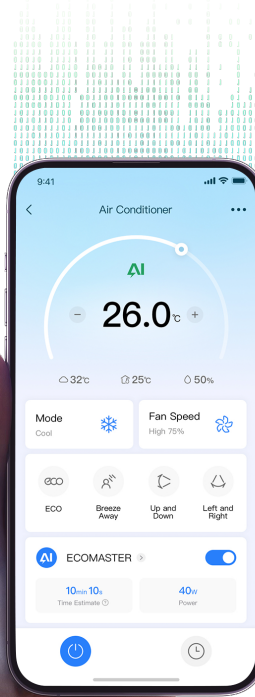


Perfectly balance efficiency & comfort

Precise Temp Control

30%
Extra Energy Saving

Verified by



Control from Anywhere

Easy to use app including energy monitor

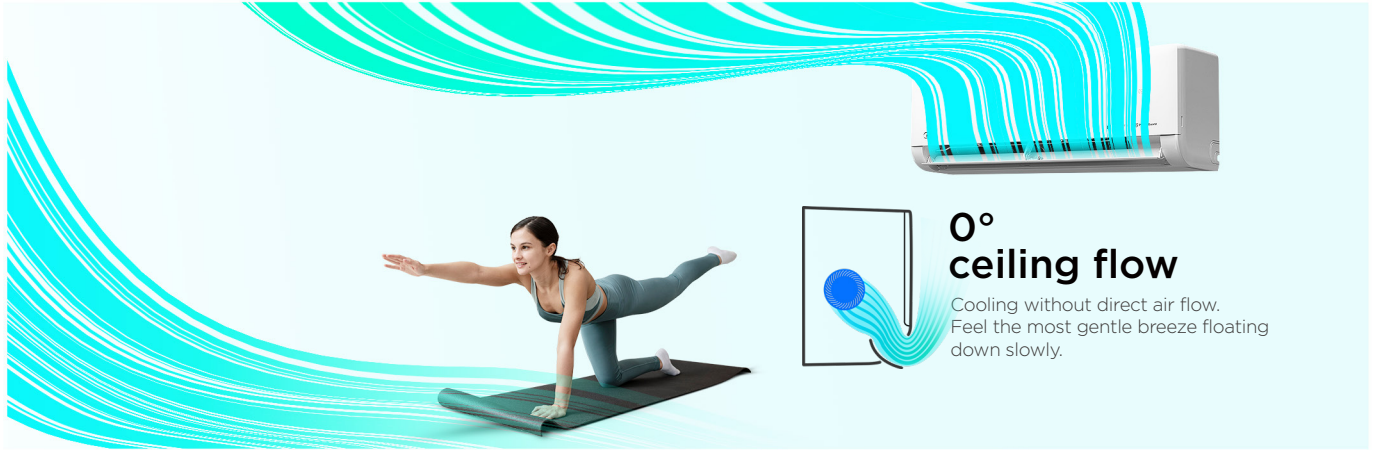
- Periodic energy reports
- Real time energy tracking
- Tailor-made energy saving tips



SmartHome Compatible

Full Deflector Rotation Flash Cooling

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



Sleek Performance

Sleek and subtle styling reflects the premium performance.



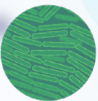
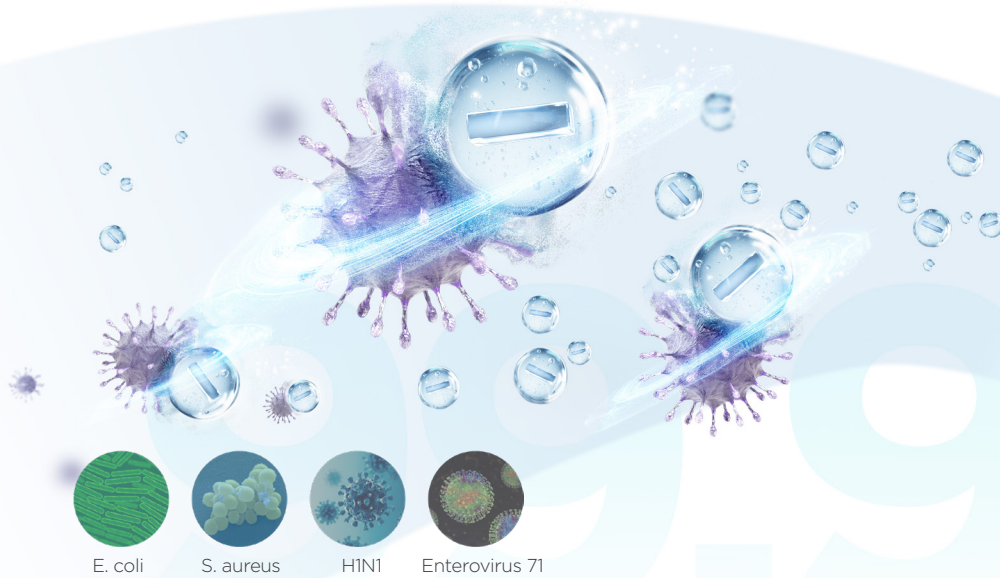
⚙️ Optimised

⚖️ Balanced

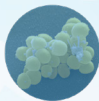
📦 Subtle

air magic+

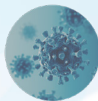
Built-in negative ion generator eliminates up to 99.9% of viruses and bacteria including Staphylococcus aureus, Escherichia coli, H1N1, Enterovirus 71*.



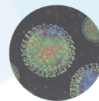
E. coli



S. aureus



H1N1

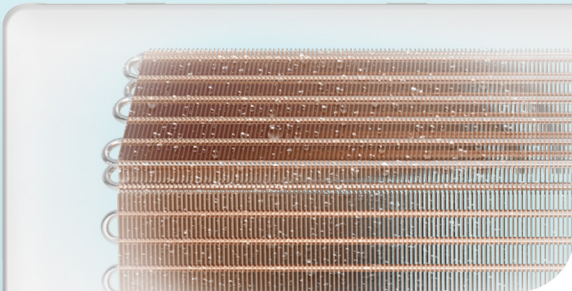


Enterovirus 71

*Testing based on negative ion generator criteria. Sterilization rates may vary during actual operation.

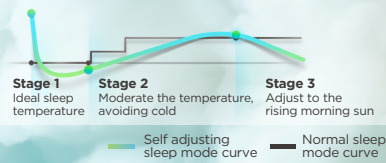
Self Cleaning

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.

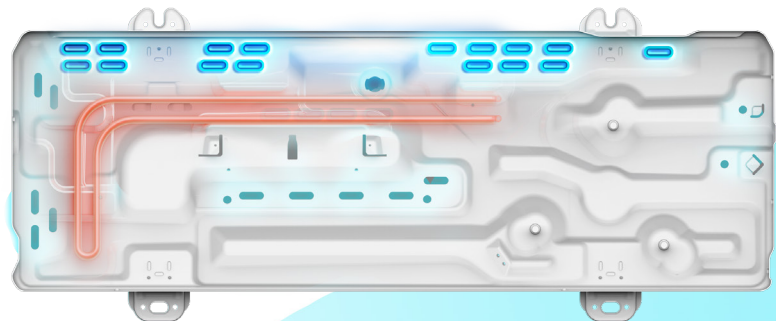


Low Ambient Temperature Heating



Crankcase Heating Belt

Warms the crankcase, for a quicker, smoother start in low temperature environments. Also prevents internal freezing of components.



Specialized Chassis for Extreme Cold Regions

1. The upgraded heater, embedded in a stainless steel chassis, has nearly double the power of the previous model, dissolving ice and snow from the outdoor unit quicker than ever.
2. Multiple openings have been added to the chassis structure to facilitate rapid drainage when the ice melts.

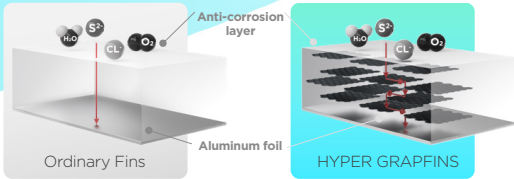
PG Prime Guard

HYPER GRAPFINS™

12.5X

More corrosion resistant than blue coated fins.

Graphene is a single layer of carbon atoms, tightly bound in a hexagonal honeycomb lattice. When graphene is added to the anti-corrosion layer, it impacts the density, increasing resistance.



* 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 HD22202-2/HW3308. Midea HYPER GRAPFINS in HMD011/HW3308.



HYPER GRAPFINS™

Verified By Three Test Standards

20 to 50 years
corrosion resistance

Depending on the environment and level of salt contamination

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

0.02% **12.5X**
corrosion area more corrosion resistant
than blue coated fins

Exposed 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 HD22202-2/HW3308. Midea HYPER GRAPFINS in HMD011/HW3308.

Built to Last

Anti-corrosion

Resisted 1500h neutral salt spray test.

Anti-aging

Still 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 over a wider range. Voltage fluctuation protection.

More Reliable

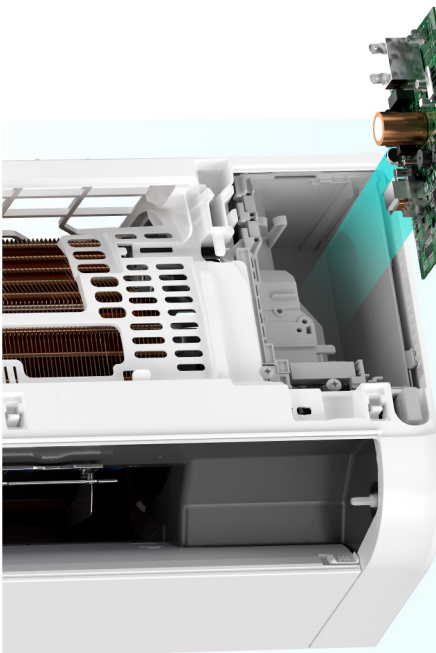
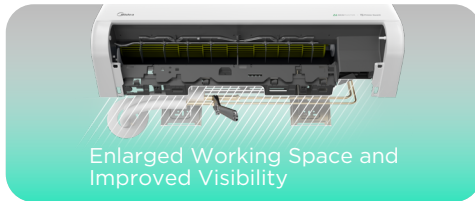
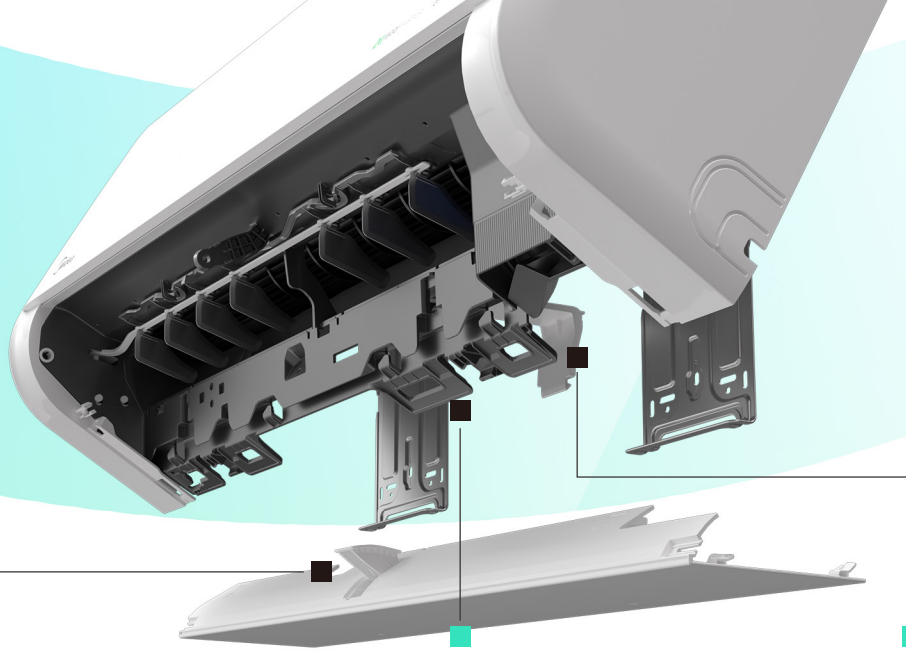
Double outlet patented ventilator. Heat dissipation area increased by 15%.



Easy Installation

Pull Down Structure

Loosen just ONE screw to remove the pull down structure. Keep in place with built-in support lock. Enlarged working space and improved visibility for easier installation.

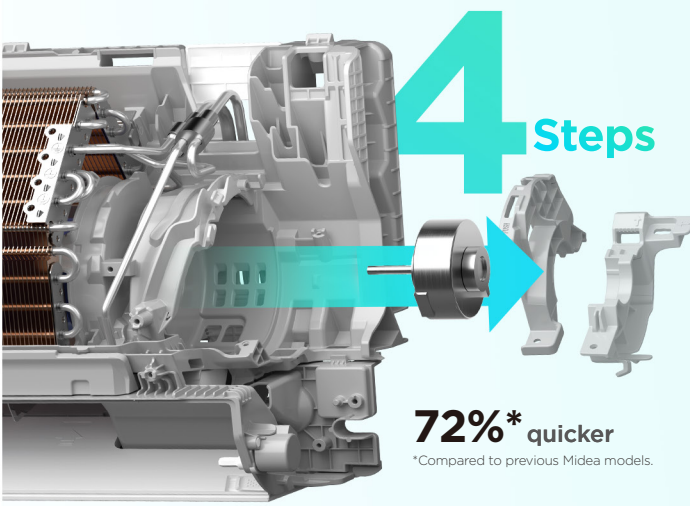


5 Steps
Improved process

Pull-Out PCB Design

Perform PCB replacement without removing the panel frame.

- 1 Open the front panel
- 2 Remove ONE screw from the electronic control box
- 3 Open the electronic control box cover
- 4 Disconnect wire terminals
- 5 Pull the PCB out



Fan Motor Repair Upgrade

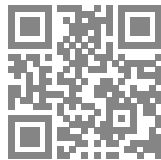
Replace the motor without removing the evaporator

- 1 Remove the front frame
- 2 Remove the electronic control box
- 3 Take away the motor bracket
- 4 Pull out the fan motor

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	
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)	m³/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	m³/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)	m²	12 ~ 18	16 ~ 23	23 ~ 33	32 ~ 47	32 ~ 47	
Qtyper 20' /40' /40'HQ		100/220/245	95/200/235	65/135/155	65/130/150	65/130/150	



make yourself at home



<https://www.midea-group.com>