



UtiCOOL OCEAN

An AI powered, wide voltage-protected inverter split air conditioning solution featuring high airflow capacity.



AI ECOMASTER
Up to 70% energy-saving*



COOLFLASH
Cools down 5°C in 10 mins with Inverter Compressor



Wide Voltage Operation 80V-285V
Built-in AVS & Durable PCB



5-level GenGear
maintain your electricity at home by maximizing the generator efficiency



WiFi Compatible
MSmartHome

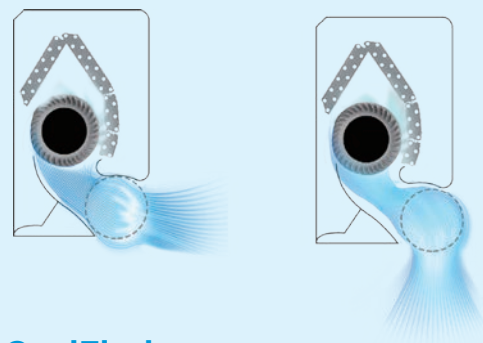


HYPER GRAPFINS
Up to 20 year corrosion-resistance fin, verified by Intertek



180° Rotating Deflector

Larger swing angle, Further air distance. This design provides a more comfortable cooling experience, allowing wind to avoid the user while sleeping or staying in the living room.



CoolFlash

CoolFlash breaks through the algorithm control limit and runs ultra-frequency to achieve instant cooling. With one press of the CoolFlash button, your room can be quickly cooled down to the desired temperature, immersing you in an evenly cool room.

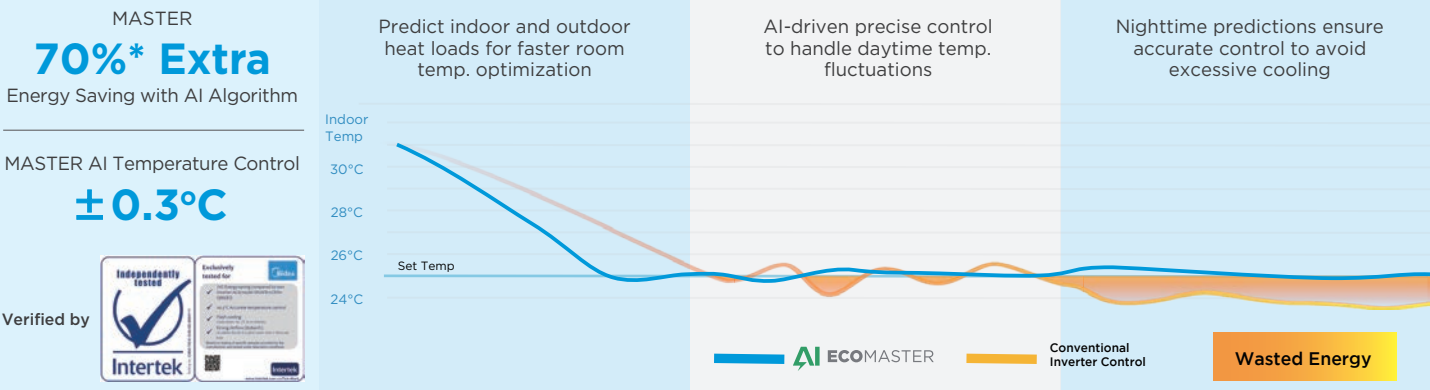
Circulate the air in a 36M² room
7 times
every hour**

Cools down
5°C
in 10 mins*

Air Volume
838m³/h

* Tested by Midea Lab for 5-minute cooling. The room temp of 1.5HP UNICOOL OCEAN AC dropped by 5°C, with an initial room temp is 35°C, and the outdoor temp is 43°C, 60% RH.
** Tested on the 1.5HP UNICOOL OCEAN AC in turbo mode by Midea Lab, the farthest distance refers to a wind speed of no less than 0.3m/s

Master Comfort Saving



*The data is calculated and compared according to the data under the normal mode of the traditional inverter model with the same capacity and the same energy efficiency ratio.

5-level GenGear

Visualize The Power Consumption

Upgraded with Power Display Panel

26°C

L5 1050W
L4 950W
L3 800W
L2 650W
L1 550W

Gear

Less Power Still Cool

500W

as low as
50%
AC Power Output

500w

TOTAL
900w

One Button To Enter Gen Mode

More Effortless

Activate GEAR mode with a single button press.

More Protection

Seamlessly switch to GEAR mode for enhanced system protection and convenience.

1 **Condensed Water**
Cooling mode & Mid-speed wind
10min

2 **Frosting**
The temperature cools rapidly ($T \leq -10^{\circ}\text{C}$) and frost forms on the evaporator surface.
10min

3 **Washing**
Defrost into water to remove dust and dirt.
20min

4 **Drying**
Dry the evaporator to prevent mold growth.
2min

Total 42mins

This function does not replace any minor or major services on the unit.

5 Reverse Fan Operation



Reverse Fan Operation

The fan reverses direction to dislodge dirt from the coil surface, helping maintain efficiency and reducing manual cleaning needs.



High-temp Operation

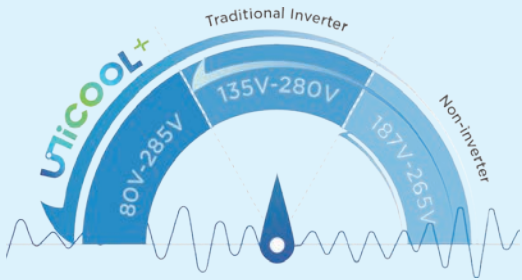
Even at high temperatures of up to 52°C, Midea Inverter still operates effectively, beating heat and providing optimal cooling to the room.

52°C

Wide Voltage Operation 80V-285V

Low Voltage Protection

The lowest voltage can reach 80V, withstand the test of extreme low voltage.



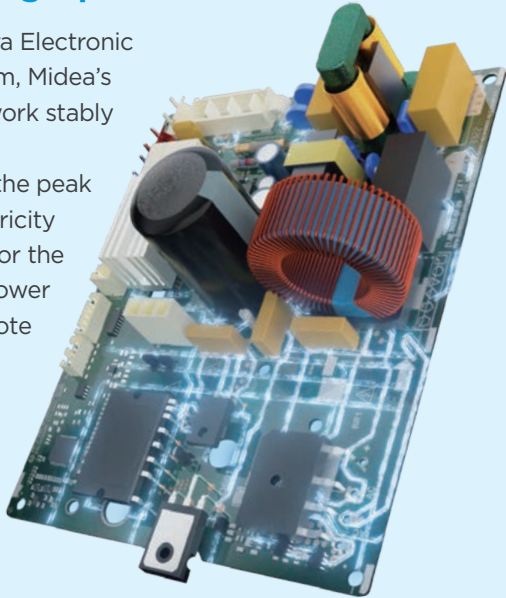
NON-INVERTER



Enjoy consistent cool even at fluctuant voltage

Reliable PCB with Wide Voltag Operation

Thanks to Ultra Electronic Control System, Midea's Inverter can work stably in 80V-285V*. Whether it is the peak of urban electricity consumption or the shortage of power supply in remote areas, it can always work consistently and smoothly.



CONVENTIONAL

184V 245V

MIDEA UTICOOL OCEAN

80V 285V

* The voltage operation range of UNICOO is 80-285V, 18k and above is 120-285V.

All-IN-ONE SMART CONTROL



Wifi Control
Just with one click on the phone, you can control your AC without the limit of location and time

Multi-scene Personalization
Set an ideal mode for you based on your won preference, current outdoor temperature or time and location

Bluetooth Control
Work with even no WIFI, faster and direct connection

Energy-saving Report
By daily, weekly, monthly, and yearly, the energy you saved can be tracked on time

Set Your Goal And Get Customized Suggestion
Grasp your energy-saving footprint anytime

Connect with Midea APP, start an energy-saving daily habit from here

Preset arrive home scene mode to let your AC work in advance, by setting preferred fan speed, temperature and AC mode.

Easy to Maintain

Quick and Easy to Pull-out PCB
The Easier Solution for PCB Replacement

5 Steps

Maintenance Efficiency Increased by **32%**

NEW

8 Steps

Must to Remove the Front Frame

Ordinary AC

Quick and Easy to Pull-out Fan Motor
The Easier Solution for Fan Motor Replacement

4 Steps

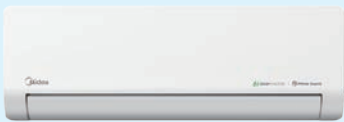
Maintenance Efficiency Increased by **72%**

NEW

7 Steps

Evaporator Must be Removed

Previous AC



SPECIFICATIONS

Model Number	Indoor Market model		MSE-09HFN8-A1O	MSE-12HFN8-A1O	MSE-18HFN8-A1O	MSE-24HFN8-A1O
	Outdoor Market mode		MOX1-09HFN8-A1O	MOX1-12HFN8-A1O	MOX3-18HFN8-A1O	MOX4-24HFN8-A1O
Power Supply(Volts; Hz; Phase)			220-240;50;1	220-240;50;1	220-240;50Hz;1	220-240;50;1
Cooling (Standard conditions)	Cooling Capacity	Btu/h	9000	12000	18000	20814
	Cooling Capacity Range	Btu/h	3,753-10,919	4,699-13,478	6,142-20,132	6824-26,615
	Cooling Input	W	822	1096	1606	1890
	Cooling Input (range)	kW	0.08 - 1.26	0.12 - 1.35	0.14 - 2.1	0.42 - 3.9
	Cooling Current	A	3,47	4,62	6,77	11.5
	Cooling Current(range)	A	0.8-5.6	0.5-6.1	0.6-9.3	1.8-19
	EER	W/W	3,21	3,21	3,28	3,21
	Class in Cooling	A	A	A	A	A
Heating (Standard conditions)	Heating Capacity	Btu/h	10000	13,000	18500	22998
	Heating Capacity Range	Btu/h	2,832-12,284	3,651-14,672	4,436-20,814	5,459-26,615
	Heating Input	W	790	1,010	1,390	1823
	Heating Input(range)	kW	0.14 -1.16	0.11 -1.25	0.22 -1.70	0.3 -2.50
	Heating Current	A	3.7	4.6	6.1	11.0
	Heating Current(range)	A	1.2 -5.2	0.5 -5.5	0.9 -7.6	1.3 -11.1
	COP	W/W	3,61	3,71	3.88	3,71
	Class in Heating		A++	A++	A++	A++
Rated Power Input	Max. Input	W	2,200	2,200	2,800	3,900
Rated Current	Max. Current	A	10.0	10.0	13.0	19.0
Indoor air flow (Turbo/Hi/Mi/Lo)	Indoor Indoor air flow (Turbo/Hi/Mi/Lo/Si)	m³/h	580/510/380/300/140	800/600/450/370/220	950/800/600/470/340	1,400/1,050/750/600/400
Indoor noise level (Turbo/Hi/Mi/Lo/Si)	Indoor noise level (Turbo/Hi/Mi/Lo/Si)	dB(A)	46/38/33/24/19	46/38/32/25/20	48/43/36/34/20	51/45/40/36/22
Indoor unit	Indoor Unit Dimension W×D×H	mm	723.00×199.00×286.00	813.00×201.00×289.00	975.00×218.00×308.00	1,055.00×231.00×330.00
	Indoor Package Dimension W×D×H	mm	780×270×365	870×270×365	1,035×295×385	1,130×405×310
	Indoor Item Net/Gross weight	kg	7.0/9.2	8/10.3	10.3/13.3	12.4/15.9
	Indoor Item Net/Gross weight	lb	15.43/20.28	17.64/22.71	22.71/29.32	27.34/35.05
Compressor	Outdoor Compressor Model		KSN98D13UEZ32	KSN98D13UEZ32	KSN140D33UFZB3	KTM29000D27UKT3
	Outdoor Compressor Type		ROTARY	ROTARY	ROTARY	TWIN-ROTARY
	Outdoor Compressor Brand		GMCC	GMCC	GMCC	GMCC
	Outdoor Compressor Capacity	W	1915/3050±3%	1915/3050±3%	2690/4350	4505/7270±3%
	Outdoor Compressor Input Power	W	310/800±3%	310/800±3%	434/1127	767/1980±3%
	Outdoor Compressor Rated current	A	2.35/4.95±3%	2.35/4.95±3%	3.18/6.9	4.15/9.15±3%
	Outdoor Refrigerant oil/oil charge	mL	POE VG74 280±10 ml	POE VG74 280±10 ml	ESTER OIL VG74 420±10ml	POE VG74 500±15ml
Outdoor air flow	Outdoor Outdoor air flow	m³/h	1,750	1,750	2,100	3,500
Outdoor noise level	Outdoor noise level (Hi)	dB(A)	54.5	56.0	57.5	60.0
ODU Throttle type	Outdoor Throttle type		(Capillary)	(Capillary)	(Capillary)	(Throttle valve)
Outdoor unit	Outdoor Unit Dimension W×D×H	mm	720.00×270.00×495.00	720.00×270.00×495.00	805.00×330.00×554.00	890.00×342.00×673.00
	Outdoor Package Dimension W×D×H	mm	835×300×540	835×300×540	915×370×615	995×398×740
	Outdoor Item Net/Gross weight	kg	20.4/22.3	21.1/23	29.8/32.3	38.3/41.5
	Outdoor Item Net/Gross weight	lb	44.97/49.16	46.52/50.71	65.70/71.21	84.44/91.49
Refrigerant type	Outdoor Refrigerant type		R32	R32	R32	R32
	Outdoor Refrigerant charge	kg	0.46	0.58	0.80	0.95
	Outdoor Additional charge per metre	g	12	12	12	12
Design pressure	Design pressure(MPa)	MPa	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid side	mm(inch)	6.35mm(1/4in)	6.35mm(1/4in)	6.35mm(1/4in)	6.35mm(1/4in)
	Gas side	mm(inch)	9.52mm(3/8in)	9.52mm(3/8in)	12.7mm(1/2in)	12.7mm(1/2in)
	Max. refrigerant pipe length	m	25	25	30	50
	Max. difference in level	m	10	10	20	25
Connection wiring	Connection Wiring		1.5x5 / / / /	1.5x5 / / / /	1.5x5 / / / /	2.5x5 / / / /
Plug type	Plug type		/ / 1.5x3no-plug	/ / 1.5x3no-plug	/ / 1.5x3no-plug	/ / 2.5x3no-plug
Thermostat type	Controllor type		/	/	/	/
Room temperature	Room temperature_Indoor(cooling)	°C	16-32	16-32	16-32	16-32
	Room temperature_Outdoor(cooling)	°C	-15-50	-15-50	-15-50	-15-50
	Room temperature_Indoor(heating)	°C	0-30	0-30	0-30	0-30
	Room temperature_Outdoor(heating)	°C	-20-24	-20-24	-20-24	-20-24
Qty'per 20' /40' /40'HQ	Qty'per 20' /40' /40'HQ	set	140/290/320	130/275/310	86/182/208	65/130/150