

UtiCOOL BLACK

COOL SMART SAVE MORE

Feature



ECOMASTER



5-level
GenGear Control



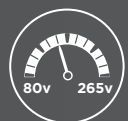
Dual-Core Ionizer
Sterilization



Humidity
detection



A-Rated
Energy Efficiency



Work without stabilizer
from 80V-265V



Matte Black panel



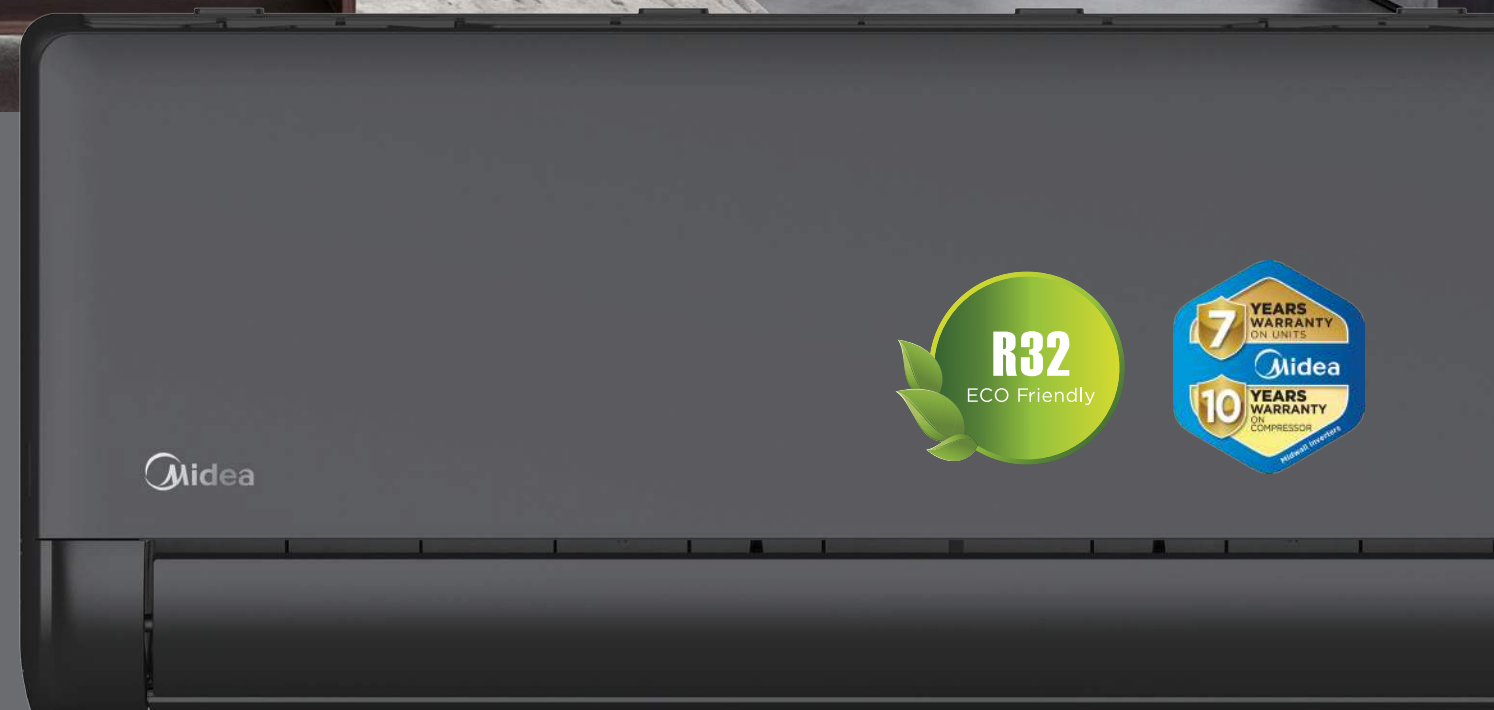
Hyper
Grapfins



Coolflash
Technology



MSmartHome
Compatible





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.



Conventional Eco Mode

Imprecise control resulting in temperature fluctuation, wasting energy

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

VS

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

Saved Up to

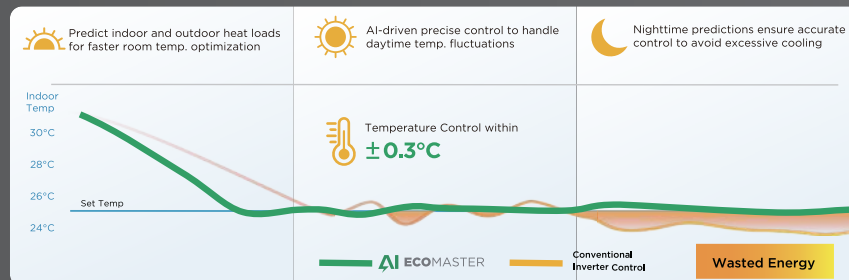
86%*

Energy Comparing to On/Off

Extra

30%**

Energy Comparing to Convention Inverter



*Tested by Midea Lab. Comparing the energy consumption on/off AG in turbo mode and EZ2 in AI ECOMASTER mode for 8 hours.
** Data verified by SGS. Compared energy saving percentage between ECOMASTER mode and normal cooling mode, test models MSEZ1B-09CRFN8-QC6/MSEZ1B-12CRFN8-QC6/M-SEZ1C-18CRFN8-QC0/MSEZD-24CRFN8-QC5W, test method PT-23-000-301710, under the initial indoor temp. 32°C, outdoor temp. 35°C, set temp. 26°C, RH 65%, 0.3°C
Data verified by SGS for E series split type air conditioner with ECOMASTER mode.

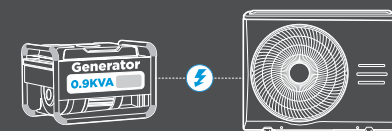
The First 5-Level Watt Control

Maximize The Generator Efficiency



Grasp The Electricity At Ease

When you run Midea UNICOOL (9000BTU) at GenGear level 1 (500W)



Can keep the AC working at a lower power so as to run more appliances at the same time



One Button To Enter Gen Mode

More Effortless

No need to turn on the AC with power button + the GENGEAR button

More Protection

No need to bear the switch from normal state to the GENGEAR state



MSmartHome

*Applicable in the MSmartHome APP

Dual-core Ionizer

99.9% Sterilization & Dust Removal

Protect your family with cleaner, safer air. The Dual-core ionizer module powers on and releases a massive stream of ions that travel with the airflow to every corner of the room. These ions act like magnets, attracting and neutralizing dust, mold, and harmful bacteria



Humidity Detection

Smart Humidity Sensor

Equipped with precision sensors, the AC monitors indoor humidity and allows users to set their desired level. If humidity drops, the system automatically increases fan speed and compressor frequency to balance cooling without over-drying. System will also determine the precise dehumidification requirement and regulates the T2 (evaporator) temperature to maintain the target humidity. (Note: The unit supports dehumidification only. It can not add moisture.)



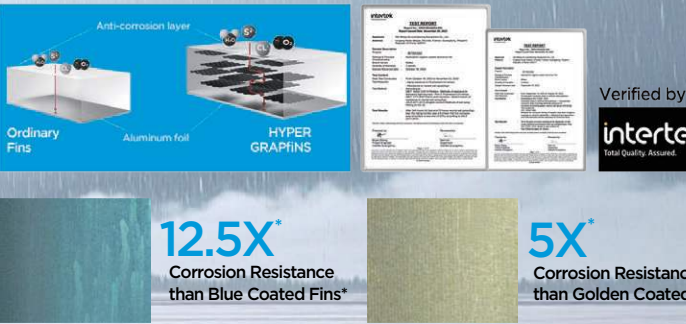
Hyper Grapfins

As a cutting-edge aerospace material, graphene consists of a single layer of carbon atoms in a honeycomb lattice. Its addition to anti-corrosion coatings enhances structural density, creating an impermeable barrier for high-performance aviation applications.

Extreme Durability: Your air conditioner is built to withstand the harshest environments, from salty coastal air to high humidity, ensuring a significantly longer lifespan.

Sustained Performance: By preventing rust and degradation, Hyper Grapfins ensures your unit maintains its peak cooling efficiency year after year.

Total Peace of Mind: You are investing in a product engineered for lasting reliability, saving you from future worries and costly repairs.



COOLFLASH

DC Inverter Compressor

A series of hardware technology improvements ensure that the compressor operates more efficiently and economically at low frequencies, enhancing the overall efficiency of the unit.



*Data Source: ChinalOL.com. Measuring GMCC&Welling Sales Volume from establishment to H1, 2024.

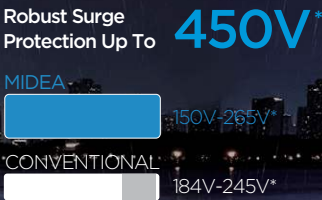
CoolFlash

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.



Wide Voltage Protection

Engineered for unstable power grids, our Wide Voltage Operation technology provides uninterrupted comfort when conventional units fail. It operates flawlessly in an extreme 150V-264V* range and is shielded by robust surge protection up to 450V. This dual protection ensures you get consistent cooling and guarantees the long-lasting durability.



* Tested on the 24K inverter AC MAS24C2EZ1 by Midea lab.

Matte Black Panel

Why should a powerful air conditioner compromise your home's aesthetic? We believe performance and style should coexist beautifully. Introducing our stunning new model in a sophisticated Matte Black finish. Crafted to be the centerpiece of your modern interior. Its deep, non-reflective surface exudes an understated elegance, resisting fingerprints and softening light to create a premium, tactile feel. It blends seamlessly with minimalist designs, dark wood accents, and contemporary decor, transforming a functional necessity into a deliberate piece of wall art.

UTICOOL BLACK

ECOMASTER | Dual-core ionizer | 5-level GenGear



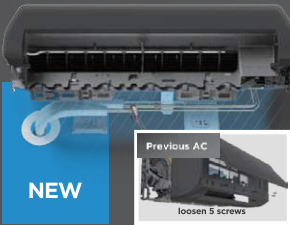
Easy to Install

Pull-down Structure

Just loosen ONE screw to remove the PULL-DOWN Structure, and stretch out the Built-in Support Holder for enlarged working space and improved visibility, providing installers with a better installation solution.



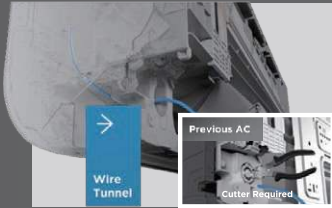
Installer-friendly Design



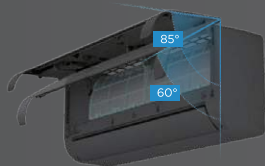
Enlarged Working Space, Improved Visibility
loosen 1 screw to dismantle the frame



Larger Space IN 5cm Ceiling
Easier to recover without disassembling the entire frame



Easier Wiring with Wire Tunnel
Tool-less Wiring



Two Opening Angles of Panel
Available at 85° and 60°, suitable for more installation scenarios



Pocket Hole
More space for a wrench

What's in the box:

● Indoor Unit



● Outdoor Unit



● Remote Control



PRODUCT SPECIFICATION

Indoor			MSE-09HFN8-BA1	MSE-12HFN8-BA1	MSE-18HFN8-BA1	MSE-24HFN8-BA1
Outdoor			MOX1-09HFN8-B1A	MOX1-12HFN8-B1A	MOX3-18HFN8-B1A	MOX4-24HFN8-B1A
Power Supply		Ph-V-Hz	220-240;50;1	220-240;50;1	220-240;50;1	220-240;50;1
Cooling	Capacity	Btu/h	9000	12000	18000	24000
	Capacity Range	Btu/h	3,753-10,919	4,699-13,478	6,142-20,132	6824-26,615
	Input	W	882	1096	1606	1890
	Input Range	kW	0.08 - 1.26	0.12 - 1.35	0.14 - 2.1	0.42 - 3.9
	Current	A	3.47	4.62	6.77	11.5
	Current Range	A	0.8 - 5.6	0.5 - 6.1	0.5 - 6.1	1.8 - 19
	EER	W/W	3.21	3.21	3.28	3.21
	Class in Cooling		A	A	A	A
Heating	Capacity	Btu/h	10000	13000	18500	22998
	Capacity Range	Btu/h	2,832 - 12,284	3,651 - 14,672	4,436-20,814	5,459-26,615
	Input	W	790	1010	1390	1823
	Input Range	kW	0.14 - 1.16	0.11 - 1.25	0.22 - 1.70	0.3 - 2.50
	Current	A	3.7	4.6	6.1	11.0
	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 Cooling		A++	A++	A++	A++
Rated power input		W	2200	2200	2800	3900
Rated current		A	10.0	10.0	13.0	19.0
Indoor fan motor	Model		ZKFP-31-8-1L	ZKFP-31-8-1L	ZKFP-35-10-188L	ZKFP-58-8-26L
	Insulation Class		B	B	B	B
	Waterproofing Class		IP20	IP20	IP20	IP20
	Speed (Hi/Mi /Lo)	r/min	1150/990/910	1000/880/820	1000/868/802	1050/910/840
Indoor coil	Number of rows		1	2	2	2
	Tube pitch(a)x row pitch(b)	mm	18x17.3	19.5x11.6	19.5x11.6	19.5x11.6
	Fin spacing	mm	1.3	1.3	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia. and type	mm	ø5	ø5	ø5	ø5
	Evaporator Tube outside type		Inner groove tube	Inner groove tube	Inner groove tube	Inner groove tube
	Coil length x height x width	mm	530x72x17.3+530x108x17.3+530x108x17.3	620x195x23.2+620x97.5x23.2	770x195x23.2+770x117x23.2	820x214.5x23.2+820x117x23.2
	Number of circuits		2	3	4	6
Indoor air flow (Hi/Mi /Lo)		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 (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	Dimensions (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
	Packing (W*D*H)	mm	780×270×365	870×270×365	1,035×295×385	1,130×405×310
	Net/Gross weight	Kg	7.0/9.2	8/10.3	10.3/13.3	12.4/15.9
	Net/Gross weight	lb	15.43/20.28	15.43/20.28	15.43/20.28	27.34/35.05
Compressor	Model		KSN98D13UEZ32	KSN98D13UEZ32	KSN140D33UFZB3	KTM2900D27UKT3
	Type		Rotary	Rotary	Rotary	Twin-Rotary
	Brand		GMCC	GMCC	GMCC	GMCC
	Capacity	W	1915/3050±3%	1915/3050±3%	2690/4350	4505/7270±3%
	Input	W	310/800±3%	310/800±3%	434/1127	767/1980±3%
	Rated current (RLA)	A	2.35/4.95±3%	2.35/4.95±3%	3.18/6.9	4.15/9.15±3%
Outdoor fan motor	Refrigerant oil / oil charge	ml	POE VG74 280±10 ml	POE VG74 280±10 ml	ESTER OIL VG74 420±10ml	POE VG74 500±15ml
	Model		ZKFN-25-10-6L	ZKFN-25-10-6L	ZKFN-34-10-1L-1	ZKFN-80-10-1L-1
	Insulation Class		B	B	B	B
	Waterproofing Class		IP24	IP24	IP24	IP44
Outdoor coil	Speed (Hi/Mid/Lo)	r/min	800/700/600	800/700/600	830/700/650	900/550
	Number of rows		1.0	1.0	2.0	1.6
	Tube pitch(a)x row pitch(b)	mm	18x17.3	21x22	18x17.3	18x17.3
	Fin spacing	mm	1.3	1.3	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia. and type	mm	ø5	ø7	ø5	ø5
	Tube outside dia. and type	mm	Inner groove tube	Inner groove tube	Inner groove tube	Inner groove tube
	Coil length x height x width	mm	695x468x17.3	740x462x22	870x504x34.6	900*612*17.3+540*612*17.3
Number of circuits			3	2	8	8
Outdoor air flow		m3/h	1.750	1.750	2.100	3.500
Outdoor sound pressure level		dB(A)	54.5	56.0	57.5	60.0
Outdoor Throttle Type			Capillary	Capillary	Capillary	Throttle Valve
Outdoor unit	Dimensions (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
	Packing (W*D*H)	mm	835×300×540	835×300×540	915×370×615	995×398×740
	Net/Gross weight	Kg	20.4/22.3	21.1/23	29.8/32.3	38.3/41.5
	Net/Gross weight	lb	44.97/49.16	46.52/50.71	65.70/71.21	84.44/91.49
Refrigerant	Type		R32	R32	R32	R32
	Charge	Kg	0.46	0.58	0.80	0.95
	Charge per metre	g	12	12	12	12
Design pressure		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			1.5X5////	1.5X5////	1.5X5////	2.5X5////
Plug type			// 1.5x3no-plug	// 1.5x3no-plug	// 1.5x3no-plug	// 1.5x3no-plug
Thermostat type			Infrared RG-10N	Infrared RG-10N	Infrared RG-10N	Infrared RG-10N
Room temperature	Indoor (cooling)	°C	16-32	16-32	16-32	16-32
	Outdoor (cooling)	°C	-15-50	-15-50	-15-50	-15-50
	Indoor (heating)	°C	0-30	0-30	0-30	0-30
	Outdoor (heating)	°C	-20-24	-20-24	-20-24	-20-24
Qty per 20'/ 40'/ 40'HQ		Set	140/290/320	130/275/310	86/182/208	65/130/150