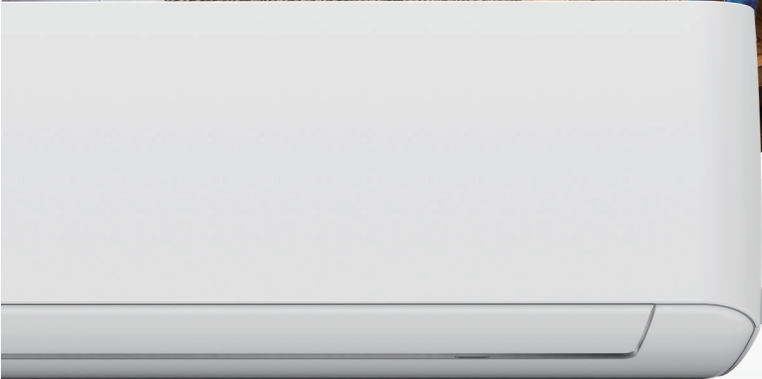




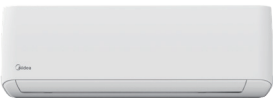
OP+

Enjoy Comfortably and Ultimate Heating Experience
Even at -35°C

Feature

- | | | | | | | |
|---|--|---|---|--|---|---|
| 
Ultra High Energy Efficiency | 
Ultra Low Ambient Heating | 
Hidden Millimeter-wave Radar | 
56 °C Sterilization | 
Breeze Away | 
0.5°C Control | 
Golden Fin |
| 
Refrigerant Leakage Detect | 
8°C Heating | 
Low Noise Airflow System | 
Vertical Louver Auto Swing | 
Follow Me | 
ECO Mode | 
Sleep Mode |
| 
Low Ambient Kit | 
Auto Restart | 
Timer | 
I Remote | 
Gear | 
I-Clean | |

Appearance



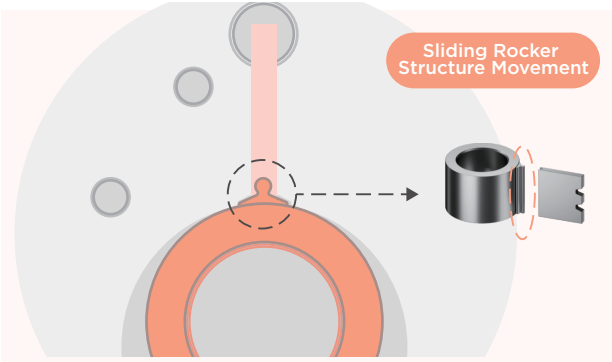
Ultra High Energy Efficiency

Ultra-high Energy Efficiency

Energy Efficiency Class
A+++

The compressor used in OP+ adopts Magnetic Pole and Tooth High Energy Density Technology with balanced magneto-electric losses, resulting in a **27.5%*** reduction in copper consumption, a **13.1%** decrease in iron consumption, and a **1.4%** improvement in motor efficiency.

*Compared with conventional magnetic design

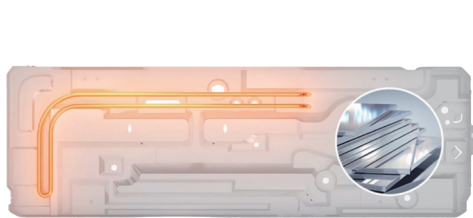


By adopting an innovative sliding rocker structure, friction power consumption and leakage losses in the sliding section (between the slider and piston) are reduced, achieving ultra-low leakage and ultra-low friction.

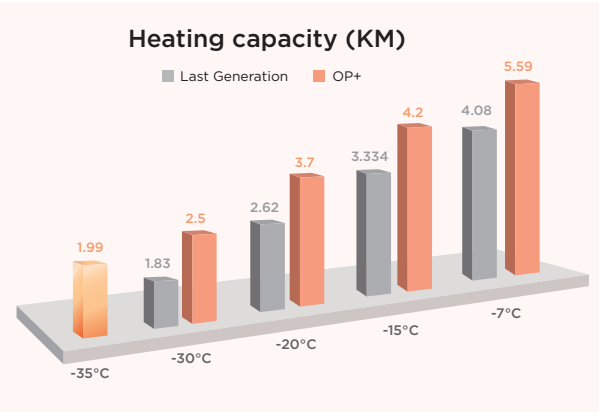
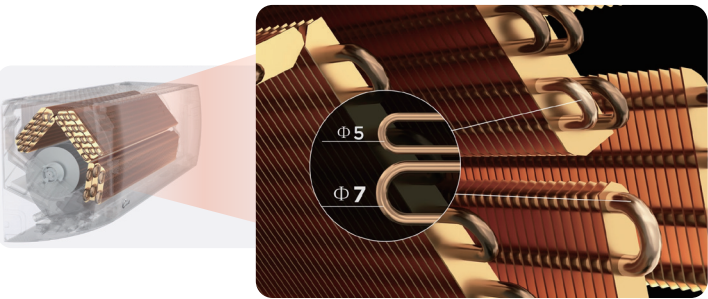
The contact stress is reduced by **85%**, and the friction coefficient decreases by **87%**.

-35°C Low Ambient Heating

OP+ not only utilizes the high-efficiency with large displacement compressor, but also comes standard with Crankcase Heating Belt and Compressor Heating Belt, ensuring stable operation at -35°C low temperatures.



Φ7 and Φ5 hybrid pipe design heat exchanger offers better performance rate, -15 degrees low temperature heating output 100%, which is 10% more than the conventional heat exchanger.



Greater Energy Savings



Hidden Millimeter-wave Radar

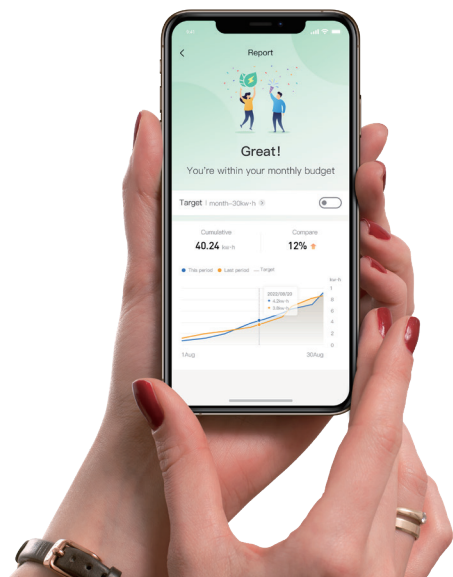
Midea cares about user privacy. By using hidden and non-intrusive detection sensor, it can automatically adjust the operation mode based on the detection of subtle human movements in the room.

When you are away for 30 minutes, automatically lowers the frequency to save energy (for inverter modes only).



When you are away for 2 hours, the frequency automatically sets even lower.

When you returns to the room, automatically returns to operate at high frequency.



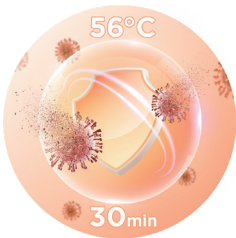
Manage Every Energy Step

- Check your every step on energy consumption anytime
- Weekly, monthly, and yearly reports are available on SmartHome APP
- Tailored energy-saving tips are also ready for you

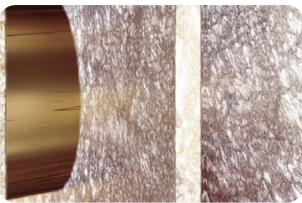
Protect Your Health

56°C High Temperature Sterilization

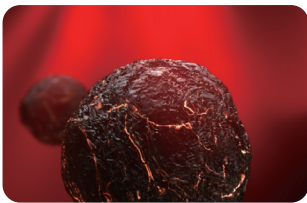
The AC unit can spin the fan in reverse direction to remove condensed water for self-cleaning in Off mode, effectively preventing bacteria and mold from breeding.



Water on Evaporator



Frost on Evaporator



56°C Sterilization Heating Mode



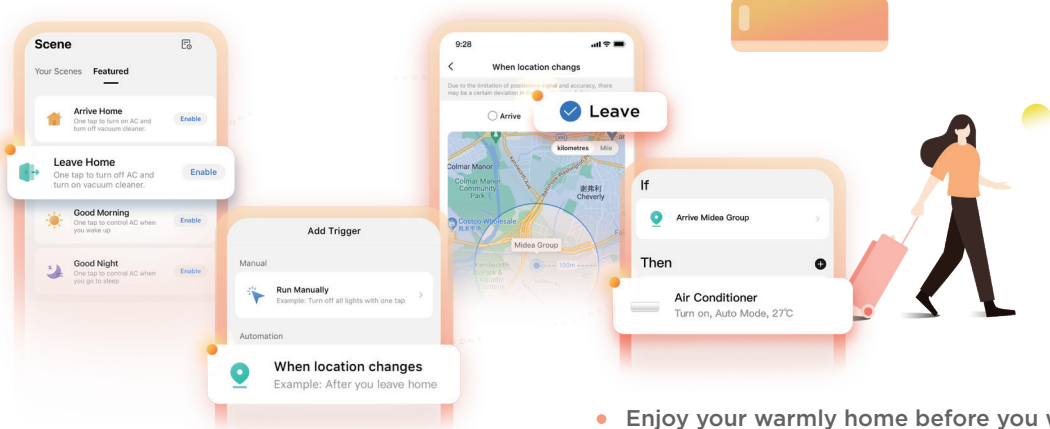
Fan Mode

Based on disinfection performance testing by UL (4789839048), 56°C High Temperature Self-Clean can remove 99. 9% Escherichia coli, Staphylococcus aureus, Psudomonas Arginosa, Klebsiella pneumoniae.

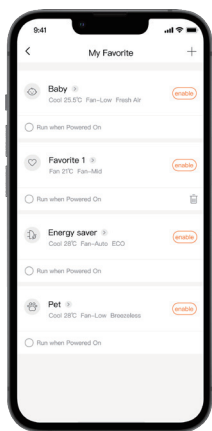
Enhanced Intelligent Experience

LBS Geolocation Mode

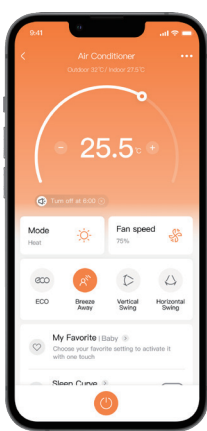
Set your home location on the SmartHome APP, when you come back or leave home, the AC will turn on or off automatically.



- Enjoy your warmly home before you walk in
- No need to worry about forget to turn off the AC



Personalize Your Smart Mode



Real Comfort Heating with Breeze Away Mode

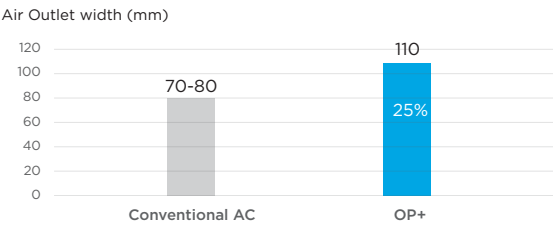
Chill Your Space Effortlessly

Low Ambient Cooling

With low ambient cooling function, the outdoor fan speed can be changed according to the condenser temperature and AC can run smoothly under the temperature as low as -15°C.



Strong Long Windblast

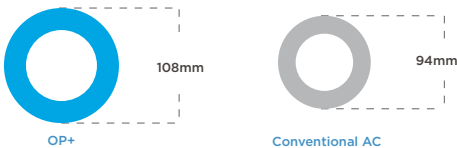


Strong Airflow

Air outlet design is 110mm wide, 25% bigger than Midea conventional AC.

Long Windblast

Take 12000 BTU/h OP+ as an example, indoor fan is $\phi 108\text{mm}$ wide, much bigger than Midea conventional AC as $\phi 82\text{-}94\text{mm}$.



Comfort Humidity

By utilizing intelligent sensor technology to detect the humidity level in the room, you can choose either powerful dehumidification mode or thermo-hygrometer control mode through smart phone, to find your most comfortable humidity level, ranging from 30%-90%.

Product Specification

OP+



Indoor			MSOPBU-09HRFN8-QRE1GW	MSOPBU-12HRFN8-QRE1GW	MSOPBU-17HRFN8-QRD6GW
Outdoor			MOX330-09HFN8-QRE1GW	MOX330-12HFN8-QRE1GW	MOX430-17HFN8-QRD6GW
Power supply		V-Ph-Hz	220_240V_1Ph, FREQUENCY_50HZ	220_240V_1Ph, FREQUENCY_50HZ	220_240V_1Ph, FREQUENCY_50HZ
Cooling (Standard conditions)	Capacity	Btu/h	9000 (3408-14189)	12000 (3519-16432)	17000 (6600-18700)
	EER	W/W	4.90	4.70	3.95
Heating (Standard conditions)	Capacity	Btu/h	13000 (2569-24566)	13000 (2569-24566)	19000 (4400-24700)
	COP	W/W	4.94	4.94	4.12
Seasonal Cooling	Pdesignc	kW	2.7	3.5	5.0
	Energy Efficiency Class		A+++	A+++	A+++
Heating (Average)	Pdesignh	kW	2.9	2.9	4.2
	Energy Efficiency Class		A+++	A+++	A++
Heating (Warmer)	Pdesignh	kW	3.0	3.0	4.6
	SCOP	W/W	6.5	6.5	5.1
	Energy Efficiency Class		A+++	A+++	A+++
Indoor air flow (Hi/Mi/Lo)		m³/h	548/489/383	548/489/383	710/500/400
Indoor sound power level		dB (A)	59	59	59
Indoor unit	Dimension (W*D*H)	mm	895x248x298	895x248x298	895x248x298
	Packing (W*D*H)	mm	985x370x350	985x370x350	985x370x350
	Net/Gross weight	kg	12.6/17.3	12.6/17.3	12.5/17.3
Outdoor air flow		m³/h	2350	2350	3000
Outdoor sound pressure level		dB (A)	56	56	59
Outdoor sound power level		dB (A)	61	61	65
Outdoor unit	Dimension (W*D*H)	mm	805x330x554	805x330x554	890x342x673
	Packing (W*D*H)	mm	915x370x615	915x370x615	995x398x740
	Net/Gross weight	kg	35.2/37.7	35.2/37.7	43.5/46.7
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)
	Max. refrigerant pipe length	m	25	25	30
	Max. difference in level	m	10	10	20
Room temperature	Indoor (cooling/ heating)	°C	16 ~ 32/0 ~ 30	16 ~ 32/0 ~ 30	16 ~ 32/0 ~ 30
	Outdoor (cooling/heating)	°C	-15 ~ 50/-35 ~ 30	-15 ~ 50/-35 ~ 30	-15 ~ 50/-35 ~ 30
Application area (Cooling Standard)		m²	12 ~ 18	16 ~ 23	23 ~ 33
Qty'per 20' /40' /40'HQ			82/170/198	82/170/198	66/140/162