

# Midea

## مكيفات مايديا



# Air Lux

## TropicPRO Unbeatable Coolness, Built to Last.

### Features



TropicPRO



ECOMASTER



Smart Control



Coolflash



Prime Guard



180° Spinning  
Wind Deflector



Healthy Air  
Management



Easy to Install



Easy to Maintain



Easy to Clean

### Appearance



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Extreme Performance To Beat The Heat

# Only Midea Survive the Heat Triple Test

Non-stop cooling at **70°C**<sup>1</sup>

100% cooling capacity output at **56°C**<sup>2</sup>

Cool an entire room by **10°C**<sup>3</sup> (in 10 mins)



1. Verified by Intertek (Certificate No.: CB02-TICK-C02-EE-0000114), models MSTGP1IC-18CRFN8-NC7 / MSTGP1ID-22CRFN8-NC6W. The initial indoor temp. 32°C, outdoor temp. 70°C.  
2. Verified by Intertek (Certificate No.: CB02-TICK-C02-EE-0000114), models MSTGP1IC-18CRFN8-NC7 / MSTGP1ID-22CRFN8-NC6W. The indoor temp. 32°C, outdoor temp. 56°C.  
3. Verified by Intertek (Certificate No.: CB02-TICK-C02-EE-0000114), models MSTGP1IC-18CRFN8-NC7 / MSTGP1ID-22CRFN8-NC6W. The initial indoor temp. 35°C, outdoor temp. 46°C; indoor temp. dropped to 25°C within 10 minutes.

## Great Stability: Upgraded E-box

### Ice Circuit Refrigerant Cooling Technology



Midea's unique Ice Circuit refrigerant cooling technology can rapidly cool the PCB within 1 second, ensuring stable and powerful operation of the AC even during extreme high outdoor temperatures.

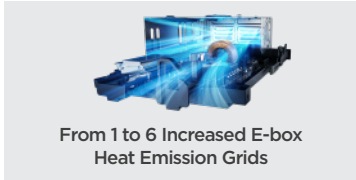
**Aerospace-Grade Superconductive Heatsinks**

**1s Cool Down PCB**  
to protect the outdoor unit's PCB

**5X Heat Transfer Efficiency**  
than conventional fan cooling tech\*

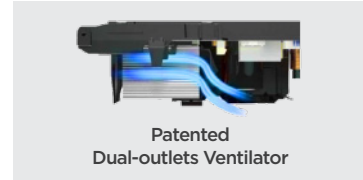
\*Ice Circuit heat transfer coefficient 493.54 W/m<sup>2</sup>K vs Fan cooling tech 99.31 W/m<sup>2</sup>K.

### Air Grid Enlargement



From 1 to 6 Increased E-box Heat Emission Grids

### Air cooling system



Patented Dual-outlets Ventilator

## Great Strength: Inverter Compressor



### Industry-first 5.0MPa T3 Compressor

- Stable operation at 70°C
- 5.0MPa non-stop 500hrs

Industry Standard Pressure **4.6** Midea **5.0**

### Diamond-like Carbon Coating

- 8% Tougher Surface
- Smoother Movement

### 8 Poles 12 Slots Inverter Motor

- More copper, faster cooling
- Bigger rotor, steady torque

### Optimized Refrigerant Flow

- Reduce internal strain by 10%
- Boost thermal transfer

### Twin-rotary Compressor

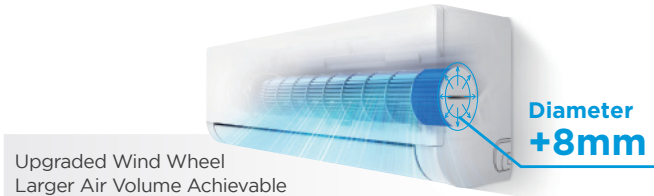
- Stable rotation, Less vibration, more reliability

\*All of the above functions are optional items. Please consult the technical support for product adaptation according to the actual situation in your region.

## Turbojet Engine System

The Midea Turbojet Engine System has revolutionized the core structure of the split air conditioner. It provides not only faster cooling but also a more agreeable and comfortable experience for users, all while maintaining excellent energy efficiency.

### Rotating Deflector Stronger, Further, Faster Cooling



Upgraded Wind Wheel  
Larger Air Volume Achievable

Diameter **+8mm**

\*Data compared between KSA-KT3FR65G/NIY-AG1IDT(C7) and ME-KT3FR105LW/NIY-FNT(B9)-[N]

Air Volume **1600m<sup>3</sup>/h\***

Airflow Distance Up to **17.4M\***



\*Data sourced from Midea Lab based on maximum distance & air volume achieved in Turbo mode.

## One Click, COOLFLASH

COOLFLASH breaks through the limits of algorithmic control and runs at overclocking speeds to achieve instant cooling. With just one press of the COOLFLASH button, the room can be quickly cooled down to desired temperature, allowing you to immerse yourself in an evenly cool room.



**10°C in 10min\***  
from 35°C to 25°C

\*Verified by Intertek (Certificate No.: CB02-TICK-C02-EE-0000114), models MSTGP1IC-18CRFN8-NC7 / MSTGP1ID-22CRFN8-NC6W. The initial indoor temp. 35°C, outdoor temp. 46°C; indoor temp. dropped to 25°C within 10 minutes.

# AI ECOMASTER

## Master AI Saving, Better Comfort Cooling

Real AI master control based on giga-scale big data, Balancing energy-saving and comfort needs.



\*The ECOMASTER feature is available only for the 12K/18K/24K models.

### Bigger Than Ever, Master Giga Data

Powered by the industry's largest operational data, ECOMASTER can deliver much faster and more accurate comfort energy saving, far ahead of conventional inverter technologies.

**Master World's Largest Inverter AC Production**

**41Millions Units**




**Master Industry Largest AC Operational Data**

**100Billions Data**

Indoor Temperature

Environment Data  
Outdoor Weather Condition

Heat Source

Room Size

**Master Energy Innovation Globally with**

**805Patents**



### Smarter Than Smart, Master Precise Control

By pre-training the multi-dimensional environmental factors, ECOMASTER can predict the best AC operation way based on user historical preferences and dynamic room conditions.

**AI ECOMASTER**

**Faster and Precise Control Achieving Energy Saving and Comfort**

- Multi-dimensional Data Sources Real-time indoor and ambient condition data, AC operational data, weather forecast data
- Predict data every 30s and response to the environment temperature precisely.

VS

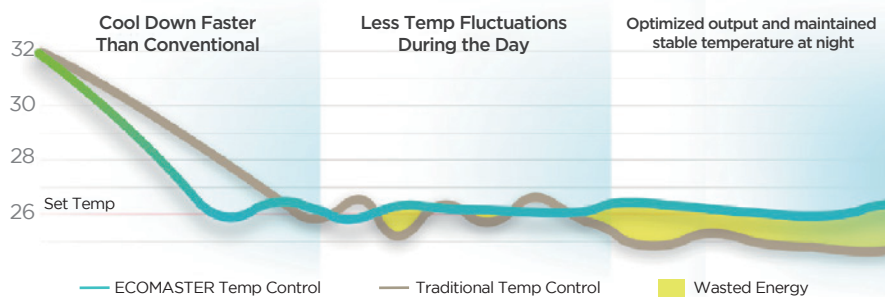
**Other ECO**

**Imprecise Control, High Temperature Fluctuation, Energy Wastes**

- Single data source of only indoor temperature
- Simple control logic from limited preset settings without reacting to changes in the condition of the room.



### Master In Inverter, Master In Comfort Saving



**±0.3°C**  
Precise Temp Control

**30%**  
Extra Energy Saving



### Visible Saving Under Your Thumb



Energy Monitor



Energy Report



Time Forecasting



Energy Reminder

### Smart Wireless Control Wherever You Are

Simply download the SmartHome app to control your air conditioner at anytime and from anywhere for ultimate convenience and peace of mind.



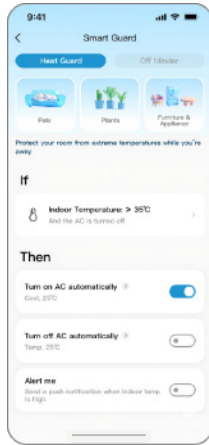
# Smart Control



## Heat Guard

Concerned about appliance and furniture damage from extreme heat while you're away?

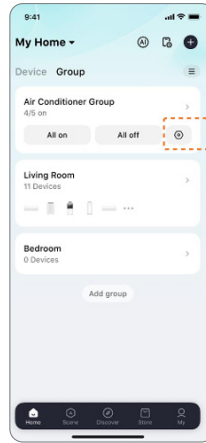
Midea's 'Heat Guard' feature automatically activates your AC when room temperatures rise too high. Simply set your desired trigger temperature in the app for complete peace of mind.



## Group Control

When you need to synchronize multiple ACs in the account to the same settings. You can use 'Group Control' to turn multiple ACs on or off with a single click.

Additionally, switching modes or performing other basic controls is also supported with just one click.



## Location Based Services (LBS)

This smart AC automatically turns on or off based on your location detection, activating before you arrive or deactivating when you leave. The detection range is adjustable from 100m to 15km, with an option to disable location tracking for manual operation.



# Prime Guard

Prime technologies in reliability and durability Guard comfort cool.



## TU1 Corrosion-Resistance Copper Tube

**70%** less impurities than ordinary tubes.

Compared with the ordinary tubes, TU1 reduces the impurity content, and its corrosion resistance and thermal conductivity are improved.

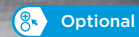
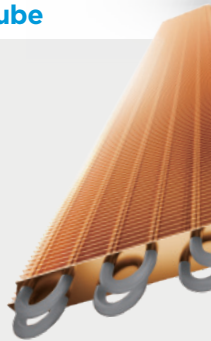
**TP2**

More Impurities & Less Consistency

**VS**

**TU1**

Fewer Impurities & Better Consistency



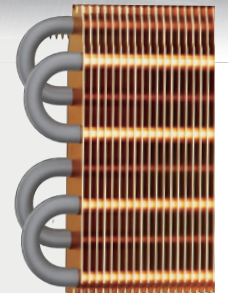
## Silver Shield Anti-corrosive Coating

Both sides of the evaporator are coated with "environmentally friendly polymer coating & technological baking method" to prevent the copper pipe from being polluted and corroded by air pollutants, making it more secure and durable.

**<0.1%** vs **>50%**  
Anti-corrosive Pipe vs Ordinary Pipe

Verified by **Intertek**

\*5 Depended on the using industrial environment with salt contamination (Ref. ISO 21207: 2015, Annex A, test method B)



## Wide Voltage Operation

Thanks to Ultra Electronic Control System, Midea's Inverter can work stably in 80V-265V<sup>6</sup>. 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	265V
MIDEA 150V	150V	265V



<sup>6</sup>The voltage operation range of all Middle East Inverter models is 150V-265V.

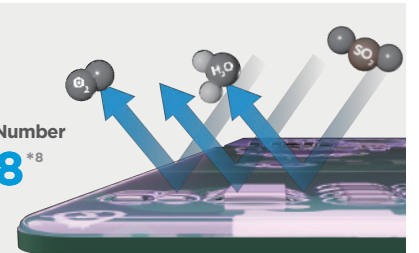
## Reliable PCB with UV Conformal Coating

Curing using UV light, Greener and with 2x Thicker and Higher Density Protection

**<0.02%** Corrosion Area vs **9.8** Rating Number

Verified by **Intertek**

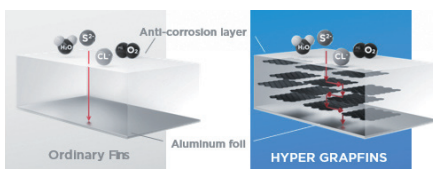
\*7 Depended on the using industrial environment with salt contamination (Ref. ISO 21207: 2015, Annex A, test method B, JIS Z 2371:2015 Annex JC)  
\*8 The full rating number is 10.



# 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.



Verified by **Intertek**



## AUTO DEDUSTING

When the AC is turned off, the fan blade of the outdoor unit will automatically rotate in reverse to get rid of the accumulated sand and dust, ensuring the AC is clean and operates well in any environment.

<sup>9</sup>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.

# Healthy Air Management

## I - Clean Reclean the AC, Refresh your breath.

Midea Inverter AC has been upgraded from water washing (20 mins) to frost cleaning (42 mins\*10), which can remove more dust and bacteria, keeping the AC clean and performing well.

<p><b>Condensed Water</b> 10min</p> 	<p><b>Frosting</b> 10min</p> 	<p><b>Washing</b> 20min</p> 	<p><b>Drying</b> 2min</p> 	<p><b>Total</b> 42mins</p> 
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Cooling mode & Mid-speed wind

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

Defrost into water to remove dust and dirt.

Dry the evaporator to prevent mold growth.

\*10 Total cleaning time and frosting temperature will vary depending on operating environment; maximum cleaning time is 42 minutes.

**99%**  
virus elimination



**ION GENERATOR**



**Optional**

### Air magic 365 Days to a Clean, Fresh, Healthy Air

Under the effect of electric field generated by ion generator, millions of positive and negative Ions are formed to eradicate bacteria and viruses with higher sterilization rate. Moreover, running the "Air Magic" feature in fan mode 24 hours a day consumes less than 1 kWh.

\*11 Tested by Guangdong Detection Center of Microbiology. Test time: 2h, Virus: H1N1.



## 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.



**1**

**Screw**  
Just Loosen



**2**

**Sliders**



**3**

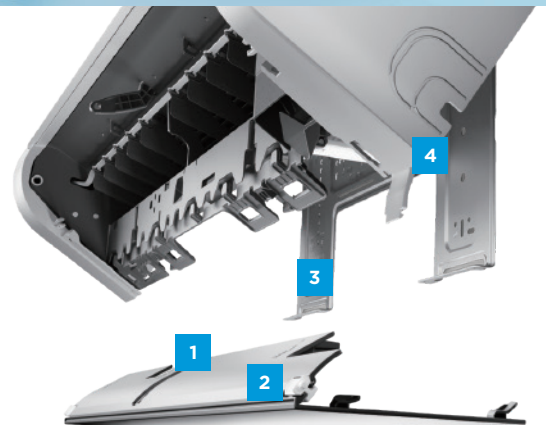
**Enlarged Working Space**



**4**

**Built-in Support Holder and Groove**

**More Convenient and Stable**

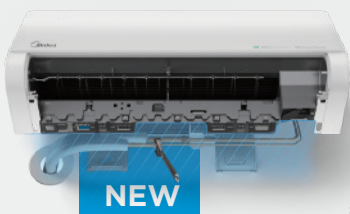


## Easier, Quicker & More Installer-friendly Solution

### IN Embedded Pipe

#### Enlarged Working Space & Improved Visibility

Loosen 1 screw to dismantle the pull-down frame for higher working efficiency



**NEW**

**Previous AC**



**Insufficient Working Space**  
resulting in having to loosen 5 screws and dismantle the entire frame

### IN 5cm Ceiling

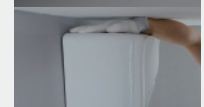
Even when installed just 5cm from the ceiling, intake airflow stays strong, adapting to different installation needs.



**NEW**

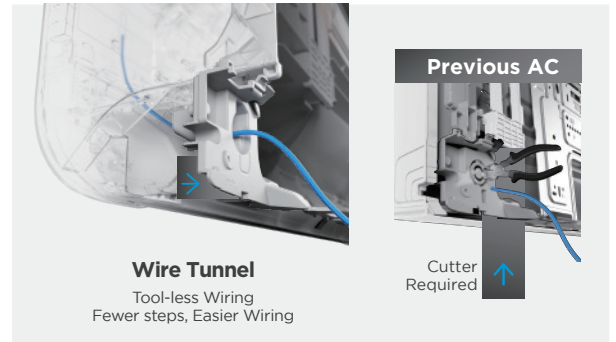
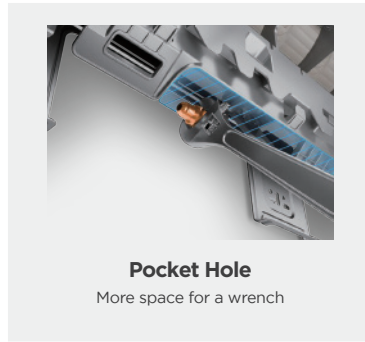
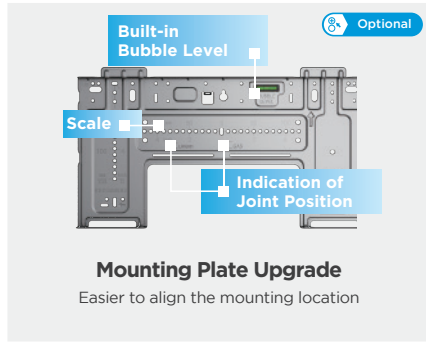
\* Please remove the support holder before installation in the case of a 5cm ceiling.

**Previous AC**



**Limited ceiling space**  
Flush-to-ceiling installation restricted intake airflow, affecting cooling performance.

## Installer-friendly Design



## Easy To Maintain

### Quick and Easy to Pull-out PCB

The Easier Solution for PCB Replacement

**5 steps**

Maintenance efficiency increased by **32%** (74S)

- 1** (3S) Open the Front Panel
- 2** (5S) Remove ONE screw from the Electronic Control Box
- 3** (3S) Take Away the Electronic Control Box Cover
- 4** (60S) Remove Wire Terminals
- 5** (3S) Pull Out the PCB

**Ordinary AC**

**8 steps** (109S)

- 1** (3S) Open the Front Panel
- 2** (15S) Remove Screws from the Frame
- 3** (15S) Unlock 3 Buckles/Slider Locks
- 4** (15S) Remove the Front Frame
- 5** (5S) Remove Screws from the Electronic Control Box
- 6** (3S) Take Away the Electronic Control Box Cover
- 7** (60S) Remove Wire Terminals
- 8** (3S) Pull Out the PCB

### Pull-out Fan Motor

The Easier Solution for Fan Motor Replacement

**4 steps**

Maintenance efficiency increased by **72%** (3min 20s)

- 1** (1min) Remove the Front Frame
- 2** (1min) Remove the Electronic Control Box
- 3** (1min) Take Away the Motor Bracket
- 4** (20S) Pull Out the Fan Motor

**Previous AC**

**7 steps** (12min)

- 1** (3S) Turn On the AC
- 2** (2min) Recycle Refrigerant
- 3** (5min) Remove the IDU from the Wall
- 4** (1min) Remove the Front Frame
- 5** (1min) Remove the Electronic Control Box
- 6** (2min) Remove the Evaporator
- 7** (1min) Pull Out the Fan Motor

# Product Specification

Model		SAPV18CDEZ2BKSA	SAPV18HDEZ2BKSA	SAPV24CDEZ2BKSA	SAPV24HDEZ2BKSA	
Power Supply	V,Hz,Ph	230V-60Hz,1Ph	230V-60Hz,1Ph	230V-60Hz,1Ph	230V-60Hz,1Ph	
SEER		15.70	16.50	16.00	15.60	
Energy Class		B	B	B	B	
Cooling (T1)	Capacity	Btu/h	18400(6800-23500)/5.4	19800(6900-23500)/5.79	23700(5700-29900)/6.96	24400(5700-30000)/7.15
	Input	W	1466(366-2285)	1553(426-2400)	1967(410-2930)	1936(415-2900)
	Rated Current	A	6.50	6.90	8.40	8.90
	EER	Btu/h/W	12.55	12.75	12.05	12.60
Cooling (T3)	Capacity	Btu/h	17200/5.04	19100/5.61	21800/6.39	23700/6.96
	Input	W	1890	2043	2332	2619
	Rated Current	A	8.4	9.06	10.35	12.0
	EER	Btu/h/W	9.10	9.35	9.35	9.05
Heating	Capacity	W	/	5000	/	6500
	Input	W	/	1370	/	1910
	Rated Current	A	/	6.10	/	8.7
	COP	W/W	/	3.65	/	3.40
Max. Input Consumption	W	3100	3100	3600	3900	
Max. Current	A	14.5	14.5	16.5	18.0	
Indoor air flow (turbo-high-mid-low)	m <sup>3</sup> /h	1160/880/680/580	1600/1240/1010/910	1600/1015/730/600	1600/1050/750/600	
Indoor noise level (turbo-high-mid-low-silent)	dB(A)	51/43.5/39/36.5/31.5	52.5/47/40.5/37.5/31	52.5/45.5/43/41.5/38	54.3/47/41.5/40/38.5	
Indoor unit	Dimension (W*D*H)	mm	975x218x308	1055x231x330	1055x231x330	1055x231x330
	Packing (W*D*H)	mm	1035x295x385	1130x405x310	1130x405x310	1130x405x310
	Net/Gross weight	Kg	11/14	13.1/16.7	13.1/16.5	13/16.6
Outdoor noise level	dB(A)	60	61	59.5	60	
Outdoor unit	Dimension (W*D*H)	mm	805x330x554	805x330x554	890x342x673	890x342x673
	Packing (W*D*H)	mm	915x370x615	915x370x615	995x398x740	995x398x740
	Net/Gross weight	Kg	28.7/31.1	29.8/31.8	37.5/40.5	40/43
Refrigerant type	Kg	R32/0.67	R32/0.85	R32/0.86	R32/1.11	
Design pressure	MPa	4.8/1.7	4.8/1.7	4.8/1.7	4.8/1.7	
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/ 12.7mm(1/2in)	6.35mm(1/4in)/ 12.7mm(1/2in)	9.52mm(3/8in)/ 15.9mm(5/8in)	9.52mm(3/8in)/ 15.9mm(5/8in)
	Max. total pipe length	m	30	30	30	30
	Max. Elevation	m	20	20	20	20
Connection wire spec		1.5x4//	1.5x4//	1.5x4//	1.5x4//	
Thermostat Type		Remote Control	Remote Control	Remote Control	Remote Control	
Operation Temperature	°C	16-30	16-30	16-30	16-30	



Rooted in Saudi Arabia, **Shaker Group** forms a robust network, opening doors for regional ventures, hosting global brands and fostering lasting bonds- Our commitment to our partners' needs drives our journey, which evolved from Jeddah beginnings to a major distribution network. Hussein and AL-Hassan Ghazi Shaker Bros. For Modern Trading Co. LTD is the latest company to carry our legacy the way others have since the group's founding in 1950 Utilizing AC expertise, we've redefined home appliances and AC solutions for the Saudi market. Our dedicated teams ensure an exceptional customer experience, embodying our ethos in every interaction

**Midea Group** is a world leading technology group offering diversified products, forming 7 business segments mix with the combination of both our To C and To B businesses, including Smart Home, Industrial Technology, Building Technology, KUKA, New Energy, Midea Healthcare and ANNTO Logistics. Midea is committed to improving lives by adhering to the principle of "Creating Value for Customers". Midea focuses on continuous technological innovation to improve products and services, and to make life more comfortable and pleasant.

Founded in 1968 in Guangdong, China, after 58 years, Midea has successfully transformed into a world's leading technology group with multi-category, multiple business, and vertical integration around core technology.

The company's total revenue was USD 64.3 billion in 2025, YOY increase of 14.8%, Net profit attributable to shareholders of the company was USD 6.2 billion, YOY increase of 16.98%, all of which set new historical records for the company.

Midea Residential Air Conditioner Division (Midea RAC) is a business unit under Midea Group, integrating R&D, manufacture, sales, design, installation, and after-sales service, one of the world's leading HVAC manufacturer and professional air management solution provider.