



Midea

OFFICIAL PARTNER



Midea

مكيفات هايديا



# Air Max

## TropicPRO Max Power, Max Pure Air.

### Feature



TropicPRO



180° Spinning  
Wind Deflector



Coolflash



Healthy Air  
Management



Smart Control



Easy to Install



Easy to Maintain



Easy to Clean

### Appearance



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HSHAKERCO الرقم الموحد 8002440247

# TropicPRO

Extreme Performance To Beat The Heat

## Only Midea Survive the Heat Triple Test

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

**56°C**  
100% Cooling Capacity<sup>2</sup>

**10°C**  
Cooler in 10 Min<sup>3</sup>

Verified by **Intertek**  
Test Quality Assured

1. Verified by Intertek (Certificate No.: CB02-TICK-C02-EE-0000114), models MSTGP11C-18CRFN8-NC7 / MSTGP11D-22CRFN8-NC6W. The initial indoor temp. 32°C, outdoor temp. 70°C.  
2. Verified by Intertek (Certificate No.: CB02-TICK-C02-EE-0000114), models MSTGP11C-18CRFN8-NC7 / MSTGP11D-22CRFN8-NC6W. The indoor temp. 32°C, outdoor temp. 56°C.  
3. Verified by Intertek (Certificate No.: CB02-TICK-C02-EE-0000114), models MSTGP11C-18CRFN8-NC7 / MSTGP11D-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.

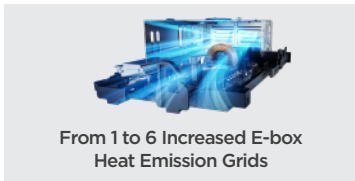
**Aerospace-Grade Superconductive Heatsinks**

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

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

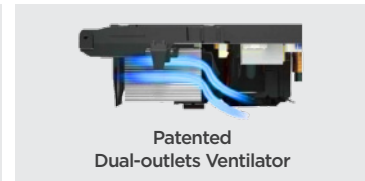
\*Ice Circuit heat transfer coefficient 493.54 W/m<sup>2</sup>K vs Fan cooling tech 99.31 W/m<sup>2</sup>K.

### Air Grid Enlargement



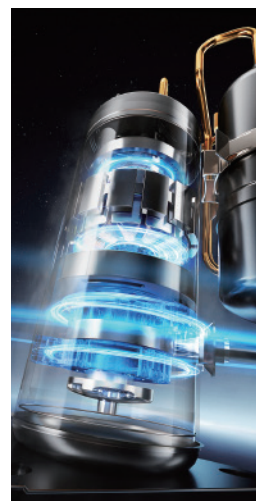
From 1 to 6 Increased E-box Heat Emission Grids

### 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

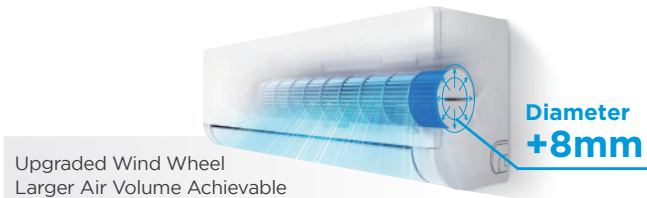
- Stable rotation, Less vibration, more reliability

\*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

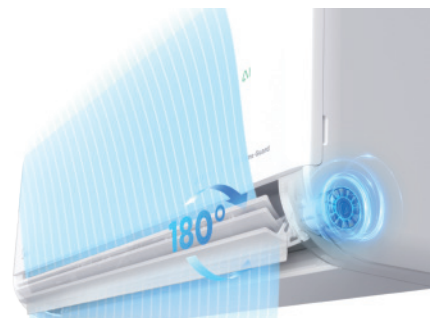


Upgraded Wind Wheel  
Larger Air Volume Achievable

Diameter  
**+8mm**

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

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



\*Data compared between KSA-KT3FR65G/NIY-AG11DT(C7) and ME-KT3FR105LW/NIY-FNT(B9)-[N]

\*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 MSTGP11C-18CRFN8-NC7 / MSTGP11D-22CRFN8-NC6W. The initial indoor temp. 35°C, outdoor temp. 46°C; indoor temp. dropped to 25°C within 10 minutes.

# Prime Guard

Prime technologies in reliability and durability Guard comfort cool.



## Optional

### 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.

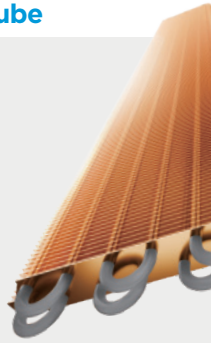
**TP2**

More Impurities & Less Consistency

**VS**

**TU1**

Fewer Impurities & Better Consistency



## Optional

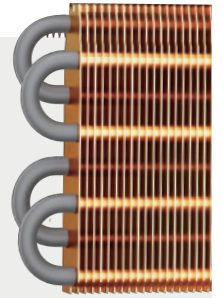
### Silver Shield Anti-corrosive Coating

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 Coated Pipe vs Ordinary Pipe

Verified by **intertek** Test Quality Assured

\*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\*. 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 265V**



\*6 The voltage operation range of all Middle East Inverter models is 150V-265V.

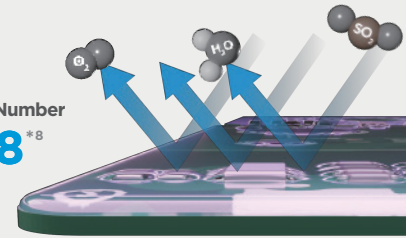
### Reliable PCB with UV Conformal Coating

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

Corrosion Area **<0.02%\*** | Rating Number **9.8\***

Verified by **intertek** Test Quality Assured

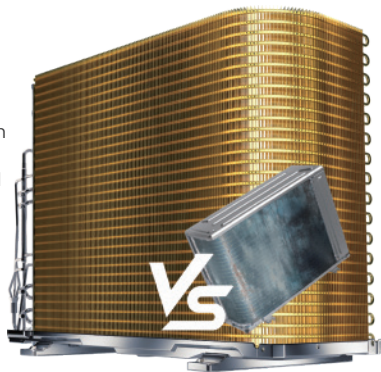
\*7 Depended on the using industrial environment with salt contamination (Ref. ISO 21207: 2015, Annex A, test method B, JIS Z 2371:2015 Annex JC)  
\*8 The full rating number is 10.



## GOLDEN COATING FIN

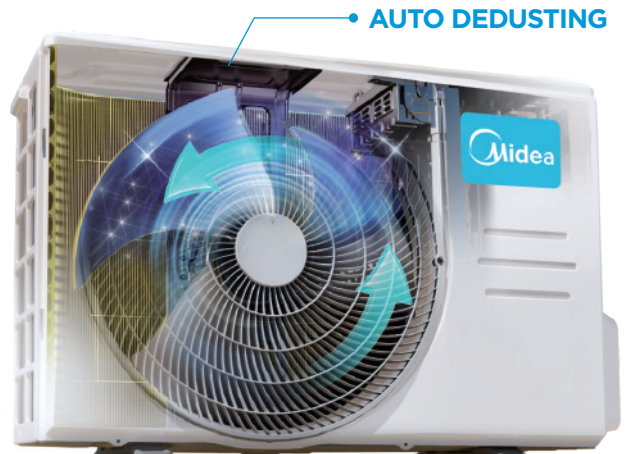
**2.5X** Corrosion Resistance than Blue Coated Fins

Midea's golden coating fin is more resistant in oxidation & corrosion than ordinary blue coated fin for a outdoor condenser to furnish a steadier and long-lasting working environment. It can also effectively prevent bacteria from breeding and spreading so as to extend the AC's lifespan.



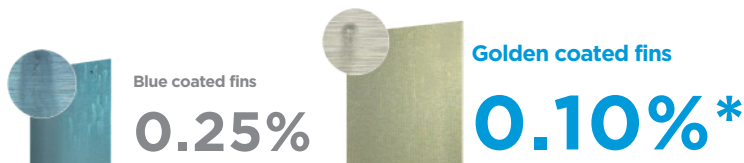
## AUTO DEDUSTING

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.



### COMPARATIVE RESULT OF CORROSION AREA

240h UVB light & 72h neutral salt spray test



\* The result Ref. JIS Z 2371: 2015, Annex 1

\* Compared samples are Midea fins: Midea gold coated fins in HD5330/HW6550. Midea blue coated fins in HD2202-2/HW3308.



## 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.



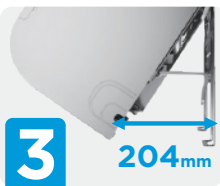
**1**

**Screw**  
Just Loosen



**2**

**Sliders**



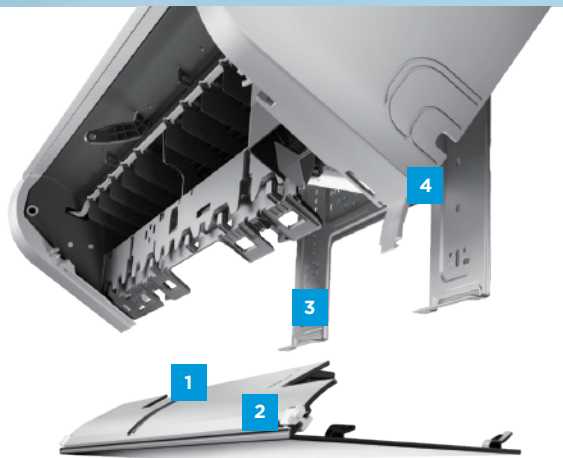
**3**

**204mm**  
**Enlarged Working Space**



**4**

**Built-in Support Holder and Groove**  
**More Convenient and Stable**

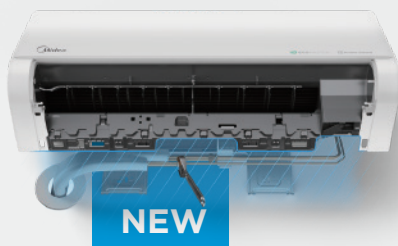


## Easier, Quicker & More Installer-friendly Solution

### IN Embedded Pipe

#### Enlarged Working Space & Improved Visibility

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



**NEW**

### Previous AC



**Limited ceiling space**  
makes it difficult for AC to recover the frame.

### IN 5cm Ceiling

A better solution without disassembling the entire frame



**NEW**

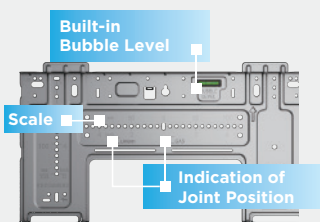
\* Please remove the support holder before installation in the case of a 5cm ceiling.

### Previous AC



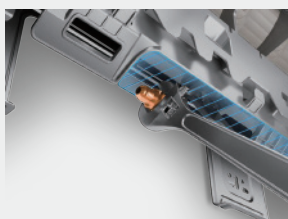
**Insufficient Working Space**  
resulting in having to loosen 5 screws and dismantle the entire frame

## Installer-friendly Design



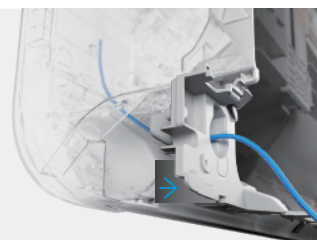
### Mounting Plate Upgrade

Easier to align the mounting location



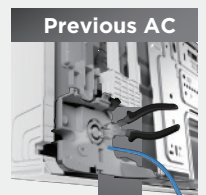
### Pocket Hole

More space for a wrench



### Wire Tunnel

Tool-less Wiring  
Fewer steps, Easier Wiring



### Previous AC

Cutter Required

## Easy To Maintain


### Quick and Easy to Pull-out PCB


The Easier Solution for PCB Replacement



**5 steps**


Maintenance efficiency increased by **74%**

**32%**




Ordinary AC **8 steps** 




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**3** 


Take Away the Electronic Control Box Cover

**4** 


Remove Wire Terminals

**5** 


Pull Out the PCB

**5** 


Remove Screws from the Electronic Control Box

**6** 

Take Away the Electronic Control Box Cover

**7** 

Remove Wire Terminals

**8** 

Pull Out the PCB

### Pull-out Fan Motor

The Easier Solution for Fan Motor Replacement

**4 steps**


Maintenance efficiency increased by **72%**






**1** 

Remove the Front Frame



**2** 


Remove the Electronic Control Box



**3** 

Take Away the Motor Bracket



**4** 

Pull Out the Fan Motor

Previous AC **7 steps** 



**1** 

Turn On the AC



**2** 

Recycle Refrigerant



**3** 

Remove the IDU from the Wall



**4** 

Remove the Front Frame



**5** 

Remove the Electronic Control Box



**6** 

Remove the Evaporator



**7** 

Pull Out the Fan Motor

## Easy To Clean

The more accessible the wind wheel is, the deeper the cleaning.

Previous AC



116.7mm\*



146.32mm\*

**Detachable Vertical Louvers**

\*For models with automatic vertical swing function, the vertical louvers are connected to the left motor.

The height of the air outlet increased by

**24.52%\***

\*Data compared between SAPV24HDEZIKSA and MSTMXV24HRN2AG1

| Model  |                              |           | SAPV18CDEZ1KSA              | SAPV18HDEZ1KSA              | SAPV24CDEZ1KSA              | SAPV24HDEZ1KSA              |
|--|------------------------------|-----------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Power supply                                   |                              | V,Hz,Ph   | 230V-60Hz,1Ph               | 230V-60Hz,1Ph               | 230V-60Hz,1Ph               | 230V-60Hz,1Ph               |
| SEER   |                              |           | 15.65                       | 16.35                       | 15.95                       | 15.50                       |
| Energy class                                   |                              |           | B                           | B                           | B                           | B                           |
| Cooling(T1)                                    | Capacity                     | Btu/h     | 18200(6800-23500)           | 19100(6900-23500)           | 23200(5700-29900)           | 24000(5700-30000)           |
|  | Input                        | W         | 1461(366-2285)              | 1552(426-2400)              | 1966(410-2930)              | 1936(415-2900)              |
|  | Rated current                | A         | 6.5                         | 6.9                         | 8.4                         | 8.9                         |
|  | EER                          | (Btu/h)/W | 12.45                       | 12.3                        | 11.8                        | 12.4                        |
| Cooling(T3)                                    | Capacity                     | Btu/h     | 16900                       | 18500                       | 21400                       | 23200                       |
|  | Input                        | W         | 1888                        | 2033                        | 2326                        | 2607                        |
|  | Rated current                | A         | 8.4                         | 9                           | 10.3                        | 11.9                        |
|  | EER                          | (Btu/h)/W | 8.95                        | 9.1                         | 9.2                         | 8.9                         |
| Heating  | Capacity                     | W         | /                           | 5000                        | /                           | 6500                        |
|  | Input                        | W         | /                           | 1370                        | /                           | 1910                        |
|  | Rated current                | A         | /                           | 6.1                         | /                           | 8.7                         |
|  | COP                          | W/W       | /                           | 3.65                        | /                           | 3.4                         |
| Max. input consumption                         |                              | W         | 3100                        | 3100                        | 3600                        | 3900                        |
| Max. current                                   |                              | A         | 14.5                        | 14.5                        | 16.5                        | 18                          |
| Indoor air flow (turbo-high-mid-low)           |                              | m³/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        | 2025/11/14                  | 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. refrigerant pipe length | m         | 30                          | 30                          | 30                          | 30                          |
|  | Max. difference in level     | m         | 20                          | 20                          | 20                          | 20                          |
| Connection wiring                              |                              |           | 1.5x4//                     | 1.5x4//                     | 1.5x4//                     | 1.5x4//                     |
| Plug type                                      |                              |           | 1.5x3/no-plug               | 1.5x3/no-plug               | 2.5x3/no-plug               | //no-plug                   |
| 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, comprising of five main business areas: Smart Home Business, industrial Technologies, Building Technologies, Robotics & Automation, and innovation Business. 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 57 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 56 billion in 2024, YOY increase of 9.5%, Net profit attributable to shareholders of the company was USD 5.3 billion, YOY increase of 14.3%, and Cash flow from operating activities reached USD 8.3 billion, YOY increase of 4.5%, 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.