Midea

مكيّفات ميديا

Air Eco

TropicPRO Coolness, AI Energy Savings

Features

- TropicPRO
- ECOMASTER
- 180° Spinning Wind Deflector
- Coolflash
- I-Clean
- Healthy Air Management
- Smart Control
- Easy to Maintain

Appearance

HUSSEIN & AL-HASSAN G SHAKER BROS.

H&H SHAKER HH-SHAKER.COM.SA

SHAKER

شركة الأخوان حسين و الحسن غازي شاكر

HHSHAKERCO الرقم الموحد 8002440247

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

41 Millions Units

Master Industry Largest AC Operational Data

100 Billions Data

Master Energy Innovation Globally with

805 Patents

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

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

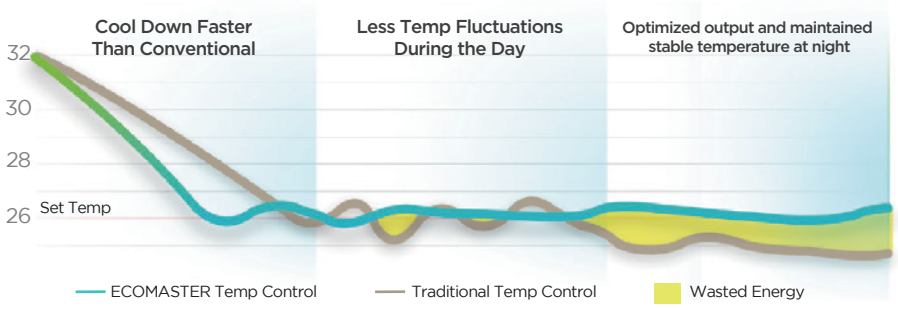
VS

Other ECO

Imprecise Control, High Temperature Fluctuation, Energy Wastes

1. Single data source of only indoor temperature
2. 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

Verified by SGS

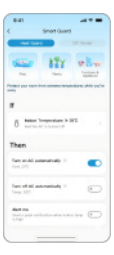
Visible Saving Under Your Thumb

Smart Control

SmartHome
Smart Compatible

Heat Guard

Automatically turns on your AC when room temperature gets too high, protecting your appliances and furniture while you're away.



Group Control

Synchronize multiple air conditioners with one click-turn them on/off, switch modes, or adjust settings together.

Location Based Services (LBS)

Your AC automatically turns on before you arrive and off after you leave, with a customizable detection range from 100m to 15km.

T3 TropicPRO

Extreme Performance To Beat The Heat

Only Midea Survive the Heat Triple Test

Non-stop cooling at **70°C**[1]

100% cooling capacity output at **56°C**[2]

Cool an entire room by **10°C**[3] (in 10 mins)

Verified by intertek Total 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 cools the PCB within 1 second, ensuring stable and powerful operation of the AC even during extreme high outdoor temperatures.

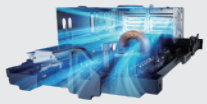
Aerospace-Grade Superconductive Heatsinks

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/m²K vs Fan cooling tech 99.31 W/m²K.

Air Grid Enlargement

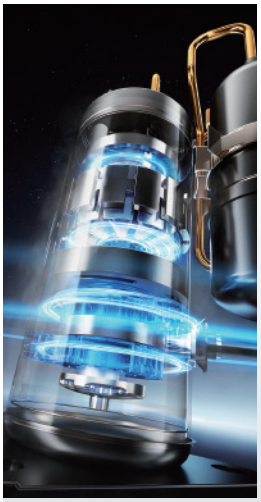


From 1 to 6 Increased E-box Heat Emission Grids

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

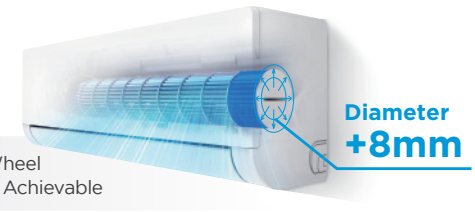
Twin-rotary Compressor
- Stable rotation, Less vibration, more reliability

*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



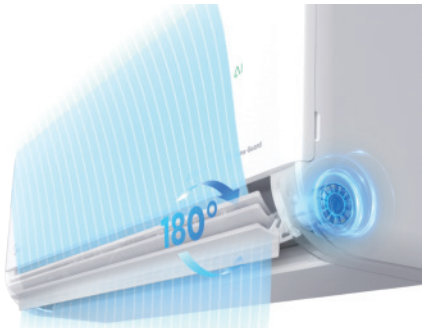
Diameter +8mm

Upgraded Wind Wheel
Larger Air Volume Achievable

*Data compared between KSA-KT3FR65G/N1Y-AG11DT(C7) and ME-KT3FR105LW/N1Y-FNT(B9)-[N]

Air Volume
1600m³/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.

*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

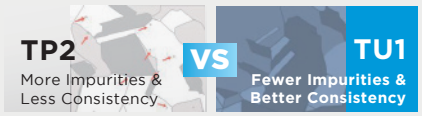
Prime technologies in reliability and durability Guard comfort cool.

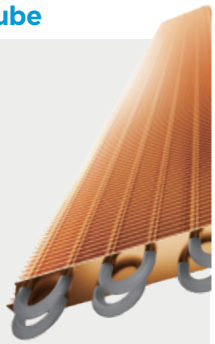
Optional

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.





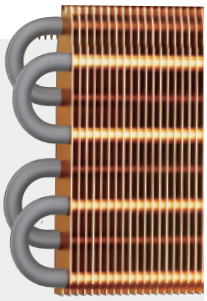
Optional

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%[*5] **VS** **>50%**

Anti-corrosive Coated Pipe | Ordinary Pipe

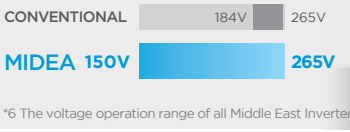


Verified by intertek

*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*6. 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.



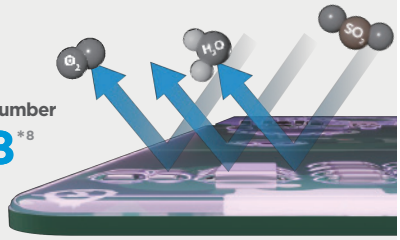
*6 The voltage operation range of all Middle East Inverter models is 150V-265V.

Reliable PCB with UV Conformal Coating

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

Corrosion Area **<0.02%**[*7]

Rating Number **9.8**[*8]



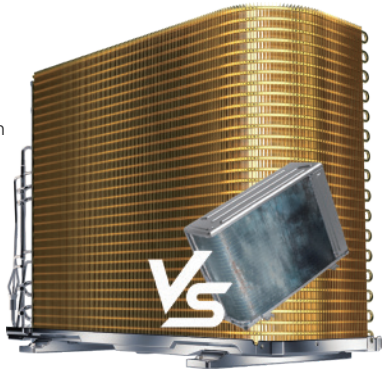
Verified by intertek

*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.

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.



COMPARATIVE RESULT OF CORROSION AREA

240h UVB light & 72h neutral salt spray test

Blue coated fins

0.25%

Golden coated fins

0.10%*

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.

* 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.

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.

Cooling mode & Mid-speed wind

The temperature cools rapidly (T≤-10°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% *11
virus elimination

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 Maintain

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

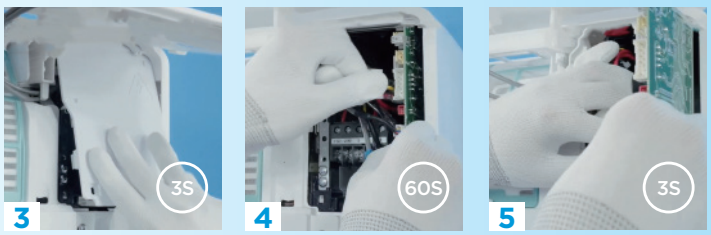
5 steps

Maintenance efficiency increased by **32%**

74S

1 Open the Front Panel

2 Remove ONE screw from the Electronic Control Box

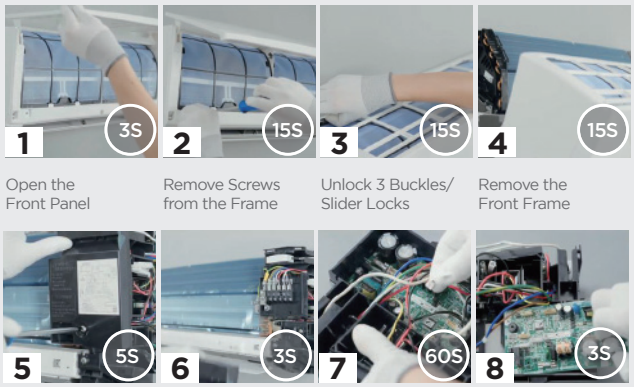


3 Take Away the Electronic Control Box Cover

4 Remove Wire Terminals

5 Pull Out the PCB

Ordinary AC **8 steps** 109S



1 Open the Front Panel

2 Remove Screws from the Frame

3 Unlock 3 Buckles/ Slider Locks

4 Remove the Front Frame

5 Remove Screws from the Electronic Control Box

6 Take Away the Electronic Control Box Cover

7 Remove Wire Terminals

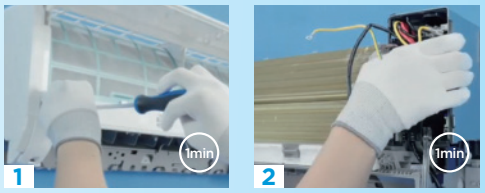
8 Pull Out the PCB

Pull-out Fan Motor The Easier Solution for Fan Motor Replacement

4 steps

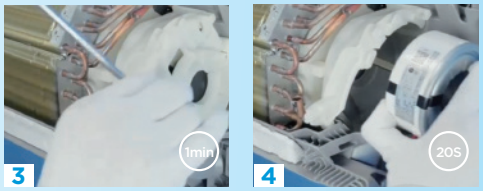
Maintenance efficiency increased by **72%**

3min 20s



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** 12min

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

Product Specification

Model			SAPV12CDEFKSA	SAPV12HDEFKSA	SAPV18CDEFKSA	SAPV18HDEFKSA
Power Supply		V,Hz,Ph	230V~60Hz,1Ph	230V~60Hz,1Ph	230V~60Hz,1Ph	230V~60Hz,1Ph
SEER			15.15	15.45	15.65	16.35
Energy Class			B	B	B	B
Cooling (T1)	Capacity	Btu/h	12800(5000-14800)/ 3.75	12300(4100-14800)/ 3.6	18200(6800-23500)/ 5.34 kW	19100(6900-23500)/ 5.61 kW
	Input	W	1049(380-1280)	988(296-1280)	1461(366-2285)	1552(426-2400)
	Rated Current	A	4.70	4.43	6.50	6.90
	EER	Btu/h/W	12.20	12.45	12.45	12.30
Cooling (T3)	Capacity	Btu/h	10900/3.18	10900/3.18	16900/4.95 kW	18500/5.43 kW
	Input	W	1220	1230	1888	2033
	Rated Current	A	5.5	5.5	8.40	9.00
	EER	Btu/h/W	8.90	8.85	8.95	9.10
Heating	Capacity	W	/	3900	/	5000
	Input	W	/	1147	/	1370
	Rated Current	A	/	5.14	/	6.1
	COP	W/W	/	3.40	/	3.65
Max. Input Consumption		W	2500	2500	3100	3100
Max. Current		A	13	13	14.5	14.5
Indoor air flow (Hi/Mi/Low)		m^3/h	860/628/451/363	860/628/451/363	1160/880/680/580	1600/1240/1010/910
Indoor noise level (Hi/Mi/Low)		dB(A)	47.5/38.5/34/32	47.5/39/33/31	51/43.5/39/36.5/31.5	52.5/47/40.5/37.5/31
Indoor unit	Dimension (W*D*H)	mm	813x201x289	813x201x289	975x218x308	1055x231x330
	Packing (W*D*H)	mm	870x270x365	870x270x365	11035x295x385	1130x405x310
	Net/Gross weight	Kg	8.3/10.6	8.3/10.6	11/14	13.1/16.7
Outdoor noise level		dB(A)	56	56	60	61
Outdoor unit	Dimension (W*D*H)	mm	765x303x555	765x303x555	805x330x554	805x330x554
	Packing (W*D*H)	mm	887x337x610	887x337x610	915x370x615	915x370x615
	Net/Gross weight	Kg	23.6/25.9	26/28.2	28.7/31.1	29.8/31.8
Refrigerant type		Kg	R32/0.57	R32/0.7	R32/0.67	R32/0.85
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)	6.35mm(1/4in)/ 12.7mm(1/2in)	6.35mm(1/4in)/ 12.7mm(1/2in)
	Max. total pipe length	m	25	25	30	30
	Max. Elevation	m	10	10	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

Product Specification

Model			SAPV24CDEFKSA	SAPV24HDEFKSA	SAPV30HDEFKSA
Power Supply		V,Hz,Ph	230V~60Hz,1Ph	230V~60Hz,1Ph	230V~60Hz,1Ph
SEER			15.95	15.50	15.15
Energy Class			B	B	B
Cooling (T1)	Capacity	Btu/h	23200(5700-29900)/6.81 kW	24000(5700-30000)/7.02 kW	29000(9600-32000)/8.50
	Input	W	1966(410-2930)	1936(415-2900)	2292(550-3400)
	Rated Current	A	8.40	8.9	10.16
	EER	Btu/h/W	11.80	12.40	12.65
Cooling (T3)	Capacity	Btu/h	21400/6.27 kW	23200/6.81 kW	25400/7.45
	Input	W	2326	2607	2731
	Rated Current	A	10.30	11.9	12.11
	EER	Btu/h/W	9.20	8.90	9.30
Heating	Capacity	W	/	6500	7600
	Input	W	/	1910	1990
	Rated Current	A	/	8.7	8.8
	COP	W/W	/	3.40	3.80
Max. Input Consumption		W	3600	3900	4920
Max. Current		A	16.5	18	22.5
Indoor air flow (Hi/Mi/Low)		m^3/h	1600/1015/730/600	1600/1015/730/600	1550/1315/1015/860
Indoor noise level (Hi/Mi/Low)		dB(A)	52.5/45.5/43/41.5/38	54.3/47/41.5/40/38.5	55/47.5/45.0/36
Indoor unit	Dimension (W*D*H)	mm	1055x231x330	1055x231x330	1259x283x362
	Packing (W*D*H)	mm	1130x405x310	1130x405x310	1340x450x385
	Net/Gross weight	Kg	13.1/16.5	13.1/16.6	19.14/25.04
Outdoor noise level		dB(A)	59.5	60	60.5
Outdoor unit	Dimension (W*D*H)	mm	890x342x673	890x342x673	946x410x810
	Packing (W*D*H)	mm	995x398x740	995x398x740	1090x500x885
	Net/Gross weight	Kg	37.5/40.5	40/43	51.07/55.47
Refrigerant type		Kg	R32/0.86	R32/1.11	R32/1.68
Design pressure		MPa	4.8/1.7	4.8/1.7	4.8/1.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	9.52mm(3/8in)/ 15.9mm(5/8in)	9.52mm(3/8in)/ 15.9mm(5/8in)	9.52mm(3/8in)/ 19mm(3/4in)
	Max. total pipe length	m	30	30	50
	Max. Elevation	m	20	20	25
Connection wire spec			1.5x4//	1.5x4//	1.5x4//
Thermostat Type			Remote Control	Remote Control	Remote Control
Operation Temperature		°C	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.