Midea

AI ECOMASTER

Inverter High Wall Split Systems
For Energy Saving
Cool Only & Heat Pump
12K - 18K - 24K

World's NO.1 Inverter

Follow Us : Midea Social Media

Midea

make yourself at home

Energy Efficiency for Sustainability

New Refrigerant R32

Midea residential air conditioners accord with international standards for environmental safety and energy efficiency with DOE and UL certification.

Environmentally Friendly

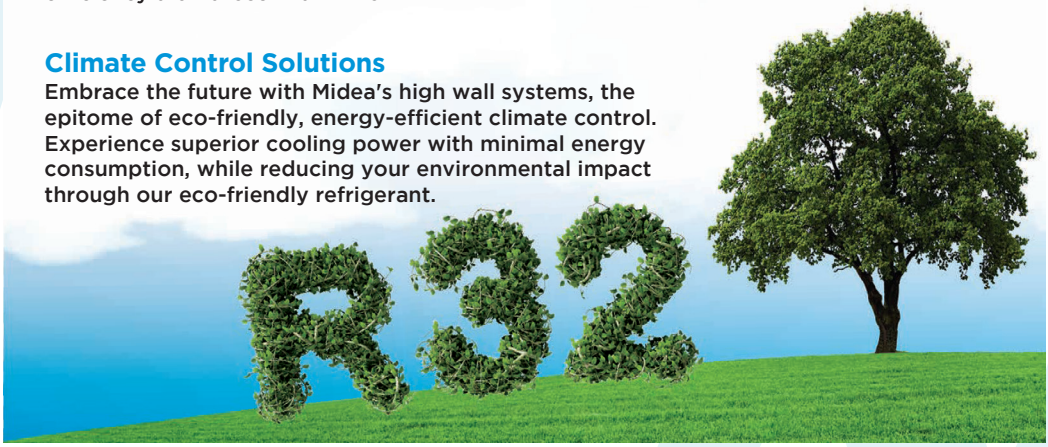
Zero ozone depletion potential guarantees no harm to our planet's ozone layer.
Low global warming potential means a lower carbon footprint.

Energy Saving

Systems using R32 have 2-9% higher energy efficiency than those with R410A.

Climate Control Solutions

Embrace the future with Midea's high wall systems, the epitome of eco-friendly, energy-efficient climate control. Experience superior cooling power with minimal energy consumption, while reducing your environmental impact through our eco-friendly refrigerant.



Superior Performance To Meet Extreme Challenges

The AI ECOMASTER inverter technology, known for its high efficiency, is available in capacities of 12k, 18k, and 24k. It is equipped with the latest intelligent learning algorithm that monitors changing conditions and usage habits, creating the perfect environment while improving energy efficiency by up to 30%.

When connected to the Smart Home App, users can track in real time how much energy they have saved with our products. The app also provides energy-saving reports on a weekly, monthly, and yearly basis, allowing users to identify the causes of high energy consumption.

Packed with energy-saving features such as Cool Flash, Heat Flash, Ionizer, and i-Clean, the AI ECOMASTER also includes Over-The-Air Technology (OTA). This technology facilitates continuous product upgrades, functional optimizations, and preventive maintenance, ensuring the most comfortable and cost-effective experience.

Product Overview

Features Checklist - Midea Inverter AI ECOMASTER

Health Features	
Ionizer	✓
HD Dust Filter	✓
Active Carbon Electrostatic Filter	✓
Self Clean	✓
Modern Aesthetic Design	
Attractive appearance	✓
Compact design	✓
Smart LED display	✓
Energy Saving Features	
Inverter technology	✓
Gear Compressor frequency control operation	✓
AI ECOMaster function	✓
Quiet with Minimum Sound Level Features	
1% ~ 100% Grades indoor fan speed	✓
Silent mode for outdoor unit	✓
Smart Features	
Controllable via smartphone App	✓
Multi controllers	O
Manual On & Off button	✓
Golden Fins - indoor unit coil Chemically Treated To Resist Corrosion	✓
HYPER GRAPFINS Fins - outdoor unit coil Chemically Treated To Resist Corrosion	✓
Long lengths piping between units	✓
Voltage stability	✓
Durability Outdoor Unit	
Anti-rust, weatherproof and long life	✓
Perfect adhesion of highly resistant polyester paint 60-80 micro thick	✓
Intelligent dusting function	✓
Easy Installation and Maintenance	
Flexible multi outlet locations piping	✓
Left & Right drainage	✓
Easy accessibility key components	✓

Comfort Features	
Smart LCD wireless remote	✓
Smart supply air flow	✓
Louver position memory	✓
My Mode save function	✓
Turbo Fast Cooling & Heating	✓
Follow me	✓
Wind Avoid Me air function	✓
Sleep Mode	✓
Programmable timer	✓
Building Management System (BMS)	O
8° Heating	✓
Safety & Reliability Function	
Auto restart with backup memory	✓
Fireproofing Electrical Control Box	✓
Anti-freezing protection of indoor coil when operating in cool mode with excessive dirt on the indoor coil and / or clogged air filters and / or low ambient temperature operation of cool mode.	✓
High temperature protection of outdoor coil when the air conditioner is operating in cool mode.	✓
Cold draft protection when operating in heat mode to prevent blowing out of cold air at the beginning of heat mode which in turn avoids the user discomfort.	✓
High temperature protection of outdoor coil when the air conditioner is operating in heat mode.	✓
Defrost function of outdoor coil when the air conditioner is operating in heat mode at very low ambient temperature.	✓
High ambient protection	✓
Low ambient protection	✓
Smart self-diagnostic function	✓
Refrigerant leakage Detection	✓
Components comply with RoHS	✓

✓ = Standard O = Optional

Product Overview

Midea AI ECOMASTER Inverter wall mounted air conditioning solutions are built to prioritize your cooling comfort. manufactured to work uninterruptedly even at high ambient temperatures, open your homes to efficient, high-performance air conditioning.

STANDARD FEATURES

High Ambient Operation (At 55°C)	ECOMASTER 30% Extra Energy Saving	3D DC Inverter T3 Compressor & Motors	Friendly Green R-32 Refrigerant	Ionizer Technology	Smart Energy-saving Management (APP)	OTA (APP)
Midea Smart Mobile App	Pre- Filter	Active Carbon Filter	HYPER GRAPFINS™ Anti aging & Anti-Corrosion	Golden Fins Chemically Treated to Resist Corrosion	3D Smart Airflow Auto Swing	Cool/Heat flash Turbojet Engine System 6°C quickly in 10 mins
Follow Me Function	Smart Sleep Function & Sleep Curve (APP)	Timer Function	Self Clean Indoor Unit Function	Support Long Lengths Piping Between Units	Auto-Restart	Electrical Voltage Protection
Fireproof Electric Box	Refrigerant Leakage Detect	Smart Self-Diagnostic Function				

Energy Saving

Engineered with a low Global Warming Potential (GWP) refrigerant, the **Midea Inverter R32** solutions deliver reliable performance with optimal energy consumption and a reduced carbon footprint.

R32 REFRIGERANT
Eco Friendly

OPTIONAL FEATURES

Wired controller	Building Management Systems Compatibility

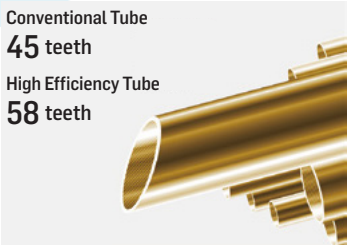
12k - 18k 24k

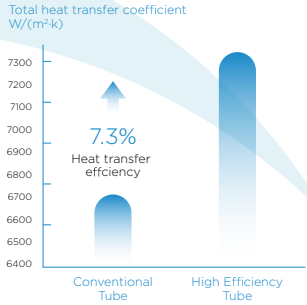
Performance & Reliability

Midea's AI ECOMASTER Inverter wall-mounted air conditioning solutions prioritize performance and reliability to enhance customer satisfaction. This is achieved through a range of cutting-edge features.

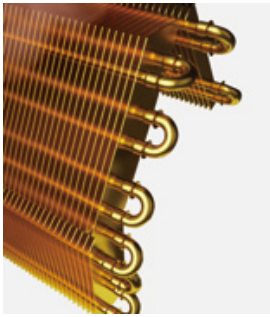
Inner Groove High Efficiency Tube

The larger heat exchange area enhances heat transfer efficiency, allowing faster cooling and heating.

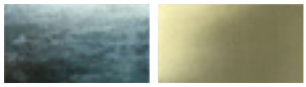




Gold Fin Special Coating for Indoor Coils

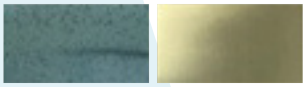


Test 1



Test 1: 1000h neutral salt spray (equivalent to 10+ years of service life under normal conditions): protection level ≥ 9.5, without perforation.

Test 2



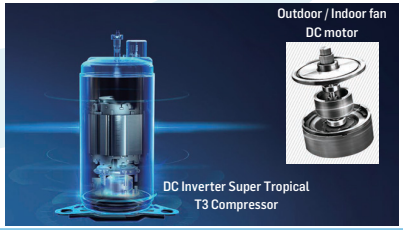
Test 2: Acid resistance tests for 30 minutes (equivalent to 10,000 times accelerated acid rain test): corrosion area ≤ 0.5%.

Durable R32 Compressor

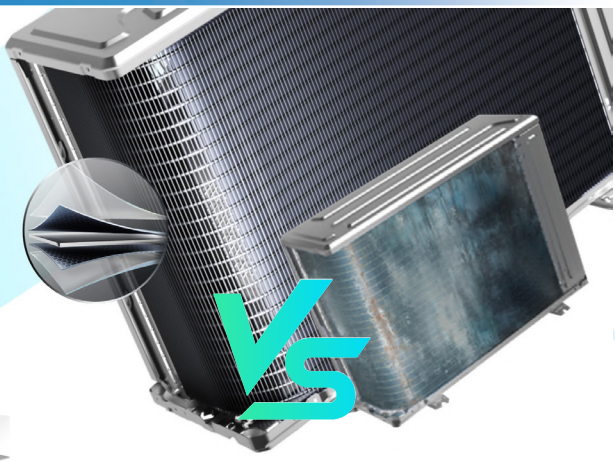
Midea's R32 full DC Inverter high-wall split air conditioner features R32 rotary compressors, utilizing sustainable materials for enhanced longevity and high efficiency. It ensures stable quality and outstanding performance.

Full DC Inverter

Midea Air Conditioner features a DC inverter compressor and DC fan motors, which ensure energy efficiency and enhanced comfort. With its full DC inverter technology, the air conditioner can cool the room more quickly by operating the compressor and fan motor at a higher frequency, allowing it to reach the desired temperature more rapidly.



Reliable Safety & Protection

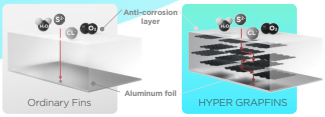


Prime Guard

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.



* 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.

HYPER GRAPFINS™
Verified By Three Test Standards

20 to 50-year
-corrosion-resistance fin
Depended on the using industrial environment with salt contamination

After 240 hours UV test and 72 hours neutral salt spray (fog) test

0.02%
corrosion area

12.5X
corrosion resistance than blue coated fins

Stand Up to Neutral Salt Spray Test for

1500h

* 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.

Built to Last

Anti-corrosion
Resist 1500h neutral Salt spray test.

Anti-aging
Durable after 240h of uvb light.

Double Protection
Double graphene layer For durability.

More Durable
Conformal coating up to 100μm Anti-sulfurization resistors.

More Stable
Smooth operation in wider range Voltage fluctuation protection.

More Reliable
Double outlets patented ventilator Heat dissipation area increased by 15%.

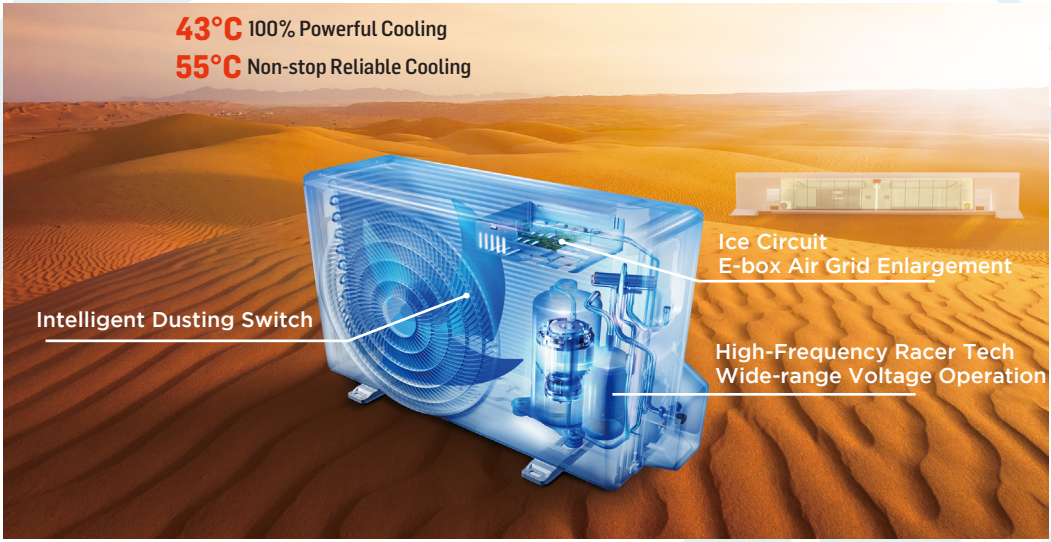
Performance & Reliability

Midea AI ECOMASTER Inverter wall-mounted air conditioner cools down rapidly in Cool/Heat Flash mode, even when outside temperatures reach a scorching 55°C. Its powerful compressor delivers a soothing cooling performance that contrasts sharply with the heat, like a polar aurora on the desert horizon. Additionally, with AI Inverter technology, this air conditioner provides high energy efficiency, giving you peace of mind about your energy consumption.

Enjoy powerful cooling whenever and wherever you need it

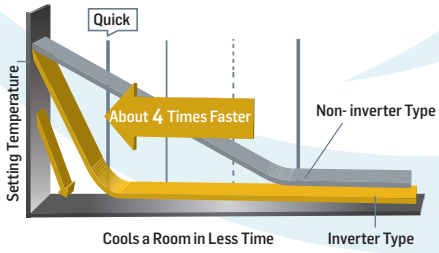
Super Tropical

Efficient cooling even in desert temperatures T3 up to **55°C**, with a powerful inverter that offers high efficiency and low electrical consumption, resulting in an exceptionally effective cooling system.



Full Direct Current (DC) motor

Keeping powerful, reliable performance at the forefront, the inverter compressor air conditioner operates faster, allowing users to achieve the desired set temperature faster than a conventional air conditioner.



Wide-Range Voltage Operation

Midea's PCB (Printed Circuit Board) has been improved to enhance its ability to endure voltage fluctuations (overloads), ensuring operational stability of your air conditioner within a wide voltage range of 80-130V to 265V, without needing a separate voltage stabilizer.

Efficient Operation Works Efficiently in hot climates

Smart APP. Control

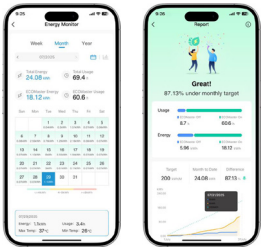
Control Your AC, Anytime and Anywhere

The Midea SmartHome app allows users to control their air conditioners remotely, set preferred temperatures before arrival, and manage devices for better energy efficiency. With this app, you can ensure your home is comfortable the moment you walk in, offering convenience and enhanced climate control.
Smart control and energy monitoring within your fingertips.
- Regular energy usage reports.
- Monitor energy savings in real time.
- Personalized energy-saving recommendations.

Smart Control Features

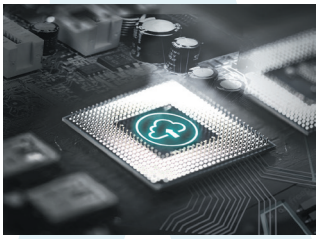
AI ECOMaster	Smart Sleep
AI Humidity	Smart Check
Energy Monitor	Smart Schedule
Operation Monitor	Scenes Automation

Energy saving report



By detecting changes in the environment and the user's habits, it calculates, adjusts, and optimizes operating modes to reduce energy consumption and offers personalized energy-saving tips through the SmartHome App.

Over-the-air technology (OTA)

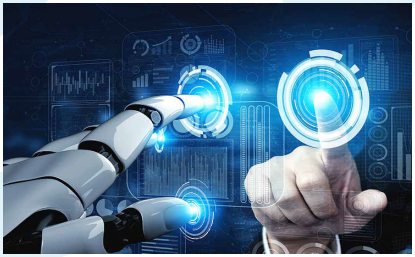


OTA is an innovative method for optimizing and upgrading air conditioners through the cloud. It enables users to update, enhance, and maintain cloud features, as well as to detect and resolve issues anytime and anywhere via wireless updates.

The app allows users to share control of their A/C with other users using a QR code.

SmartHome

Download the app & activate product



The application is available at...

works with Google Home

Works with IFTTT

reddot winner 2023 app design

Google play

Download on the App Store

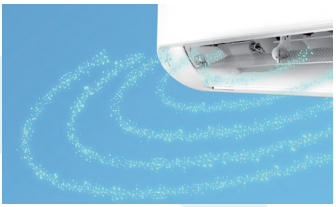
Note:

* The air conditioner and smartphone should be connected to the Internet to enable the Smart Control Function

** Refer to the manual for set-up instructions

Improved Air Quality

The Midea Inverter wall-mounted residential air conditioner series incorporates advanced features designed to maintain optimal indoor air quality.



Triple Purification System

This system employs a three-stage purification process for the air conditioner, delivering enhanced air quality.

First Guard

An ionizer generates a substantial amount of negative ions that contribute to air purification by eliminating germs as well as smoke and dust particles. This device is engineered to enhance indoor air quality efficiently.

Second Guard

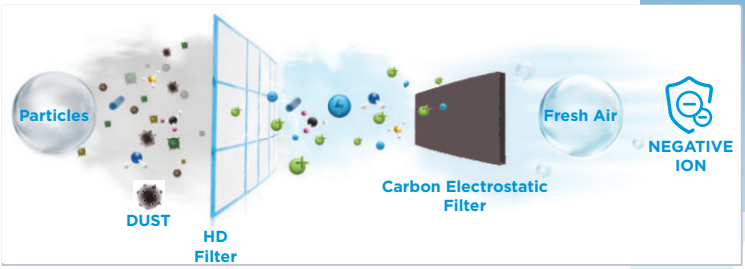
Due to its enhanced capacity, the Guard HD filter operates with greater efficiency than standard filters, effectively removing smaller contaminants from the system.

Third Guard

The third Guard filters additional dust particles that may pass through, contributing to a cleaner and safer indoor environment.

Ionizer benefits include:

- Eliminates bacteria, dust mites, pollutants, and chemicals.
- Removes odors, smoke, and household smells.
- Eases fatigue, allergies, and pain.
- Promotes calmness and improves mood.
- Boosts energy and alertness.



Washable High Density Filter

In comparison with standard dust filters, this high-density filter enhances anti-dust performance by over 50% and efficiently removes up to 80% of dust and pollen particles.

Carbon Electrostatic Filter

Carbon Electrostatic air filters are widely used for gas removal. These filters use a bed of activated carbon (also known as activated charcoal) to trap gases, including volatile organic compounds (VOCs) emitted from household products. They are also effective at reducing odors, such as those from tobacco smoke.

Inverter AI ECOMASTER

Midea AI ECOMASTER Inverters has arrived: new air conditioner with Artificial Intelligence. The exclusive AI ECOMASTER Technology offers up to 30% more energy savings at any temperature setting, ensuring comfort and the ideal climate for your space. It also features AI Humidity Control, app connectivity, Cool Flash, Prime Guard protection, and much more!

Intelligent learning algorithm for extra energy saving

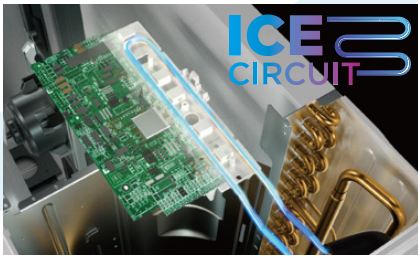
Thanks to the advanced AI control algorithm, AI ECOMASTER is capable of self-learning. This allows it to acquire the preferred settings such as the temperature and the most comfortable airflow angle from user habits.
It can intelligently predict and perform the most energy-efficient air conditioning program delivering extra energy savings of up to 30% for Eco comfort.

Thermostatic Technology

Keeping you steadily cool within 0.3°C.
Thanks to the precise control of the Inverter micro-chip, Midea air conditioner can easily maintain the desired temperature by varying the compressor speed without repeatedly turning on and off, keeping you feel comfortable with steady temperature within 0.3°C.

Auto-Cooling System

The newly designed refrigerant circuit radiator utilizes the refrigerant to cool down the E-Box efficiently, which can highly improve the unit reliability and performance under high ambient temperature.



Convenient Operability

Midea Inverter AI ECOMASTER series is built with several modes to ensure convenience in operation, functionality and usage.

3D Air Flow

Auto-swing horizontal supply air louver moves up and down to optimize air temperature and velocity distribution in the conditioned space.

Auto-swing vertical supply air flaps move automatically in both right and left directions, ensuring uniform distribution of supply air temperature and velocity throughout the air-conditioned environment.

Louver Position Memory

Your unit will remember and automatically adjust the horizontal / vertical louvers to its previous position when you start it up again. No need to readjust—it's ready to go!

Cool / Heat flash

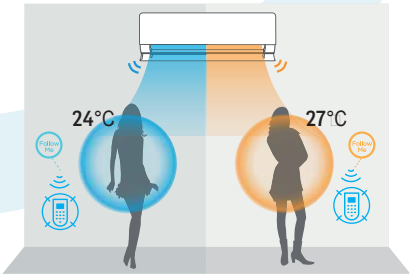
Midea Cool / Heat Flash technology can instantly cool a whole room. With a large air volume and long airflow, the temperature of the whole room can be reduced by 6°C in 10 minutes in cooling.

My Mode

This Mode allows users to save their preferred temperature settings on the remote controller and enjoy personalized cooling with the press of a button.

Follow Me

Keep your remote close to you and let the "Follow Me" mode measure the air temperature around you. This allows for cool air to be delivered directly to your position in an effortless way.



Convenient Operability

Midea Inverter AI ECOMASTER series is built with several modes to ensure convenience in operation, functionality and usage.

Wind Avoid Me

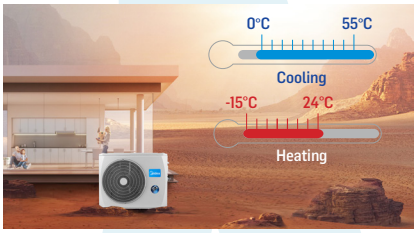
Take control of your comfort and avoid direct breeze exposure by effortlessly adjusting the breeze direction with the remote.

1 ~ 100% Fan Speed

0-100% fan speed can be precisely controlled in 1% increments, breaking the traditional fixed fan speed.

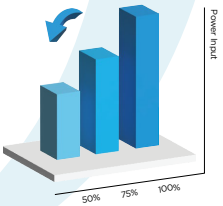
Wide Ambient Heating & Cooling

Wide range of ambient operation for Heating & Cooling. The system will continue to provide cooling even at temperatures of up to 55°C and will continue heating even at temperatures as low as -15°C.



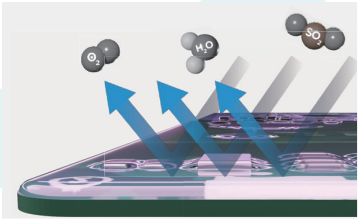
Gear (Via SmartHome app.)

Adjusting the power with three levels (50%, 75%, 100%) allows for more precise control in various usage scenarios. When you feel comfortable, you can select a lower power level to conserve energy.



Reliable PCB with Conformal Coating

Increased reliability and protection via the upgraded main PCB (Power Circuit Board) improves stability with its ability to tolerate voltage fluctuations from as low as 80V for 12k 130V for 18-24k and up to 265V & special protection layer.

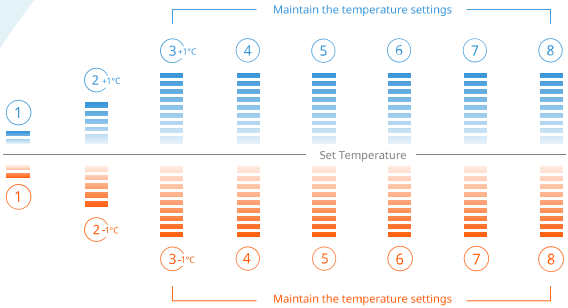


Convenient Operability

Apart from the innovative technology that drives Midea air conditioners to be the best, we strive to always produce a product that has the comfort of its users as a top priority.
Key comfort features in our air conditioners maintain temperatures, keep you cool on the move and is quietly calming for the ideal environment in your home or office.

Smart Sleep Curve

Midea can adjust temperature automatically during your sleep according to your advanced setting in SmartHome App, to maintain a comfortable bedtime climate.

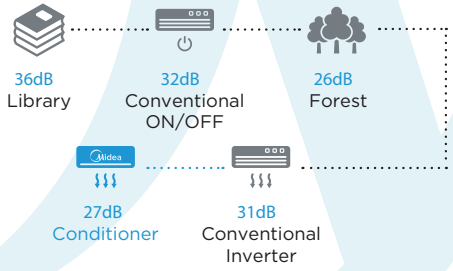


Sleep Mode - Cool
In cooling mode, the temperature increases by 1° (to no more than 28°C) every 1 hour and after 2 hours the indoor fan is fixed at low speed.

Sleep Mode - Heat
In heating mode, the temperature decreases by 1° (to no less than 20°C) every 1 hour and after 2 hours the indoor fan is fixed at low speed. The unit will quit this mode after 8 hours, and the fan speed will change to auto.

Quiet Operation. Sweeter dreams.

New Midea series design allow the airow pass smoothly and lower the operating noise as low as 27dB, giving you coolness in extreme serenity.
* This data for 12k



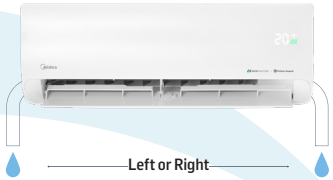
Mute Operation

Want to turn off the AC beep and display? By pressing LED button, Midea AC help to give you a quiet and comfortable night.

Reliable Safety & Protection

2-Way Connection

The units offer excellent installation flexibility with their refrigerant piping and drainage hose that have the option of being connected to either the left or right side of the indoor unit.



Rotation: Intelligent Dusting Switch

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.

Durability

Anti-rust, weather proof and long life outdoor unit sheet metal parts made of chemically treated and zinc coated (galvanized) sheet metal.
Powder painted casing of outdoor unit with prefect adhesion of highly resistant polyester paint 60-80 microns thick, which is electro-statically applied and baked at a temperature of 220°C.

Fireproof Electric Control Box

The electric control box uses ABS material with a 5VA flame retardant rating, and the outer surface is covered with sheet metal, which isolates the electric control box from fire.

Refrigerant Leakage Detect

The system will stop operation automatically to ensure safety once the refrigerant leakage is detected.

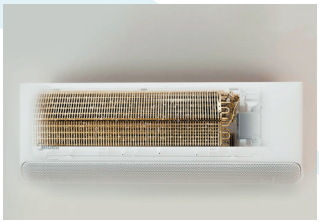
The Midea AI ECOMASTER Inverter series R32 wall-mounted units are designed for efficient installation, providing reliable cooling solutions with minimal disruption.

Easy To Maintain

A key factor in a high-quality, efficient air conditioner is not only its cooling performance but also the ease of use and maintenance. The Midea Inverter series of residential air conditioning solutions is designed with numerous features to ensure both.

i-clean

Active Clean function enables the indoor unit to wash out dust, mold and grease thus reducing the occurrence of odor. When this function is activated, the unit automatically freezes and thaws with the display window showing 'CL'. Once the function has been completed, the unit automatically turns off.



The air conditioner operates on a (Heat Pump) system in the following order:
Cooling → Freezing → Heating → Defrosting → Fan → Off

1. Cooling at medium speed for 10 minutes
2. Cooling at low speed for 10 minutes
3. Heating at medium speed for 10 minutes
4. Ventilation at medium speed for 2 mins
5. Self-cleaning function off
6. Air conditioner off

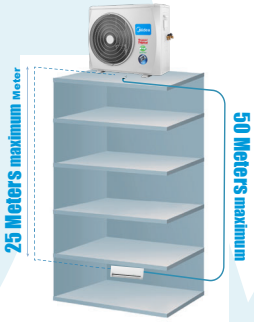
The air conditioner operates on a (Cool Only) system in the following order:
Cooling → Freezing → Defrosting → Fan → Off

1. Cooling at medium speed for 10 minutes
2. Cooling at low speed for 10 minutes
3. Ventilation at medium speed for 2 mins
4. Self-cleaning function off
5. Air conditioner off

Support Long Lengths Piping Between Units

For example: 24k

- 50 meters, the maximum length of refrigerant pipe fittings
- 25 meters, the maximum height between the indoor & outdoor units
- The ideal solution for hotels and commercial buildings ...



Complete Safety & Reliability Functions

The electronic printed circuit board in the indoor unit is equipped with smart self diagnostic function which automatically stops the operation of the air conditioner in case of a malfunction.

Midea Inverter R32 split wall mounted solutions come with an easy installation procedure to meet your cooling needs in a hassle-free manner.

Controller

MODE
Press this button to switch the mode.
Auto > Cool > Dry > Heat > Fan

ON/OFF
Press to start operation.
Press again to stop.

TEMPERATURE UP
Use to increase temperature in 1˚C increments. Maximum temperature is 28˚C.

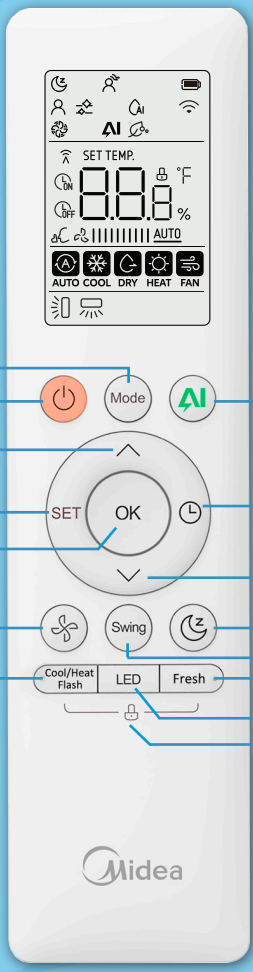
SET
Use to scrolls through operation functions as follows:
- Sleep →
- Cool/Heat Flash →
- ECOSMART AI →
- Fresh →
- Avoid Me →
- Follow Me →
- Self Clean →
- Dry Ai Mode →
- AP Mode →

Sleep ...
The selected symbol will flash on the display area.
Press the OK button to confirm.

OK
Use to confirm the selected functions.

FAN SPEED
Press to select the fan speed.
Fan Speed: AU > 20% > 40% > 60% > 80% > 100%.
Keep pressing Fan button for more than 2 seconds to activate/disable Silent outdoor unit function.

COOL/HEAT FLASH
Reduce (cool mode) or rise (heat mode) temperature in a short time.



ECOMASTER
Press to enter the energy efficient mode.

TIMER
Set the timer to turn the unit on or off.

TEMPERATURE DOWN
Decreases the temperature in 1˚C increments. Minimum temperature is 20˚C.

SLEEP
Used to save energy during sleeping hours.

SWING
Starts and stops the horizontal louver movement. Hold down for two seconds to initiate the vertical louver auto swing feature.

FRESH
Use to start/stop the Ionizer function.

LED
Press to turn on/off the LED display. Press this for five more seconds to alternate the indoor display between setting temperature and room temperature.

LOCK
Press the Clean and Turbo buttons at the same time for more than five seconds to activate the Lock function.

Technical Specifications

Capacity		12k	18k	24k
System type		Cool Only	Cool Only	Cool Only
System model		M1SEFT-12CRDN8F-Q8	M1SEFT-18CRDN8F-Q8	M1SEFT-24CRDN8F-Q8
Indoor unit model		MSEFT-12CRDN8F-Q8	MSEFT-18CRDN8F-Q8	MSEFT-24CRDN8F-Q8
Outdoor unit model		MOSEFT-12CDN8-X2Q8	MOSEFT-18CDN8-X2Q8	MOSEFT-24CDN8-CAQ8
Cooling capacity	Btu/hr - kW	12,250 - 3.59	18,200 - 5.33	25,000 - 7.33
Input power - Cooling	W	1,080	1,470	2,066
Input current - Cooling	A	4.81	7.70	9.10
SEER - Cooling	Btu/wh - W/W	13.90 - 4.07	16.00 - 4.69	15.50 - 4.54
SEER Level (EOS 3795 / 2023 testing)		S4	S5	S5
System type		Heat Pump	Heat Pump	Heat Pump
System model		M1SEFT-12HRDN8F-Q8	M1SEFT-18HRDN8F-Q8	M1SEFT-24HRDN8F-Q8
Indoor unit model		MSEFT-12HRDN8F-Q8	MSEFT-18HRDN8F-Q8	MSEFT-24HRDN8F-Q8
Outdoor unit model		MOSEFT-12HDN8-X2Q8	MOSEFT-18HDN8-X2Q8	MOSEFT-24HDN8-CAQ8
Cooling capacity	Btu/hr - kW	12,400 - 3.63	18,100 - 5.30	25,000 - 7.33
Input power - Cooling	W	1,080	1,480	2,066
Input current - Cooling	A	4.81	7.20	9.10
SEER - Cooling	Btu/wh - W/W	14.20 - 4.16	15.50 - 4.54	15.50 - 4.54
SEER Level (EOS 3795 / 2023 testing)		S4	S5	S5
Heating capacity	Btu/hr - kW	12,650 - 3.71	19,000 - 5.57	24,000 - 7.03
Input power - Heating	W	1,121	1,630	2,530
Input current - Heating	A	4.91	7.80	11.40
C.O.P - Heating	W/W	3.31	3.42	2.78
Indoor unit		**12k**	**18k**	**24k**
Dehumidification	l/h	1.1	1.6	2.3
Nominal air flow (20%/40%/60%/80%/100%)	cfm	200 / 226 / 260 / 300 / 328	300 / 340 / 380 / 425 / 480	327 / 467 / 580 / 690 / 810
	m^3/hr	340 / 384 / 442 / 510 / 557	510 / 578 / 646 / 722 / 816	556 / 793 / 985 / 1172 / 1376
Sound Pressure in Cool operation (20/40/60/80/100%) as per GB 19606-2004 standard	dB(A)	26.9 / 30 / 32.6 / 35.3 / 38	31.6 / 34.7 / 37.5 / 39.8 / 42.2	33.1 / 37 / 41 / 44.7 / 48.1
Sound Pressure in cool operation (20%/40%/60%/80%/100%) measured in reverberation sound testing lab as per ISO 3741 standard	dB(A)	34 / 38 / 40 / 42 / 45	37 / 41 / 43 / 45 / 47	41 / 44 / 47 / 50 / 52
Net Dimensions (W×H×D)	mm	822 x 289 x 220	986 x 308 x 230	1059 x 328 x 250
Net Weight	kg	8	11	13
Outdoor unit		**12k**	**18k**	**24k**
Compressor type Super Tropical		Inverter Rotary	Inverter Rotary	Inverter Rotary
Refrigerant type / Coupler type		R-32 / Flare	R-32 / Flare	R-32 / Flare
Sound Pressure in Cool / Heat operation (GB 19606-2004 standard)	dB(A)	53.8 / 54.8	54.6 / 55.8	56.8 / 63.8
Sound Pressure in Cool / Heat operation (ISO 3741 standard)	dB(A)	56.3 / 57.2	57.7 / 61.0	61.0 / 65.0
Net Dimensions (W×H×D)	mm	766 x 556 x 290	766 x 556 x 290	845 x 700 x 330
Net Weight	kg	22	27	40
System Installation Data				
Pipe connection sizes (Gas x Liquid)	inch	3/8 x 1/4	1/2 x 1/4	5/8 x 3/8
Maximum pipe length	m	25	30	50
Maximum height difference	m	10	20	25
Condensate drain hose diameter	inch	5/8"	5/8"	5/8"
Source of Power Supply		Outdoor Unit	Outdoor Unit	Outdoor Unit
Recommended Wire Size / No. of Wires (Power Supply to ODU)	mm^2 (Qty)	3 mm^2 (2 Wires +1 Earth)	3 mm^2 (2 Wires +1 Earth)	4 mm^2 (2 Wires +1 Earth)
Recommended Wire Size / No. of Wires (between ODU & IDU)	mm^2 (Qty)	1 mm^2 (3 Wires +1 Earth)	1 mm^2 (3 Wires +1 Earth)	1 mm^2 (3 Wires +1 Earth)
Room Ambient Temperature - IDU (cooling / heating)	°C	16 ~ 32 / 0 ~ 30	16 ~ 32 / 0 ~ 30	16 ~ 32 / 0 ~ 30
Outside Ambient Temperature - ODU (cooling / heating)	°C	0 ~ 55 / -15 ~ 24	0 ~ 55 / -15 ~ 24	0 ~ 55 / -15 ~ 24
Power supply	Ph - V - Hz	1 - 220~240 - 50/60	1 - 220~240 - 50/60	1 - 220~240 - 50/60

*** Cooling Capacity and Energy Efficiency Ratio (SEER) based on Egyptian / International standards ES 3795:2023 / ES 4814:2018 / ISO 5151:2017 at operating conditions :**
35°C/46°C Ambient Temperature. 27/19°C dbt/wbt Indoor Temperature. 230 volts power supply. High Air Flow

*** Systems work in cooling at high ambient temperature T3 up to 55°C** *** Cooling Capacity & SEER tolerances ±5%**

*** Heating Capacity and Coefficient of Performance (COP) based on Egyptian / International standards ES 4814:2018 / ISO 5151:2017 at operating conditions :**
20°C dbt Indoor Temperature. 7/6°C dbt/wbt Outdoor Temperature. 230 volts power supply. High Air Flow

*** Products have a 2 year life expectancy after the original warranty period to provide maintenance and spare parts with fees.**

*** Midea is committed for continuous improvement of Midea products according to national and international standards to ensure the highest quality and reliability standards, and to meet market regulations and requirements. All specifications subject to change without prior notice according to Midea policy of continuous development.**