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Specifications are subject to change without notice.

2021 LIGHT COMMERCIAL AIR CONDITIONER



# 2021 LIGHT COMMERCIAL AIR CONDITIONER



ACOOOL  
awesome



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The 2021 Canton Fair Broadcast





# THE RIGHT SOLUTIONS FOR ANY SPACE

Whatever your living environment, architectural style, or budget, we have a plan to ensure you always enjoy optimal comfort in the spaces you spend your time, from the workplace and business settings to home and leisure.





**500** Midea Group ranks  
**307th**  
Fortune Global

Midea Group is a world's leading technologies group in consumer appliances, HVAC systems, robotics and industrial automation systems, and smart supply chain (logistics). Founded in 1968 in Guangdong, China, Midea has established a global platform of over 130,000 employees, more than 200 subsidiaries, over 60 overseas branches and 12 strategic business units, as well as being the majority shareholder of KUKA (95% shareholding).

From 2015, Midea, enjoying a stable expectation of development, was granted credit ratings continuously by three international credit rating agencies, including Standard & Poor, Fitch, and Moody. Since 2016, Midea Group was ranked on Fortune Global 500 for three consecutive years, Ranking 307th in 2020.

## Midea Milestones

- 1980** Entered into household appliance manufacturing
- 1985** Began production of residential air conditioners
- 1992** Formed Welling Holding Limited
- 1993** Listed on the Shenzhen Stock Exchange
- 1996** Launched China's first inverter air condition
- 1998** Acquired Toshiba AC Compressor factory; Launched China's first DC inverter air conditioner
- 2004** Launched a joint venture with Toshiba-Carrier
- 2011** Launched a joint venture with Carrier in Latin America; Established Midea & Toshiba - Carrier R410A DC Inverter Technology Development Lab
- 2016** Acquired Kuka and cooperation in robotics; Listed on the Fortune Global 500
- 2019** Ranked 312th on Fortune Global 500
- 2020** Ranked 307th on Fortune Global 500

MIDEA GROUP



# GLOBAL CAPACITY

Midea has created a global industrial layout for its residential air conditioners with six Chinese manufacturing bases, and five more overseas.

With an annual production capacity of over 67 million sets, Midea residential air conditioners have ranked No.1 in export sales for 10 consecutive years.



**World's No.1 Air Treatment Company**  
**67 Million Sets of Annual Capacity**

The Integrated Supply Chain to Stay on Top of Client's Demand

\* Source Euromonitor International (Shanghai) Limited; Consumer Appliances 21ed, retail volume sales in unit, 2020 data.





# SUPERIOR MANUFACTURING

With China's most complete AC industrial chain, and the largest and most advanced CKD and SKD production lines, Midea has a full range of residential AC products: split, window, portable, dehumidifier and light commercial.



## GMCC Compressor

**33%** of global compressor production

## Wellig Motor

**150** million+ unit production per year

## Midea Mold Company

**150** million RMB invested in 2010

## RAC Product Lines up



# LEADING QUALITY

Midea sets the industry standards with strict life cycle management, industry-leading testing, and a robust after-sales service system to ensure the highest-quality of products.

## 3000

Engineers and Inspectors  
Supervising:

- Quality System Management
- Supplier Quality Assurance
- Incoming Quality Control
- Process Quality Control
- Final Quality Control
- Customer Service & Improvement

## 35

Global Quality Certifications:





# ADVANCED R&D



Midea's Residential Air Conditioner attaches great importance to R&D.

The RAC R&D Center measures over 40,000 square meters in footprint, and represents almost 60 million USD in total investment with over half of that going towards R&D equipments.

## 89

Technology labs, Including the Midea & Toshiba-Carrier R410A DC Inverter Lab, the Midea-Emerson Digital Scroll/Scroll Heating Application Lab.

## 5

Global R&D bases: Shunde, China; Silicon Valley, U.S.; Milan, Italy; Osaka, Japan; Haryana, India.

## 34

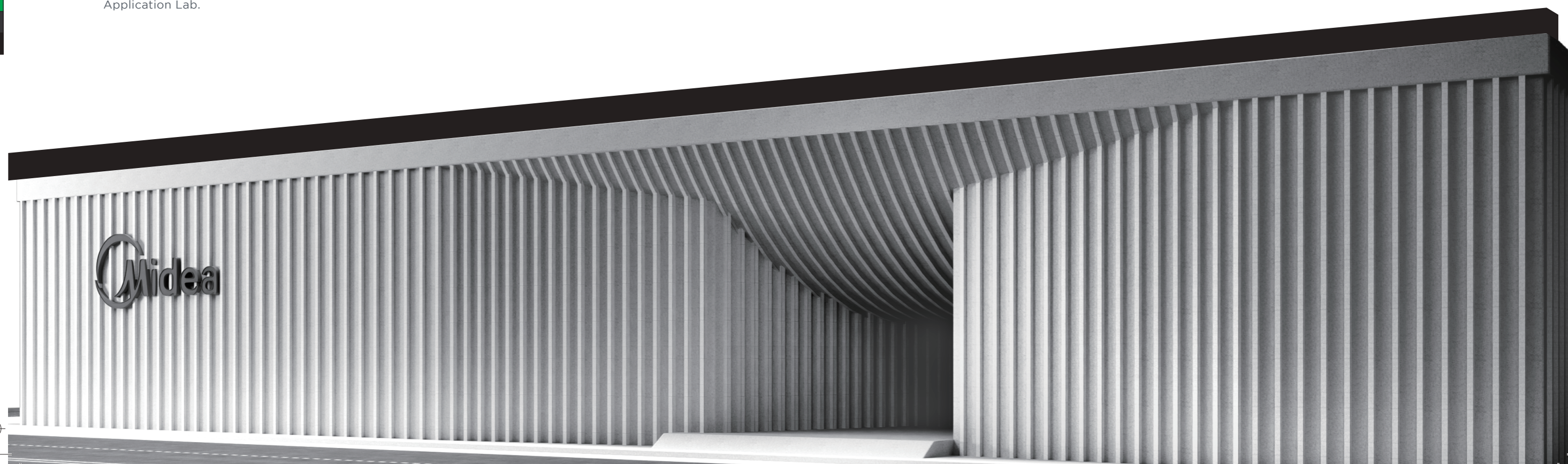
International leading technologies

## 10000+

Technical experts from around the world, with over 40% owning Doctoral or Master's degree.

## 60000+

Patented breakthroughs, winning national and international technology awards.





# 01 MIDEA CORE TECHNOLOGY

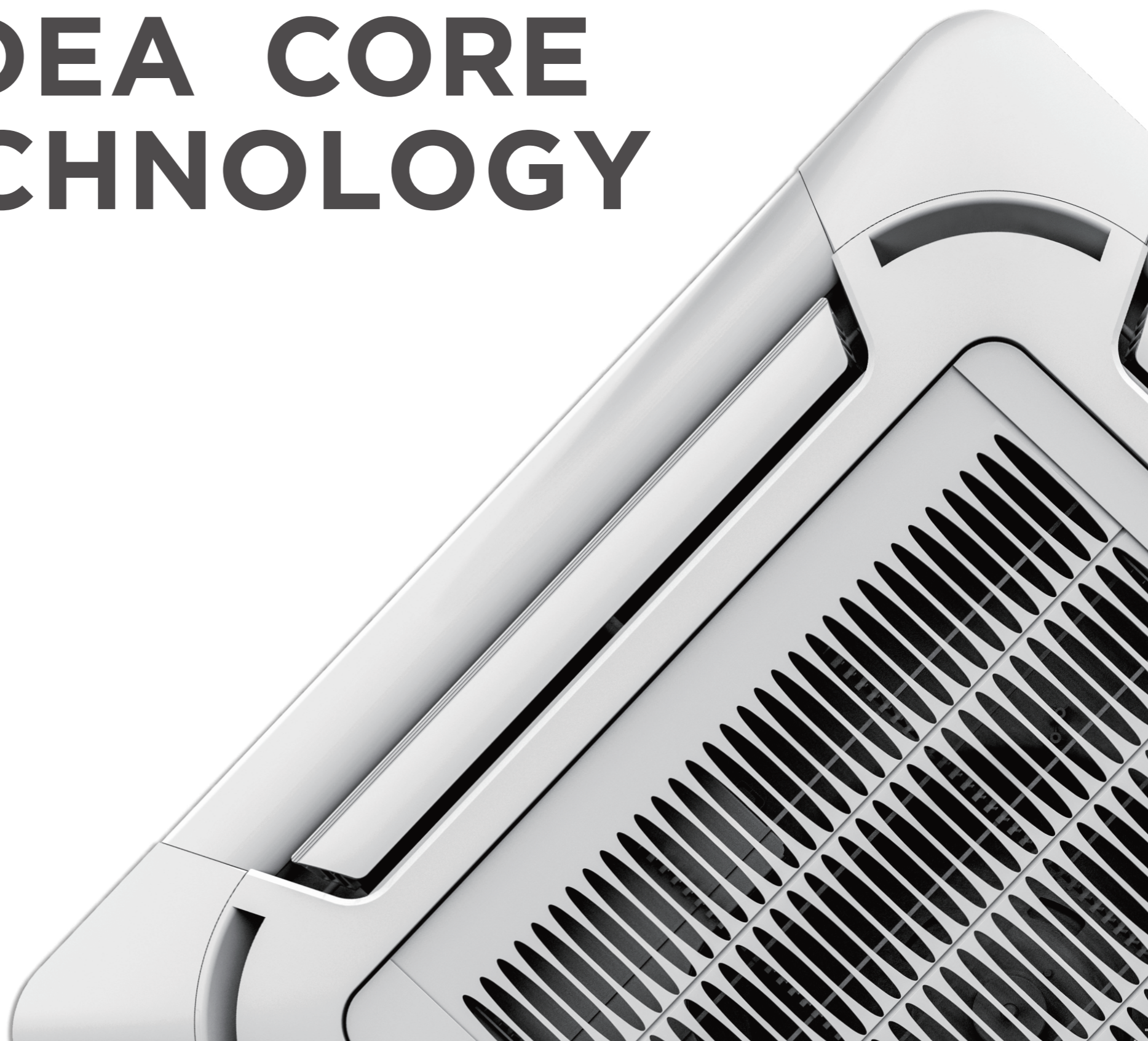
Midea's  
Inverter Technology

Higher Energy  
Efficiency

Better  
Comfort

Higher  
Reliability

Flexible Installation  
& Easy Maintenance





# MIDEA'S INVERTER TECHNOLOGY





# THE EXCLUSIVE INVERTER QUATTRO™ TECHNOLOGY

A brain that calculates  
your needs in any conditions

Midea's Genius Core Energy Chip with Precise-control Inverter Deduction Algorithm reduces energy loss by enabling more precise signal reception, accurate data processing, and prompt delivery of instructions the compressor.

As a result, Midea's inverter compressor offers more stable operation than common inverters. It's super-smooth inverter frequency of variation ensures you never notice fluctuations in room temperature.

Up to **71%**  
**Ultra Energy Saving**

Midea's AC is highly efficient and cost-saving due to the precise-control algorithm, which enables energy cutting up to 71%.

Within  
**± 1°C**  
**Comfort With  
Stable Temperature**

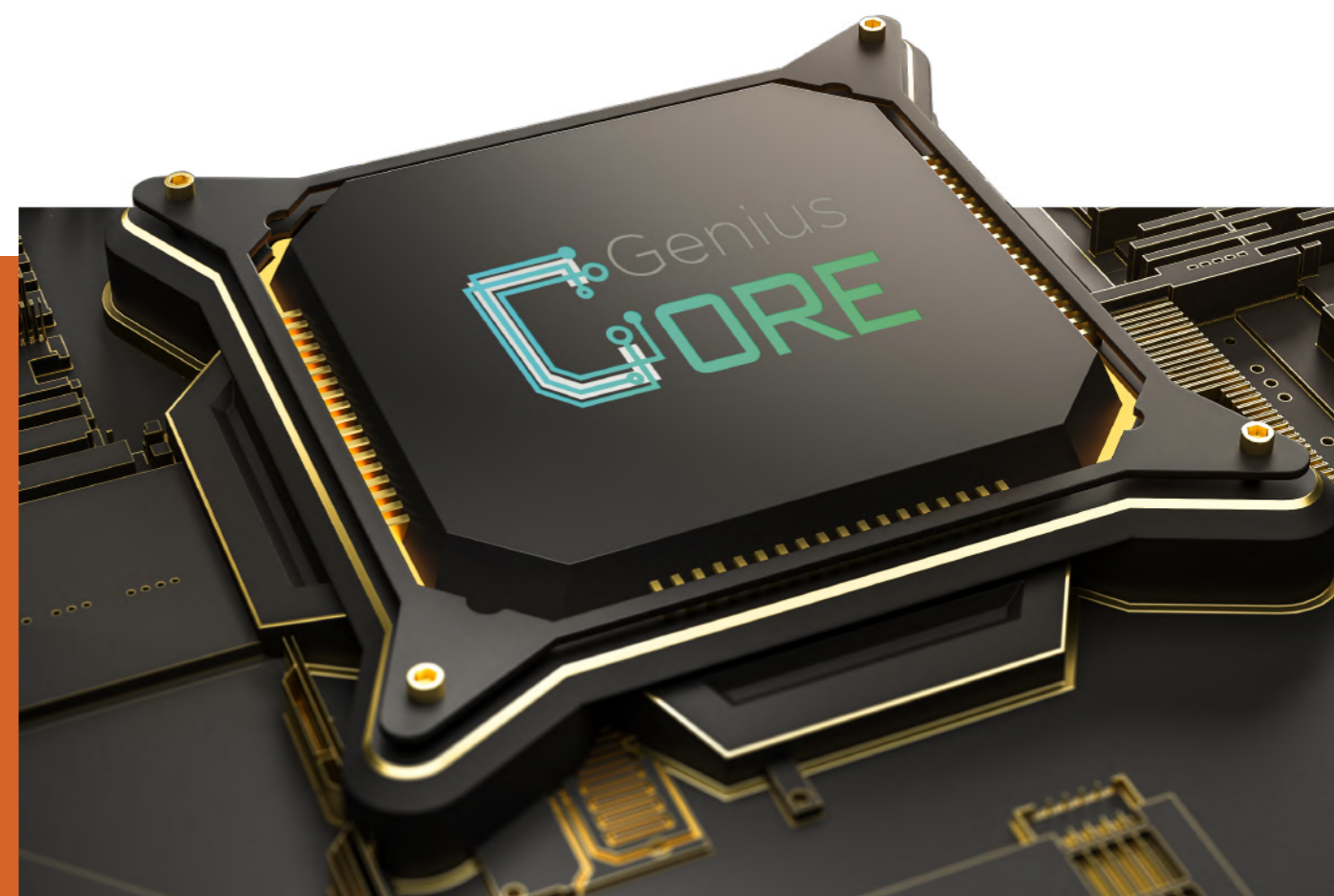
The precise-control algorithm can help the AC easily maintain the desired temperature with minimum within 30.5°C with the minimum fluctuation of compressor frequency.

65Hz in **6 seconds**  
**Flash Cooling/Heating**

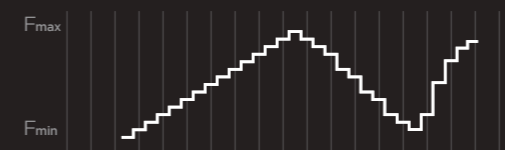
The precise-control algorithm facilitates the AC's compressor to reach maximum frequency very quickly to ensure speedy, powerful cooling/heating.

Superior operation from  
**60 to -30°C**  
**High Ambient Cooling/Heating**

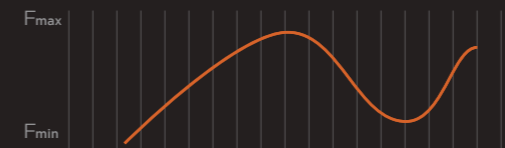
Applying the precise-control algorithm to Midea's strong inverter compressor system makes Midea's AC a smart solution for buildings in areas that experience extreme ambient temperature.



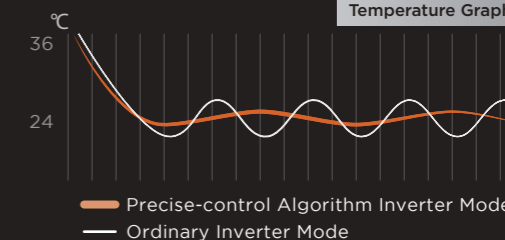
Ordinary Inverter Mode



Precise-control Algorithm Inverter Mode



Temperature Graph





# FULL DC INVERTER SYSTEM

Thanks to the Full DC Inverter System, Midea's air conditioners achieved 20% higher energy efficiency compared to normal AC inverters.

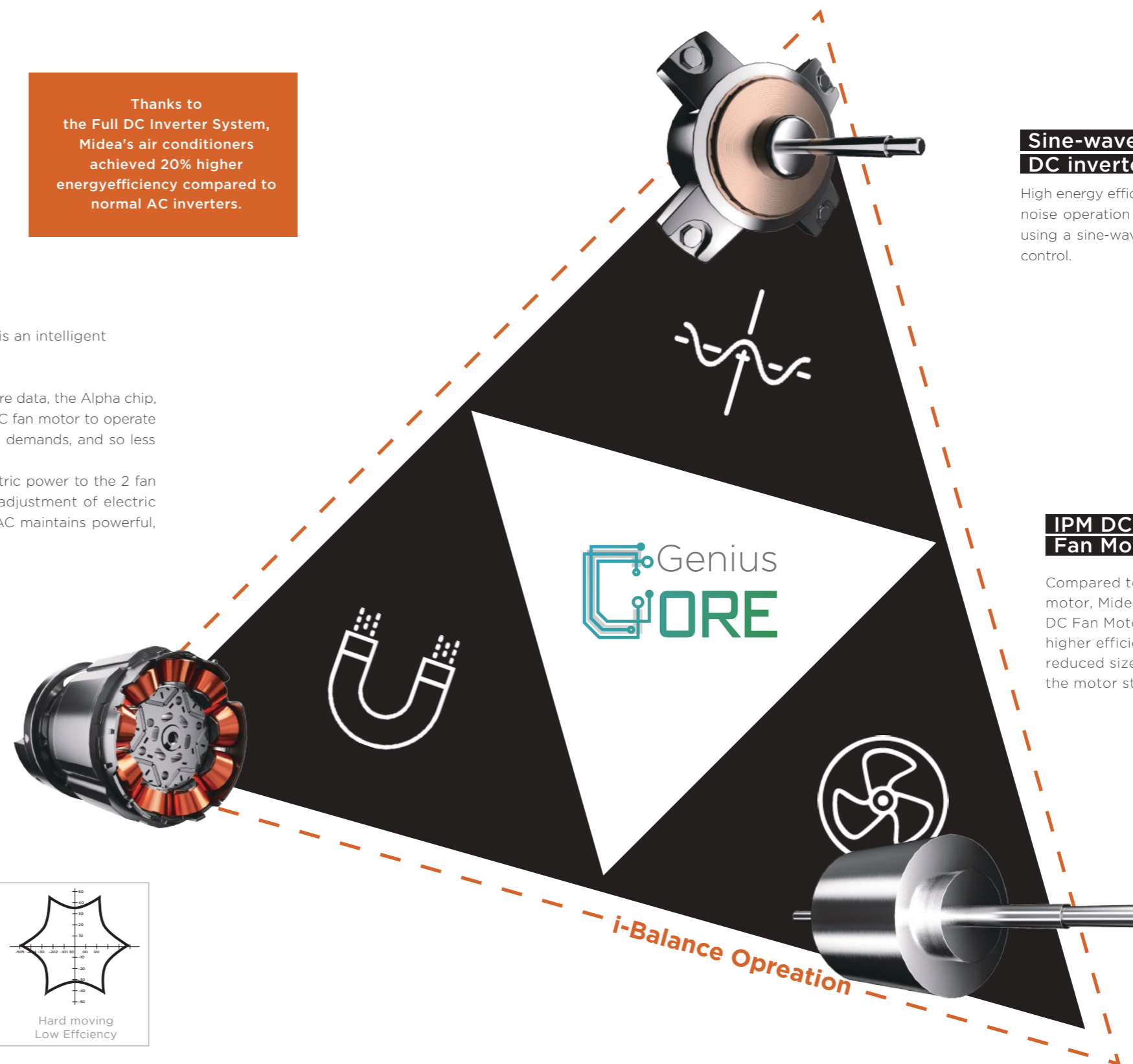
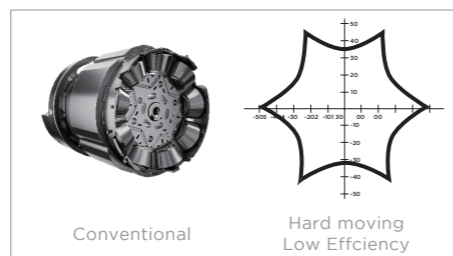
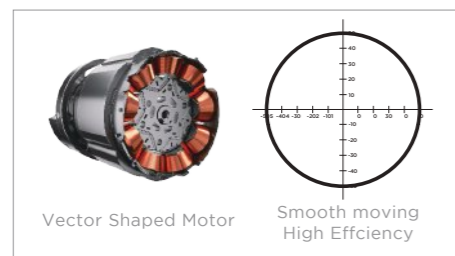
On top of the Midea's Full DC Inverter System, the Genius Core is an intelligent commander that keeping the harmony internally and externally.

Through accurate signal receiving and processing of the temperature data, the Alpha chip, on the one hand, can instruct the inverter compressor and the 2 DC fan motor to operate at the optimal status that suit most to the actual cooling/heating demands, and so less energy waste;

On the other hand, it can deliver the approximate amount of electric power to the 2 fan motor that align with the compressor operation. The dynamic adjustment of electric power guarantee the constant balance of the system, so Midea AC maintains powerful, efficient and stable performance in long period operation.

## Exclusive rare Earth magnet motor

The motor accounts for 90% of the power consumption of an air conditioner. The Midea Exclusive rare earth magnet motor has achieved 3 times stronger magnetic force and 5 times higher coercive force, by optimizing the structure inside the motor. This means the motor can increase the rotation speed with same amount of power consumption. Thus this motor has improved 3% efficiency compared to standard AC inverter products or conventional DC motor.



## Sine-wave DC inverter control

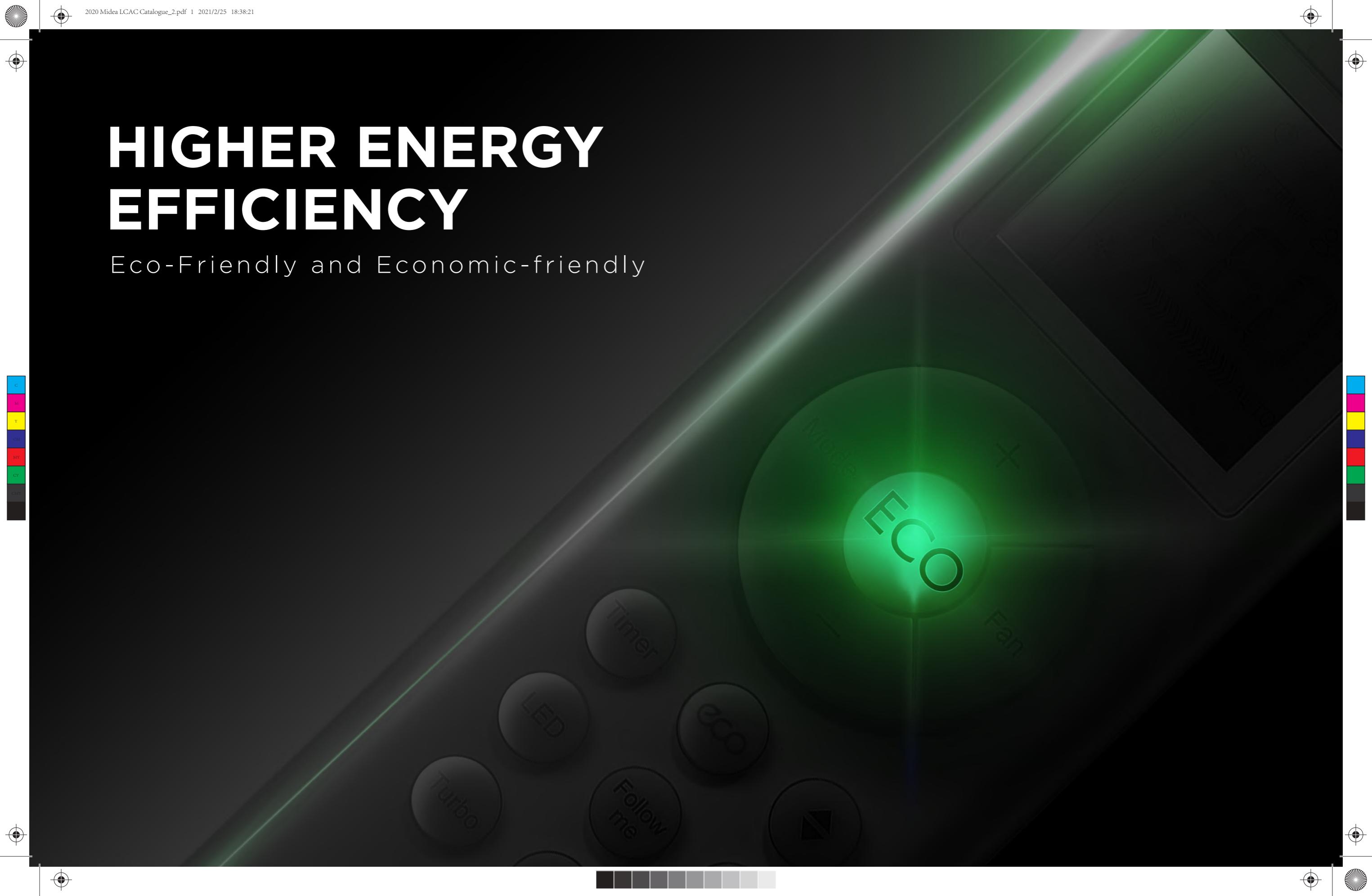
High energy efficiency and low noise operation is realized by using a sine-wave DC inverter control.

## IPM DC Fan Motor

Compared to normal DC fan motor, Midea exclusive IPM DC Fan Motor produces 10% higher efficiency with 35% reduced size by optimizing the motor structure.

Make the best use of the technology





# HIGHER ENERGY EFFICIENCY

Eco-Friendly and Economic-friendly

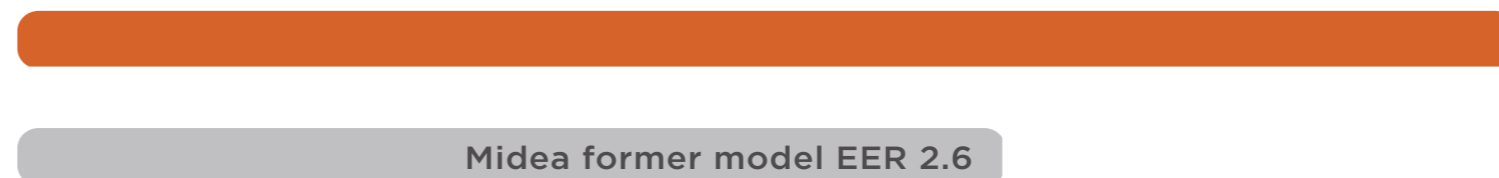




# LOWER POWER CONSUMPTION

Midea's air conditioner achieves EERs of 3.72 for cooling operation and COPs of 4.6 for heating operation thanks to Midea's DC Inverter control and the high efficiency tube of the heat exchanger.

What are EER and COP?  
An air conditioner's EER (energy efficiency ration) for cooling operation and COP (coefficient of performance) for heating operation indicate how efficiently the unit uses energy. A higher EER and COP mean greater energy efficiency. They also mean lower electricity consumption, and of course lower bills.



increase  
**30%**





## Bionic Blower Wheel and Improved Air Duct

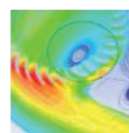
Based on natural models and bionic principles, Midea's fan blade design can effectively reduce airflow resistance and noise. Together with the optimized air duct, it delivers the same air flow volume with 30% less energy consumption.



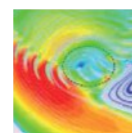
Ordinary fan blade design



Midea high static pressure fan blade design



Standard air duct damper



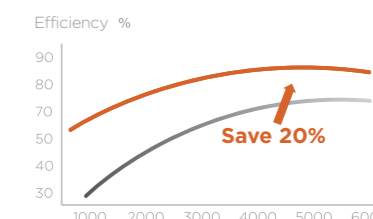
High-efficiency air duct damper



## V-PAM (Vector + I-PAM) Inverter Control

V-PAM inverter control reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology. With this technology, further miniaturization, higher efficiency, and better performance are attained.

## Full DC Inverter Control



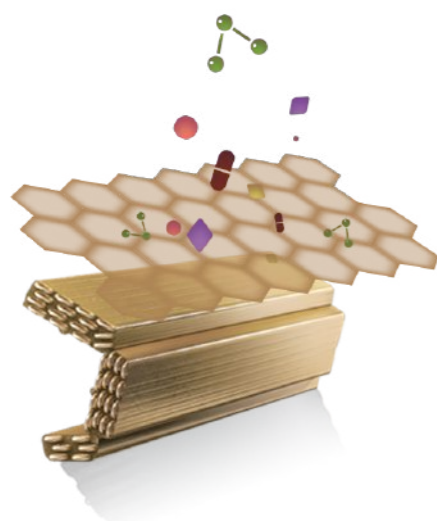
## Twin-Rotary Compressor

The Twin-Rolling compressor system rotating with 180° symmetrical balance which ensures low vibration & noise due to the small torque.

## Inner Groove-Tube

A densely serrated shape has been applied to the copper to enlarge the heat exchange area. The latest heat exchanger has increased the tooth-count from 45 to 54, further improving the efficiency of heat transfer.





## Golden Fin

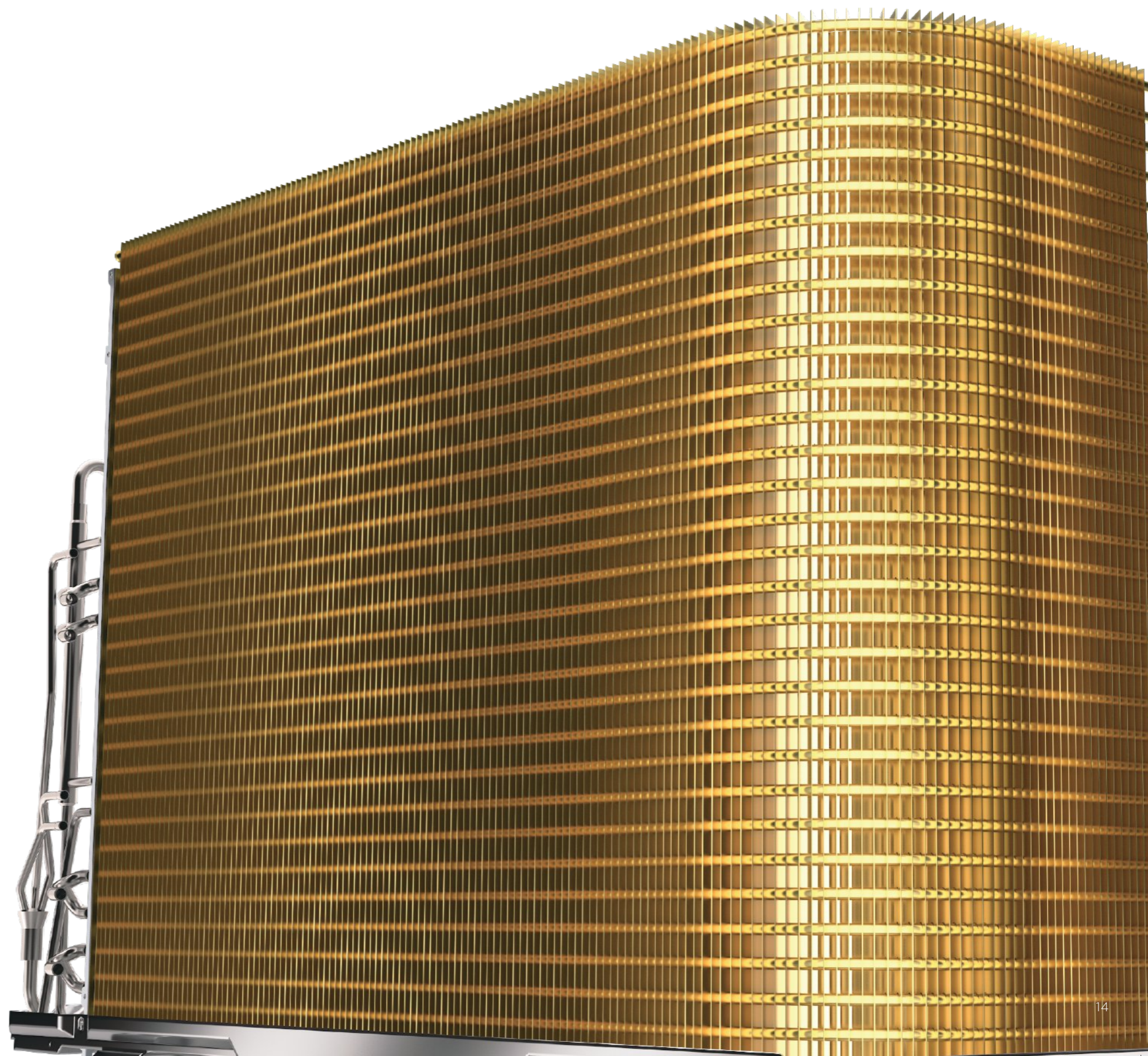
### Intelligent Defrosting Technology

#### Traditional Defrosting Program

Simply operate defrosting in between a certain amount of time, the defrost function may activate even when there's no such needs.

#### Midea Intelligent Defrosting Technology

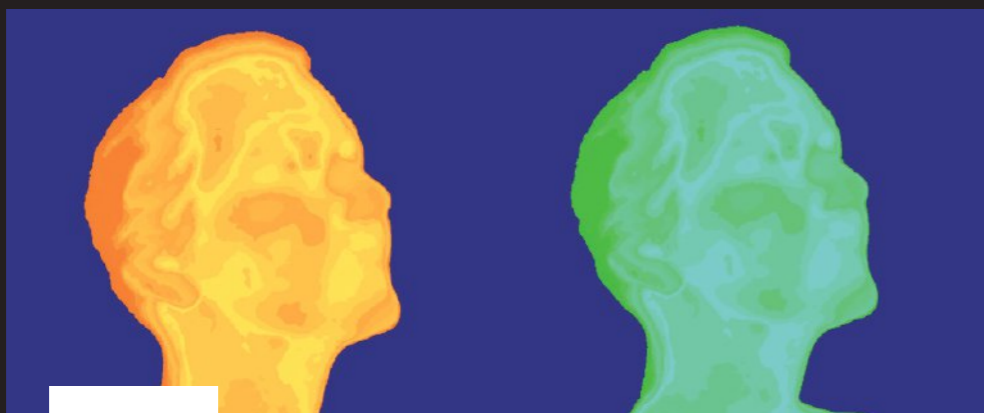
The system considers not only conventional factors, but also air resistance, temperature difference between the outdoor temperature and that of the heat exchanger, to determine the defrost operation. More precise defrost operation frequency avoids unnecessary defrosting and ultimately users can enjoy less energy waste and more continuous heating time.





iECO Mode

One click to limit the maximum frequency current while still maintain the room temperature within the optimal temperature, guarantee a cool night sleep with maximum energy saving.



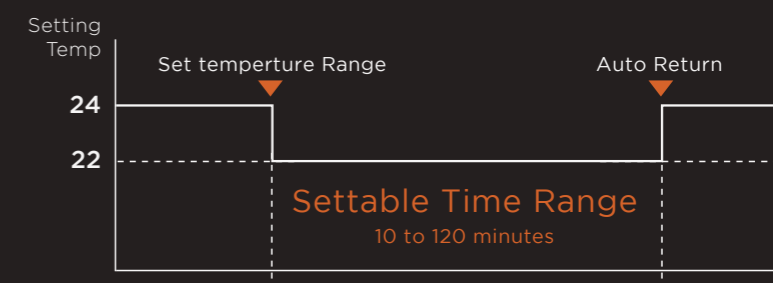
HumanSensor

Human sensor catches movements of people in a room, and operates with lower capacity when people leave the room. When people come back to the room, it automatically returns to the previous operating mode.



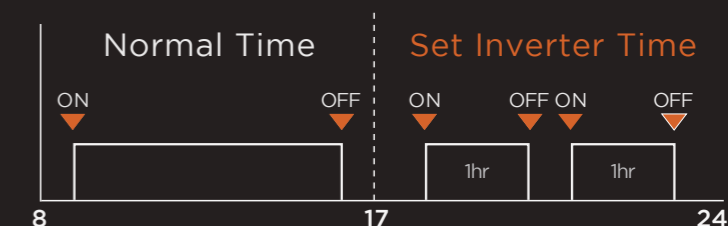
### Automatic Temperature Return

The temperature can automatically return to the previous setting point. This function is especially useful for shops or restaurants that return to a higher temperature after the busy hours.



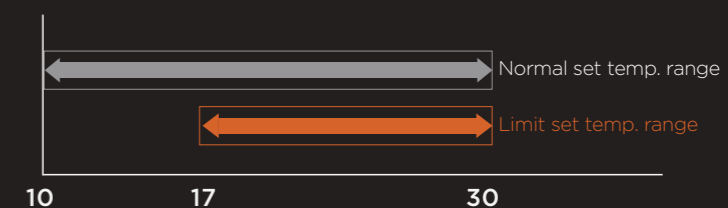
### Automatic Time-off

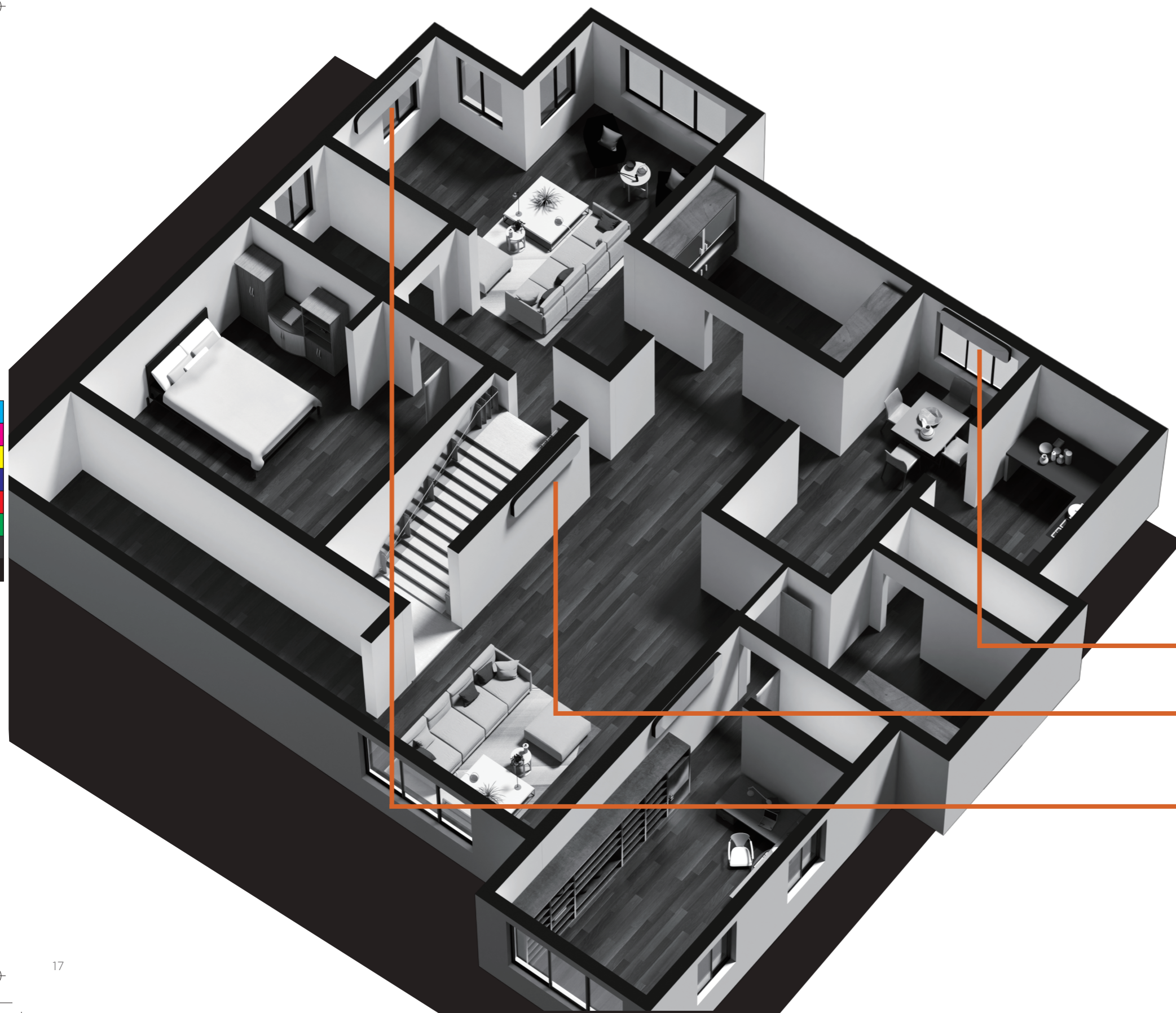
The outdoor unit can automatically turn off when it reaches to the preset operating time frame to prevent energy wasting even when you leave with the AC on.



### Set Temperature Limitation

The minimum and maximum temperature range can be set giving further energy saving while considering the comfort of the occupants.



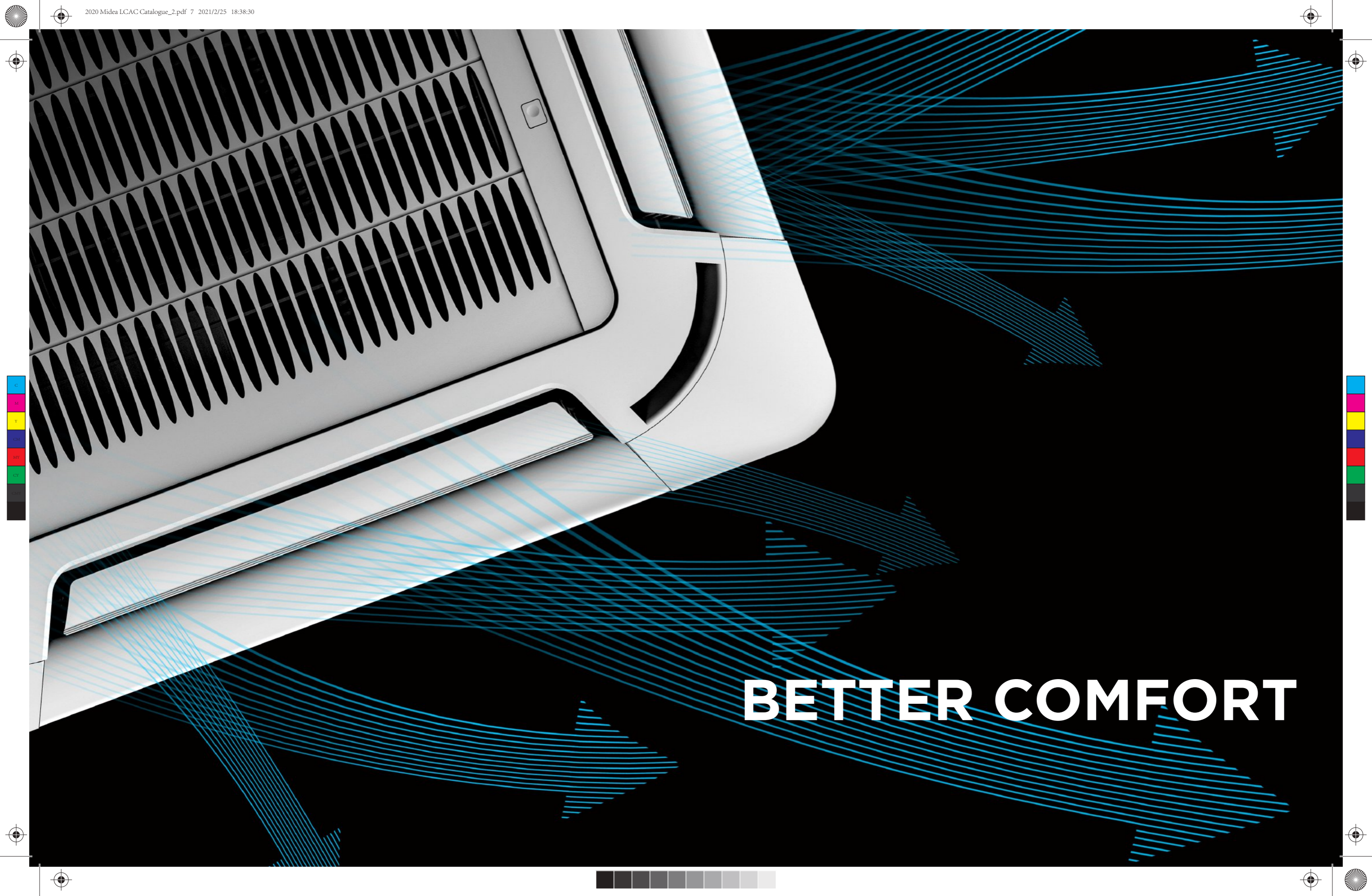


# 30%

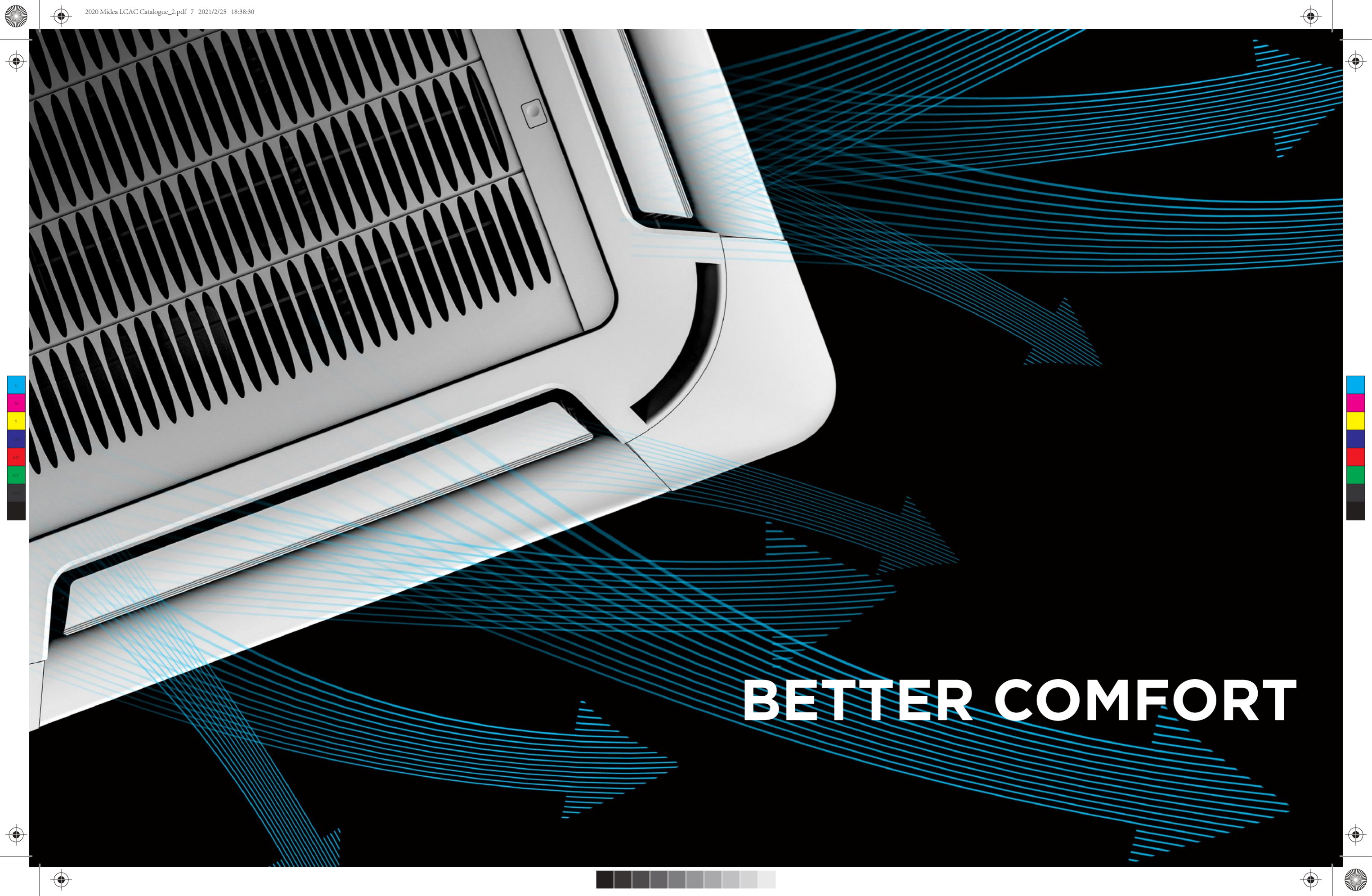
## Higher Energy Efficiency Under Partial Load

Higher efficiency can be achieved through partial output mode of the inverter compressor. In situations only a part of rooms that need air conditioning, the outdoor unit will run with partial output to lower the power consumption. Up to 30% less energy use under partial load.





**BETTER COMFORT**





# LOW NOISE TECHNOLOGY

Midea's air conditioner operates at minimum 19dB(A) low noise level.

## Indoor fan design

The bionic fan blade learn from a nocturnal animal, Night Owl, which's wing is of optimal aerodynamic performance and noisereduction features. By imitating part of this animal's wing, the fan blade design can deliver stable flow, magnifying the airflow while minimizing the noise. It's average 1-3dB(A) quieter than the industry's Top class low noise. Specific to the ABSOLUTE Series.



traditional centrifugal wind turbines



Owl airfoil centrifugal wind turbines

\*Specifications may vary for each model

## Twin-Rotary Compressor



The Twin-Rolling compressor system rotating with 180° symmetrical balance which ensure low vibration and noise due to the small torque.

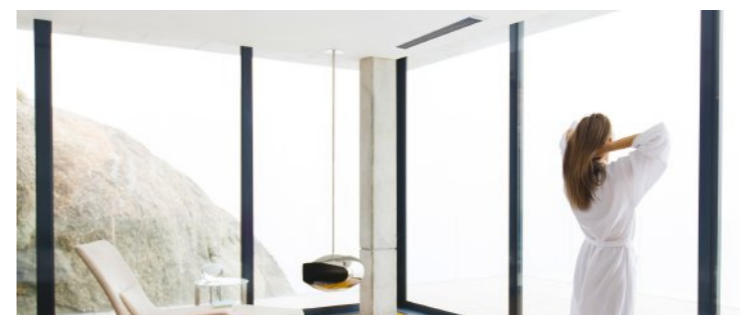


## IPM DC Fan Motor

Midea's exclusive IPM DC Fan Motor feature 35% smaller in size while 10% higher in efficiency, providing substantial air volume and highstatic pressure, while keeping electrical and mechanical noise lower (1-3dB (A) quieter).

## Air Stabilizer in Duct

Low noise duct structure with a built-in air stabilizer.



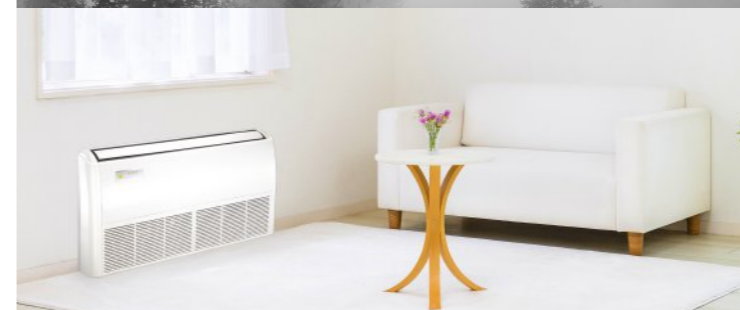
19dB  
MINI DUCT



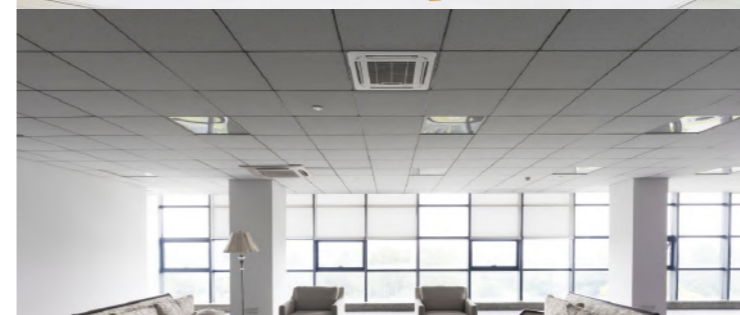
22dB  
LIBRARY



26dB  
FOREST



41dB  
CEILING &  
FLOOR



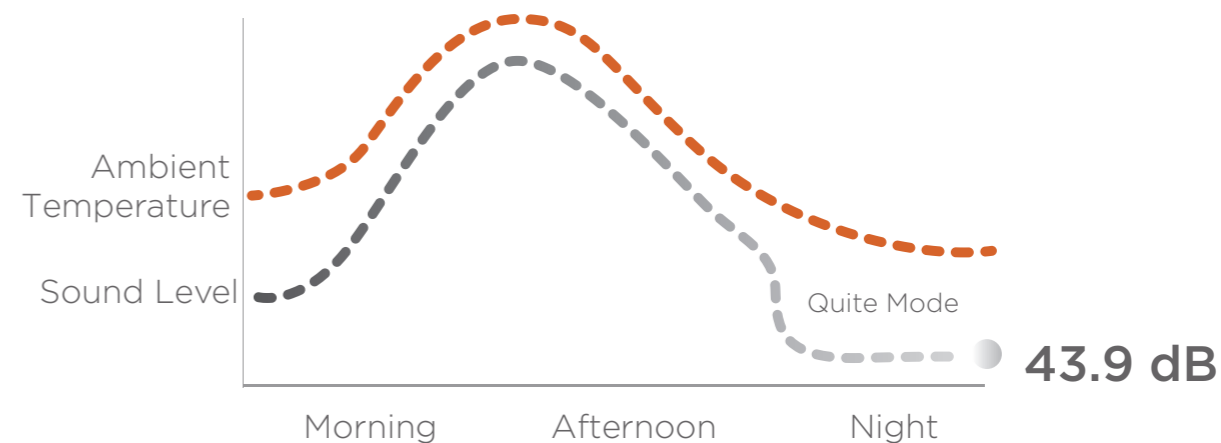
43dB  
CASSETTE





### Low-noise outdoor unit operation

Quiet mode activates when the ambient temperature falls. At the right moment, the outdoor unit will automatically lower the operating frequency of the inverter compressor as well as the speed of the DC fan motor, achieving a minimal 43.9 dB(A) noise level.





**30%**

faster in Cooling

**44%**

faster in Heating

## Fast Cooling & Heating

Thanks to the Inverter Quattro™ technology, Midea's air conditioner can increase the speed to approximately 30% in cooling and nearly 44% in heating while consuming less energy, by accurately sense the temperature difference and adjust the compressor rotation speed to create optimal and comfortable room temperature.

## Benefit and Test Results

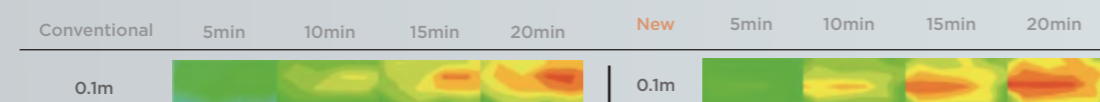
22% Quicker Heating

Conventional

New

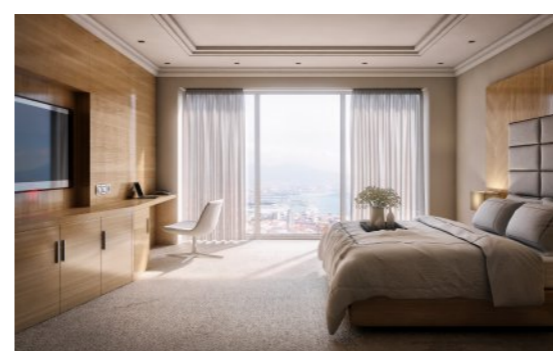
\*Test Conditions  
Outdoor temperature: 7°C,  
Indoor temperature: 12°C.  
Humidity: 87%,  
Remote Control: 30°C Power

### Changes in Temperature Over 20 Minutes



**8°C** HEAT operation

The room temperature can be set to go no lower than 8°C, thus ensuring that the room does not get too cold when not in use.



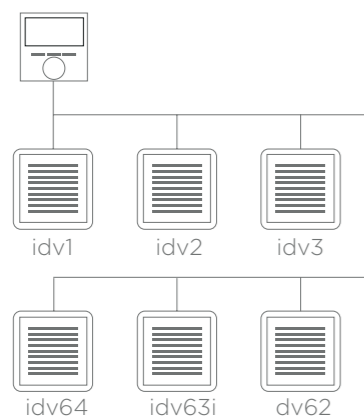
Keeping you steadily cool within

**± 1°C**

## Precise Temperature Control

Thanks to the precise control of the Inverter Quattro™'s micro-chip, Midea's air conditioner can easily maintain the desired temperature by varying the compressor speed without repeatedly turning on and off, keeping you comfortable with steady temperature within 1 °C.





# FLEXIBLE ZONING CONTROL

## Max 64 Centralized Control

Convenient batched control of maximum 64 indoor units setting with one centralized controller.

## Convenient Remote Controller

A variety of flexible remote controller permit individual control of settings such as temperature, air flow volume, and operation duration.



## Weekly Timer

Choose when it should be turned on/off and repeat the weekly time schedules, so you can enjoy the cool an refreshing air whenever you want and make the best of your AC in a unified management.





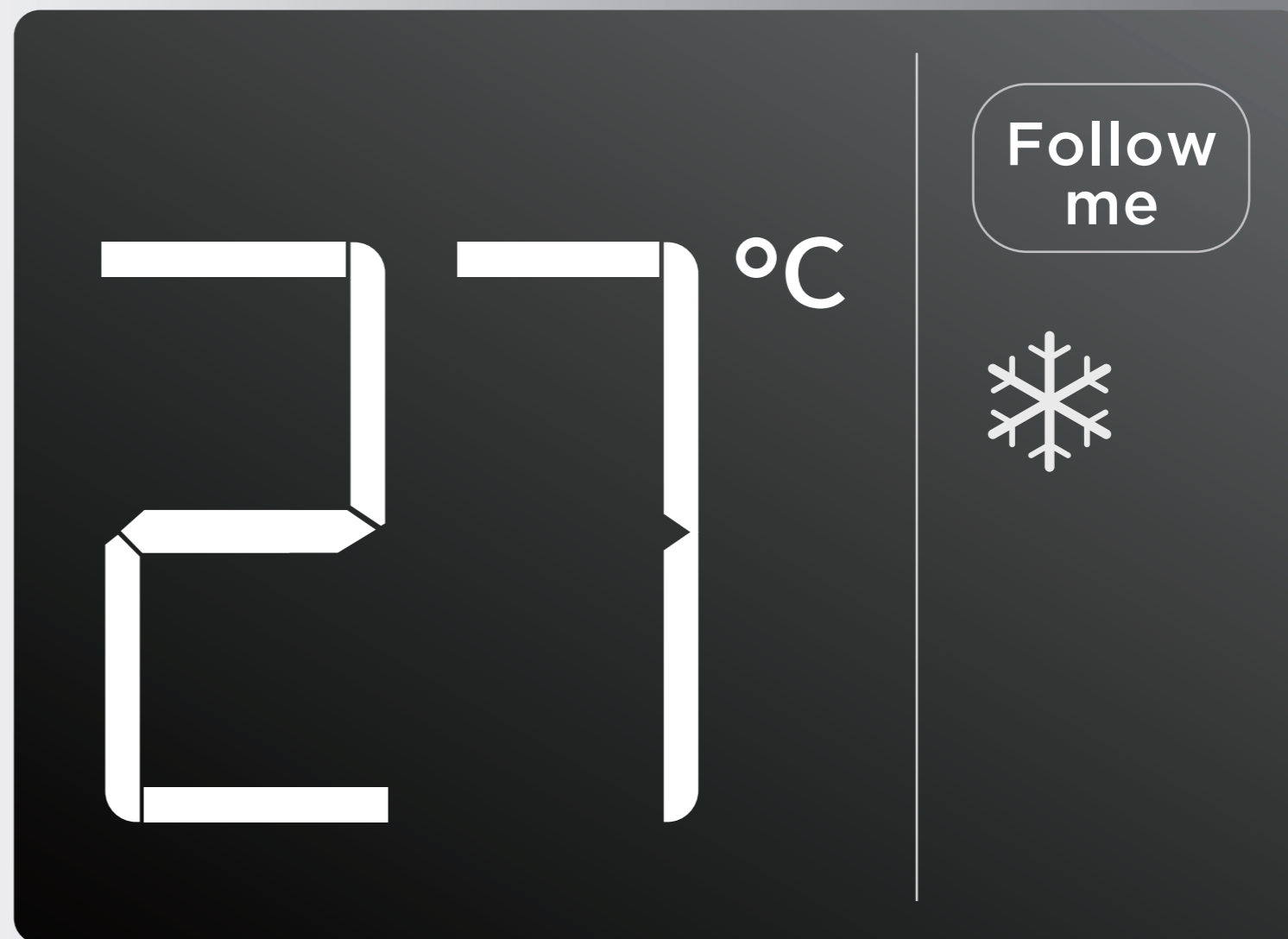
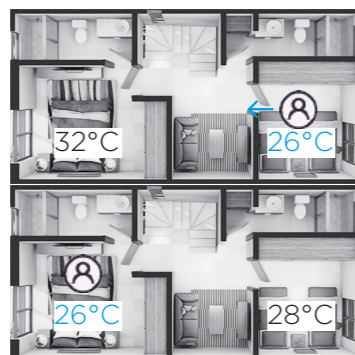
## Sleep Mode

The Alpha energy chip gradually changes the room temperature by 1°C per hour for the first 2 hours then maintain the current temperature for the next 5 hours. This function enables both energy saving and comfort at night.



## Follow Me

Keep the remote control close to you and press the 'Follow Me' button, and the air-conditioner will auto-calculate the temperature of the air around you and ensure the temperature of the air cool enough around you.





# HIGHER RELIABILITY

Worry-Free and Guaranteed for Life

Midea's AC system offers greatly improved reliability for all weather conditions, reducing calls out to site.





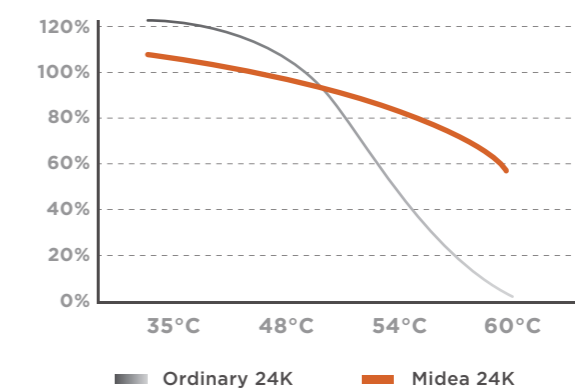
# 60°C

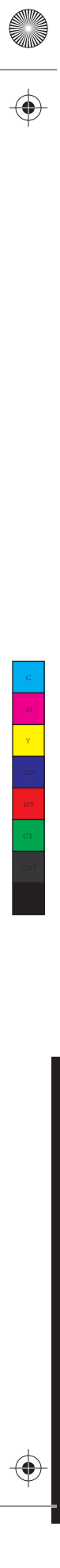
## High Ambient Cooling

Even at the hot temperature of up to 60°C, the Midea Inverter compressor can still operate effectively, providing optimal cooling to the room without any interruptions.

- Wide frequency range: 15-105Hz
- Resistant to wide voltage fluctuations: 170-270V
- Fastest air-outlet temperature: reduces from 28.5°C to 21.8°C within 30s

\*Tested in Midea test lab. Data has been measured under specific testing conditions and results may vary based on environmental factors.

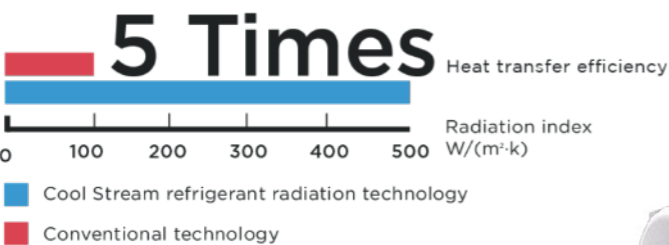




# An AC Inside the AC

## CoolStream Technology

The Midea exclusive refrigerant circuits use improved refrigerant radiation technology to prevent the PCB board from overheating. When the outdoor units is operating at the high ambient temperature, the PCB is cooled down with IceCircuit, so the PCB components are kept in a much stable temperature and maintain higher cooling capacity than the conventional air cooled PCBs.



# Dominate The Heat

## Compressor High Racer Frequency Technology

Like a runner sprinting to the line, this tech enables the compressor to achieve maximum frequency in split of the moment upon start up, providing powerful cooling once the air conditioner is on.



# True **AGSI** Turbo Compressor

## Self-adaptation Injection

- Optimized channel and patented one-way valve structure.
- Adapted-gas dynamic injection, delivering exact amount of vapor to the system's real need, according to the system's temperature and pressure.



Units Operation Time



System Temperature



Cycle Periods



Ambient Temperature



Units Operation Status



## IMELT LOGIC

### Tailored To The Extreme Cold Ambient Condition

#### ■ Intelligent Activation

A complex algorithm is applied to decide when to activate the program, preventing unpleasant interruption of consistent heating.

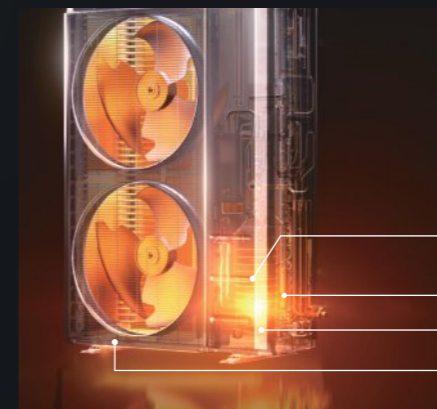
#### ■ Intelligent Program Exit

The program will stopped not according to time but only when it reaches to a certain so that ice can no melt up and heating performance is optimized.

#### ■ Enhanced Defrosting Performance

More efficient and thorough defrosting cycle to guarantee the stable operation and heating performance of the M-powevi unit.

## TORRID CABINET



Therma Drive

The EVI Techonlogy

**AGSI** Compressor

Base Pan Heater

# M-POWEVI

## THE TRUE AGSI

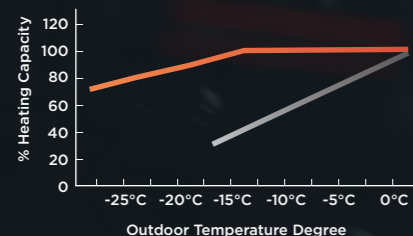
### TURBO COMPRESSOR INSIDE

100% HEATING OUTPUT CAPACITY AT -20°C

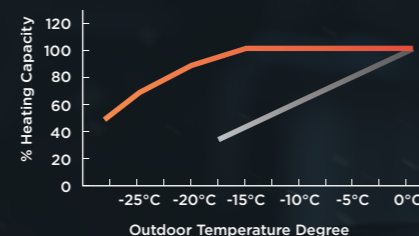
PEAK PERFORMANCE

**-20°C**  
**100% OUTPUT**

M-Powevi Single-split System Heating Capacity At Low Temperature



M-Powevi Multi-split System Heating Capacity At Low Temperature



PEERLESS EFFICIENCY

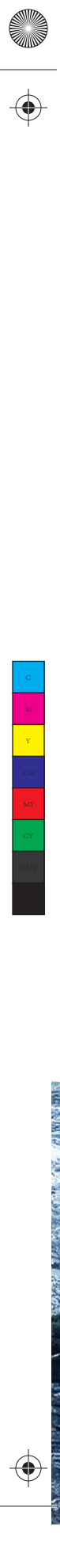
**COP 2.0+**  
**100% OUTPUT AT -20°C**

**49% ↑**



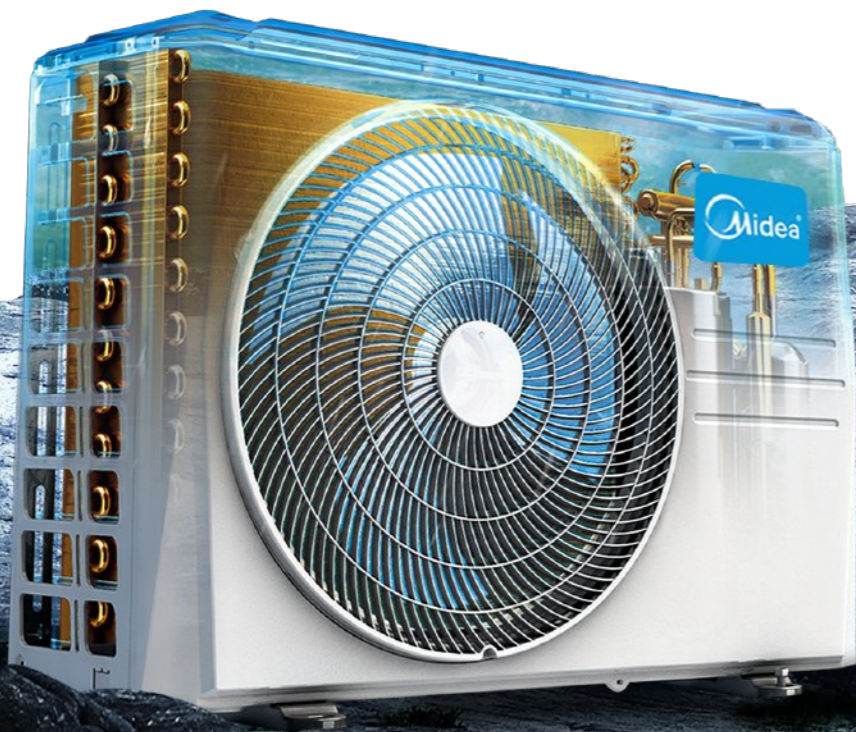
**26% ↑**





# A HIGH STANDARD SUMMONS A GREATER CHALLENGER

Damp And Salty Areas



**72**-hour  
ammonia water test

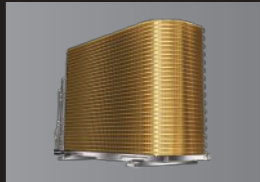
## High Stress-corrosion Resistance

Midea conducts 72-hour anti-stress-corrosion testing for core copper components, exceeding normal 4-hour testing standards by a factor of 18. Results demonstrate that Midea's copper core components perform 15 times better on average than competitors in stress-corrosion resistance.



## Golden Fin Coating

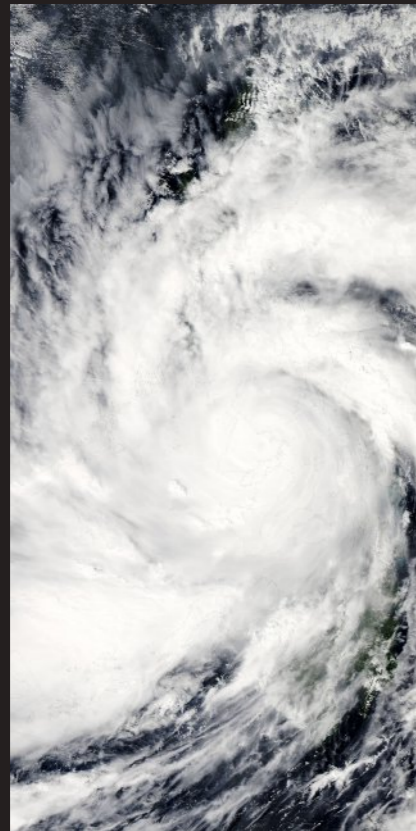
68% stronger hydrophilicity and 3 times higher corrosion resistance compare to the conventional heat exchanger. The patented PrimeGuard™ Coating protects the surface of the heat exchanger from unnecessary wear and corrosion while ensure high efficiency.



**1000**  
-hours Salt Spray Tests  
and

**3000**  
-times  
Wetting-drying Tests





## Typhoon Areas

Stable operation  
even in the face of

**Force 12** wind

### Battle Against The Hurricane

For the Midea OUD, application of a patented algorithm keeps detecting the level of wind pressure on the blade, then processing data and sending instructions to the PCB so that to in-timely adjust the electric power delivered to the fan motor, ensuring the unit's optimal operation in the windy weather. The dynamic adjustment of electric power guarantee the fan motor always functioning well and save, providing constant coolness, regardless of the strong interference even Force 12 Wind.

## Extreme Cool And Heat Areas

### Military-grade Test Standard

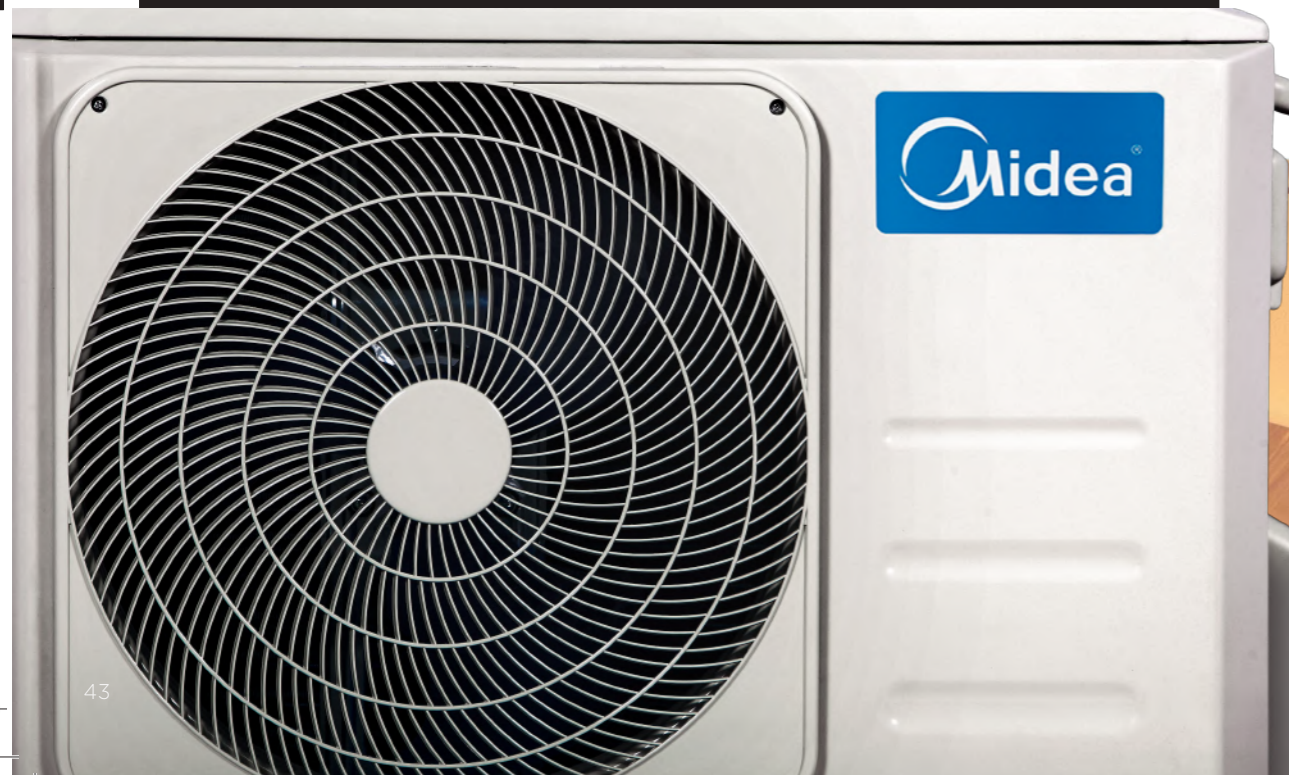
#### Thermal Shock Tested PCB

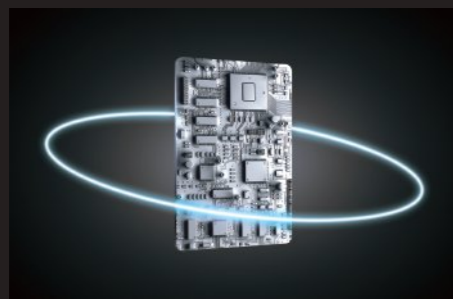
The Midea PCB adopts rigorous testing standards in terms of thermal shock test which parallel to that of the military aero engine, so the PCB stands up extremely cool/ hot conditions with efficient operation.

### Multiple Indicators To Guarantee The Optimal Performance

#### Extreme Condition Cooling/ Heating

Midea take into account various indicators as the testing criteria for extreme condition operation. Except for the air-con's continuously running, the level of the compressor discharge temperature, system pressure and operation speed will also be made sure within the standard scope to guarantee the overall reliability of the units.





### PCB Protection Design

For better protection of the PCB, using the military grade rubber resin material as coating, further enhance the PCB's resistance to acid and alkali elements (rain and humidity).



### Full Surrounding Design E-box

The indoor unit E-box is fully surrounded by the flame retarding plastic & metal plate material as protection against fire, humidity or small animals.



### Continuous Operation of IDU

Each indoor unit is controlled individually on the system network. This allows all indoor unit will continue to work even if an error might occur at any indoor unit's on the AC system.

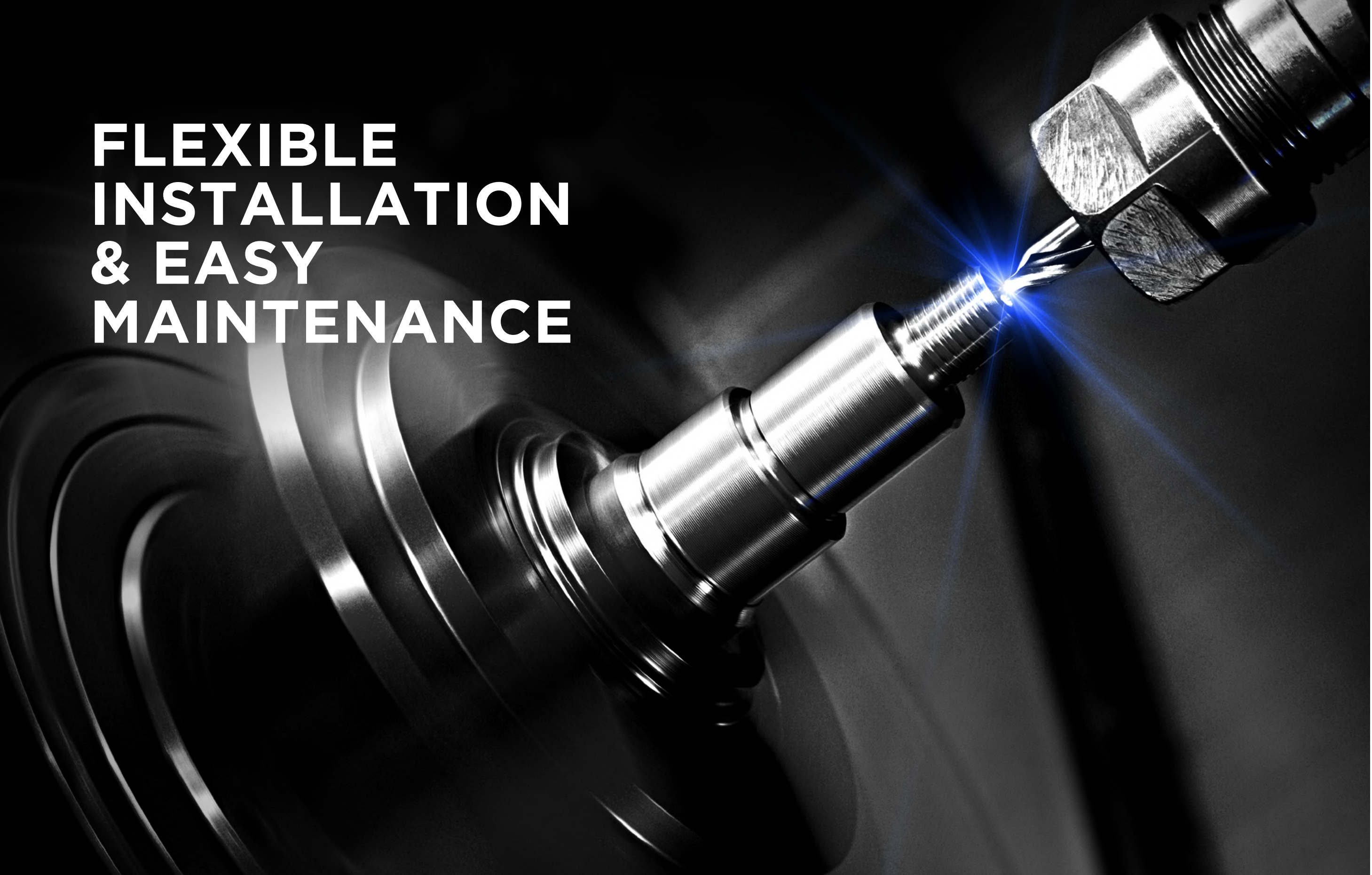


### Wide Voltage Operation Range

The Midea PCB was enhanced to increase its ability to withstand the widest voltage fluctuations from down 150v to 260v, thus ensuring your air conditioner stably running under wide voltage operations without a separate voltage stabilizer.



**FLEXIBLE  
INSTALLATION  
& EASY  
MAINTENANCE**



# EASY INSTALLATION

## Compact Outdoor Units Design To Save Space

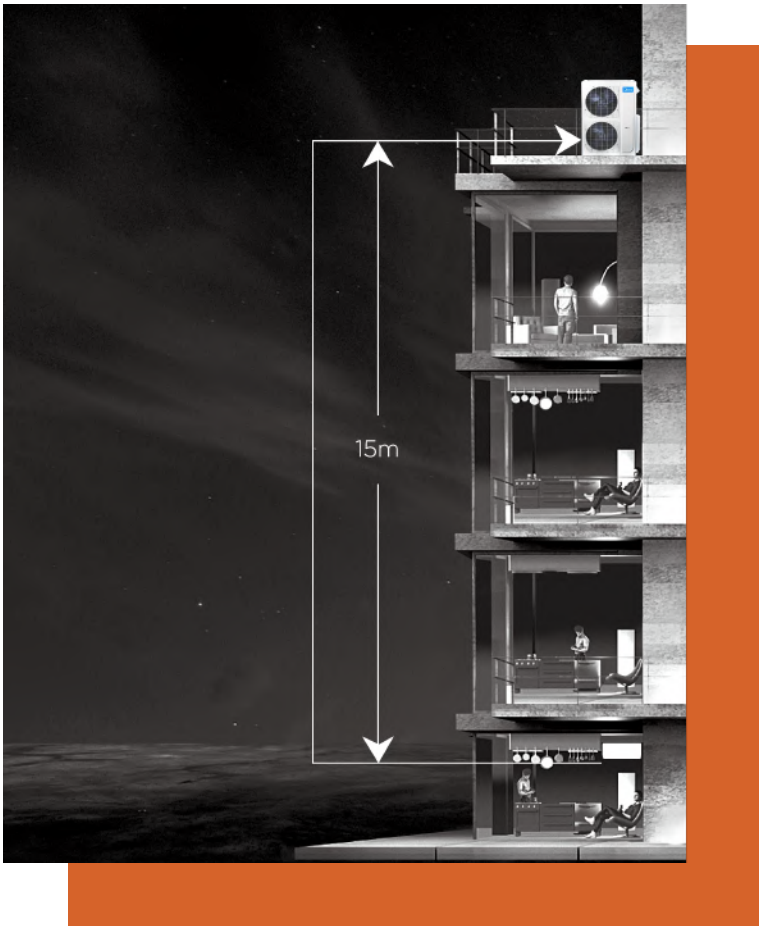
With weight reduction of up to **18%** and size reduction of **8%** Midea's unit is easier to carry, flexible to install, takes up less space and minimum visual impact. The system can connect up to **8** indoor units to a single outdoor units depending on the model, reducing the on site installation workload while providing heating or air conditioning capacity efficiently.

## Long Pipe Makes Faster On-site Installation

The ample maximum piping length of 65m permits more freedom in the placement of air conditioner units and facilitates the optimization of the interior space.

### Multi-split

Outdoor Units	Max.Length	
	Length	Height Difference
1 drive 2	30m	15m
1 drive 3	45m	15m
1 drive 4	60m	15m
1 drive 5	75m	15m



### Single Split

Max. Piping	
Length	Height Difference
65m	30m

# EASY MAINTENANCE

## Easy Replacement Technology

The Midea system features easy replacement technology that reusing the original pipes (even it's for other brands) is possible, rids you out of the trouble of removing and re-piping.

## Redesigned Easy Accessing Components

### ▪ Status and Error Display

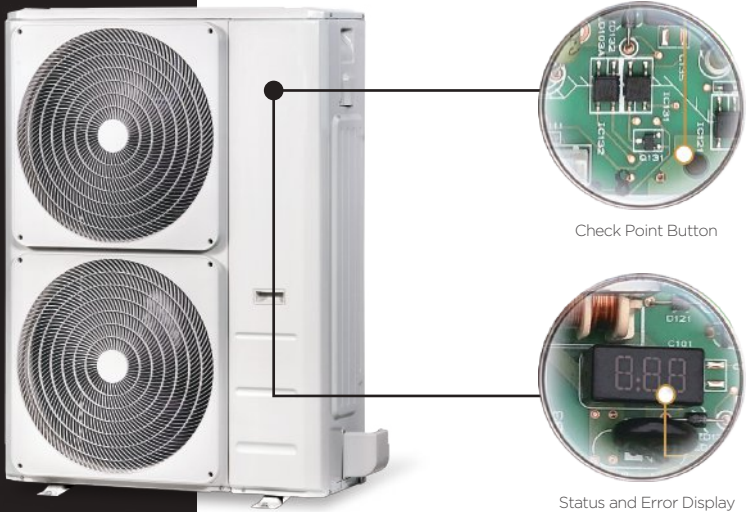
Removes the need to check all parts for the cause of the problem,thereby allowing the error to be found right away

### ▪ Check Point Button

Press this button to check current operational parameters while the unit is running for simpler debugging.

### ▪ Front Plate Easy Accessing Structure

The PCB is separately installed from the main board, and therefore any inspection, daily maintenance or component replacement of the PCB is within reach without disassembling the entire PCB board.

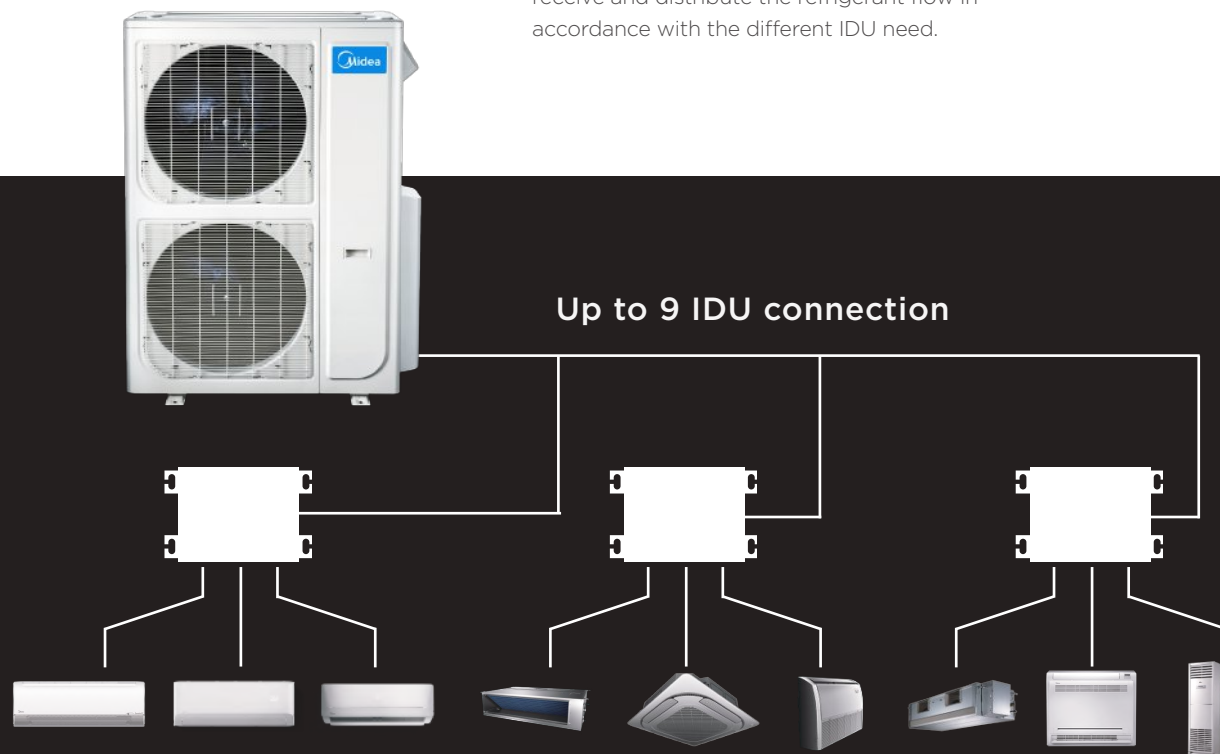
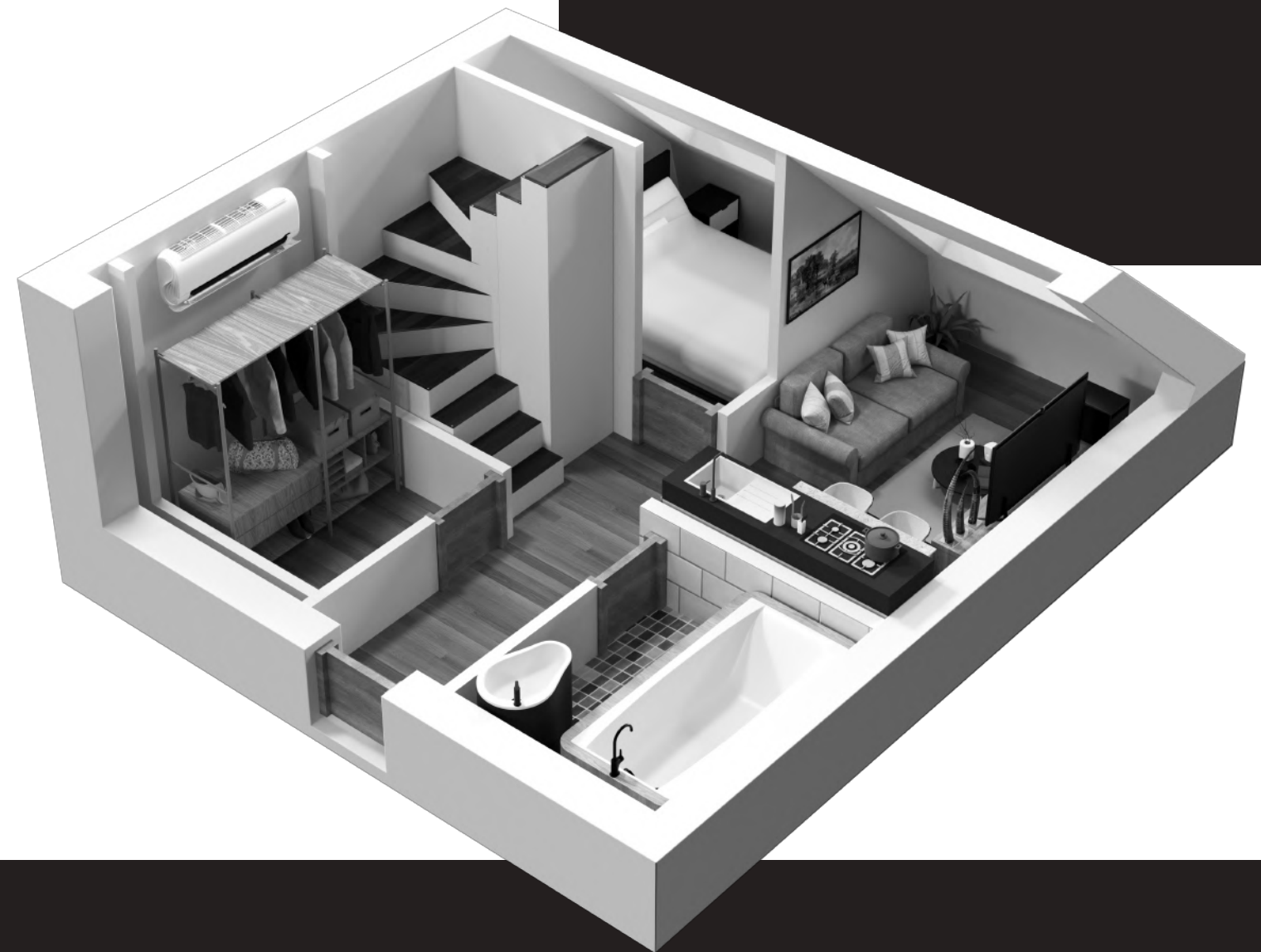


# ZONING PILOT UNIT

Ultimate Solution For  
Zoning Air-Conditioning

## The Advanced Zoning Pilot Control System

Uniformly collects and processes the demands from the IDUs, then conveys to the ODU, instructing the compressor to generate matched amount of refrigerant. Conversely, the Zoning Pilot Unit will receive and distribute the refrigerant flow in accordance with the different IDU need.



## Benefit:

### Standardized match to all kinds of Midea IDU

Connect all kinds of Midea IDU to a normal ODU with no limitation

### - Easy installation, inspection and maintenance

The screw nuts joint makes installation easier and quick; also with all the EXV are installed in the ZPU, to maintain, repair, add or subtract are simpler and more efficient.

### - Flexible product solutions for diverse needs

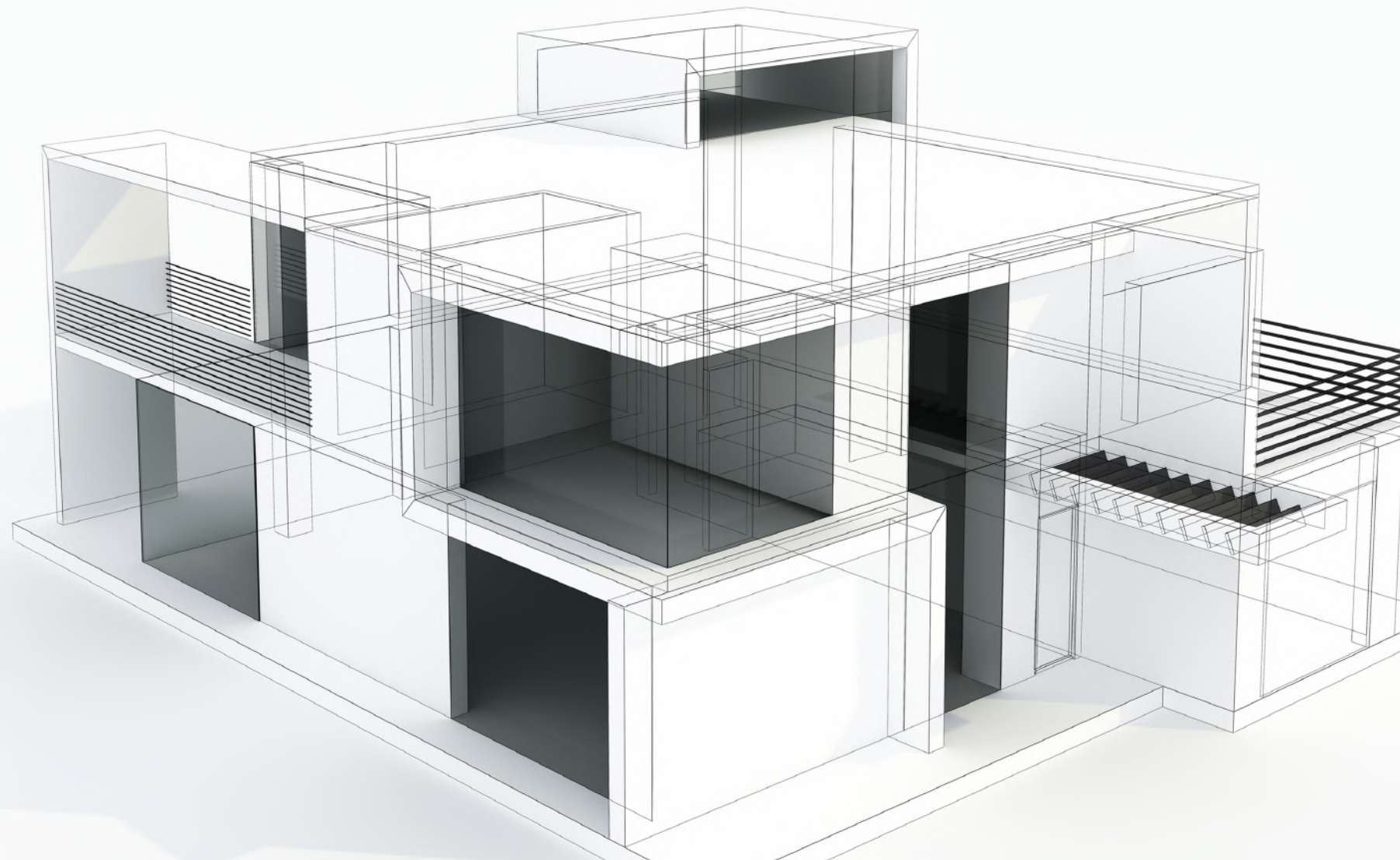
Every Midea IDU (under 24K) can be combined into a Single-zone or Multi-zone product solutions, providing ultimate flexible service plan for your end consumer.

### - Flexible zoning layout change

Midea system enables flexible shifting from single zone to multi zone, and vice versa, thanks to the all-product-match ZPU. For redesigning house layout and replacement of IDU product, all you have to do is to simply add/reduce you IDU items without change your ODU product.

# 02 MIDEA SPACE SOLUTIONS

- Restaurant & Shops
- Small Offices
- Hotels
- Schools
- Residences





# 24-HOUR SOLUTIONS FOR ALL OF LIFE'S SCENES

A quiet, comfortable space at work  
The friendly, airy restaurant you like to drop by  
The living room where you pass leisure time with loved ones  
Your bedroom, for a good night's sleep...

Midea's lineup of air conditioning products have all the scenes of your life covered – from business space to private space – creating an optimal environment for you around the clock. Midea offers a line up of air-conditioning products that have all your life scenes covered – from business to private space, creating the optimal environment for you in 24-hours.

## From Business Space To Private Space

### Light Commercial

Comfortable, economical, easy-to-maintain air conditioning systems for small to medium-sized buildings.

### Restaurant & Shops

### Small offices

### Hotels

### Schools

- Split
- Simultaneous Split

### Residential

A wide range of air conditioning products with humanized features and convenient control that cater to different needs of various family members

### Residences

- Split
- Multi Split

# RESTAURANTS & SHOPS

Midea's total air conditioning options create the perfect ambience for restaurants and shops by combining functional and stylistic features. The minimal design of the DUs' appearance allows them to blend naturally into any modern environment, while different systems provide ideal experience for high density of customers.

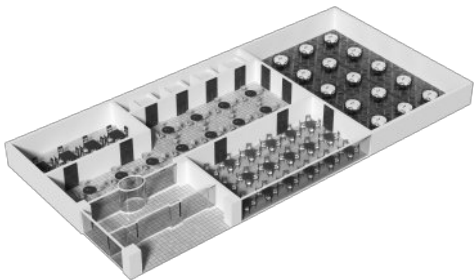


Restaurants



Shops

## ■ SINGLE SPLIT



### The Beauty of Invisible Comfort

A lineup of duct type and cassette type systems that can provide appropriate air conditioning for large space with high ceiling and glass-sided without overwhelming the design aesthetic of the interior.



High Static Pressure  
A8 Duct



Medium Static Pressure  
A6 Duct



Super slim cassette



Compact Cassette

## ■ SIMULTANEOUS MULTI



### Twin Systems with Sync Control

Midea twin system is design to lend support to space with unusual floor layout like shops and boutiques. By placing the indoor units according to the layout shape, ideal comfortable air flow distribution can be realized.



Slim Duct



Medium Static Pressure  
A6 Duct



Ceiling & Floor



Compact Cassette

## ■ SIMPLE INSTALLATION OPTIONS



Floor/ceiling and floor standing type allow quicker and simpler installation, easier daily maintenance while providing the satisfied comfort to every customer in the space.



Ceiling & Floor



Floor  
Standing  
GA

# SMALL OFFICES

Midea offers total air conditioning systems for small-sized offices buildings, taking into account energy saving, low noise, comfortable airflow, small room application and centralized control, ensure optimal experience in every corner at work.



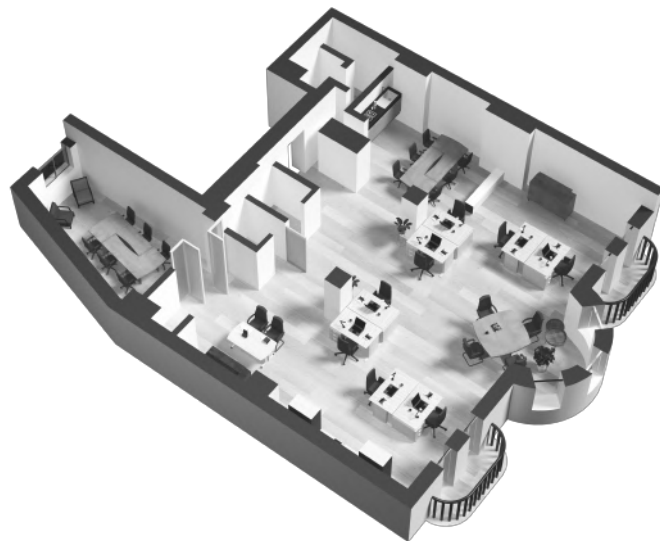
## ■ HARNESSING THE AIRFLOW

The Cassette brings a whole new level of control and comfort. The 4 way outlet can be adjusted to Brezeless, wind-avoid, wind-direct mode separately individually, catering to different needs in the office.

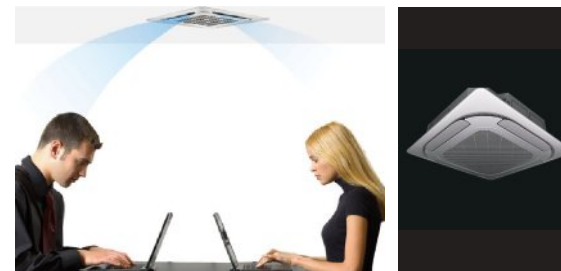
The Intelligent Eye sensor can automatically identify indoor human activity, powerful cooling will be activated only when there're people in the room, otherwise the air-con will operate at the low speed. Keeping energy saving without sacrifice the cooling comfort.

Up to 20% outdoor refreshing air can be continuously brought into the office spaces with a high degree of airtightness, keeping both your breath and mind fresh.

The innovative external water pump structure and exquisite craftsmanship leads to significant energy efficiency improvement and installation simplification.



## ■ CASSETTE



## ■ A FULL PORTFOLIO TO MEET A WIDE RANGE OF NEEDS.



High Static Pressure  
A8 Duct



Medium Static Pressure  
A6 Duct



Console



Compact Cassette

## ■ MIDEA PROVIDES MULTIPLE CONTROL OPTIONS TO SUPPORT FLEXIBLE MANAGEMENT AND IMPROVED OPERABILITY.

### Individual Control

Individual freedom to operate the air conditioners at your desk with remote control, or with a PC, Smartphone or tablet.

### Zoon Control

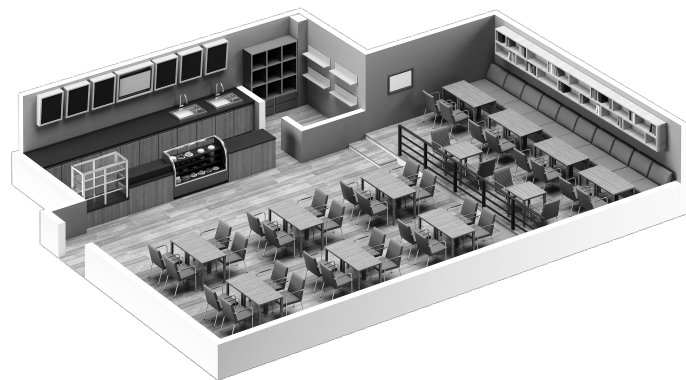
Centrally control to guarantee more stable room temperature management and energy saving settings.

### BMS Support

Help the administrators to systematically operate the entire building facilities, from lighting to air conditioning, creating the optimal environment for work.

# HOTELS

Total air conditioning solutions for hotels of all types and sizes. Fresh air, a quiet environment, comfortable airflow, and a range of climate control solutions give your guests the perfect stay. Cost saving is easy with our market-leading energy saving and easy maintenance features.



## FOR PUBLIC SPACES



High Static Pressure  
A8 Duct



Cassette

Ultra-large duct and cassette type single split system suitable for large spaces with high ceiling like the reception and lobby.

## An efficient solution in a range of capacities



12K - 60K

Our compact design units is efficient in several different capacities to drive down costs and energy use.

## Small Yet Versatile

Up to 8 indoor units can connect to a single outdoor unit depending on the outdoor model. Our compact outdoor unit does not take up much space even if installed on the rooftop. So your hotels façade won't be affected.

8% smaller size



New product



Conventional product

## FOR GUEST ROOMS



All Easy Split AC



Low Static Duct

Guest room air conditioner with excellent comfort, energy saving and easy installation.

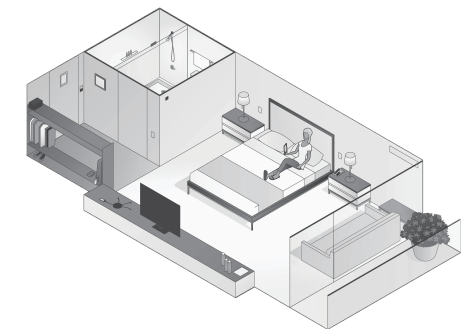
## All Easy Split AC

Minimizes the installation process to only 3 steps, saving up to 20% time of labor.

## Low Static Duct

The new Low Static Duct has reduced 12% size with only 210mm height and 300mm depth, making it easy to install in narrow and small ceiling. Allow duct connection from both sides and bottom side, offering the maximum flexibility for installation.

The full DC inverter system allow 20% energy saving compare to the AC motor model, and super quiet operation at up to 19dB(A), guarantee a good night sleep for your guest.



## Card Key Switch Available

Using the card key prevents you from forgetting to switch off the air conditioner.

## Door Control Support

Hotel reception can turn on/off the air conditioner in the room just at the front desk. To adjust room temperature in advance for the guest, or to efficiently manage the facility become possible.

## Remote Control with Intuitive UI

Easy-to-read LED screen, friendly UI, and clear operating instruction allows your guest to adjust the room air conditioner settings intuitively.

# SCHOOLS

Flexible to install and convenient to maintain, total air conditioning solutions for schools are designed for both small spaces like dormitories and large spaces like libraries.



## CANTEEN, AUDITORIUM AND SHARED PLACE



High Static Pressure Duct



Medium Static Pressure A6 Duct

### Enough and Even Airflow Volume for Every Zone

With the AeroStic technology, professional algorithm is pre-programmed to do the mathematic and matching job. It can automatically figure out the needed static pressure from the different pipes of various length, then instructing the DC fan motor to deliver even and enough airflow volume to every zone, optimal comfort is guaranteed for everyone in the space.

The technology also helps to save a lot of manual measurement and calculation during installation, and so to save the costs.

## LIBRARY



Cassette

### Absolute Quiet for Even the Most Demanding Condition

With Midea's exclusive innovative structure, the Cassette has achieved 20dB(A) ultra quiet operation while at same time with 23% more airflow delivering(compare to the conventional model). That means you can enjoy the ultimate tranquility even in the most demanding conditions without sacrifice the cooling effect.

## DORMITORY

### Wall Mounted



System Controller Lite



## A RANGE OF INDOOR UNITS



Slim Duct



Ceiling & Floor



Standing

### Various Indoor Units Options with Convenient Control Systems

Midea provides a lineup of indoor units that provide all-rounded solutions to every school life scenes – from normal classrooms and staff office to the, as well as the lighting facility of the building, student dormitory. Accompany with multiple control systems. It's possible to perform centralized control of up to 64 indoor units is helpful in energy saving and facility maintenance.

# RESIDENCES

Midea provides products that match your spaces and the rhythms of your life, from living rooms where the whole family relaxes to small rooms such as bedrooms and children's rooms.



## FOR LARGE LIVING ROOM OR DINING ROOMS

### Low Static Duct

provides discreet air conditioned comfort throughout your entire space. Minimum to 19dB(A) quiet operation clears away the unwanted noise distraction during your leisure hours with your friends and families.



## FOR MASTER BEDROOM, LIVING ROOM OR KIDS ROOMS

### Breezeless Split AC

Feel the temperature, but not the wind. With the whole new design can deliver ultimate without direct blowing comfort even for those most demanding.



## FOR SMALL ROOMS OR HOME OFFICES

### AF Inverter Split AC

High performance and compact design model for compact spaces such as bedroom or home office.

### Console

Flexible installation is possible in bedrooms and rooms. Individual wide airflow by 2-fan can comfort you from head to toe.



## OUTDOOR UNITS SUITABLE FOR RESIDENTIAL ENVIRONMENTS

Line up of multi type for air conditioning from 2 rooms to 8 rooms with one outdoor unit in apartments where it is difficult to secure space for the installation of outdoor units.





# 03

## PRODUCT INTRODUCTION





# SPLIT OVERVIEW

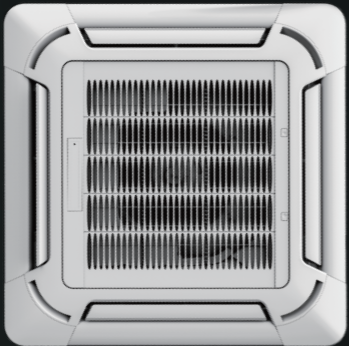
## Wall Mounted

Midea's wall mounted flagship models feature easy installation, ultra energy saving and all new breezeless-comfort airflow. At the same time, their elegant and simple designs allow them easily integrated into any modern interior.



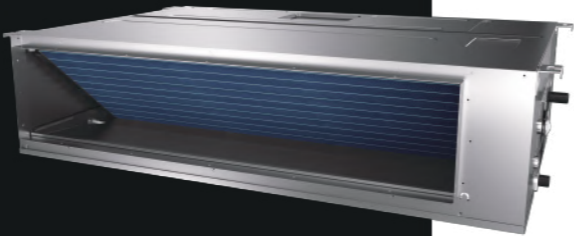
## Cassette

The unit delivers excellent coverage with a wide distribution of air, making it ideal for use in large spaces. We have a variety of series including Compact models offers the convenience of being spacing saving yet powerful and Round Flow models that deliver air in 360° directions.



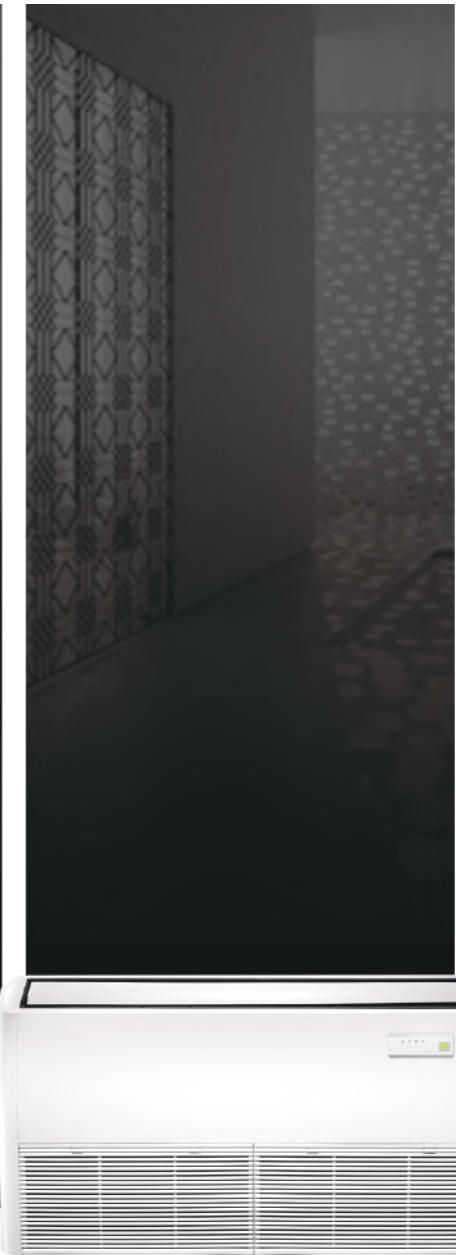
## Duct

The main unit of this type offering the most discreet air conditioning. We have Mini Duct and Low Static Pressure Duct models that allowing convenient installation in narrow spaces in beams or above the ceiling. The High Static Pressure Duct models guarantee maximum comfort in the large space. The outdoor unit's air inlet and outlet can be routed through the rear or bottom of the unit, easily adapting to the structure of the building and room.



## Console

Floor type with compact and slim design is suitable for installation in both residential and commercial. The deflectors intelligently direct cold air up and hot air down, setting the perfect temperature quickly and efficiently, and without blowing air directly at people.



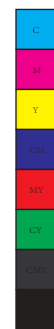
## Ceiling & Floor

Two types of installation method – floor installation and ceiling installation – can be selected. This model has a compact design and streamline appearance, making them easy-to-match to various installation conditions.





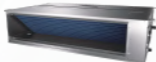




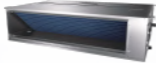


## Floor Standing

Equipped with a powerful DC motor and a large-diameter centrifugal blower wheel to achieve an airflow of up to 2300 m³/h, ensuring optimal comfort widely throughout the room. The sleek appearance, easy clean filter, and intuitive control make them friendly to both staffs in the office places or in the commercial places.



# LINE-UP 2020

East Europe



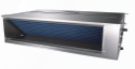





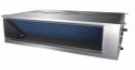



Product Line	Series	Appearance	Type	9K	12K	18K	24K	30K	36K 1ph	36K 3ph	42K 1ph	42K 3ph	48K 1ph	48K 3ph	60K 1ph	60K 3ph
On/Off Heat Pump	Compact Cassette		T1, R410A, 50Hz, On/Off, Heat Pump		●	●										
	Super Slim Cassette		T1, R410A, 50Hz, On/Off, Heat Pump				●		●				●			●
	Medium ESP Duct		T1, R410A, 50Hz, On/Off, Heat Pump		●	●	●		●				●			●
	High ESP Duct		T1, R410A, 50Hz, On/Off, Heat Pump										●			●
	Ceiling & Floor		T1, R410A, 50Hz, On/Off, Heat Pump			●	●		●				●			●
	Outdoor		T1, R410A, 50Hz, On/Off, Heat Pump		●	●	●		●				●			●
DC Inverter Heat Pump	Super Slim Cassette		T1, R410A, 50Hz, DC Inverter, Heat Pump				●		●				●			●
	Medium ESP Duct		T1, R410A, 50Hz, DC Inverter, Heat Pump				●		●				●			●
	Ceiling & Floor		T1, R410A, 50Hz, DC Inverter, Heat Pump				●		●				●			●
	Outdoor		T1, R410A, 50Hz, DC Inverter, Heat Pump				●		●				●			●





# LINE-UP 2020

Europe














Product Line	Series	Appearance	Type	9K	12K	18K	24K	30K	36K 1ph	36K 3ph	42K 1ph	42K 3ph	48K 1ph	48K 3ph	60K 1ph	60K 3ph
ERP R410A	Compact Cassette		T1, R410A, 50Hz, Full DC Inverter, Heat Pump		●	●										
	Super Slim Cassette		T1, R410A, 50Hz, Full DC Inverter, Heat Pump				●	●	●	●			●	●		●
	Medium ESP Duct		T1, R410A, 50Hz, Full DC Inverter, Heat Pump		●	●	●	●	●	●			●	●		●
	Console		T1, R410A, 50Hz, Full DC Inverter, Heat Pump		●											
	Ceiling & Floor		T1, R410A, 50Hz, Full DC Inverter, Heat Pump			●	●		●	●			●	●		●
	Outdoor		T1, R410A, 50Hz, Full DC Inverter, Heat Pump		●	●	●	●	●	●	●		●	●		●
ERP R32	Compact Cassette		T1, R32, 50Hz, Full DC Inverter, Heat Pump		●	●										
	Super Slim Cassette		T1, R32, 50Hz, Full DC Inverter, Heat Pump				●		●	●				●		●
	Medium ESP Duct		T1, R32, 50Hz, Full DC Inverter, Heat Pump		●	●	●	●	●	●	●			●		●
	Console		T1, R32, 50Hz, Full DC Inverter, Heat Pump		●	●										
	Ceiling & Floor		T1, R32, 50Hz, Full DC Inverter, Heat Pump			●	●		●	●				●		●
	Outdoor		T1, R32, 50Hz, Full DC Inverter, Heat Pump		●	●	●	●	●	●	●			●		●





# LINE-UP 2020

North America & Australia






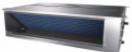



Product Line	Series	Appearance	Type	9K	12K	18K	24K	30K	36K 1ph	36K 3ph	42K 1ph	42K 3ph	48K 1ph	48K 3ph	60K 1ph	60K 3ph
North America Full DC Inverter	Compact Cassette		T1, R410A, 60Hz, Full DC Inverter, Heat Pump	●	●	●										
	Super Slim Cassette		T1, R410A, 60Hz, Full DC Inverter, Heat Pump				●		●				●			
	Medium ESP Duct		T1, R410A, 60Hz, Full DC Inverter, Heat Pump	●	●	●	●		●				●			
	Console		T1, R410A, 60Hz, Full DC Inverter, Heat Pump		●											
	Ceiling & Floor		T1, R410A, 60Hz, Full DC Inverter, Heat Pump			●	●		●				●			
	High ESP duct		T1, R410A, 60Hz, Full DC Inverter, Heat Pump												●	
	AHU		T1, R410A, 60Hz, Full DC Inverter, Heat Pump				●		●				●			
	Powerful Heating Outdoor		T1, R410A, 60Hz, Full DC Inverter, Heat Pump	●	●	●	●						●			
	Outdoor		T1, R410A, 60Hz, Full DC Inverter, Heat Pump	●	●	●	●									
	Outdoor		T1, R410A, 60Hz, Full DC Inverter, Heat Pump						●				●		●	
Australia Full DC Inverter Heat Pump	Medium ESP Duct		T1, R410A, 50Hz, Full DC Inverter, Heat Pump				●		●		●					
	High ESP Duct		T1, R410A, 50Hz, Full DC Inverter, Heat Pump								●		●		●	
	Outdoor		T1, R410A, 50Hz, Full DC Inverter, Heat Pump				●		●		●		●		●	





# LINE-UP 2020

India & Malaysia








Product Line	Series	Appearance	Type	9K	12K	18K	24K	30K	36K 1ph	36K 3ph	42K 1ph	42K 3ph	48K 1ph	48K 3ph	60K 1ph	60K 3ph
India	Super Slim Cassette		T1, R32, 50Hz, DC Inverter, Cooling Only				●		●					●		
	Outdoor		T1, R32, 50Hz, DC Inverter, Cooling Only				●		●					●		
Malaysia	Compact Cassette		T1, R410A, 50Hz, On/Off, Cooling Only			●										
	Super Slim Cassette		T1, R410A, 50Hz, On/Off, Cooling Only		●	●	●		●					●		●
	Ceiling & Floor		T1, R410A, 50Hz, On/Off, Cooling Only		●	●	●		●					●		●
	Duct		T1, R410A, 50Hz, On/Off, Cooling Only	●												
	Outdoor		T1, R410A, 50Hz, On/Off, Cooling Only	●	●	●	●		●					●		●
	Super Slim Cassette		T1, R32, 50Hz, On/Off, Cooling Only		●	●	●		●					●		●
	Outdoor		T1, R32, 50Hz, On/Off, Cooling Only		●	●	●		●					●		●





# LINE-UP 2020

Thailand & Philippines


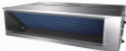





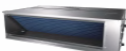





Product Line	Series	Appearance	Type	9K	12K	18K	24K	30K	36K 1ph	36K 3ph	42K 1ph	42K 3ph	48K 1ph	48K 3ph	60K 1ph	60K 3ph
Thailand Full DC Inverter Ceiling & Floor R410A	Ceiling & Floor		T1, R410A, 50Hz, Full DC Inverter, Cooling Only			●	●	●		●		●				
	Outdoor		T1, R410A, 50Hz, Full DC Inverter, Cooling Only			●	●	●		●		●				
Thailand Full DC Inverter R32	Ceiling & Floor		T1, R32, 50Hz, Full DC Inverter, Cooling Only		●	●	●	●	●	●		●		●		●
	Outdoor		T1, R32, 50Hz, Full DC Inverter, Cooling Only		●	●	●	●	●	●		●		●		●
Philippines Inverter Cooling Only	Super Slim Cassette		T1, R410A, 60Hz, DC Inverter, Cooling Only				●		●				●			●
	Ceiling & Floor		T1, R410A, 60Hz, DC Inverter, Cooling Only				●		●				●			●
	Outdoor		T1, R410A, 60Hz, DC Inverter, Cooling Only				●		●				●			●





# LINE-UP 2020

Latin America




Product Line	Series	Appearance	Type	9K	12K	18K	24K	30K	36K 1ph	36K 3ph	42K 1ph	42K 3ph	48K 1ph	48K 3ph	60K 1ph	60K 3ph
Latin America On/Off Cooling Only	Super Slim Cassette		T1, R410A, 60Hz, On/Off, Cooling Only						●	●			●	●	●	●
	Medium ESP Duct		T1, R410A, 60Hz, On/Off, Cooling Only						●	●			●	●	●	●
	Ceiling & Floor		T1, R410A, 60Hz, On/Off, Cooling Only						●	●			●	●	●	●
	AHU		T1, R410A, 60Hz, On/Off, Cooling Only						●	●			●	●	●	●
	Outdoor		T1, R410A, 60Hz, On/Off, Cooling Only						●	●			●	●	●	●
	Ceiling & Floor		T1, R410A, 60Hz, On/Off, Cooling Only			●	●		●	●			●	●	●	●
Latin America On/Off Cooling Only	Super Slim Cassette		T1, R410A, 60Hz, On/Off, Cooling Only			●	●		●	●			●	●	●	●
	Medium ESP Duct		T1, R410A, 60Hz, On/Off, Cooling Only/Heat Pump			●	●		●	●			●	●	●	●
	Side Discharge Outdoor		T1, R410A, 60Hz, On/Off, Cooling Only			●	●		●	●			●	●	●	●
	Top Discharge Outdoor		T1, R410A, 60Hz, On/Off, Cooling Only				●		●	●			●	●	●	●
Latin America DC Inverter	Super Slim Cassette		T1, R410A, 60Hz, DC Inverter, Cooling Only						●						●	
	Ceiling & Floor		T1, R410A, 60Hz, DC Inverter, Cooling Only						●						●	
	Outdoor		T1, R410A, 60Hz, DC Inverter, Cooling Only						●						●	





# LINE-UP 2020

Latin America



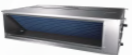



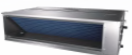


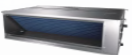

Product Line	Series	Appearance	Type	9K	12K	18K	24K	30K	36K 1ph	36K 3ph	42K 1ph	42K 3ph	48K 1ph	48K 3ph	60K 1ph	60K 3ph
Mexico DC Inverter	Super Slim Cassette		T1, R410A, 60Hz, DC Inverter, Heat Pump						●	●			●	●	●	●
	Medium ESP Duct		T1, R410A, 60Hz, DC Inverter, Heat Pump			●	●		●	●			●	●	●	●
	Ceiling & Floor		T1, R410A, 60Hz, DC Inverter, Heat Pump			●	●		●	●			●	●	●	●
	Outdoor		T1, R410A, 60Hz, DC Inverter, Heat Pump			●	●		●	●			●	●	●	●
Latin America 50Hz On/Off Heat Pump	Ceiling & Floor		T1, R410A, 50Hz, On/Off, Heat Pump					●						●		●
	AHU		T1, R410A, 50Hz, On/Off, Heat Pump											●		●
	Outdoor		T1, R410A, 50Hz, On/Off, Heat Pump					●						●		●





# LINE-UP 2020

Middle East

Product Line	Series	Appearance	Type	9K	12K	18K	24K	30K	36K 1ph	36K 3ph	42K 1ph	42K 3ph	48K 1ph	48K 3ph	60K 1ph	60K 3ph
Middle East	Super Slim Cassette		T3, R22, 50Hz, On/Off, Heat Pump				●		●					●		
	Outdoor		T3, R22, 50Hz, On/Off, Heat Pump				●		●					●		
	Medium ESP Duct		T3, R410A, 50-60Hz, Full DC Inverter, Heat Pump			●	●		●							
	High ESP Duct		T3, R410A, 50-60Hz, Full DC Inverter, Heat Pump										●	●	●	●
	Outdoor		T3, R410A, 50-60Hz, Full DC Inverter, Heat Pump			●	●		●				●	●	●	●
	Super Slim Cassette		T3, R410A, 50Hz, On/Off, Cooling Only			●	●		●					●		
	Medium ESP Duct		T3, R410A, 50Hz, On/Off, Cooling Only			●	●	●	●							
	High ESP Duct		T3, R410A, 50Hz, On/Off, Cooling Only									●		●		●
	Outdoor		T3, R410A, 50Hz, On/Off, Cooling Only			●	●	●	●			●		●		●
	Duct		T3, R410A, 50Hz, On/Off, Cooling Only							●		●		●	●	
	Outdoor		T3, R410A, 50Hz, On/Off, Cooling Only							●		●		●	●	





# FROM 9 STEPS TO ONLY 3



## Easy Cleaning

The filters are easy to remove, and can be pulled out from the top rather than inside the panel.



## Easy Installation

Midea's All Easy series has strong installation plate and cupboard, which provides lots of space for piping/wiring connection and a better wiring terminal. Reducing Installation time by 20% compared with normal air conditioners.



## Easy Maintenance

The new structure features a universal PCB, with one PCB to suit all sizes of the All Easy series. Easily removable PCB and electrical components reduce maintenance time by 50%, saving your time and money.

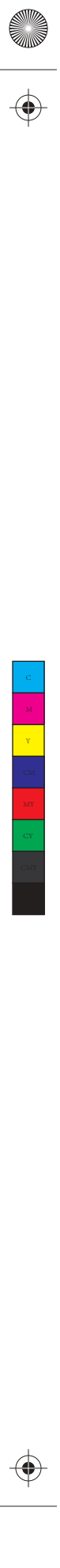
## STEP

**1** Determine the installation position

**2** Connect the piping

**3** Connect the wiring





67°C  
**INFINI**  
Cool

Even in outdoor temperatures of up to **68°C** the compressor still works well to ensure continuous cooling, with 100% output guaranteed in outdoor temperatures even at 50°C.

-32°C  
**INFINI**  
Heat

The maximum operating frequency of the inverter compressor can reach up to 120Hz. This ensures stable operation at temperatures as low as **-32°C**, with a 100%-guaranteed heating capability in outdoor temperatures even at -25°C.



**INFINI**  
Econo

With the single touch of a button, the InfiniEcono series can run for a 8-hour sleep period with only less-than-2kWh electricity usage under Econo+ mode, saving energy up to **71%**. As an alternative, you can also choose the 3-grade gear change function which helps you to select the most suitable output catering to your actual need.



**INFINI**  
Dura

Our exclusive anti-corrosive golden and green (optional) coating on the heat exchangers, along with the refined design of casting and encapsulation keep the unit away from salty air, rain, and other corrosive elements.



\*Applies to selected models in selective experimental conditions



# INFINI SERIES

## Flagship Models



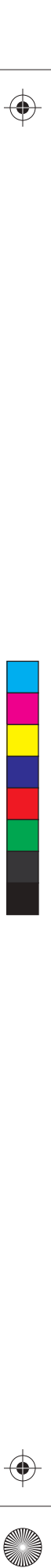
### 1% - 100% Stepless Comfort

Via remote control or smartphone app, you can adjust fan speed from 1% - 100%, enjoying a more comfortable cooling experience by precise wind speed control.



### Smart Wi-Fi and Voice Control

Simply download the "NetHome Plus" app to control your home's air conditioner via Wi-Fi whenever and wherever. This unit is also compatible with the Amazon Echo and Google Home smart-home systems, allowing you to control your AC using voice commands. So easy, so smart.





## Standard Models

# AURORA SPLIT

Powerful cooling  
even in desert heat of  
up to 67°C\*

\*Only for selected models.



## 3D Air Flow

The unit has horizontal swing and auto vertical swing function, which supplies more even and comfortable air flow.



## Powerful Cooling

Midea's Aurora series utilize powerful compressor and extraordinary air inlet design to generate a strong flow of cool air for your instant comfort



## Flash Cooling

Equipped with the most advanced inverter technology, this model can reach maximum frequency in merely 6 seconds after starting up.





## Standard Models

# FOREST SPLIT

Reliable and durable,  
your trustworthy smart choice.



### Golden Fin

The unique anticorrosive golden coating on the condenser can withstand the salty air, rain and other corrosive elements. It also effectively prevents bacteria from breeding and improve heat transfer efficiency.



### Fireproof Electronic Box

With a fireproof metal plate, it will stop fire immediately once the wires inside catch fire.



### Refrigerant Leak Detection

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



# CASSETTE COMFORT PERFECTIONIST

## SilentTornado

The **SilentTornado Effect** is attained with the innovation **WindTrack** and **Nite-Owl Wing** design, through which the mighty air flow gets mightier and quiet operation quieter.

### Energy Cost

**24%↓**

Indoor Motor Power

### Amplified Cooling

**20%↑**

Air Flow Volume

### Excessive Tranquility

**4dB↓**

Indoor Unit Noise



### WindTrack

An innovative hidden water pump structure makes room for a more streamlined air channel that can generate stronger airflow, as well as a 5% larger heat exchanger that offers higher efficiency.



### Nite-Owl Wing

Employing real bionic principles in its Nite-Owl design to deliver optimized aerodynamic performance and improved noise reduction, the indoor unit fan blade achieves power at the volume of a whisper.

Comfort Without Compromise

\*Upcoming model - The whole new cassette



**Flagship Model**





## Multi-tailor

Sense and recognize your cooling status and automatically adjust the wind deflector of the 4-side, the cassette can cater to the various and individual cooling needs in the public space. So comfort to feel at home.



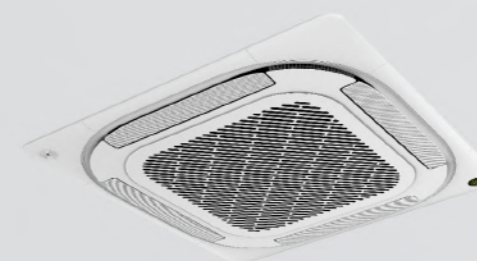
### UniqueFlow

4 possible cooling experience in 1 occasion.



### Insight Sensoric

With 32\*24 ultra high resolution and the exclusive thermal sensation algorithm, it can capture radiation temperature of the human body, indoor items, ground temperature, as well as the air temperature and humidity, and then automatically adjust the wind deflector of 4 sides to organize the room temperature at the optimal level.



## CoolSurround 360°

Unique seamless airflow louver design equipped with DC fan motor allows cool air to diffuse and sink in 360° direction, offering uniform cooling experience throughout the space.



## Smart Saving

The Insight Sensoric sensor can automatically identify indoor human activity, powerful cooling will be activated only when there're people in the room, otherwise the air-con will operate at the low speed. Keeping energy saving without sacrifice the cooling comfort.



## Easy Installation

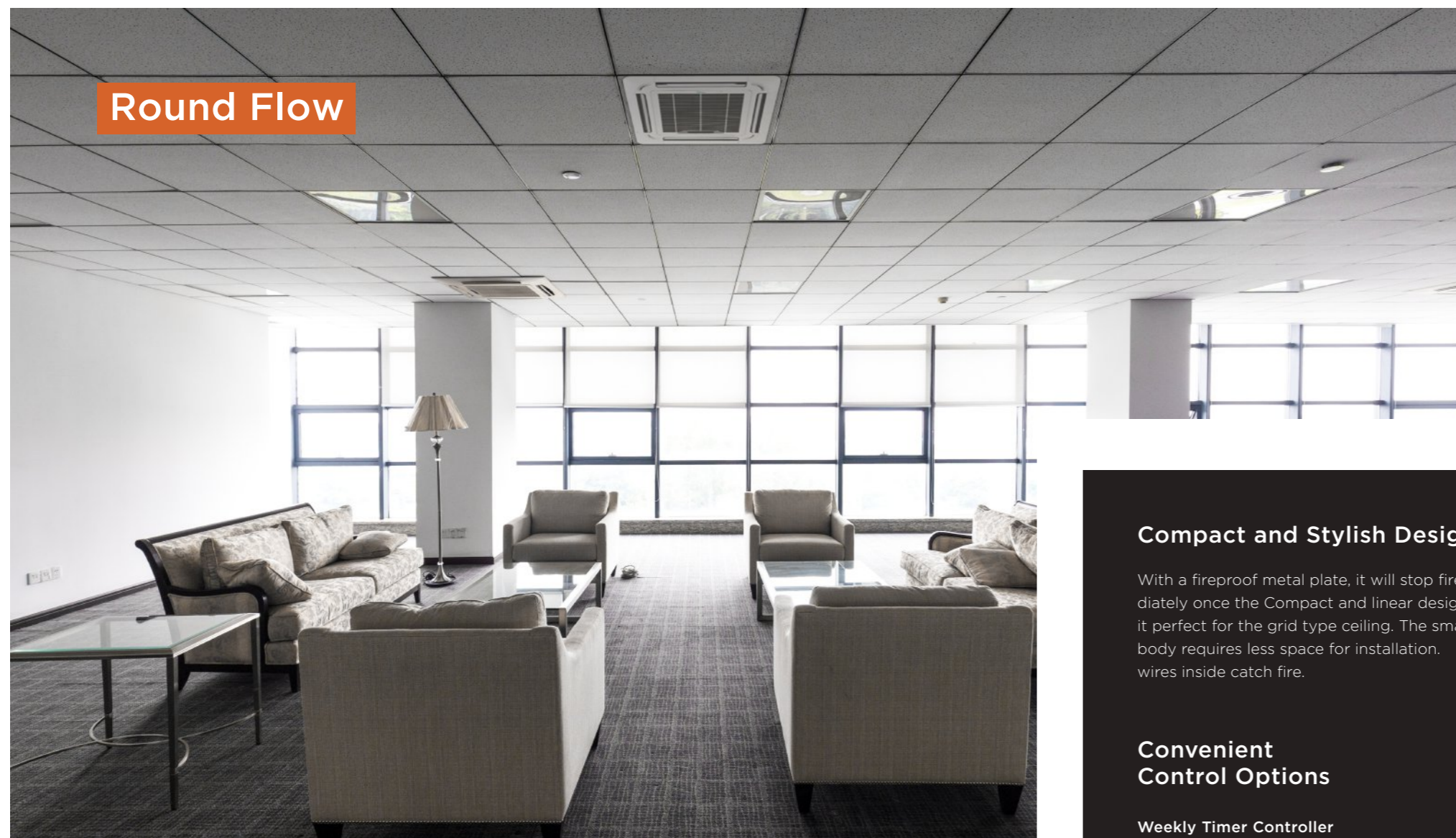
- Curved metal hook with more ergonomic is easier to carry and uplift the machine.
- The easy accessing water pump position and the use of tube connection installation saves lots of steps during installing.



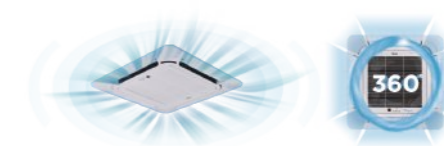
## Reliable Quality

- ABS water tray is lighter, better leakproof and more resistant to corrosion.
- The iE-box is fully surrounded by the flame retarding plastic & metal plate material as protection against fire, humidity or small animals.





Round Flow



### CoolSurround 360°

Unique seamless airflow louver design equipped with DC fan motor allows cool air to diffuse and sink in 360° direction, offering uniform cooling experience throughout the space.



### Louver Position Memory

The louver will return back to its previous position when you restart the AC, allowing you to enjoy your preferred coolness settings every time you turn on the unit.



### Flexible Installation

#### Built-in Drain Pump

The drain pump can lift the condensing water up to 750mm, which is convenient to install drainage pipes under most conditions.

It is suitable for ceiling of grid type and it has high degree of freedom of installation and it can be installed beside lighting and ventilation opening.

### Compact and Stylish Design

With a fireproof metal plate, it will stop fire immediately once the Compact and linear design makes it perfect for the grid type ceiling. The smaller body requires less space for installation. wires inside catch fire.

### Convenient Control Options

#### Weekly Timer Controller

Multiple time on and off time in a day can be set by KJR-120C weekly timer wired controller.

#### Twin System With Sync Control

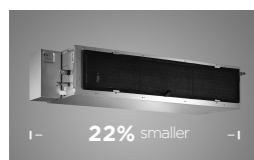
The twin system connect with 2 IDUs of the same type and capacity to 1 ODU for more air distribution in a large room. The controller can be control both IDU simultaneously.

### Fresh Air

Air outside can be led into the room via a connection pipe, which keeps the indoor air fresh and healthy.

# COMPACT CASSETTE





### Light Weight and Compact Design

With the weight decreases almost 20% and the size shrinks 12.5% in comparison with conventional one, the A6 duct save lots of installation efforts and time as well as creates bigger maintenance space.



### Flexible Installation and Maintenance

Air inlet from back or from bottom is optional, with the same plate size, which allows flexible change of the air inlet direction. It also feature easy-to-remove filter and PCB, making daily cleaning job a breeze.



### Built-in Drain Pump (optional)

The drain pump can lift the condensing water up to 750mm, which is convenient to install drainage pipes under most conditions. It also allows parts be replaced from the side where maintenance is easier.



### Quiet Operation

Optimized duct design and the high efficient DC fan motor together offer quiet operation despite of the small structural design.



Air Volume  
Lack Perfect Over



Air Volume  
Lack Perfect Over



Air Volume  
Lack Perfect Over



### AeroStic Technology

The unique and innovation AeroStic Technology can automatically detect required airflow volume to different ducting length, and the pre-programmed intelligent algorithm to figure out the necessary static pressure and instructs the DC fan motor to deliver accurate and enough airflow volume to every room. This technology saves lots of manual calculation and testing labors during the installation, while better guarantees the optimal comfort and lower noise for any space that coverer.

\* For specific model with DC Fan Motor and Inverter Quattro™ Technology



## A6 DUCT

# MEDIUM STATIC PRESSURE DUCT



## Light Weight and Compact Design

With the weight decreases almost 20% and the size shrinks 12.5% in comparison with conventional one, the A6 duct save lots of installation efforts and time as well as creates bigger maintenance space.



## Up to 160Pa High Static Pressure

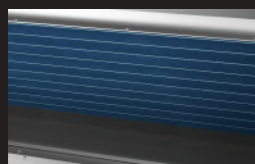
With new eccentric fan motor, the A6 Duct can be installed in various application that requires high static pressure up to 160Pa.



## Built-in Drain Pump (optional)

The drain pump can lift the condensing water up to 750mm, which is convenient to install drainage pipes under most conditions.

It also allows parts be replaced from the side where maintenance is easier.



## PrimeGuard Coating for Long-lasting Performance

The unique anti-corrosive golden coating on the heat exchangers can withstand the salty air, rain and other corrosive elements. It also effectively prevents bacteria from breeding and improves heat efficiency.



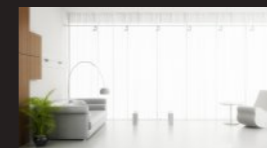
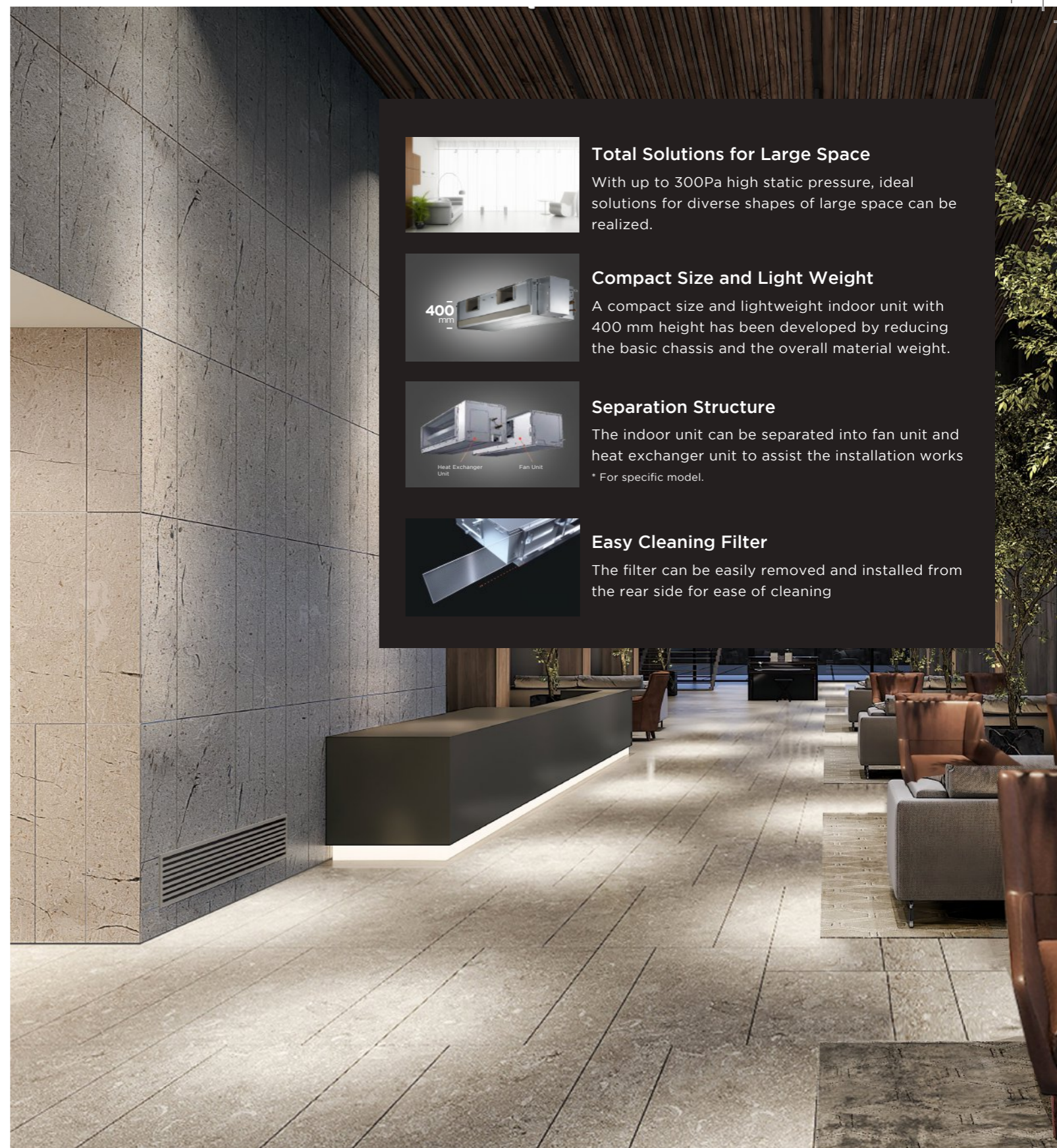
# HIGH STATIC PRESSURE DUCT



## AeroStic Technology

The unique and innovation AeroStic Technology can automatically detect required airflow volume to different ducting length, and the pre-programmed intelligent algorithm to figure out the necessary static pressure and instructs the DC fan motor to deliver accurate and enough airflow volume to every room. This technology saves lots of manual calculation and testing labors during the installation, while better guarantees the optimal comfort and lower noise for any space that coverer.

\* For specific model with DC Fan Motor and Inverter Quattro™ Technology



### Total Solutions for Large Space

With up to 300Pa high static pressure, ideal solutions for diverse shapes of large space can be realized.



### Compact Size and Light Weight

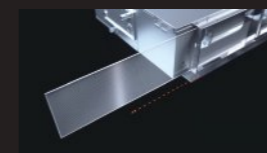
A compact size and lightweight indoor unit with 400 mm height has been developed by reducing the basic chassis and the overall material weight.



### Separation Structure

The indoor unit can be separated into fan unit and heat exchanger unit to assist the installation works

\* For specific model.



### Easy Cleaning Filter

The filter can be easily removed and installed from the rear side for ease of cleaning

# CEILING & FLOOR



## 3D Airflow

The unit has horizontal swing and auto vertical swing function, which supplies more even and comfortable air flow.



## Build-in Drain Pump(Optional)

The drain pump can lift the condensing water up to 750mm, which is convenient to install drainage pipes under most conditions.



## Easy Maintenance

More than 60% parts and assemblies (such as fan wheels, plastic cases, metal parts etc.) are universal for 3 different bodies, which makes the production and maintenance much easier.



## Fresh Air

Air outside can be led into the room via a connection pipe, which keeps the indoor air fresh and healthy.

## 2-Style Installation

Fashionable design and streamline appearance, suitable for different room styles.



# CONSOLE



## 2 Optional Air Outlet Ways

Direction for air flow can be in two patterns: both up and down or up only.



## 4 Directions Air-inlet

Air intake from 4 directions helps to circulate air around the room, resulting in comfortable temperature.



## High Heating Performance

The downward air outlet design allows hot air to be dispersed across the floor when the unit is in heating mode to greatly improve heating performance.



## Quiet Design

Midea's unique large centrifugal fan blade eliminates unnecessary noise and allows for smooth operation.



# PA FLOOR STANDING



## Simple & Elegant Design

The modern and unique design of Midea's air conditioner delivers a premium look.



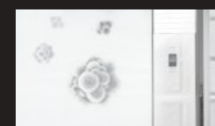
## Touch Control

The control buttons are embed into the body so that the unit can be controlled with only a gentle touch.



## 3D Airflow

Midea's 3D airflow function combines vertical and horizontal auto-swing to spread comfort more widely throughout the room.



## Easy Clean Filter

The air inlet grille and filter are easy to remove, making the cleaning process much easier.



## Low Noise

Optimized duct and turbine design makes the air conditioner much quieter during its operation.



## Side Air Inlet

Uniquely designed side air inlet makes this unit much more appealing and easier to clean.



# GD FLOOR STANDING



## Wind Avoid Me

With one tap of button, the airflow direction is automatically adjusted to the maximum angle to prevent direct cold/hot drafts.



## Touch Control

The control button are embed into the body so that the unit can be controlled with only a gentle touch.



## 3D Airflow

Midea's 3D airflow function combines vertical and horizontal auto-swing to spread comfort more widely throughout the room.



## Powerful Airflow

Equipped with a powerful DC motor and a large-diameter centrifugal blower wheel to achieve an airflow up to 2300m³/h



## 15 Meters Long Distance Wind Blast

The large air outlet and six large air directing blades enable an airflow distance of up to 15m.

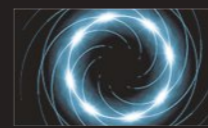


## Hidden VLED Display

The hidden VLED display screen is easy to read yet beautiful.



# J2 FLOOR STANDING



## 3D Airflow

3D airflow combines vertical and horizontal swing to deliver air to every part of a room, providing ultimate comfort.



## Low Noise

Optimized duct and turbine design makes the air conditioner much quieter during its operation.



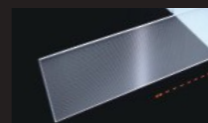
## Side Air Inlet

Uniquely designed side air inlet makes this unit much more appealing.



## Large Display

With a large display board in front, this unit becomes beautiful to see and easier to control.



## Easy Clean Filter

The air inlet grille and filter are easy to remove, making the cleaning process much easier.



## Self-diagnosis & Auto-protection

In the case of abnormal operation, the unit will protect the system by shutting down automatically. Meanwhile, the error code enables engineers to identify the problem quickly.

# GA FLOOR STANDING



## Front Air Inlet

The air inlet is located at the front of the unit to ensure better air intake.



### Auto Restart

In the event of a sudden power failure, air conditioner restarts automatically and will operate based on the previous setting.



### Golden Fin

The innovative anti-corrosion coating on the fin helps to prevent bacteria and enhance the efficiency of heat transfer.



### Self-Diagnosis & Auto-Protection

In the case of abnormal operation, the unit will protect the system by shutting down automatically. Meanwhile the error code enables engineers to identify the problem quickly.

# YA FLOOR STANDING



## Artistic Cylinder Design

Different from the conventional Floor Standing type, the cylinder outlook makes this unit so unique so artistic.



## Ultra Low Noise

Optimized duct and turbine design makes the air conditioner much quieter during its operation. Lowest at 23dB.



## Wide Range Vertical Air Supply

The uniquely designed cylinder body helps to deliver more vertical airflow compared with conventional floor standing unit.



## Easy Clean

The air inlet grille and filter are easy to remove, making the cleaning process much easier.

# PTAC

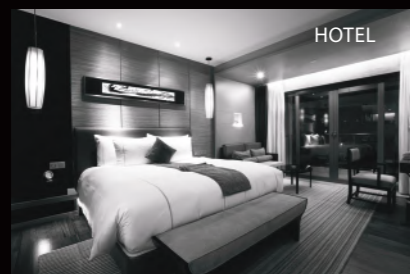


## Multiple Control

- Standard: Electric Control Panel
- Optional: Wired Control Panel
- Optional: Wireless Control Panel

## Optional Accessories

- Wall Sleeve & Condensate Drain Kit
- Wired Remote Thermostat
- Standard Stamped Aluminum Grille
- Extruded Architectural Grille

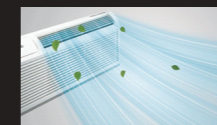


HOTEL



MOTEL

## Application Scenarios



### Fresh Air Ventilation

Fill your room with fresh air when operating, providing you healthier and more comfortable air quality.



### Verdant Energy Management Thermostat

Wired and Wireless options. Save up to 20% on energy costs without compromising the comfort. Eligible for rebates in most states.



### Auto Defrosting

With auto-defrosting function, the unit can prevent evaporator from freezing and maintain dehumidifying effect in low temperature environments.



### Washable Slide-out Filters

Washable slide-out filters makes cleaning process much easier.

The Midea split system provides tailored solutions for spaces with multiple rooms of different shapes and sizes.



1-2 ROOMS **NEOLIGHT**



3, 4-5 ROOMS **NEOFLEX**



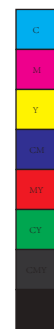
6 ROOMS **NEOVERSA**

# MULTI SPLIT OVERVIEW











Simultaneous Twin **NEOTWIN**

Simultaneous Multi-type is recommended for situations where multiple indoor units need to be operated simultaneously such as small buildings, small office building entrances, meeting rooms, education facility halls, and other large spaces. The same 2 indoor units can be operated simultaneously. This type is suitable for office spaces with large areas and properties with unusual floor layout.



# LINE-UP 2020


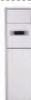










Product Line	Series	Appearance	Type	Indoor			1 drive 2 Outdoor					1 drive 3 Outdoor				1 drive 4 Outdoor				1 drive 5 Outdoor	
				7K	9K	12K	14K	18K	21K	24K	28K	21K	24K	27K	36K	28K	30K	36K	42K	42K	48K
Europe R410A	Outdoor		T1, R410A, 50Hz, Full DC Inverter, Heat Pump				●	●				●		●		●		●		●	
Europe R32	Outdoor		T1, R32, 50Hz, Full DC Inverter, Heat Pump				●	●				●		●		●		●		●	
Singapore	Outdoor		T1, R410A, 50Hz, Full DC Inverter, Heat Pump									●				●					
Australia	Outdoor		T1, R410A, 50Hz, Full DC Inverter, Heat Pump										●			●		●			●
North America Normal	Outdoor		T1, R410A, 60Hz, Full DC Inverter, Heat Pump					●						●				●			●
North America Heat	Outdoor		T1, R410A, 60Hz, Full DC Inverter, Heat Pump					●						●				●			
Taiwan	Outdoor		T1, R410A, 60Hz, Full DC Inverter, Heat Pump					●		●				●	●				●		
Israel	Outdoor		T1, R410A, 50Hz, Full DC Inverter, Heat Pump					●						●		●					





# LINE-UP 2020

East Europe & Europe











Product Line	Series	Appearance	Type	18K	24K	30K	36K 1ph	36K 3ph	42K 1ph	42K 3ph	48K 1ph	48K 3ph	50K 3ph	60K 1ph	60K 3ph
East Europe On/Off R410A Heat Pump	PA		T1, R410A, 50Hz, On/Off, Heat Pump		●										
	J2		T1, R410A, 50Hz, On/Off, Heat Pump									●			
	GA		T1, R410A, 50Hz, On/Off, Heat Pump						●						
	M		T1, R410A, 50Hz, On/Off, Heat Pump										●		
	GD		T1, R410A, 50Hz, On/Off, Heat Pump												●
	Outdoor		T1, R410A, 50Hz, On/Off, Heat Pump		●				●		●		●		●
Europe ERP R410A	M		T1, R410A, 50Hz, Full DC Inverter, Heat Pump								●	●			
	GA		T1, R410A, 50Hz, Full DC Inverter, Heat Pump												●
	YA		T1, R410A, 50Hz, Full DC Inverter, Heat Pump		●										
	Outdoor		T1, R410A, 50Hz, Full DC Inverter, Heat Pump		●						●	●			●
Europe ERP R32	GD		T1, R32, 50Hz, Full DC Inverter, Heat Pump									●			
	Outdoor		T1, R32, 50Hz, Full DC Inverter, Heat Pump									●			





# LINE-UP 2020













ASEAN / Asia & Pacific

Product Line	Series	Appearance	Type	18K	24K	30K	36K 1ph	36K 3ph	42K 1ph	42K 3ph	48K 1ph	48K 3ph	50K 3ph	60K 1ph	60K 3ph
ASEAN On/Off Cooling Only	PA		T1, R410A, 50Hz, On/Off, Cooling Only	●	●										
	J2		T1, R410A, 50Hz, On/Off, Cooling Only								●				
	GA		T1, R410A, 50Hz, On/Off, Cooling Only									●			●
	Outdoor		T1, R410A, 50Hz, On/Off, Cooling Only	●	●						●	●			●
Philippines Inverter Cooling Only	GA		T1, R410A, 60Hz, On/Off, Cooling Only				●							●	●
	J2		T1, R410A, 60Hz, On/Off, Cooling Only				●								
	Outdoor		T1, R410A, 60Hz, On/Off, Cooling Only				●							●	●
Asia & Pacific R410A On/Off Cooling Only	PA		T1, R410A, 50Hz, On/Off, Cooling Only	●	●										
	J2		T1, R410A, 50Hz, On/Off, Cooling Only								●	●			
	Outdoor		T1, R410A, 50Hz, On/Off, Cooling Only	●	●						●	●			



LINE-UP 2020

Iraq









Product Line	Series	Appearance	Type	18K	24K	30K	36K 1ph	36K 3ph	42K 1ph	42K 3ph	48K 1ph	48K 3ph	50K 3ph	60K 1ph	60K 3ph
Iraq Heat Pump R22	J2		T3, R22, 50Hz, On/Off, Heat Pump				●								
	S4		T3, R22, 50Hz, On/Off, Heat Pump				●								
	M		T3, R22, 50Hz, On/Off, Heat Pump				●				●				●
	GA		T3, R22, 50Hz, On/Off, Heat Pump				●				●				●
	Outdoor		T3, R22, 50Hz, On/Off, Heat Pump				●				●				●
Iraq R410A Heat Pump On/Off	PA		T3, R410A, 50Hz, On/Off, Heat Pump		●		●								
	J2		T3, R410A, 50Hz, On/Off, Heat Pump				●								
	Outdoor		T3, R410A, 50Hz, On/Off, Heat Pump		●		●								
Iraq R410A Heat Pump Inverter	GA		T3, R410A, 50Hz, DC Inverter, Heat Pump			●									
	J2		T3, R410A, 50Hz, DC Inverter, Heat Pump			●									
	GD		T3, R410A, 50Hz, DC Inverter, Heat Pump								●				●
	Outdoor		T3, R410A, 50Hz, DC Inverter, Heat Pump			●					●				●



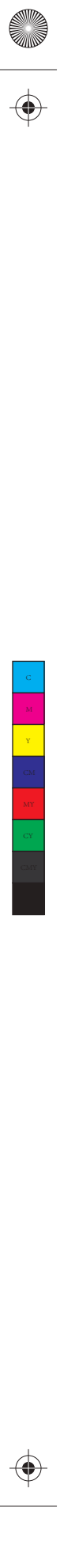


# LINE-UP 2020

## Saudi Arabia & The United Arab Emirates

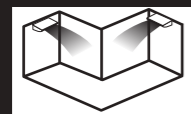
Product Line	Series	Appearance	Type	18K	24K	30K	36K 1ph	36K 3ph	42K 1ph	42K 3ph	48K 1ph	48K 3ph	50K 3ph	60K 1ph	60K 3ph
Saudi Arabia R410A Full DC Inverter	GA		T3, R410A, 60Hz, Full DC Inverter Heat Pump								●				
	GD		T3, R410A, 60Hz, Full DC Inverter, Heat Pump								●				
	Outdoor		T3, R410A, 60Hz, Full DC Inverter, Heat Pump								●				
The United Arab Emirates Cooling Only R22	GA		T3, R22, 50Hz, On/Off, Cooling Only				●					●			●
	Outdoor		T3, R22, 50Hz, On/Off, Cooling Only				●					●			●
The United Arab Emirates On/Off Cooling Only R410A	PA		T3, R410A, 50Hz, On/Off, Cooling Only		●										
	J2		T3, R410A, 50Hz, On/Off, Cooling Only				●								
	Outdoor		T3, R410A, 50Hz, On/Off, Cooling Only		●		●								





# SIMULTANEOUS TWIN NEOTWIN

Flexible installation solutions for scenes  
from office to commercial space.



Installation  
according  
to floor layout



Installation  
according to  
lighting conditions

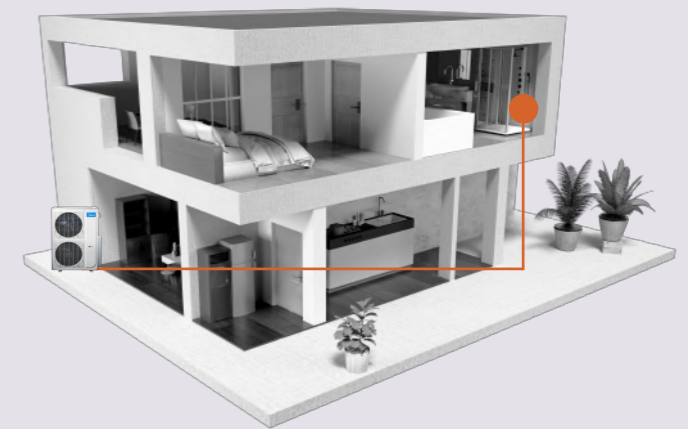


Installation  
according to  
lighting conditions

Selection of indoor units according to the room shape and heat load, like number of people and lighting conditions.  
Most comfortable air flow distribution can be realized.

Midea twin system is design to lend support to space with unusual floor layout like shops and boutiques. By placing the  
indoor units according to the layout shape, ideal comfortable air flow distribution can be realized.

# Flexible Installation



Up to max.piping length of 45m, max.height difference of 15m can be supported.  
Midea allows you to choose the best place to install the out-door unit flexibly. Be  
realized.

Outdoor Units	Max.Length	
	Length	Height Difference
1 drive 2	30m	15m
1 drive 3	45m	15m

The compact outdoor unit does not  
take up much space even if installed  
on the rooftop. Significant reduced  
height of the product supports instal-  
lations in narrow spaces.

**8% smaller size**

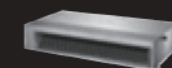


New product

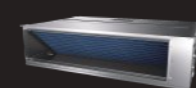


Conventional product

## A wide variety of indoor units to meet different needs



Slim Duct



Medium Static  
Pressure A6 Duct



Compact  
Cassette



Ceiling & Floor



# 1-2 ROOMS NEOLIGHT



## WIDE ARRAYS OF INDOOR UNITS TO MEET YOUR NEEDS

### AF Split AC

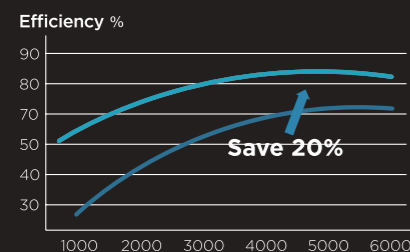
High performance and compact design model for compact spaces such as bedroom or home office.

### Console

Flexible installation is possible in bedrooms and rooms. Individual wide airflow by 2-fan can comfort you from head to toe.

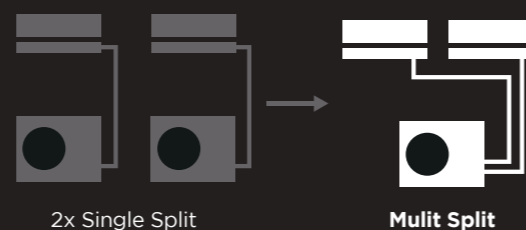
### Low Static Duct

provides discreet air conditioned comfort throughout your entire space. Minimum to 19dB(A) quiet operation clears away the unwanted noise distraction during your leisure hours with your friends and families.



### High Energy Efficiency

Full DC Inverter system is used for compressor, indoor / outdoor fan motor and inverter controlling.



### Space-saving Installation

Multiple indoor units can be connected to 1 outdoor unit, and long piping connection is also possible, which is especially friendly to small condos that have limited installation space and location.

Outdoor Units	Max Length	
	Length	Height Difference
1 Drive 2	30m	15m
1 Drive 3	45m	15m
1 Drive 4	60m	15m

### Flexible Installation

Up to max. piping length of 60 m, max. height difference of 15 m can be supported. Midea allows you to choose the best place to install the outdoor unit flexibly.

# 3,4-5 ROOMS NEOFLEXI



## A FULL PORTFOLIO TO MEET A WIDE RANGE OF NEEDS

For bedrooms that have higher demands in air quality and comfortable airflow, or living room that expect large-covered and even cooling, to home office that entails quiet environment and energy saving operation...all you can find solutions from the Midea product range.

### Breezeless



Master Bedroom &  
Kids Bedroom

### AF



Bedroom or  
Home Office

### Slim Duct



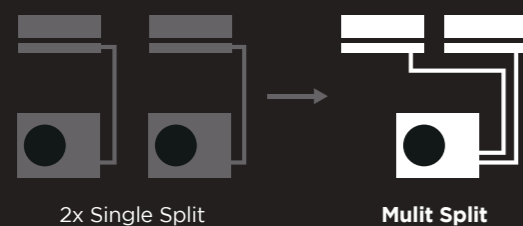
Living Room or  
Dining Room

### Ceiling & Floor



Small Room or Home Office

### Console



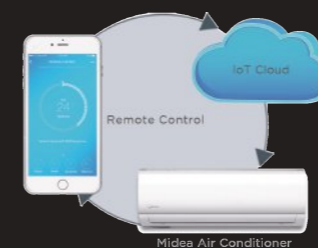
## Space-saving Installation

Multiple indoor units can be connected to 1 outdoor unit, and long piping connection is also possible, which is especial friendly to small condos that have limited installation space and location.



## Individual Control

Individual freedom to operate the air conditioners with remote control, or at your fingertips with the MideaHOME smart control options. You can make your home environment ready to welcome you before you get home.



## App-based Remote Control

Based on the cloud service under M-Smart Security Protocol, the MideaAIR app makes your home life easier, smarter and more comfortable with versatile functions just in hand.

Discover the MideaAIR to get your home life connected.



## Central Control

Batched control of up to 8 indoor units. The temperature, airflow volume, and the remote control prohibition settings of all indoor units can be batched.

# 6 ROOMS NEOVERSA



## ZONING PILOT BOX

Flexible Installation and Optimized Refrigerant Distribution



## Allow up to 9 IDU Connected

All connections between ODU\ZPU\IDU are screw nuts without any welding work, greatly cut installation workloads and cost.

## Refrigerant Control

Support optimized refrigerant distribution so every room meets the set point most quickly and comfortably.

## Connect all kinds of Midea IDU to a normal ODU with no limitation

Enables flexible redesigning house layout and replacement of IDU product, thanks to the all-product-match ZPU.

## An Efficient Solution in Various Capacities

Our compact design units is efficient in several different capacities to drive down costs and energy use.

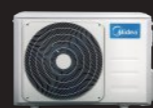


12K - 60K

## Small Yet Versatile

Up to 8 indoor units can connect to a single outdoor unit depending on the outdoor model. Our compact outdoor unit does not take up much space even if installed on the rooftop. So appearance of your house or garden won't be affected.

8% smaller size



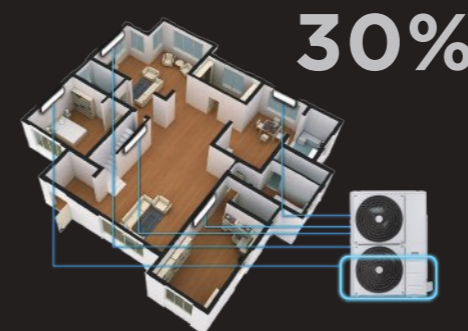
New product



Conventional product

## Partial Loads For Higher Energy Efficiency

During colder seasons, not all the rooms are operated all the time.



# CENTRALIZED CONTROLLER



## CCM30

Control up to 64 IDUs  
Control 1 IDU independently  
Control all IDUs synchronously



## CCM-180A/WS

Control up to 64 IDUs  
Control 1 IDU independently  
Control all IDUs synchronously  
Control by group



## 120I

### Communication Protocol:

One-way communication(infrared)

**Functions:** Standard functions, Follow me, Constant AFV test(for duct), Timer



## 120X

**Communication Protocol:** Two-way communication (based on RS485/ non-polar dual cores)

**Functions:** Standard functions, Follow me, Constant AFV test (for duct), Weekly timer, Independent vane control (for cassette), Infrared receiving, Dual/ centralized control, Rotation function, Touch button.



## 120G

**Communication Protocol:** Two-way communication (based on RS485/ non-polar dual cores)

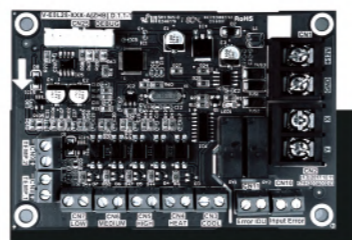
**Functions:** Standard functions, Follow me, Constant AFV test (for duct), Weekly timer, Independent vane control (for cassette)

# WIRED CONTROLLER



## Smart Port

- Wi-Fi control with smartphone or pad
- APP suitable for both Android and iOS system (NetHome Plus)
- All basic functions
- Senior functions such as weekly timer, customized sleep curve and self-check



## 24V Controller

M24VIA

- Specially designed for US Market
- 24V Thermostat support
- Support old DX indoor units match Midea inverter outdoor units
- Support current loop and 485 communicationck



## Portable Debugger

for Inverter Only

- For LCAC malfunction debugging and diagnosis
- Portable, compact and easy connecting to the unit

# OTHER KITS

