

# CEILING CASSETTE

Midea Aircon Catalogue



Up to  
**70% FUNDING**  
from EEG & E2F Grants

**Prime Guard**



LED Display



Fast Cooling

# MIDEA GROUP

is a Fortune 500 company, with robust business growth across multiple sectors. We believe in humanizing technology and provide customized solutions for SmartHome appliances, electro-mechanical, building technologies, robotic & automation and digital innovation.

## Leading Pioneer



**Midea**

The World's No.1 Air Treatment Brand For 4 Consecutive Years



**Midea**

The World's No.1 Residential Inverter Air Conditioner Company for 2 Consecutive Years

## Robust Enterprise



**#277 on the Fortune Global 500**

## Empower Society

### China Top 50 Sustainable Development Industrial Enterprises

Midea Group was awarded by Forbes for its outstanding performance in green manufacturing, carbon neutrality, sustainable development and ESG construction.

## Connected Worldwide



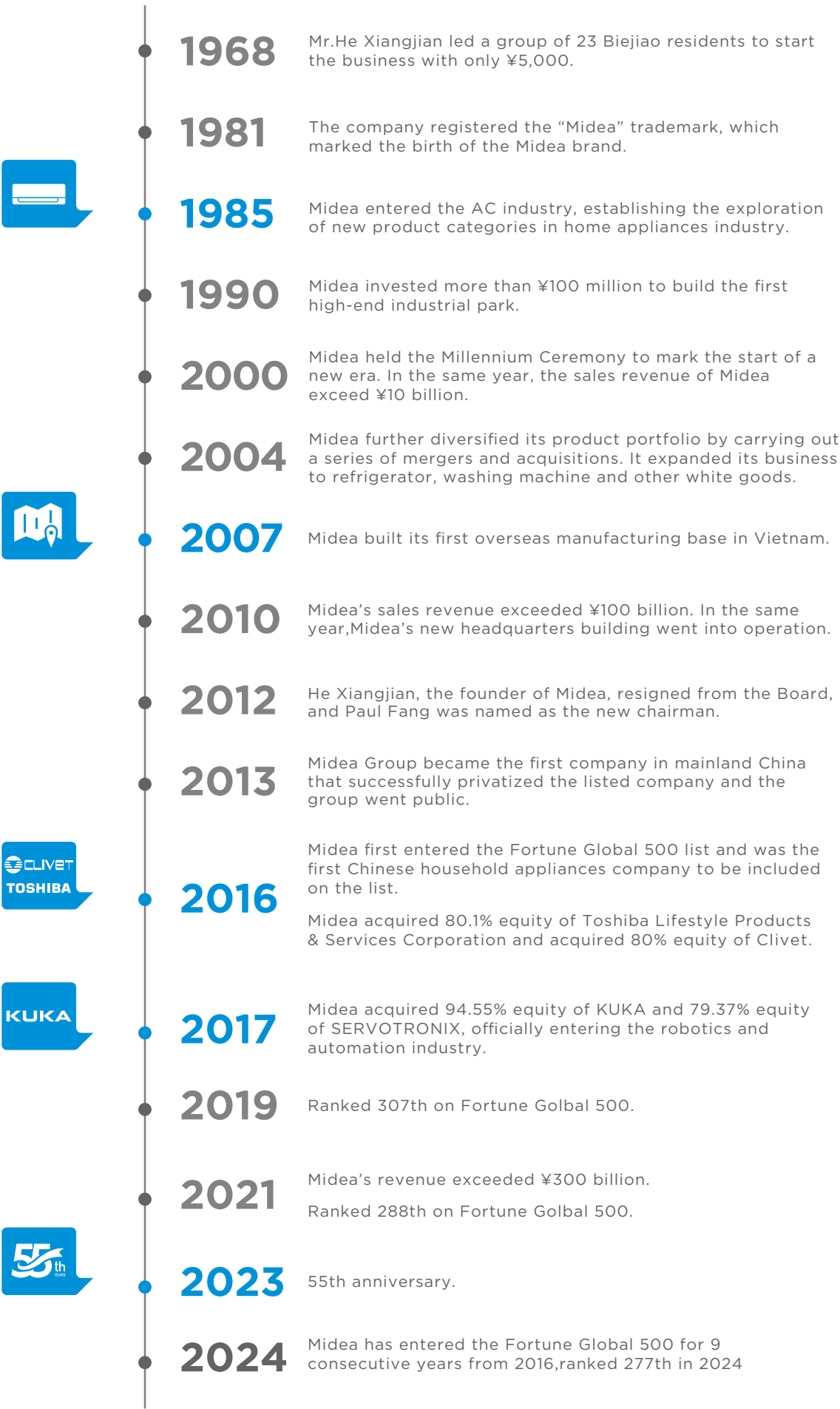
### #Worldclass Sponsorship with Manchester City

Midea Group and Manchester City have been kicked off global partnership since 2020 and launched several award-winning campaigns.



# Enterprise History

Keep forging ahead and embrace what's next.





# Single Split Cassette



Capacity		24K	32K	36K
4-Way Cassette (R32)	Indoor	MCD24-HRFN32E(SG)	MCD32-HRFN32E(SG)	MCD36-HRFN32E(SG)
				
	OutDoor	MOU24-HVN32E(SG)	MOU32-HVN32E(SG)	MOU36-HVN32E(SG)
				
	Tick Rating			

# Mini VRF Cassette



Capacity		28K	36K	42K	48K	56K
4-Way Cassette (R32)	Indoor	MDV-D28Q4/N1-E(At)	MDV-D36Q4/N1-E(At)	MDV-D48Q4/N1-E(At)	MDV-D48Q4/N1-E(At)	MDV-D56Q4/HN1-E(At)
						
	OutDoor	MDV-D28Q4/N1-E(SG)	MDV-D36Q4/N1-E(SG)	MDV-D48Q4/N1-E(SG2)	MDV-D48Q4/N1-E(SG2)	MDV-D56Q4/HN1-E(SG2)
						
	Tick Rating					

# EXTREME DURABILITY

Midea air conditioners are built with advanced Prime Guard technologies against harsh environments, ensuring reliable, long-lasting performance and efficiency.

1 Prime Heat Exchanger

2 Prime Electronic System (Inverter Only)

3 Prime Outdoor Unit Cabinet

4 Power Adaptation

## 1 Prime Heat Exchanger Prime Outdoor Condenser



### HYPER GRAPFINS



Anti-Corrosion

Proved by 1500 hrs neutral salt spray Midea lab test<sup>1</sup>



Anti-UV Aging Sun Damages

Proved by Intertek certified 240 hrs UV & 72 hrs neutral salt spray test<sup>2</sup>

### Super Material Graphene Application

- Thinnest, hardest, with best thermal conductivity
- Five-layer fin with double Graphene protection



**12.5X\*** Corrosion Resistance  
than Blue Coated Fins

Verified by **intertek**  
Total Quality Assured.

Blue coating  
**0.25%**

Hyper Grapfins  
**0.02%\***

\*After 240 hours UV test and 72 hours neutral salt spray(fog) test. Compared samples are Midea fins: Midea blue coated fins in HD2202-2/HW3308. Midea hyper grapfins in HMD011/HW3308.

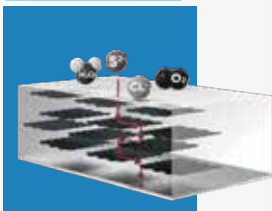
### High-density Honeycomb Structure

The high-density graphene layer can better block the penetration of corrosive elements.

Ordinary Coating



Hyper Grapfins



### Auto Dedusting (Full DC Only)

The outdoor unit fan can rotate in reverse to blow away the dust on the outdoor condenser, which can effectively maintain efficient heat exchange and reduce cleaning frequency.

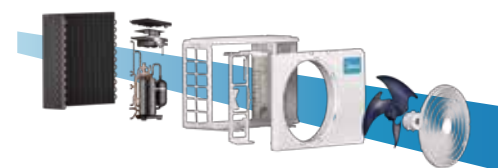
Note: Applicable for R32 model only

# EXTREME DURABILITY



## Prime Guard

### 2 Prime Electronic System (Inverter Only)



#### Durable Inverted PCB Design

Midea adopts a unique inverted electronic system design which can prevent sand from adhering on the PCB and reduce the probability of getting damp, thus better avoid malfunction.



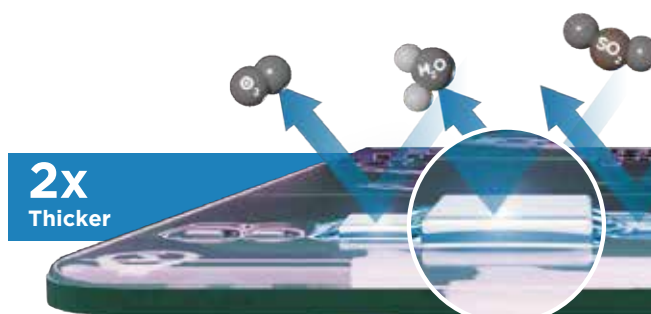
Midea also created a insect-resistant PCB design to better prevent insects like lizards from entering the electric control box, better protect its durability.

\*Insect-resistant PCB design only available for 4th generation electronic system now.



#### Reliable PCB with UV Conformal Coating & Anti-sulfurated Resistors

The enhanced PCB is covered with up to 100  $\mu\text{m}$  UV conformal coating, enjoying 2X thicker and higher density protection. Additionally, the PCB applies anti-sulfurated resistors, thus further improving reliability in environments with a high sulfur content.



Corrosion Area  
**<0.02%<sup>1</sup>**

Rating Number  
**9.8<sup>2</sup>**

Verified by **intertek**  
Total Quality. Assured.

<sup>1</sup>Depended on the using industrial environment with salt contamination (Ref. ISO 21207: 2015, Annex A, test method B, JIS Z 2371:2015 Annex JC)

<sup>2</sup>The full rating number is 10.

<sup>3</sup>This function is available for 4th generation electronic system.

### 3 Prime Outdoor Unit Cabinet



#### Anti-corrosive SUS410 Stainless Steel Screw

Covered with an anti-corrosive coating, the SUS410 stainless steel screws have harder surface, and stronger oxidation and corrosion resistance than ordinary screws.



#### Anti-corrosive Shield

Coated with 120~250 $\mu\text{m}$  anti-corrosive shield for the outdoor unit appearance and 60~120 $\mu\text{m}$  for the motor bracket, preventing corrosion, cracks and scratches.



#### Rainproof Diamond-edge Case Design

The outdoor unit casing adopts a diamond-edge design to prevent rainwater and sand from entering the unit, ensuring stable internal operation.

## 4 Power Adaptation

Midea can provide power adaptation technologies to ensure air conditioners operate normally despite power instability scenarios such as voltage fluctuations or insufficient power supply.



### Wider-voltage Operation

The prime electronic control system can operate continuously and smoothly within the range of 80V-300V regardless of the peak power consumption in city or the power shortage in remote areas.

\*Data from 26/35EZ model, MY-KF26GW/BP3N8Y-EZ1B(C6) and MY-KF35GW/BP3N8Y-EZ1B(C6).

### Higher-voltage Resistance

High-voltage capacitors with a voltage resistance of 500V are used on the electronic control board to effectively prevent damages during the thunderstorm season.

\*This data is for DC specifications. The PCB high-voltage resistance data of products vary from country to country.



## Benefits:

### Stable Operation

Even if the user's home is in a remote area or an area with power grid fluctuations, the air conditioner and other electrical appliances can operate stably, continuously providing a cooling experience.

## Other Protective Solutions



### Fireproof E-box

The electrical box is sealed with fireproof metal sheet material and double-groove sealing buckles to prevent any leakage.



### Fireproof Wiring Board

Midea electronic control box is made of fireproof materials to effectively reduce the potential safety hazards caused by short circuits or failures of the electronic control board.



# Prime Guard

## 5-level Gear Control

By setting 5-level (20%, 40%, 60%, 80%, 100%) adjustable power control, Midea enables more accurate power control to meet different usage scenarios, so users can lower the level of power to save energy or to ensure stable operation of major home appliances in case of power shortage.



\*Tested by Midea Lab of African model MSAF24A-09CRDNI-QC0, MSAF24A-12CRDNI-QC0, MSAF24A-18CRDNI-QC0 under the power supply of a 0.9kVA generator. Only available in capacity range from 9k to 18k. Actual results may vary depending on different voltages and using scenarios.

### Cost Savings

It does not require to install an additional voltage stabilizer so that the cost can be saved.

### Extended Lifespan

It can avoid frequent shutdowns of the air conditioner, which will help to reduce component damage and extend its lifespan.



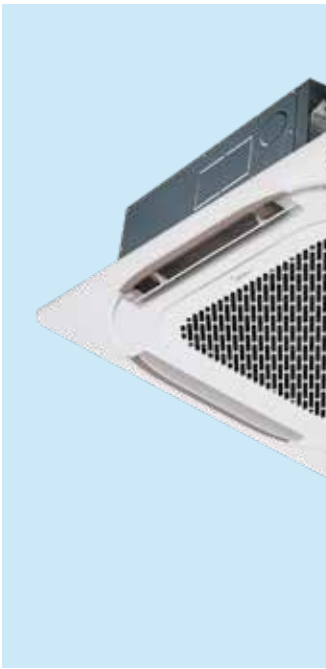
### Nitrogen Charging Protection

Injecting nitrogen into the pipe after refrigerant charging is complete, to prevent air and oxides on the inner surface of the copper pipe, which may cause refrigerant system leakage, blockage, or compressor burning.

\*Now available on model AG, AB, AF, EP, E platform.

Note: Applicable for R32 model only





# Four-way Round Flow Cassette



## Feature



Follow Me



Flash Cooling



Sleep Mode



Power Down Memory



Timer



Auto Restart Function



Dry Mode

## EASY INSTALLATION & MAINTENANCE

### Re-structure Drain Pump



#### 30 minutes faster for water pump maintenance

Thanks to the innovative WindTrack design, the drain pump is placed outside the air channel, which means ultra easy access to drain pump that all you need is to remove the panel.



#### Lifting height up to 1000 mm

Equipped with a external drain pump, Midea Cassette can lift condensate water up to 1000mm, making the installation and the discharge of condensate water much easier.



### Enlarge Space For Piping

More friendly for handwork operation



### User-friendly Hook Design

Curved metal hook with more ergonomic is easier to carry and uplift the machine.

Note: Applicable for R32 model only

# REAL COMFORT WITHOUT COMPROMISE

Meet the various and individual cooling requirements to achieve real comfort for everyone

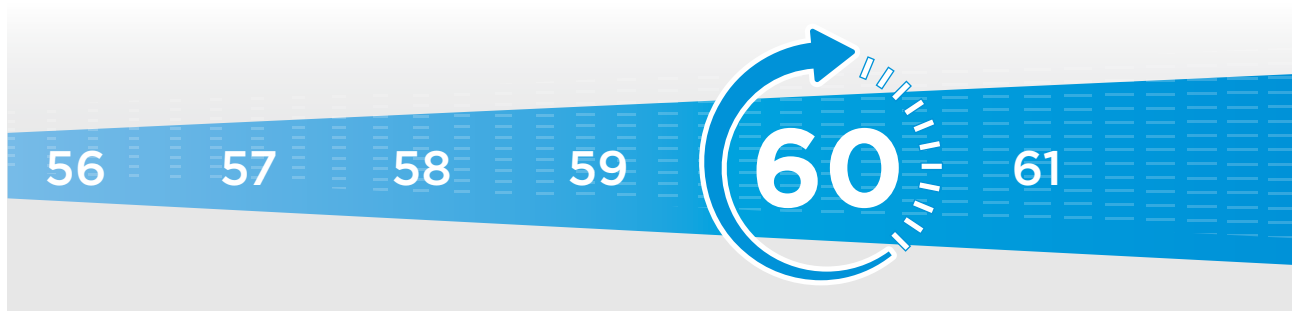
## 360° Round Flow

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



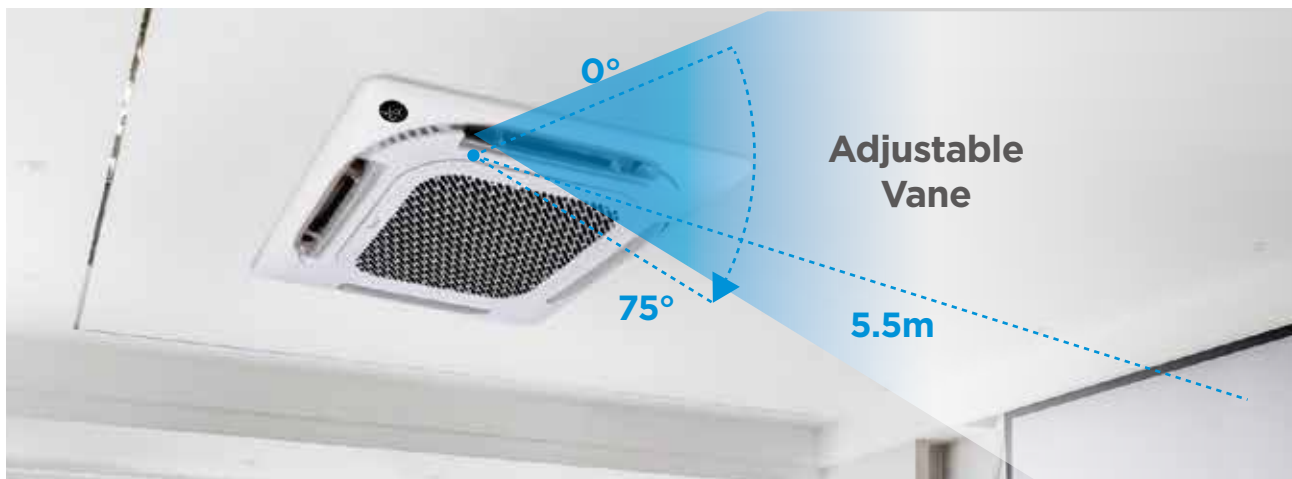
## 0-100% Stepless fan speed

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



## Adjustable Vane and Long Airflow

Adjustable Vane from 0° to 75° and 5.5 meters long airflow, no corner in your room is beyond its reach.



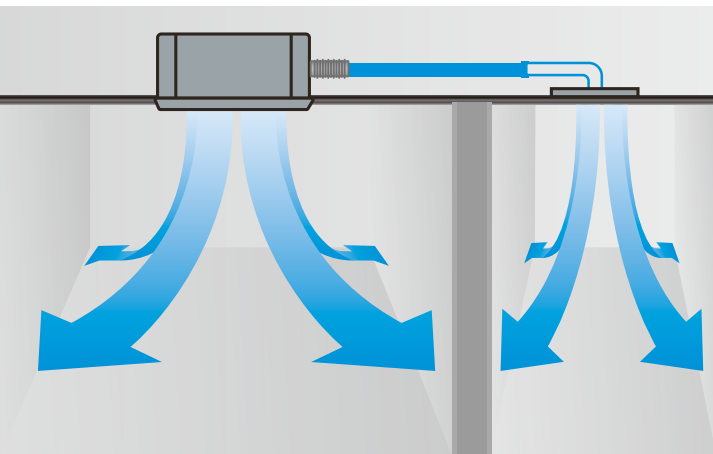
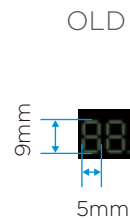
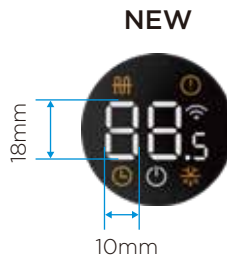
Note: Applicable for R32 model only  
10

# REAL CONVENIENCE WITHOUT HASSLE

Get rid of control trouble through wired and wireless controllers

## LED Display

Larger LED display design, easier to check temperature at any time.



## Reserved Air Outlet For Duct

Reserves the space for air outlet from the side of indoor unit. It's available to connect air duct from side to small rooms nearby.

# REAL HEALTH WITHOUT CONCERNS

## Fresh Air

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



## Water Tray

The water tray is specially upgraded from anti-corrosion plastic material, increased thickness and optimized structure, assuring greater durability and longer product life.






Due to 1.4mm ABS moulding enlargement, the durability of drainage tray will enhance to prevent damage.

Note: Applicable for R32 model only

# Single Split Cassette



Midea Ceiling Cassette					
Model					
Indoor			MCD24-HRFN32E(SG)	MCD32-HRFN32E(SG)	MCD36-HRFN32E(SG)
Outdoor			MOU24-HVN32E(SG)	MOU32-HVN32E(SG)	MOU36-HVN32E(SG)
Power Supply		V-Ph-Hz	220-240V / 1Ph / 50Hz		
Capacity		Btu/h	23781 (9042-28285)	31799 (13136-40193)	31800 (13136-40193)
Input		W	2197	2755	2755
Rated Current		A	9.68 (2.40-10.10)	12.81 (3.70-16.5)	12.81 (3.70-16.5)
COP (Full / Weighted)			(5.32 / 5.73)	(4.90 / 5.52)	(4.90 / 5.52)
Max. Input Consumption		W	4000	5000	5000
Max. Current		A	16.5	22.5	22.5
Indoor Air Flow (H / M / L)		m3/h	1800 / 1650 / 1400	1847 / 1666 / 1484	1847 / 1666 / 1484
Indoor Sound Level (H / M / L)		dB(A)	50.0 / 46.0 / 41.5	51.0 / 48.5 / 46.0	51.0 / 48.5 / 46.0
Indoor Unit	Panel Model			MCD-PANEL32	MCD-PANEL32
	Panel Dimension (W x D x H)		mm	950 x 950 x 55	950 x 950 x 55
	Panel Packing (W x D x H)		mm	1035 x 1035 x 90	1035 x 1035 x 90
	Panel Net / Gross Weight		Kg	6.0 / 9.0	6.0 / 9.0
	Unit Dimension (W x D x H)		mm	830 x 830 x 287	830 x 830 x 287
	Unit Packing (W x D x H)		mm	910 x 910 x 330	910 x 910 x 330
	Unit Net / Gross Weight		Kg	27.5 / 32.0	29.0 / 34.0
Outdoor Sound Level		dB(A)	56.0	59.0	59.0
Outdoor Unit	Dimension (W x D x H)		mm	890 x 342 x 473	946 x 410 x 810
	Packing (W x D x H)		mm	1030 x 438 x 750	1090 x 500 x 885
	Net / Gross Weight		Kg	48.4 / 52.6	67.0 / 72.0
Refrigerant Type		Kg	R32 / 1.9	R32 / 2.5	R32 / 2.5
Piping	Liquid / Gas		mm	9.52 / 15.88	9.52 / 15.88
			inch	3/8" / 5/8"	3/8" / 5/8"
	Max. Length		m	35	35
	Max. Height		m	15	15
	Drain		mm	19	19
Operation temperature		℃	21~43		
Energy Labelling Scheme					





## Note:

1. Capacity is based on indoor temp 27°C DB / 19°C WB. Outdoor temp 35°C DB.
2. The specifications, design and other features are subject to change without prior notice.



# Mini VRF Cassette



Midea - Atom B Series (Ceiling Cassette)						
Model						
Indoor		MDV-D28Q4/N1-E(At)	MDV-D36Q4/N1-E(At)	MDV-D48Q4/N1-E(At)	MDV-D48Q4/N1-E(At)	MDV-D56Q4/HN1-E(At)
Outdoor		MDV-V28WDHN1(SG)	MDV-V36WDHN1(SG)	MDV-V42WDHN1(SG2)	MDV-V48WDHN1(SG2)	MDV-V56WDHN1(SG2)
Power Supply		V-Ph-Hz	220-240V / 1Ph / 50Hz			
Capacity		Btu/h	27534	34017	41012	45413
Input		W	1480	2020	2460	2730
Rated Current		A	16.0	20.0	25.0	30.0
COP (Full / Weighted)			(5.44 / 6.07)	(4.93 / 6.04)	(4.88 / 5.58)	(4.87 / 5.63)
Max. Starting Current		A	24.0	29.0	33.0	33.0
Breaker Size		A	32.0	32.0	40.0	40.0
Connectable Capacity			60%~130%			
Connectable Indoor Quantity			4	6	7	8
Indoor Air Flow (H / M / L)		m3/h	1200 / 1021 / 789	1651 / 1304 / 1127	1658 / 1335 / 1130	1658 / 1335 / 1130
Indoor Sound Level (H / M / L)		dB(A)	42.0 / 39.0 / 37.0	45.0 / 42.0 / 40.0	46.0 / 41.0 / 39.0	46.0 / 41.0 / 39.0
Indoor Unit	Panel Model		T-MBQ4-01E	T-MBQ4-01E	T-MBQ4-01E	T-MBQ4-02E(S)
	Panel Dimension (W x D x H)	mm	950 x 950 x 50	950 x 950 x 50	950 x 950 x 50	950 x 950 x 50
	Panel Packing (W x D x H)	mm	1035 x 1035 x 90	1035 x 1035 x 90	1035 x 1035 x 90	1035 x 1035 x 90
	Panel Net / Gross Weight	Kg	5.8 / 7.9	5.8 / 7.9	5.8 / 7.9	5.8 / 7.9
	Unit Dimension (W x D x H)	mm	840 x 840 x 230	840 x 840 x 300	840 x 840 x 300	840 x 840 x 300
	Unit Packing (W x D x H)	mm	955 x 955 x 260	955 x 955 x 330	955 x 955 x 330	955 x 955 x 330
	Unit Net / Gross Weight	Kg	23.7 / 28.9	28.7 / 34.1	30.9 / 36.3	30.9 / 36.3
Outdoor Sound Level		dB(A)	56.0	56.0	56.0	56.0
Outdoor Unit	Dimension (W x D x H)	mm	950 x 406 x 840	950 x 406 x 840	950 x 406 x 840	950 x 406 x 840
	Packing (W x D x H)	mm	1025 x 510 x 950	1025 x 510 x 950	1025 x 510 x 950	1025 x 510 x 950
	Net / Gross Weight	Kg	62.5 / 70.0	62.5 / 70.0	75.0 / 82.0	79.5 / 86.5
Refrigerant Type		Kg	R410A / 3.20	R410A / 3.20	R410A / 3.10	R410A / 3.60
Piping	Liquid / Gas	mm	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 19.05
		inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 3/4"
	Max. Length	m	70	90	90	130
	Max. Height	m	10	20	20	30
	Drain (OD ø)	mm	32	32	32	32
Operation temperature		°C	15~55			
Energy Labelling Scheme						

## Note:

1. Capacity is based on indoor temp 27°C DB / 19°C WB. Outdoor temp 35°C DB.
2. The specifications, design and other features are subject to change without prior notice.



#### KJR-120P1(X6W)/EF

Flexible Control of Professional Functions

- 4.3" TFT color screen
- Infrared receiver
- Group Control
- Smart Control
- Engineering Mode
- All-round Function Operation
- Multi-language

#### WDC3-86T

Intelligent Control of All-round Functions

- Colour screen
- Infrared receiver
- Group Control / Smart Control
- Smart Control
- Programmable Weekly Timer
- Multiple connect

## Wired Controller

THREE TYPES OF CONTROLLERS  
CONNECT EASY LIFE

### Feature



Remote Control



Multiple Connect



Flexible Operation

## Build-in Infrared Receiver

A family home is full of activity rooms and areas that aren't always in use. Without zoning, you could be keeping areas cool that you don't need to, which sends up your running costs. You can get rid of unnecessary extras from your energy bills and control the temperature in relevant areas of your household with zoning.



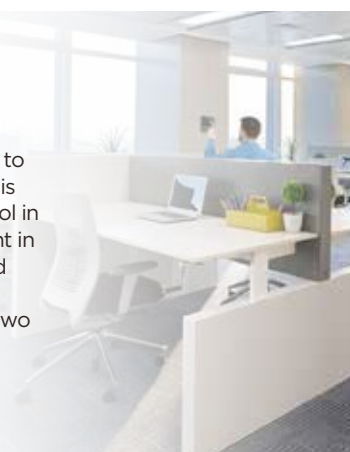
## Smart Control

Equipped with Smart Control function, the wired controller enables the air conditioners to connect with wireless, which helps achieve remote control from anywhere.



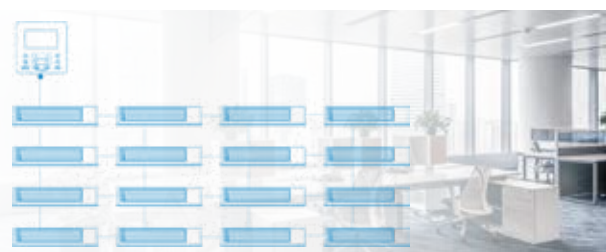
## Dual Control for One IDU

Two wired controller can match to one air conditioner. This feature is designed to humanize the control in reality. You can make adjustment in living room and choice preferred modes after getting back to bedroom. It's feasible to set on two long-distance sides.



## Group Control

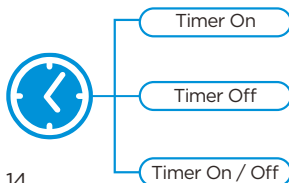
Midea EXTRA & PRO wired controller can adjust the operation mode, temperature and fan speed of up to 16 indoor units together. It saves the cost and simplifies the control of multiple IDUs in big spaces where it needs even temperature. One command controls all of machines to keep them aligned.



## Flexible Operation

### Timer

Set the air conditioner to turn on or off within 24 hours, with a minimum interval of 0.5 hours.



### Weekly Timer

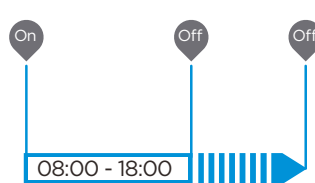
7-day setting with 2 modes to choose from.

Mode 1				
Session	1	2	3	4
Setting	4 different session for 1 day Only switch on/off Setting			

Mode 2								
Session	1	2	3	4	5	6	7	8
Setting	8 different session for 1 day Every session can have different setting mode, temperature, fan speed, switch on/off							

### Delay Timer

When the air conditioner is running on a weekly timer, starting the delay timer delays the setting by 1-2 hours.



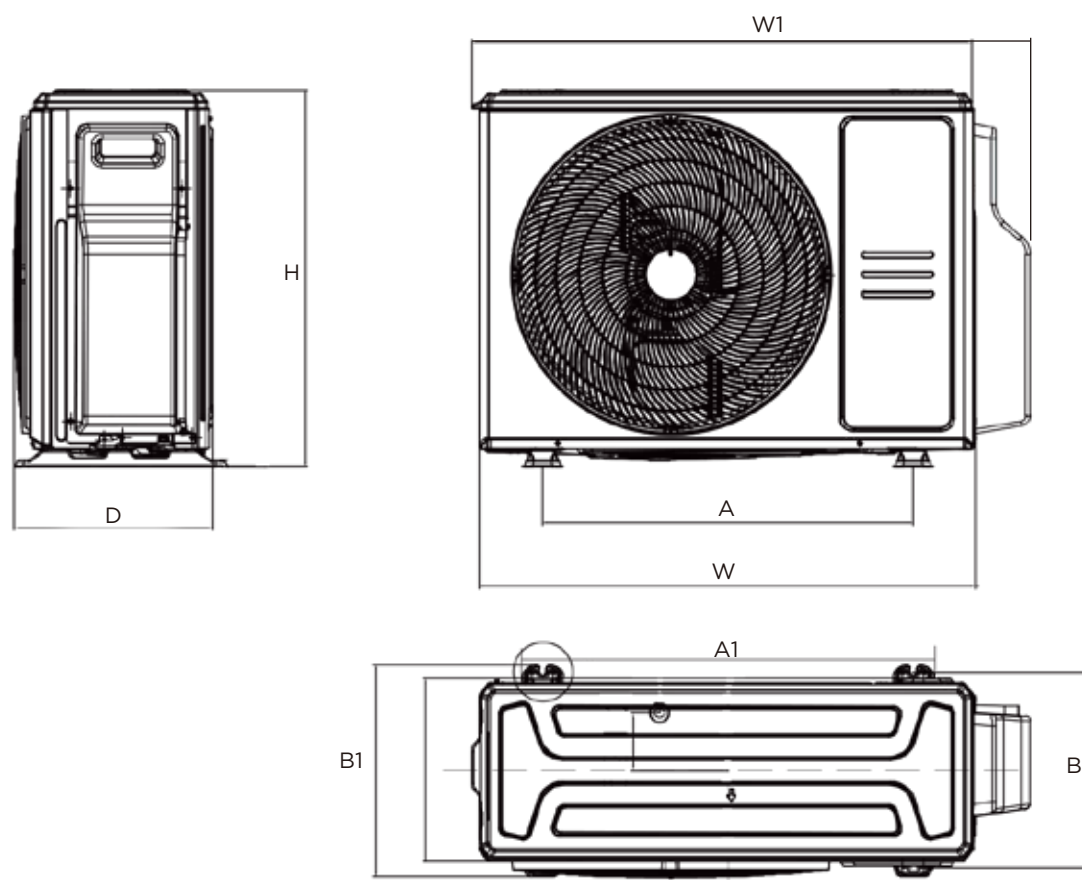
### Auto Restart



When the wired controller is accidentally powered off due to a power outage, it will automatically run its previous settings when power is restored.

- Mode
- Fan speed
- Setting temperature
- On-off state
- Follow Me function state
- Swing state
- Backup & rotation
- SH function
- Buzzer on-off state
- 24/12 hour display state
- Weekly timer setting
- Engineering mode setting

## Outdoor Dimension



Model	Ticks	W	H	D	W1	A	A1	B	B1	Net W (Kg)
<b>Ceiling Cassette</b>										
MOU24-HVN32E(SG)	5	890	673	342	990	663	737	348	380	48.4
MOU32-HVN32E(SG)	5	946	810	410	1034	673	746	403	465	67.0
MOU36-HVN32E(SG)	5	805	810	410	1034	673	746	403	465	67.0

Model	Ticks	W	H	D	W1	A	A1	B	B1	Net W (Kg)
<b>Atom B Series (Mini VRF)</b>										
MDV-V28WDHN1(SG)	5	950	840	406	-	590	680	390	440	62.5
MDV-V36WDHN1(SG)	5	950	840	406	-	590	680	390	440	62.5
MDV-V42WDHN1(SG2)	5	950	840	406	-	590	680	390	440	75.0
MDV-V48WDHN1(SG2)	5	950	840	406	-	590	680	390	440	79.5
MDV-V56WDHN1(SG2)	5	1040	865	452	1053	656	750	463	523	93.0



**MD (SINGAPORE) Consumer Product Co. Pte Ltd**

151 Lor Chuan, #04-05 (Lobby E), New Tech Park, Singapore 556741

Website: [www.midea.com/sg](http://www.midea.com/sg)

Customer Service Hotline: +65 6655 7666

Email: [gmcs@midea.com](mailto:gmcs@midea.com)



**Scan here to view  
more at [midea.sg](http://midea.sg)**

**Products specifications, designs and other contents featured in this brochure are as per on July 2025, but subjected to change without notice.**