Low-Static Slim Duct

Invisible installation, powerful performance, the perfect choice for creating acomfortable space.

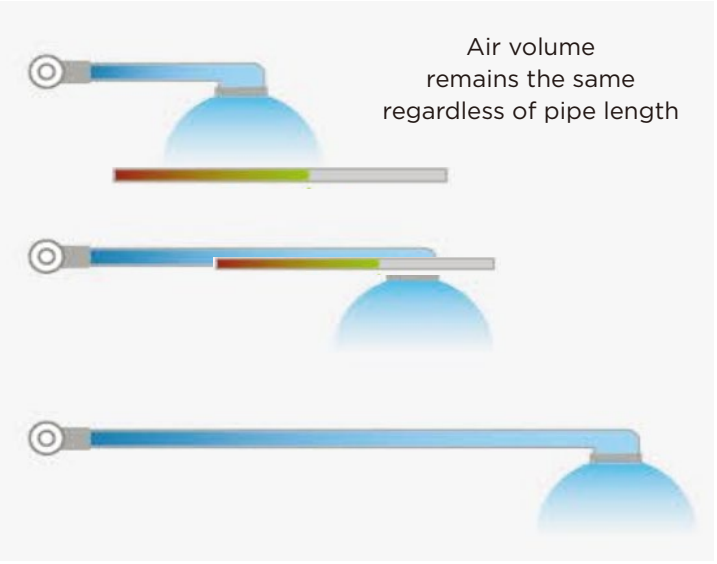
XTREME HEAT

US CA

Core Features

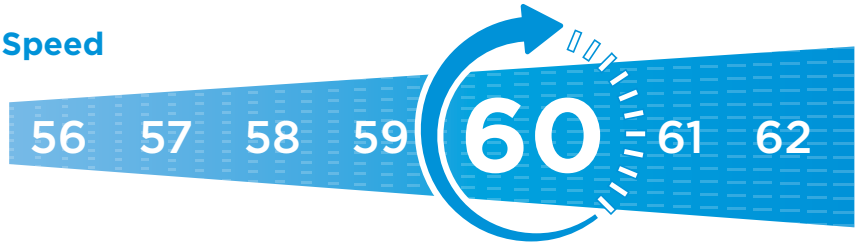
Constant Airflow

With constant air volume control, the indoor unit cools every room consistently and accurately with both short pipes and long pipes.



0 - 100% Seamless Fan Speed

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

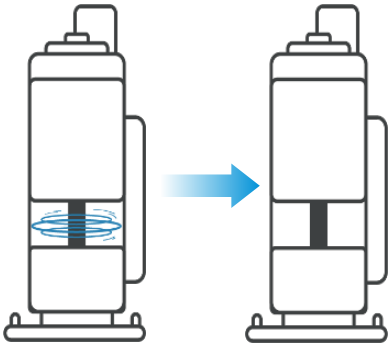


Refrigerant Leak Detection System

The system will stop the compressor operation of the outdoor unit to prevent the refrigerant from flowing into the indoor space continuously.

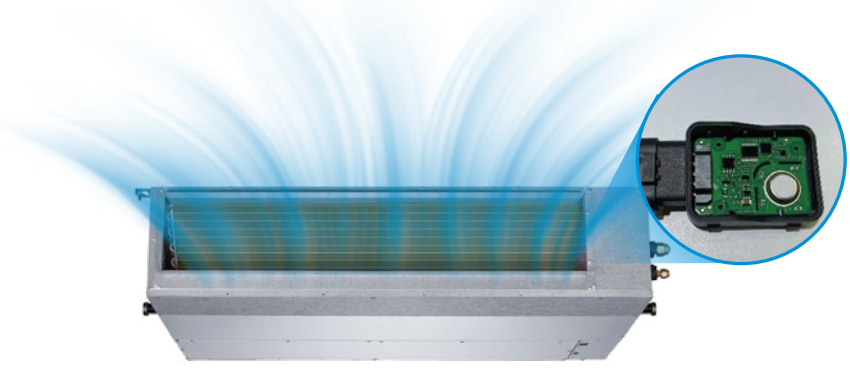
1 Compressor stops

The system will stop the compressor operation of the outdoor unit to prevent the refrigerant from flowing into the indoor space continuously.



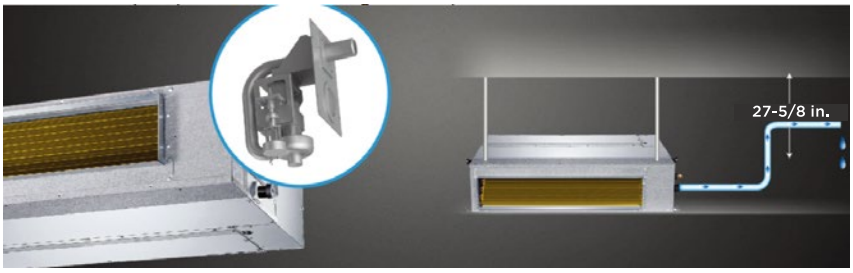
2 The indoor fan runs to deliver constant airflow

As a result, the total amount of R454B refrigerant in the indoor space will be reduced to a safe level.



Built-in Drain Pump

The built - in drain pump can lift condensing water up to 27 - 9/8 inches (700mm)



Control

For different usage scenarios, multiple control solutions are provided: the APP remote control allows you to manage your system anytime and anywhere, and the wired controller and remote control meet the needs of different users.

SmartHome App

The SmartHome App is for those who want to live their life on the go and who want to control their air conditioner system from their smartphone.

Download The App

Scan the QR code in the User ManualSelect "SmartHome" in the App Store.

SmartHome

Download the app & activate product

Download on the App Store

GET IT ON Google Play

Works With Your Home Automation System

Use the SmartHome App or integrate your air conditioner into your Alexa or Google Home systems.

works with alexa

works with Google Home

Google and Google Home are trademarks of Google LLC.

Smart Home

Available Controllers

Midea has a variety of wired or remote controls available.

Wired Wall Controllers

120N

120L

MTL04-1

MTR03-1
(Coming Soon)

Remote Control

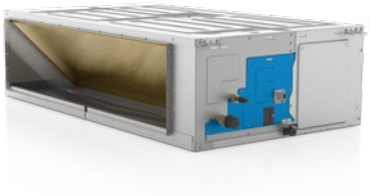
RG10

Installation

2-Way Installation, Ceiling Concealed Or Floor Concealed

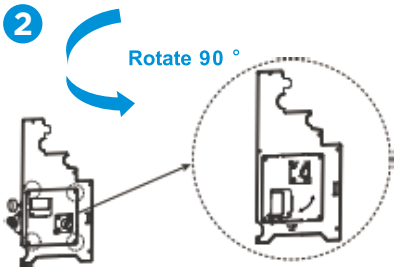
Choose between ceiling or floor concealed installation. If you choose vertical installation and purchase equipment with a pump, please follow the steps below.

1 Ceiling Concealed



Remove the electrical control box cover, unplug the pump and water level switch terminals from the main control board.

2



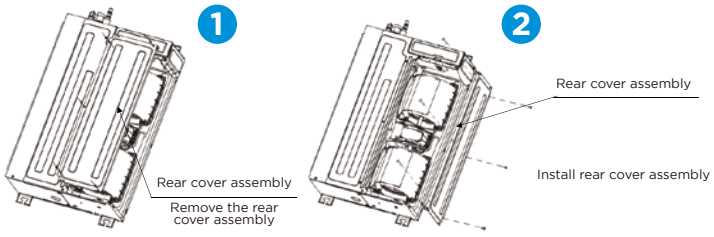
Disassemble the pump components. Remove the 4 screws, rotate the water pump components by 90° and fix them to the water pump mounting plate again.

3 Floor Concealed

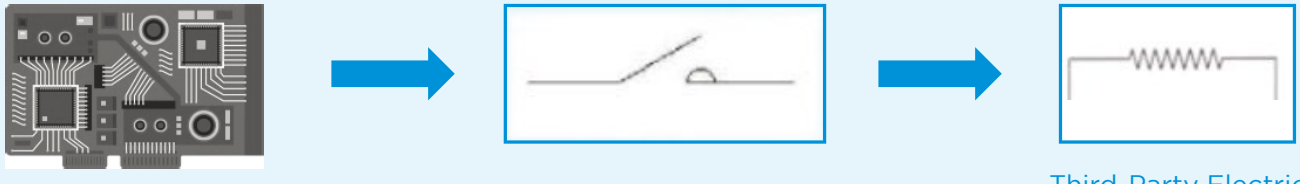
Install the pump parts in the machine and connect the wiring set.

Indoor Unit Two Return Air Methods

Return air box on-site adjustment — This series of models has two return air methods:
1. Rear return air is the factory default (if installation space permits, it is recommended to use this method for installation to achieve a better experience).
2. Bottom return air can be adjusted according to the diagram.



Electric Auxiliary Heating Wiring



The Conversion Board — AC Contactor — Third-Party Electric Auxiliary Heating

Connection steps for the conversion board and electric auxiliary heating:
1. Connect the cable from the conversion board RL401 interface 4 (marked with a yellow circular frame) to the auxiliary electric heating Control Signal interface.
2. Connect the cable from the conversion board RL402 interface 3 (marked with a yellow square frame) to the auxiliary electric heating Output 230 V AG interface.

Note:
» If the rated current of the auxiliary electric heating used in combination is <13.6 A, the above two ports can be directly connected to the corresponding interfaces of the auxiliary electric heating.
» If the rated current of the auxiliary electric heating used in combination is ≥13.6 A, an AC contactor should be added between the above two ports and the auxiliary electric heating, and the rated current value of the AC contactor should be ≥1.2 times the rated current value of the auxiliary electric heating.

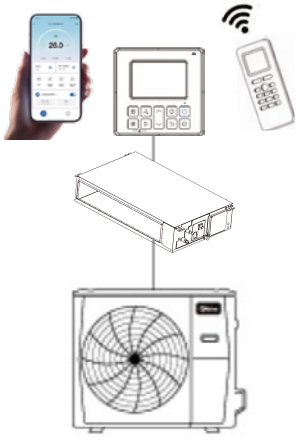
Single-Family Homes & Town-houses Types

Old Unit Replacement Scenario:
In the case where both indoor and outdoor units are replaced, existing piping, wiring, and 24V thermostats can be used (using a 24V Mini interface or a 24V Full Function interface kit). The air outlet of the indoor unit needs to be adjusted according to the size of the model.

24V Mini interface

24V Full Function Interface Kit

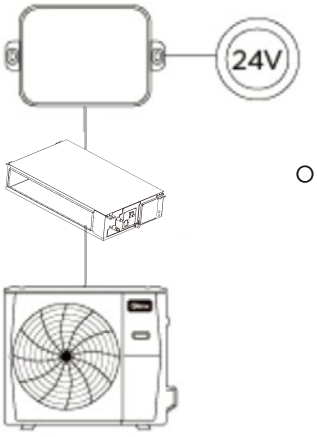
1 Midea System Set



SmartHome App + Wired Remote Controller + Remote Controller

Or

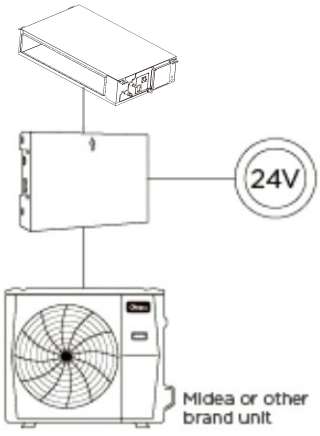
2 Midea System Set



24V Mini Interface

Or

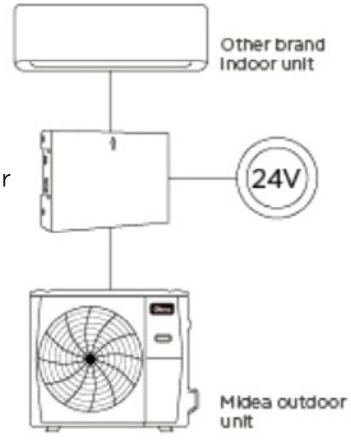
3 Midea System Set



24V Full Function Interface Kit

Or

4 Midea Outdoor Unit + Other Brand Indoor Unit*



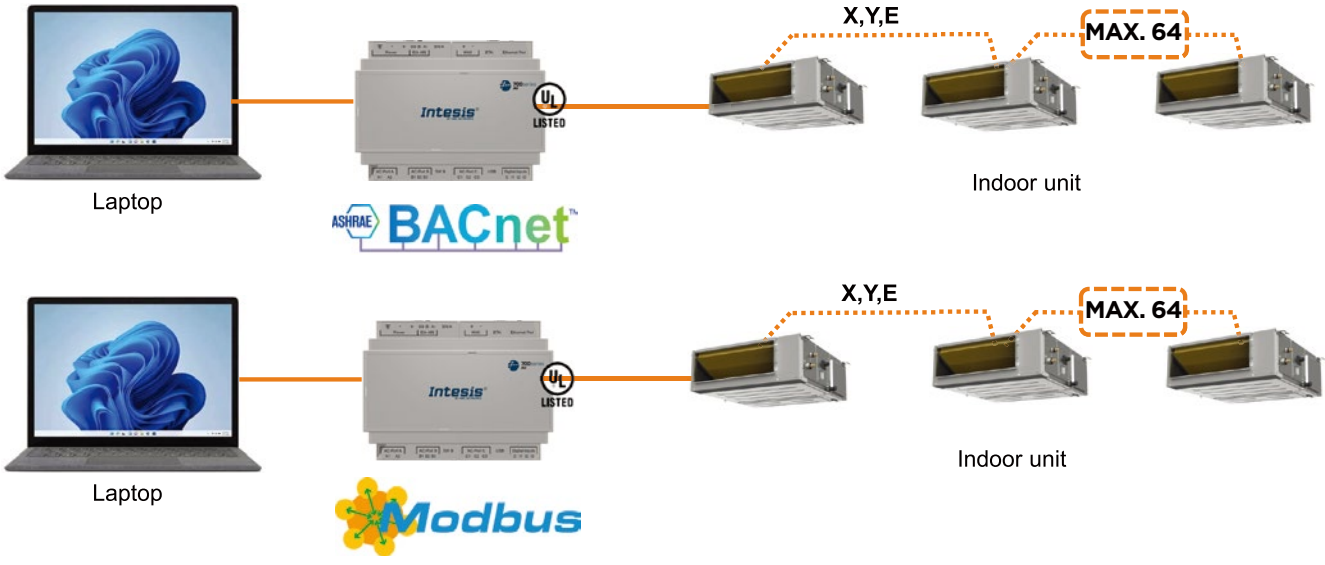
24V Full Function Interface Kit

Outdoor Unit ONLY Replacement Scenario:
Use the existing indoor unit, piping, wiring, and 24V thermostat (a 24V Full Function interface kit).

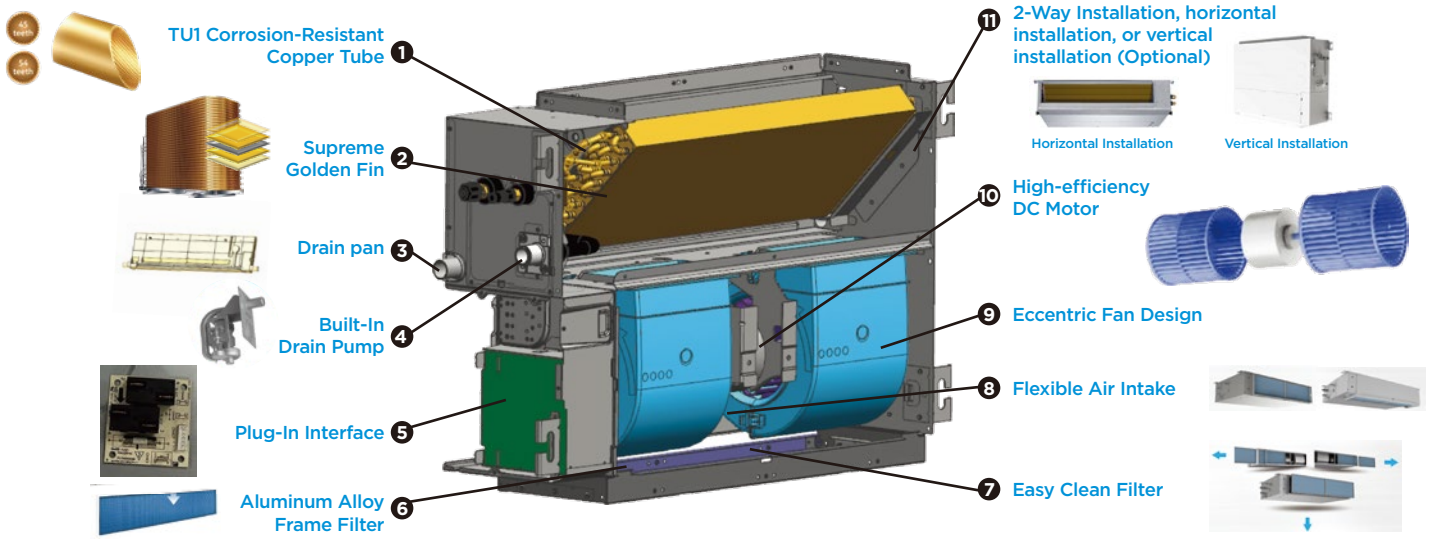
Note: *Communication between indoor and outdoor units must remain consistent.

Building Management Scenarios

Single-Family Homes & Town-houses types
BMS Gateways Control Systems Application Scenario

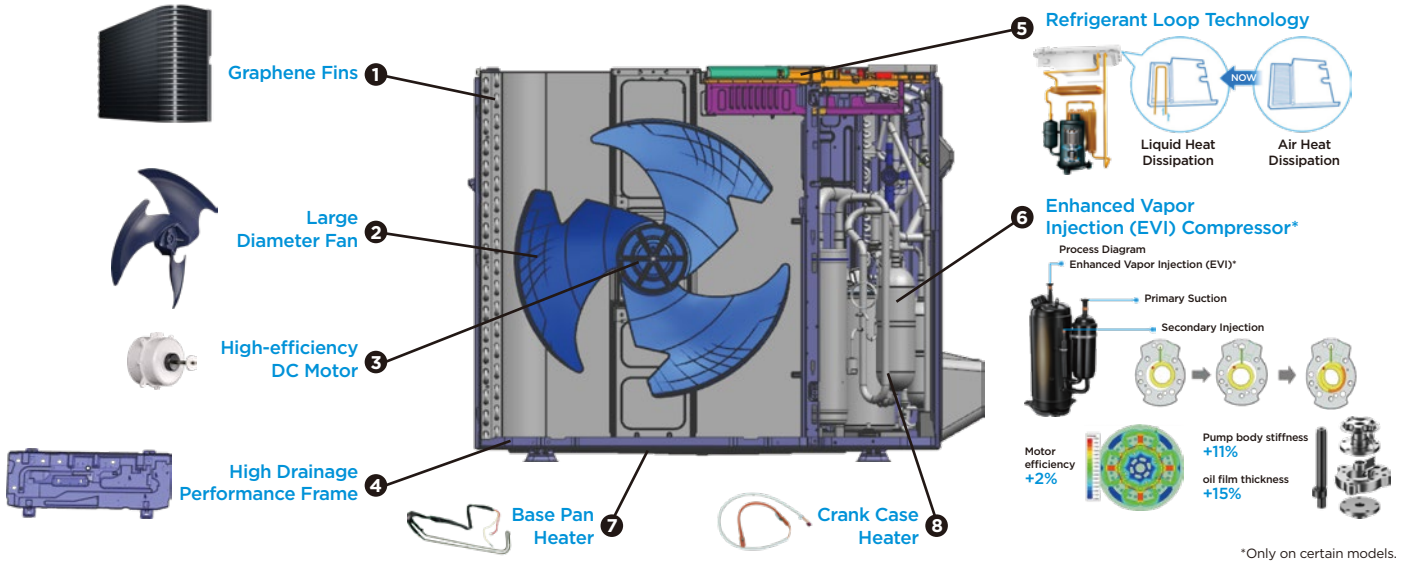


A Closer Look At The Indoor Unit



1. Advanced techniques create a homogeneous micro-structure for TU1 tubes, featuring high-density copper with 70% fewer impurities than standard tubes, and ensuring no harm to human health, unlike coated tubes.
2. Features a double-sided five-layer structure, enhancing hydrophilic performance by 68% and tripling corrosion resistance. Golden Coating Technology provides superior resistance to oxidation, corrosion, bacteria, and harsh environmental elements, ensuring a durable and stable working environment.
3. Using an integrated injection-molded plastic drain pan offers higher strength, reduces installation risks, and features full insulation coverage at the bottom to prevent condensation.
4. From gravity drainage to the increase in head to 27-5/8 inches (700 mm) after installing the water pump, the installation flexibility and speed have been improved.
5. The electric auxiliary heating adopts a plug-in interface design, compatible with electric auxiliary heating devices of the same port on the market. It offers flexible options to meet diverse needs. (Optional).
6. Upgraded Magnetic SuctionReturn Air Filter Material: Aluminum Alloy Frame, Filter Material: PP FilterReturn Air Filter Installation Method: Magnetic Suction Design, Easy to Disassemble.
7. You can pull out the filter from the left, right, or from the bottom for easy cleaning.
8. The frame size of the air inlet at the rear and bottom is the same. It's very easy to switch to match different applications.
9. The new eccentric fan design enhances airflow at the air outlet, resulting in improved performance.
10. Features high energy efficiency, low noise, precise control, and long lifespan, enhancing comfort and reliability comprehensively.
11. Compatible with both horizontal and vertical installation

A Closer Look At The Outdoor Unit



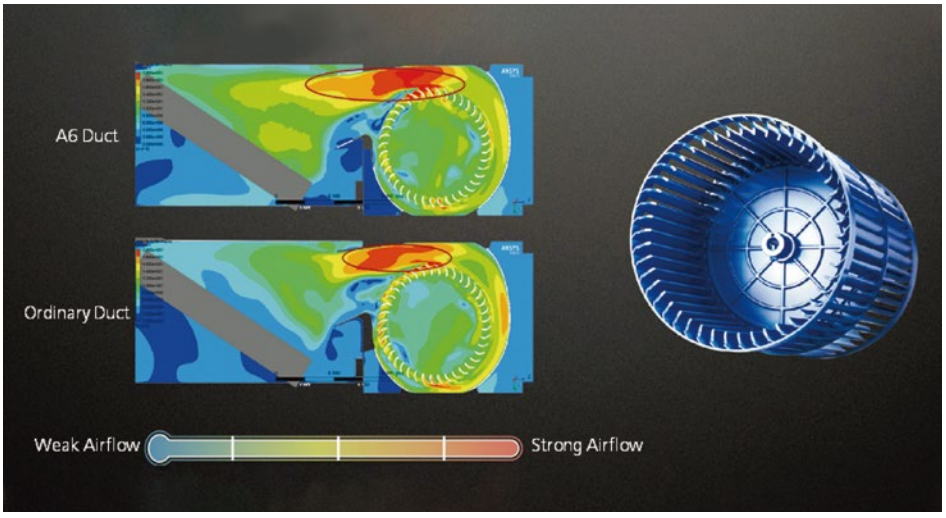
*Only on certain models.

1. Graphene fins offer superior corrosion resistance, effectively resisting the erosion caused by acidic and alkaline substances, as well as moisture in the external environment, thereby extending the lifespan of the outdoor unit of the air conditioner.
2. Adopting a large diameter fan 17-1/16-22-1/16 inches (434-560 mm), the increased airflow improves energy efficiency.
3. Features high energy efficiency, low noise, precise control, and a long lifespan, improving comfort and dependability overall.
4. Through meticulous design of the drainage holes and the slope of the drainage path, the drainage performance is improved, and the re-freezing of the base plate is suppressed.
5. More efficient heat dissipation, allowing powerful cooling in extremely hot environments, is better suited for harsh urban heat conditions than regular air conditioners.
6. Stable operation at -22°F (-30°C) on certain models: achieves no electric heating for the indoor unit, ensuring energy efficiency and safety.
7. Through meticulous design of the drainage holes and the inclination of the drainage path, the drainage performance is improved, and the re-freezing of the base plate is suppressed.
8. Prevents freezing of refrigerant oil and liquid slugging in low-temperature environments, ensuring stable equipment operation. It also reduces wear, extends compressor lifespan, and improves operational efficiency.

Flexible Installation Options: Single-Family & Multi-Family Homes

Eccentric Fan Design

New eccentric fan design improves the airflow at the air outlet, resulting in better performance.



Flexible Air Intake

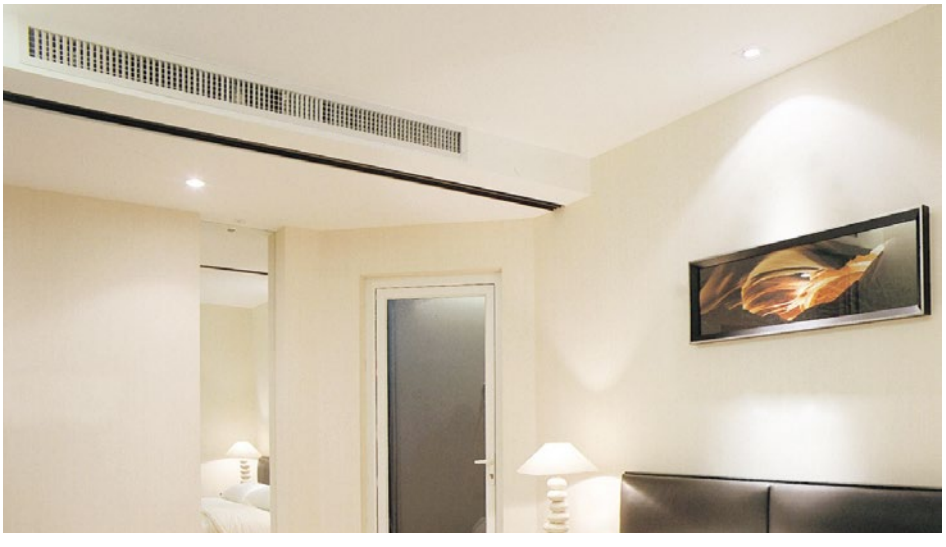
The frame size of the air inlet at the rear and bottom is the same. It's very easy to switch to match different applications.

Air intake from rear (Standard)

Air intake from bottom (Optional)

Slim Design

The industry's lowest height is designed to be fitted into tight roof space.



Summary of Features Low-Static Slim Duct

	Vacation mode	•
	Fan only	•
ECO	ECO mode	•
	Silent Mode	•
	Auto-defrost	•
	Anti-cold air function	•
	Constant air volume	•
	360° air flow panel	
	Sleep mode	•
	Air filter	•
	Dry mode	•
Smart Home	Smart home app	•
	Timer	•
	Infrared remote control	•
	WIFI	•
	Wired controller	•
	Self-diagnosis&auto-protection	•
	Build-in drain pump	•
	Power down memory	•
	i-Clean	•
GEAR	Gear	•
	Remote on/off	•
	Central controller	•
	Alarm	•
	Humidify control	
	follow me	•
	Golden fin	•
	Refrigerant leakage detect	•
	Swing (up and down)	
	Vertical Swing (left and right)	
	Turbo	•
	LED	
WEEK	Weekly Timer	•
100	1%~100% Fan Speed Setting	•
°F	°C and °F Change	•
	Child Lock	•
	Engineering Mode Available	•
	OTA	•
	TU1 Copper Tubes	•
	ODU Base Pan Heater	•
	ODU Crankcase Heater	•
	ODU Multiple Hole Base Pan	•
	Low ambient cooling	•
	auto-restart	•

Low-Static Slim Duct Xtreme Heat Specification

Model	Indoor Unit		MDLHU-H06B-2A	MDLHU-H09B-2A	MDLHU-H12B-2A	MDLHU-H18B-2A
	Outdoor Unit		MO1HS-H06B-2A	MO1HS-H09B-2A	MO1HS-H12B-2A	MO1HS-H18B-2A
Performance						
Power Supply		V-,Hz,Ph	208/230, 1, 60			
SEER2 (AHRI 210/ 240 - 2023)	Cooling Capacity	Btu/h	6,500	9,000	12,000	17,000
	Heating Capacity	Btu/h	8,000	10,000	12,500	19,000
	SEER2	Btu/w	21.4	21.4	20.0	18.0
	EER2	Btu/w	14.4	13.4	12.0	12.0
	HSPF2-4	Btu/w	13.8	12.5	10	10.5
	HSPF2-5	Btu/w	10.8	9.7	8	9.0
Heating at 5°F (-15°C)	Rated capacity	Btu/h	7,800	11,200	11,800	18,000
	COP	W/W	2.40	1.89	1.90	2.00
Indoor unit						
Eternal Static Pressure (ESP)	Range	Pa	0-100			
		In. wc.	0-0.40			
Air Flow Volume	Turbo/Hi/Mi/ Lo/Si	CFM	324/265/206/147/118		400/324/265/ 177/118	600/559/500/ 441/441
Noise Level	Turbo/Hi/Mi/ Lo/Si	dB(A)	33/33/31/ 30/22	33/33/31/ 30/23	36/36/35/ 33/26	40/40/39/ 38 /32
Net Dimension	WxDxH	mm	700×506×200			880×674×210
	WxDxH	inch	27-1/2x19-7/8x7-7/8			34-5/8x26-1/2x 8-1/4
Packing Dimension	WxDxH	mm	860×540×285			1070×725×280
	WxDxH	inch	33-7/8x21-1/4x11-1/4			42-1/8x28-1/2x11
Net/Gross Weight		kg	17.9/21.2			24.7/30
		lbs	39/47			55/66
Piping Size	Liquid side	inch	1/4			
	Gas side	inch	3/8			1/2

Low-Static Slim Duct Advanced Heat Specification

Model	Indoor Unit		MDLHU-H09B-2A	MDLHU-H12B-2A	MDLHU-H18B-2A
	Outdoor Unit		MO1ES-H09B-2A	MO1ES-H12B-2A	MO1ES-H18B-2A
Performance					
Power Supply		V, Ph, Hz	208/230, 1, 60		
SEER2 (AHRI 210/ 240 - 2023)	Cooling Capacity	Btu/h	9,000	11,500	17,000
	Heating Capacity	Btu/h	10,000	12,000	20,000
	SEER2	Btu/w	19.5	19.0	20.0
	EER2	Btu/w	12.8	11.7	12.5
	HSPF2-4	Btu/w	11.0	10.2	10.5
	HSPF2-5	Btu/w	8.8	8.0	8.2
Heating at 5°F (-15°C)	Rated Capacity	Btu/h	8,000	13,000	20,000
	COP	W/W	2.25	2.25	2.20
Indoor unit					
Eternal Static Pressure (ESP)	Range	Pa	0-100		
		In. wc.	0-0.40		
Air Flow Volume	Turbo/Hi/Mi/ Lo/Si	CFM	324/265/206/ 147/118	400/324/265/ 177/118	600/559/500/ 441/441
Noise Level	Turbo/Hi/Mi/ Lo/Si	dB(A)	34/34/33/ 29/24	N\A/37/35/ 33.5/26	N\A/40.5/39/ 38/35
Net Dimension	WxDxH	mm	700×506×200		880×674×210
	WxDxH	inch	27-1/2x19-7/8x7-7/8		34-5/8x26-1/2x8-1/4
Packing Dimension	WxDxH	mm	860×540×285		1070×725×280
	WxDxH	inch	33-7/8x21-1/4x11-1/4		42-1/8x28-1/2x11
Net/Gross Weight		kg	17.9/21.2		24.7/30
		lbs	39/47		55/66
Piping Size	Liquid side	inch	1/4		3/8
	Gas side	inch	3/8	1/2	5/8