

High-Static Slim Duct

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

XTREME HEAT

US CA





Core Features

Slimmer & Lighter

This series features an ultra - thin design, offering adapting to diverse architectural structures and design requirements. It seamlessly integrates into various living spaces, enhancing spatial aesthetics, and elevating overall style.



Constant Air Flow & Static Pressure Up To 0.8

With Auto Airflow Match, A7 Duct can automatically match the airflow volume to different ducting designs, resulting in installation convenience, a comfortable experience, and cost savings.



Different Ductwork Designs Same Air Volume

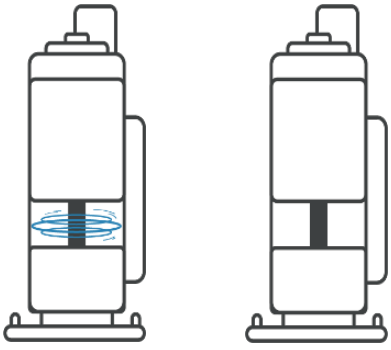


Refrigerant Leak Detection System

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

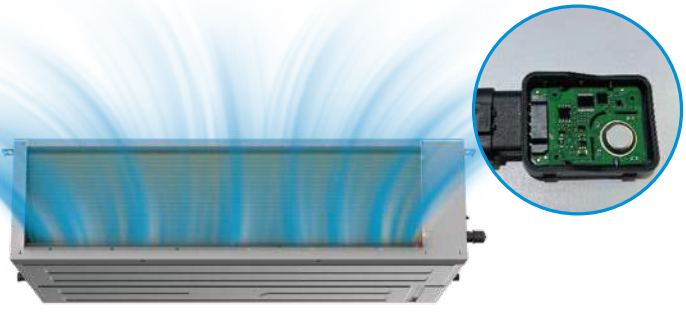
1 Compressor stops

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



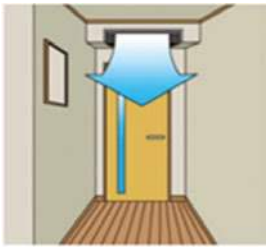
2 The indoor fan runs to deliver constant airflow

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



Flexible Installation

Perfectly suited for various single and multi-family dwelling layouts, ensuring easy and convenient setup.






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

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.



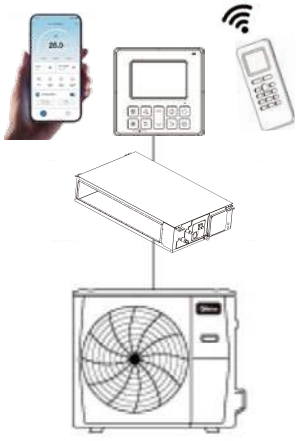
24V Mini interface





24V Full Function Interface Kit

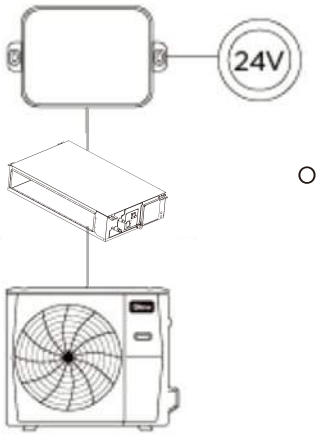
1 Midea System Set



SmartHome App + Wired Remote Controller + Remote Controller

Or

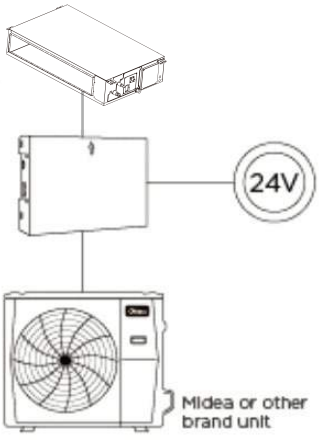
2 Midea System Set



24V Mini Interface

Or

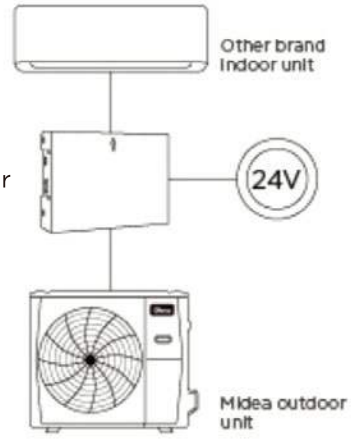
3 Midea System Set



24V Full Function Interface Kit

Or

4 Midea Outdoor Unit + Other Brand Indoor Unit*



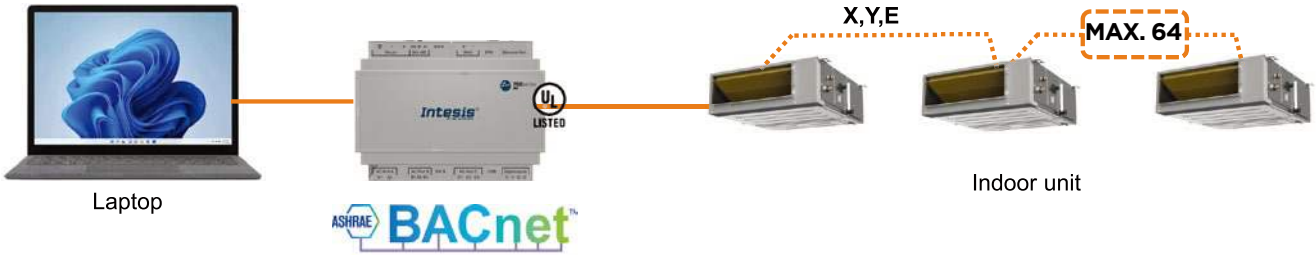
24V Full Function Interface Kit

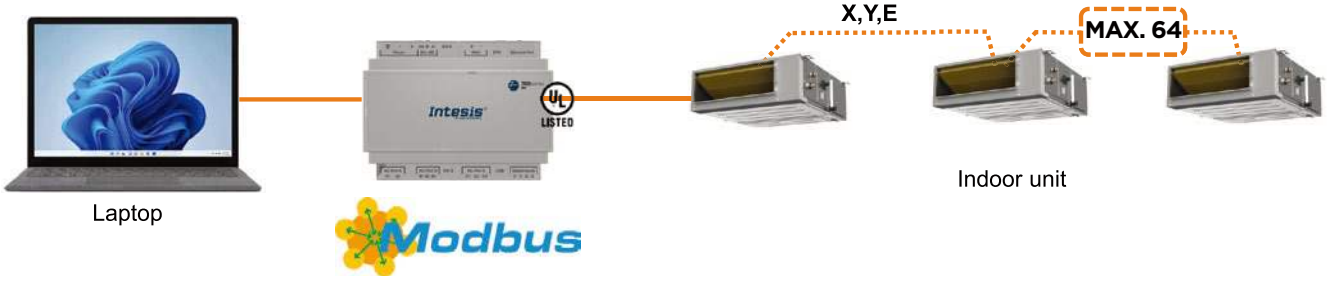
Outdoor Unit ONLY Replacement Scenario:
Use the existing indoor unit, piping, wiring, and 24V thermostat (a 24V Full Function interface kit).

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

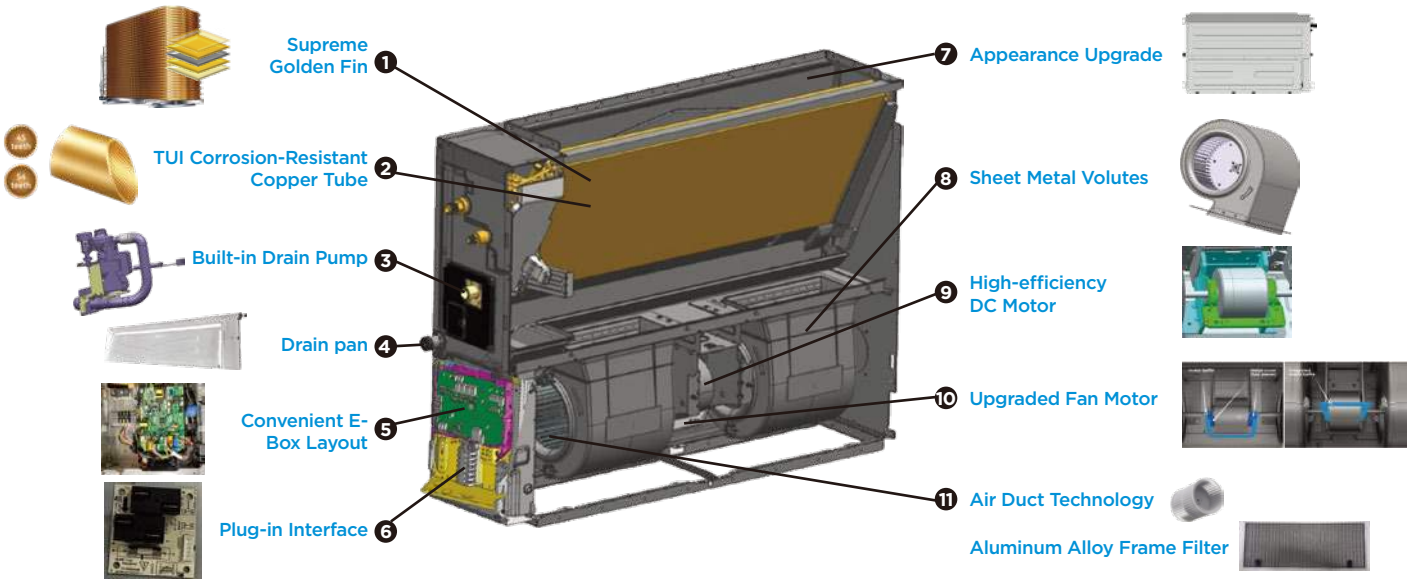
Building Management Scenarios

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



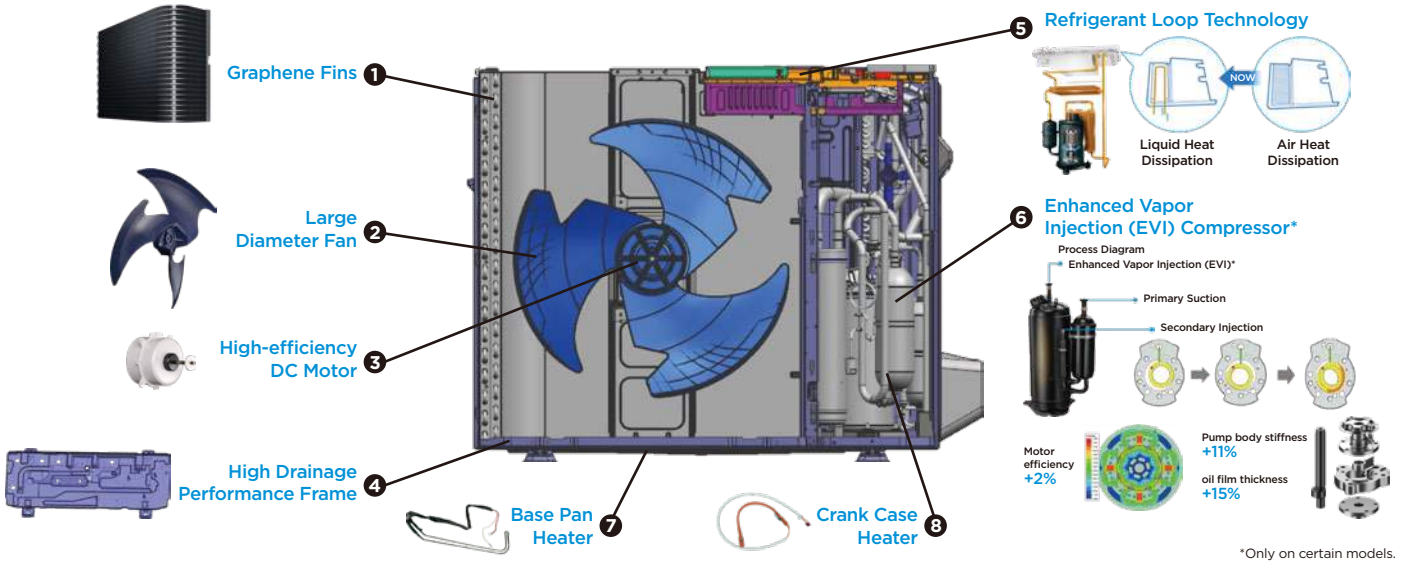


A Closer Look At The Indoor Unit



1. 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.
2. Advanced techniques create a homogeneous micro - structure for TUI tubes, featuring high - density copper with 70% fewer impurities than standard tubes, and ensuring no harm to human health, unlike coated tubes.
3. From gravity drainage to the increase in head to 39.8 inches (1000 mm) after installing the water pump, the installation flexibility and speed have been improved.
4. 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.
5. Features a convenient wiring design, making it easy to wire and reducing the risk of wiring errors.
6. The electric auxiliary heating adopts a "T"-shaped interface design, compatible with electric auxiliary heating devices of the same port on the market. It offers flexible options to meet diverse needs. (Optional)
7. Featuring a "T"-shaped reinforced rib design, enhancing structural strength and quality while combining durability with an industrial design style.
8. Features high energy efficiency, low noise, precise control, and a long lifespan, thoroughly enhancing comfort and reliability.
9. The design of the integrated motor bracket, previously consisting of three parts, is now integrated into one, improving installation stability and facilitating disassembly and assembly.
10. Utilizing arc - shaped volutes and owl wing - inspired impellers, the design reduces noise by 3 to 5 decibels and enhances efficiency across the air duct system.
11. Upgraded Magnetic Suction bottom Air Filter Material: Aluminum Alloy Frame, Filter Material: PP Filter cotton Air Filter Installation Method: Magnetic Design, Easy to Disassemble.

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

Space-Saving Design

Concealed installation of ducted air conditioners frees up more usable space.



Energy Efficiency

A High energy efficiency ratio helps apartment residents save on energy costs.



2-Way Installation, Ceiling Concealed Or Floor Concealed

Choose between ceiling or floor concealed installation.



Summary of Features

High-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	SmartHome App	•
	Timer	•
	Infrared Remote Control	•
	WiFi	•
	Wired Controller	•
	Self-Diagnosis & Auto-Protection	•
	Built-In Drain Pump	•
	Power Down Memory	•
	i-Clean	•
GEAR	Gear	•
	Remote On/Off	•
	Central Controller	•
	Alarm	•
	Humidity control	
	Follow Me	•
	Golden Fin	•
	Refrigerant Leak Detection	•
	Swing (Up & Down)	
	Vertical Swing (Left & 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	•

High-Static Slim Duct Xtreme Heat Specification

Model	Indoor Unit		MDHHU-H09B-2A	MDHHU-H12B-2A	MDHHU-H18B-2A	MDHHU-H24B-2A
	Outdoor Unit		MO1HS-H09B-2A	MO1HS-H12B-2A	MO1HS-H18B-2A	MO1HS-H24B-2A
Performance						
Power Supply		V-,Hz,Ph	208/230, 1, 60			
SEER2 (AHRI 210/240 - 2023)	Cooling Capacity	Btu/h	9,000	12,000	17,500	24,000
	Heating Capacity	Btu/h	9,900	12,000	19,500	26,000
	SEER2	Btu/w	20.5	20	18.4	19
	EER2	Btu/w	14.0	12.0	12	12.0
	HSPF2-4	Btu/w	13.8	10.6	11.1	11.7
	HSPF2-5	Btu/w	10.8	8.5	9.0	9.3
Heating at 5°F (-15°C)	Rated capacity	Btu/h	11,900	12,000	18,000	24,000
	COP	W/W	1.85	1.95	2.10	2.18
Indoor unit						
Eternal Static Pressure (ESP)	Range	Pa	0-200			
		In. wc.	0-0.80			
Air Flow Volume	Turbo/Hi/Mi/Lo/Si	CFM	344/288/231/201/122	419/350/256/216/135	706/618/530/441 441	854/706/618/500/500
Noise Level	Turbo/Hi/Mi/Lo/Si	dB(A)	30/30/29/28/26	33/33/31/29/26	36/36/34/32/28	40/40/37/35/30
Net Dimension	WxDxH	mm	700×750×245		1000×750×245	
	WxDxH	inch	27-1/2x29-1/2x9-5/8		39-3/8x29-1/2x9-5/8	
Packing Dimension	WxDxH	mm	925×850×298		1225×860×304	
	WxDxH	inch	36-3/8x33-1/2x11-3/4		48-1/4x33-7/8x12	
Net/Gross Weight		kg	29.1/33.5		36.2/41.4	36.5/41.7
		lbs	64/74		80/92	
Piping Size	Liquid side	inch	1/4			3/8
	Gas side	inch	3/8		1/2	5/8

Model	Indoor Unit		MDHHS-H36B-2A	MDHHS-H48B-2A	MDHHS-H60B-2A
	Outdoor Unit		MO1HU-H36B-2A	MO1HU-H48B-2A	MO1HU-H60B-2A
Performance					
Power Supply		V-,Hz,Ph	208/230, 1, 60		
SEER2 (AHRI 210/240 - 2023)	Cooling Capacity	Btu/h	36,000	48,000	58,000
	Heating Capacity	Btu/h	40,000	50,000	60,000
	SEER2	Btu/w	18.7	17.1	17.0
	EER2	Btu/w	10.1	10.0	10.0
	HSPF2-4	Btu/w	11.1	10.8	10.4
	HSPF2-5	Btu/w	9.2	8.8	8.7
Heating at 5°F (-15°C)	Rated capacity	Btu/h	25,600	38,000	40,000
	COP	W/W	2.10	2.00	2.20
Indoor unit					
Eternal Static Pressure (ESP)	Range	Pa	0-200		
		In. wc.	0-0.80		
Air Flow Volume	Turbo/Hi/Mi/Lo/Si	CFM	1236/1060/942/765/765	1648/1472/1295/1060/1060	2001/1707/1413/1118/1118
Noise Level	Turbo/Hi/Mi/Lo/Si	dB(A)	45/45/40/33/30	51/51/46/42/40	52/52/48/43/42
Net Dimension	WxDxH	mm	1200×750×300		1400×800×380
	WxDxH	inch	47-1/4x29-1/2x11-3/4		55-1/8x31-1/2x15
Packing Dimension	WxDxH	mm	1425×860×359		1600×915×445
	WxDxH	inch	56-1/8x33-7/8x14-1/8		63x36x17-1/2
Net/Gross Weight		kg	48.2/54.6	50.5/56.6	73.2/80.8
		lbs	107/120	111/125	161/178
Piping Size	Liquid side	inch	3/8		
	Gas side	inch	3/4		

High-Static Slim Duct
Advanced Heat Specification

Model	Indoor Unit		MDHHU-H09B-2A	MDHHU-H12B-2A	MDHHU-H18B-2A	MDHHU-H24B-2A
	Outdoor Unit		MO1ES-H09B-2A	MO1ES-H12B-2A	MO1ES-H18B-2A	MO1ES-H24B-2A
Performance						
Power Supply		V, Ph, Hz	208/230, 1, 60			
SEER2 (AHRI 210/ 240 - 2023)	Cooling Capacity	Btu/h	9,000	12,000	17,500	24,000
	Heating Capacity	Btu/h	10,000	12,000	20,000	25,000
	SEER2	Btu/w	19.7	19.5	20.0	19.0
	EER2	Btu/w	13.0	12.0	13.3	12.5
	HSPF2-4	Btu/w	11.5	10.5	11.3	11.0
	HSPF2-5	Btu/w	9.0	8.0	8.8	8.5
Heating at 5°F (-15°C)	Rated capacity	Btu/h	8,300	8,900	14,200	19,000
	COP	W/W	2.31	2.44	2.40	2.30
Indoor unit						
Eternal Static Pressure (ESP)	Range	Pa	0-200			
		In. wc.	0-0.80			
Air Flow Volume	Turbo/Hi/Mi/Lo/Si	CFM	344/288/231/201/122	419/350/256/216/135	706/618/530/441/441	854/706/618/500/500
Noise Level	Turbo/Hi/Mi/Lo/Si	dB(A)	31/31/30/29/28	34/34/33/31/29	40/37/35/33/29	43/40/38/36/30
Net Dimension	WxDxH	mm	700×750×245		1000×750×245	
	WxDxH	inch	27-1/2 x 29-1/2 x 9-5/8		39-3/8 x 29-1/2 x 9-5/8	
Packing Dimension	WxDxH	mm	925×850×298		1225×860×304	1225×860×304
	WxDxH	inch	36-3/8 x 33-1/2 x 11-3/4		48-1/4 x 33-7/8 x 12	
Net/Gross Weight		kg	29.1/33.5		36.2/41.4	36.5/41.7
		lbs	64/74		80 / 92	
Piping Size	Liquid side	inch	1/4			3/8
	Gas side	inch	3/8		1/2	5/8

Model	Indoor Unit		MDHHS-H36B-2A	MDHHS-H48B-2A	MDHHS-H60B-2A
	Outdoor Unit		MO1BU-H36B-2A	MO1BU-H48B-2A	MO1BU-H60B-2A
Performance					
Power Supply		V, Ph, Hz	208/230, 1, 60		
SEER2 (AHRI 210/ 240 - 2023)	Cooling Capacity	Btu/h	36,000	48,000	58,000
	Heating Capacity	Btu/h	40,000	50,000	60,000
	SEER2	Btu/w	18.7	17.1	17.0
	EER2	Btu/w	10.1	10.0	10.0
	HSPF2-4	Btu/w	10.2	9.8	9.7
	HSPF2-5	Btu/w	7.8	7.7	7.6
Heating at 5°F (-15°C)	Rated capacity	Btu/h	25,600	38,000	40,000
	COP	W/W	2.10	2.00	2.20
Indoor unit					
Eternal Static Pressure (ESP)	Range	Pa	0-200	0-200	0-200
		In. wc.	0-0.80	0-0.80	0-0.80
Air Flow Volume	Turbo/Hi/Mi/Lo/Si	CFM	1236/1060/942/765/765	1648/1472/1295/1060/1060	2001/1707/1413/1118/1118
Noise Level	Turbo/Hi/Mi/Lo/Si	dB(A)	45/45/40/33/30	51/51/46/42/40	52/52/48/43/42
Net Dimension	WxDxH	mm	1200×750×300		1400×800×380
	WxDxH	inch	47-1/4 x 29-1/2 x 11-3/4		55-1/8 x 31-1/2 x 15
Packing Dimension	WxDxH	mm	1425×860×359		1600×915×445
	WxDxH	inch	56-1/8 x 33-7/8 x 14-1/8		63 x 36 x 17-1/2
Net/Gross Weight		kg	48.2/54.6	50.5/56.6	73.2/80.8
		lbs	107/120	111/125	161/178
Piping Size	Liquid side	inch	3/8		
	Gas side	inch	3/4		