

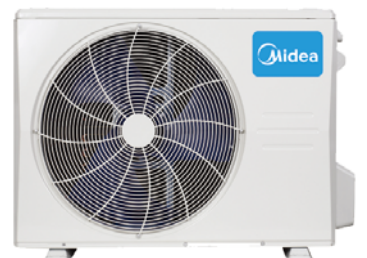
# Console

The Ultimate All-Climate Comfort Solution



US

CA



# Core Features



## High Efficiency & Energy Saving

With a SEER2 of up to 27.2, EER2 of up to 16.2, and HSPF2 (Region IV) of up to 13.8, all models meet ENERGY STAR V6.1 standards, Federal Tax Credits, and NEEP standards.



## Quieter Operation

A specially optimized fan creates high energy efficiency operating at minimum 19.5 dB(A) \*low noise level.

\*Tested by Midea Lab

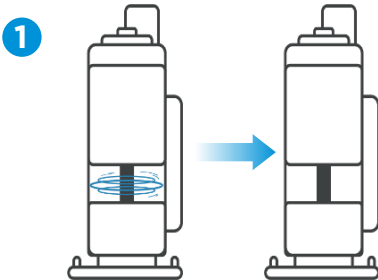
\*Compared with Midea's old console. Noise reduction by 3 dB is tested under the same air volume

\*Indoor noise (silent mode) (sound pressure level)



## 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.

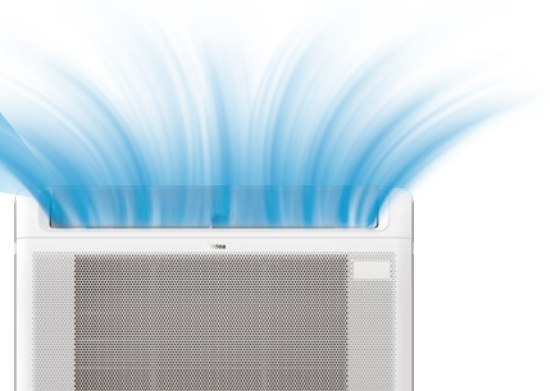


### Compressor stops

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.





## Temperature & Humidity Control

By utilizing intelligent control technology, simultaneously adjust the indoor temperature and humidity to provide a more comfortable environment.

 Precise Temperature Adjustment  
1°F (0.5°C)

 Flexible Humidity Control  
35%-85%



## 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 live their life on the go and who want to manage their Midea system from their smartphone.

### Download The App

Scan the QR code in the User Manual Select "SmartHome\*" in the App Store.

  SmartHome  
Download the app & activate product



### Works With Your Home Automation System

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



Google and Google Home are trademarks of Google LLC.



### Available Controllers

Midea has a variety of wired or remote controls available.

#### Wired Wall Controllers



120N



120L



MTL04-1



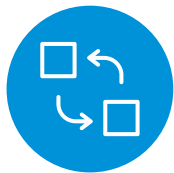
MTR03-1  
(Coming Soon)

#### Remote Control



RG10

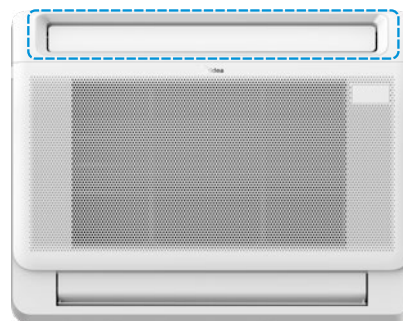
# Larger Dimension Dual Air Outlets



## 65.3% LARGER Upper Air Outlet\*

Dimension changes from 20-5/16 in.\*1-11/16 in. to 25-13/16 in.\*1-11/16 in.  
(516 mm\* 43 mm to 655 mm\* 56 mm)

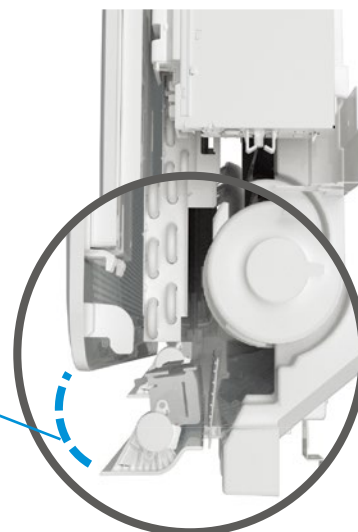
\* Compared to the last-generation Midea console unit.



## 94.1% WIDER Lower Air Outlet\*

3-7/8 in. (99 mm) larger lower air outlet delivers even warm air distribution.

3-7/8 in.  
(99 mm)



## Wide Airflow & Constant Comfort

Dual air outlets meet both cooling and heating needs in different seasons, providing quick comfort in the room.



## 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



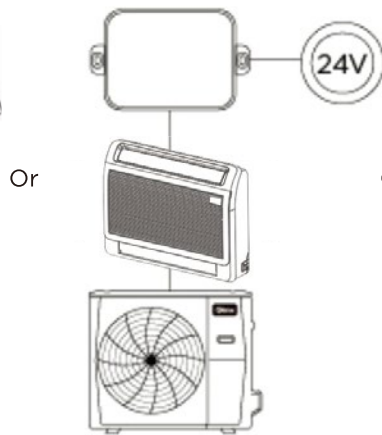
24V Full Function Interface Kit

### 1 Midea System Set



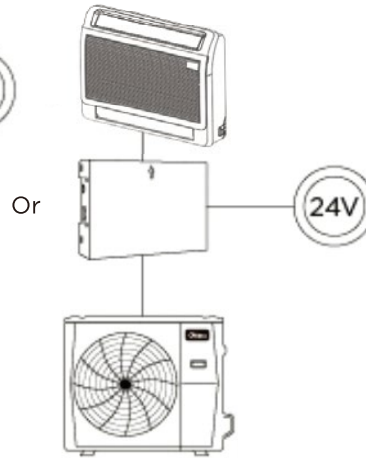
SmartHome App +  
Wired Remote Controller +  
Remote Controller

### 2 Midea System Set



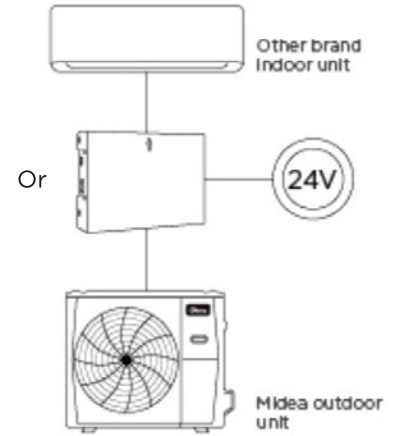
24V Mini Interface

### 3 Midea System Set



24V Full Function Interface Kit

### 4 Midea Outdoor Unit + Other Brand Indoor Unit\*



24V Full Function Interface Kit

### Outdoor Unit ONLY Replacement Scenario:

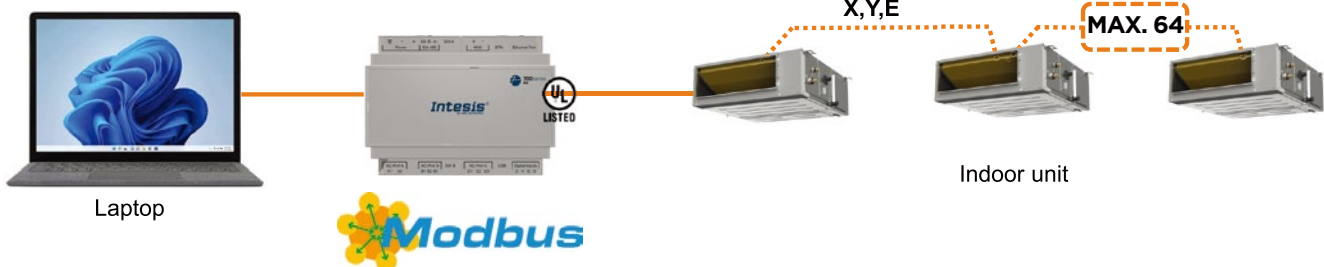
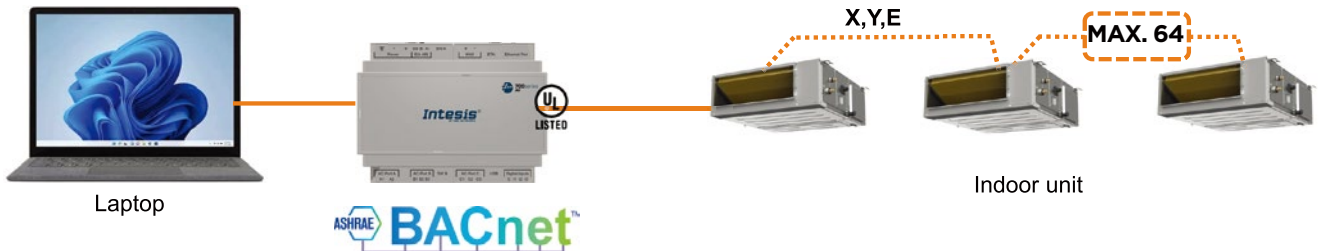
Use the existing indoor unit, piping, wiring, and 24V thermostat (a 24V Full Function interface kit).

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

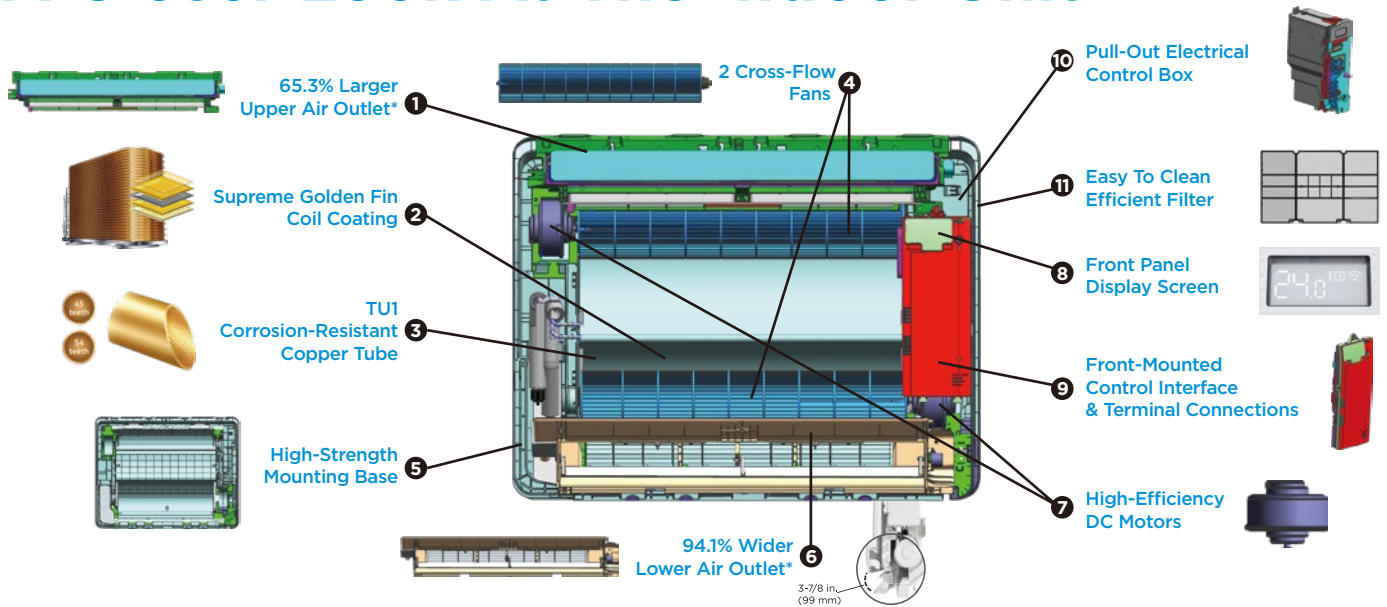
## Building Management Scenarios

### Single-Family Homes & Town-houses types

BMS Gateways Control Systems Application Scenario

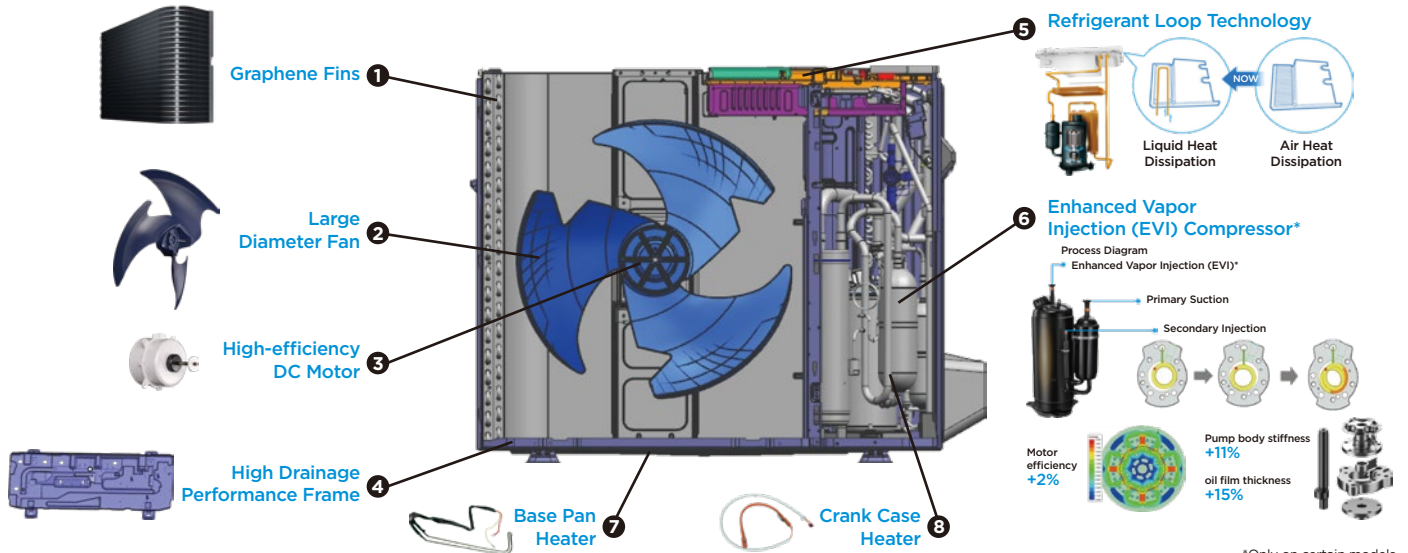


# A Closer Look At The Indoor Unit



1. Dimension changes from 20-5/16 in.\*11-11/16 in. to 25-13/16 in.x11-11/16 in. (516 mmx43 mm to 655 mmx56 mm). \*Compared to last-generation Midea console unit.
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. 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.
4. Specially optimized fan creates high energy efficiency while reducing noise level by \*3 dB(A). \*Compared with Midea's old console. Noise reduction by 3 dB(A) is tested under the same air volume.
5. High strength and long service life.
6. 3-7/8 in. (99 mm) larger lower air outlet delivers even warm air distribution. \*Compared to last-generation Midea console unit.
7. Features high energy efficiency, low noise, precise control, and a long lifespan, improving comfort and dependability overall.
8. The display screen is designed with high resolution, allowing easy reading of temperature, mode, and other key information. It is also highly durable with a long service life.
9. Integrates the control interface and terminal connections in the front ergonomic zone, ensuring convenient wiring and meeting customer needs efficiently.
10. Features a pull-out structure for easy access to electrical components, enabling quick replacement and maintenance.
11. Efficient filtration improves indoor air quality, is easy to clean, and has low maintenance costs.

# A Closer Look At The Outdoor Unit



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

## Flexible Installation

Can be installed flexibly on either the floor or wall, accommodating various room layouts.



## Low-profile Design

Suitable for installation under windows, without affecting the overall decor style, while optimizing space utilization.

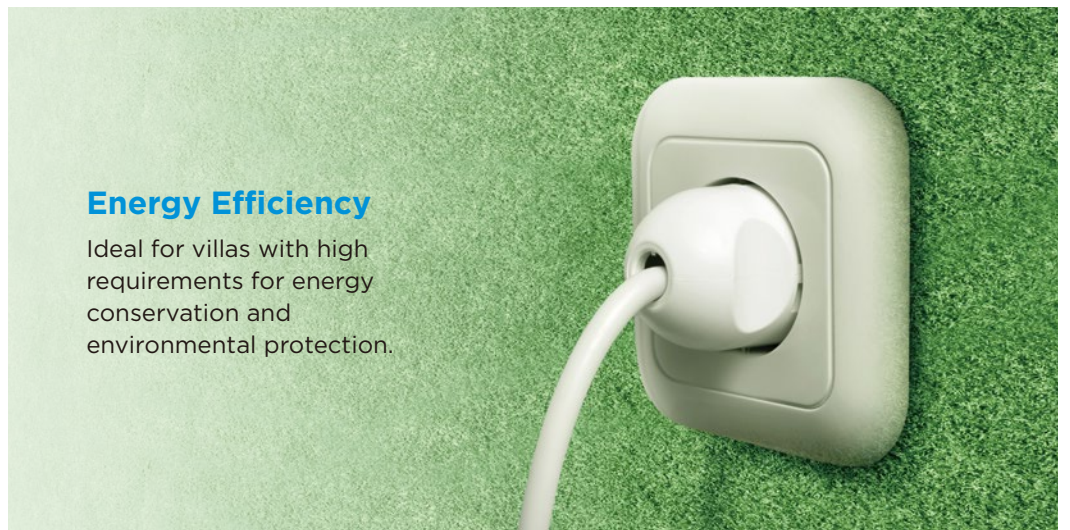


## Even Airflow Distribution

Effectively covers large spaces, providing comfortable cooling or heating.

## Energy Efficiency

Ideal for villas with high requirements for energy conservation and environmental protection.



# Summary of Features

	Vacation mode	•
	Fan only	•
	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 app	•
	Timer	•
	Infrared remote control	•
	WIFI	•
	Wired controller	•
	Self-diagnosis&auto-protection	•
	Build-in drain pump	
	Power down memory	•
	i-Clean	•
	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	•
	Weekly Timer	•
	1%-100% Fan Speed Setting	•
	°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	•

# Console Xtreme Heat Specification

Model	Indoor Unit		MFAHU-H09B-2A	MFAHU-H12B-2A	MFAHU-H16B-2A
	Outdoor Unit		MO1HS-H09B-2A	MO1HS-H12B-2A	MO1HS-H18B-2A
<b>Performance</b>					
Power Supply		V, Ph, Hz	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60
SEER2 (AHRI 210/240-2023)	Cooling Capacity	Btu/h	9,000	12,000	16,000
	Heating Capacity	Btu/h	9,000	12,000	17,000
	SEER2	Btu/W	27.2	25.0	20
	EER2	Btu/W	15.1	12.5	12.5
	HSPF2-4	Btu/W	10.9	10.5	10.3
Heating at 5°F (-15°C)	HSPF2-5	Btu/W	8.9	8.3	8.7
	Rated capacity	Btu/h	11,300	11,300	17,500
	COP	W/W	1.84	1.88	1.95
<b>Indoor unit</b>					
Air Flow Volume	Turbo/Hi/Mi/Lo/Si	CFM	441/377/324/188/130	441/377/324/188/130	500/441/383/324/206
Noise Level	Turbo/Hi/Mi/Lo/Si	dB(A)	45/41/38/26/22	44/41/37/27/24	47/44/41/31/26
Net Dimension	WxDxH	mm	794x200x621	794x200x621	794x200x621
	WxDxH	inch	31-1/4x7-7/8x24-1/2	31-1/4x7-7/8x24-1/2	31-1/4x7-7/8x24-1/2
Packing Dimension	WxDxH	mm	865x280x719	865x280x719	865x280x719
	WxDxH	inch	34x11x28-1/4	34x11x28-1/4	34x11x28-1/4
Net/Gross Weight		kg	14.9/19.0	14.9/19.0	14.9/19.0
		lbs	33/42	33/42	33/42
Piping Size	Liquid side	inch	1/4	1/4	1/4
	Gas side	inch	3/8	3/8	1/2

# Console Advanced Heat Specification

Model	Indoor Unit		MFAHU-H09B-2A	MFAHU-H12B-2A	MFAHU-H16B-2A
	Outdoor Unit		MO1ES-H09B-2A	MO1ES-H12B-2A	MO1ES-H18B-2A
<b>Performance</b>					
Power Supply		V, Ph, Hz	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60
SEER2 (AHRI 210/240-2023)	Cooling Capacity	Btu/h	9,000	12,000	16,000
	Heating Capacity	Btu/h	9,000	12,000	17,000
	SEER2	Btu/W	26.0	24.6	23.8
	EER2	Btu/W	16.2	12.7	12.5
	HSPF2-4	Btu/W	13.9	11.0	13.5
Heating at 5°F (-15°C)	HSPF2-5	Btu/W	10	8.2	9.4
	Rated capacity	Btu/h	8,600	8,900	13,100
	COP	W/W	2.27	2.50	2.16
<b>Indoor unit</b>					
Air Flow Volume	Turbo/Hi/Mi/Lo/Si	CFM	441/377/324/188/130	441/377/324/188/130	500/441/383/324/206
Noise Level	Turbo/Hi/Mi/Lo/Si	dB(A)	42/39/35/30/20	42/39/35/30/24	42/42/39/29/24
Net Dimension	WxDxH	mm	794x200x621	794x200x621	794x200x621
	WxDxH	inch	31-1/4x7-7/8x24-1/2	31-1/4x7-7/8x24-1/2	31-1/4x7-7/8x24-1/2
Packing Dimension	WxDxH	mm	865x280x719	865x280x719	865x280x719
	WxDxH	inch	34x11x28-1/4	34x11x28-1/4	34x11x28-1/4
Net/Gross Weight		kg	14.9/19	14.9/19	14.9/19.0
		lbs	33/42	33/42	33/42
Piping Size	Liquid side	inch	1/4	1/4	1/4
	Gas side	inch	3/8	3/8	1/2