



Ceiling & Floor

The Ultimate All-Climate Comfort Solution

Comfort Made Easy

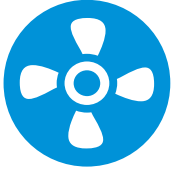


US

CA



Core Features



3D Airflow

The remote controller can adjust vertical air flow and horizontal airflow to direct air flow to every corner of the room.



95°
vertical swing



70°
horizontal swing



10m
Windblast

Wide Horizontal Air Flow

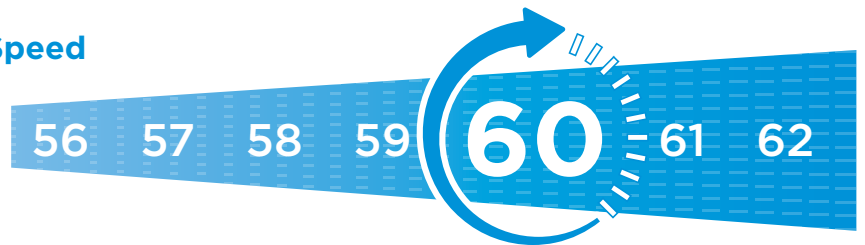


Wide Vertical Air Flow



0-100% Seamless Fan Speed

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

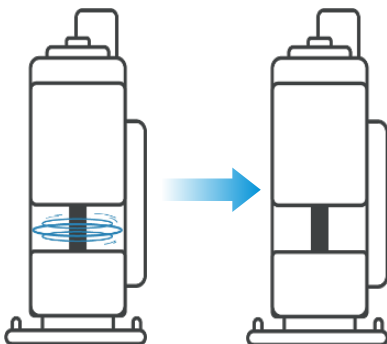


Refrigerant Leak Detection System

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

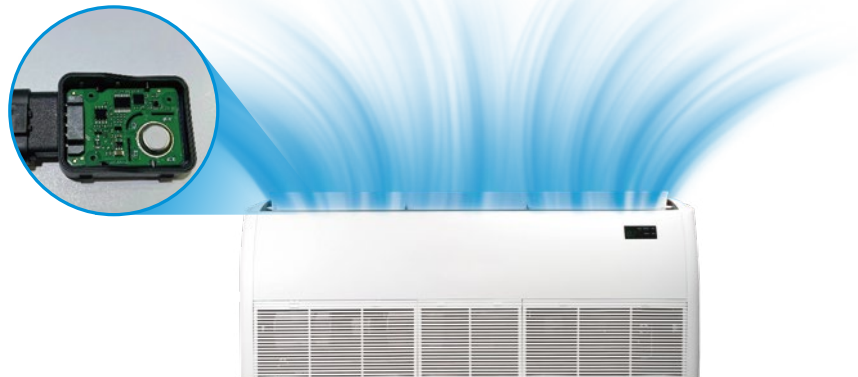
1 Compressor stops

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.





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



Flexible Floor or Ceiling Installation

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



3-Way Pipe Out

The connection pipe can be put into the unit from the bottom, side, or rear, which makes installation much easier.

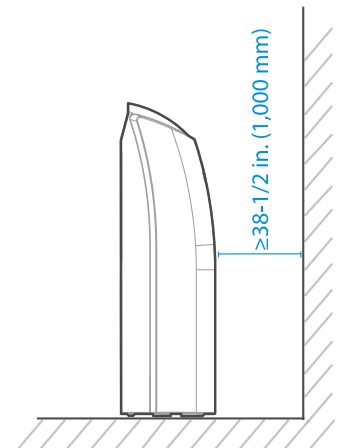
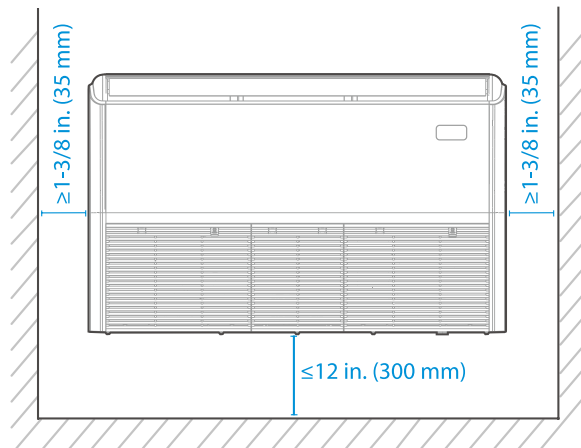


2-Way Drainage

Both right and left side drainage holes are available to accommodate space limitations for drainage pipe installation.



Service Space



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



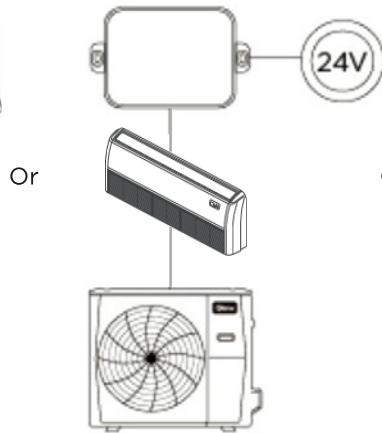
24V Full Function Interface Kit

1 Midea System Set



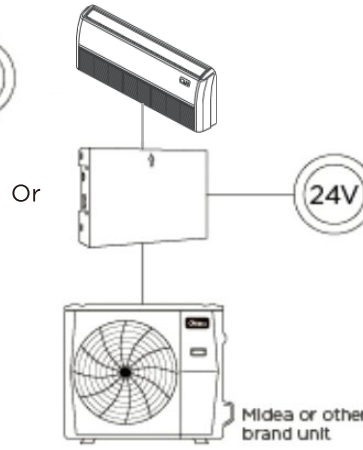
SmartHome App +
Wired Remote Controller +
Remote Controller

2 Midea System Set



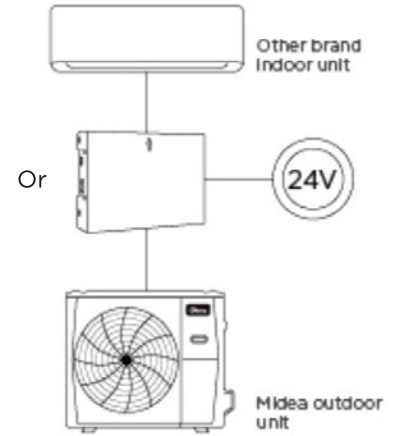
24V Mini Interface

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:

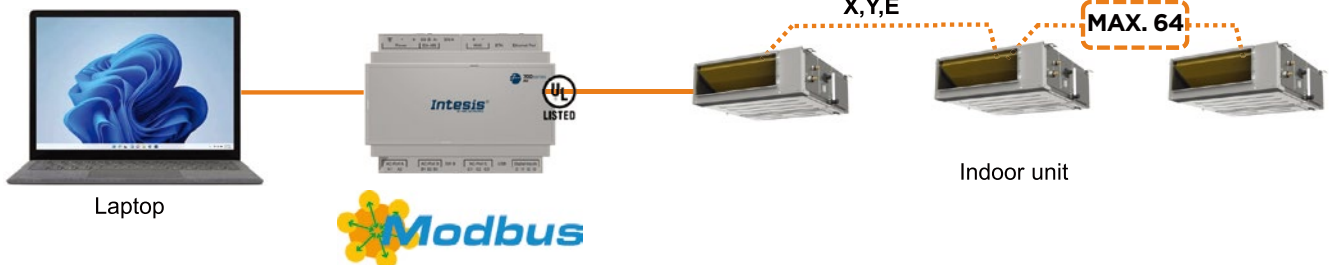
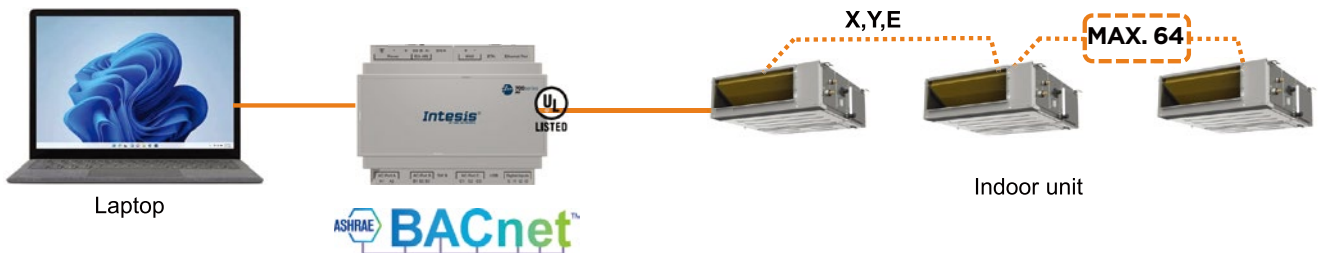
Use the existing indoor unit, piping, wiring, and 24V thermostat (a 24V Full Function interface kit).

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

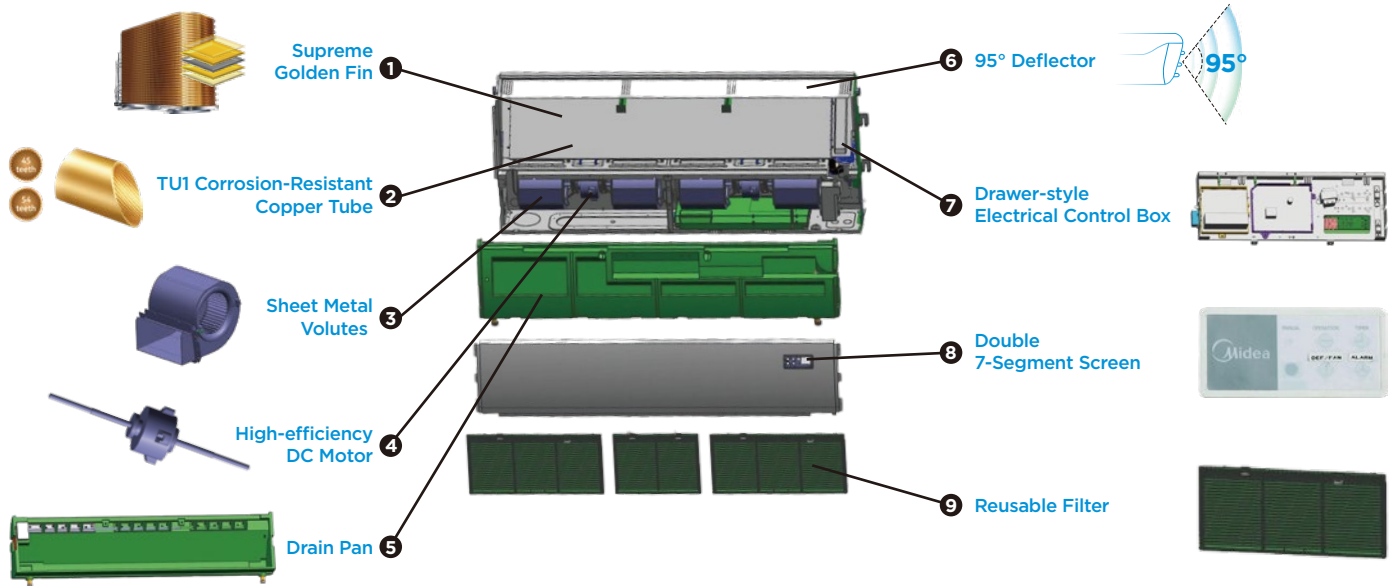
Building Management Scenarios

Single-Family Homes & Town-houses types

BMS Gateways Control Systems Application Scenario

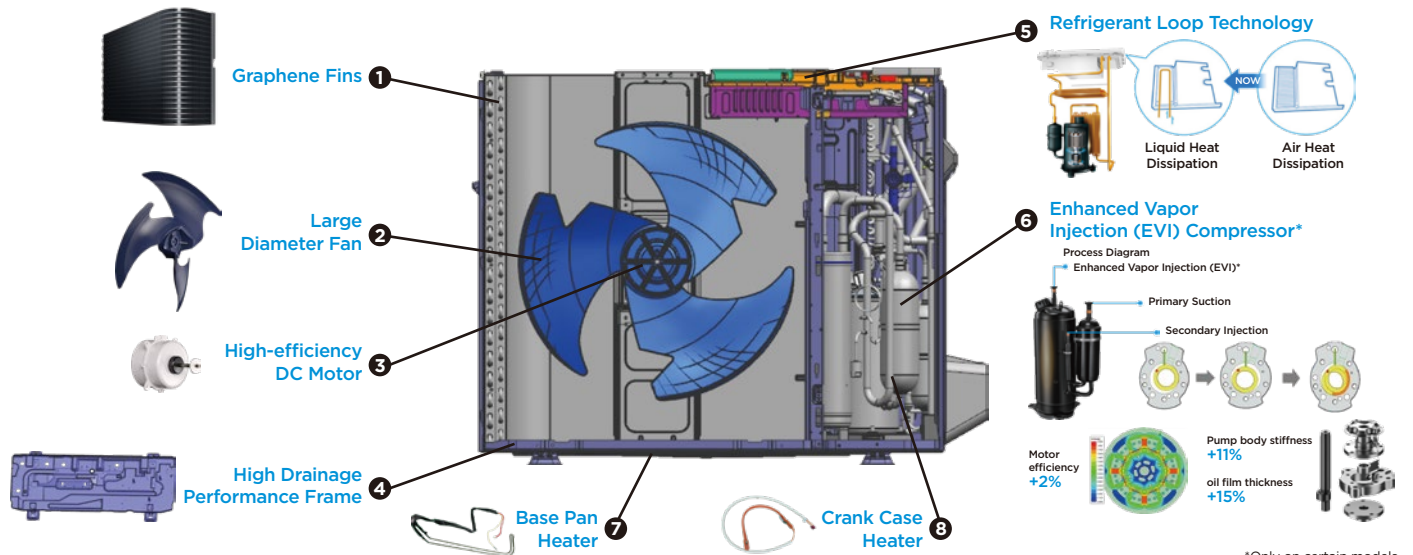


A Closer Look At The Indoor Unit



1. 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. High strength, heat resistance, and strong stability, ensuring long service life and reliable performance.
4. Features high energy efficiency, low noise, precise control, and a long lifespan, improving comfort and dependability overall.
5. The drain pan is dual-purpose, suitable for both floor-mounted and ceiling-mounted installation.
6. Features a wide-range 95° up-and-down sweeping angle for greater air circulation coverage.
7. Features a pull-out structure for easy access to electrical components, enabling quick replacement and maintenance.
8. Temperature On Screen: Easy to check whether the unit is working as per your setting. Error Code On Screen: Easy to find the error without the need to check the wired controller.
9. 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.

*Only on certain models.

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

Flexible Installation

Can be installed flexibly on either the ceiling 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	•

Ceiling & Floor Xtreme Heat Specification

Model	Indoor Unit	MFBUH-H18B-2A	MFBUH-H24B-2A	MFBSH-H36B-2A	MFBSH-H48B-2A	MFBSH-H60B-2A	
	Outdoor Unit	MOIHS-H18B-2A	MOIHS-H24B-2A	MOIHU-H36B-2A	MOIHU-H48B-2A	MOIHU-H60B-2A	
Performance							
Power Supply	V, Ph, Hz	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	
SEER2 (AHRI 210/240-2023)	Cooling Capacity	Btu/h	17,000	22,000	36,000	48,000	54,000
	Heating Capacity	Btu/h	19,000	26,000	38,000	50,000	60,000
	SEER2	Btu/W	20.4	20.4	20.0	19.8	19.5
	EER2	Btu/W	12.5	12.0	10.1	9.5	9.5
	HSPF2-4	Btu/W	10.3	12.1	10.8	10.1	10.7
	HSPF2-5	Btu/W	8.2	9.8	8.9	8.0	8.5
Heating at 5°F (-15°C)	Rated capacity	Btu/h	17,000	24,200	26,000	38,500	35,000
	COP	W/W	1.86	2.16	2.17	1.95	2.01
Indoor unit							
Air Flow Volume	Turbo/HU/MU/Lo/Si	CFM	577/547/486/421/421	736/706/606/453/377	1224/1089/989/765/653	1354/1236/1083/801/665	1366/1236/1118/883/777
Noise Level	Turbo/HU/MU/Lo/Si	dB(A)	45/43/40/31/29	52/49/45/34/29	51/49/45/37/33	53/53/49/39/35	55/55/50/42/39
Net Dimension	WxDxH	mm	1068x675x235	1088x675x235	1650x675x235	1650x675x235	1650x675x235
	WxDxH	inch	42 x 26-5/8 x 9-1/4	42 x 26-5/8 x 9-1/4	65 x 26-5/8 x 9-1/4	65 x 26-5/8 x 9-1/4	65x26-5/8x9-1/4
Packing Dimension	WxDxH	mm	1145x755x318	1145x755x318	1725x755x318	1725x755x318	1725x755x318
	WxDxH	inch	45-1/8x29-3/4x12-1/2	45-1/8x29-3/4x12-1/2	67-7/8x29-3/4x12-1/2	67-7/8x29-3/4x12-1/2	67-7/8x29-3/4x12-1/2
Net/Gross Weight		kg	26.5/32.0	27.8/33.2	40.3/47.6	40.4/47.7	43.2/50.5
		lbs	58/71	61/73	89/105	89/105	95/111
Piping Size	Liquid side	inch	1/4	3/8	3/8	3/8	3/8
	Gas side	inch	1/2	5/8	3/4	3/4	3/4

Ceiling & Floor Advanced Heat Specification

Model	Indoor Unit	MFBUH-H18B-2A	MFBUH-H24B-2A	MFBSH-H36B-2A	MFBSH-H48B-2A	MFBSH-H60B-2A	
	Outdoor Unit	MOIES-H18B-2A	MOIES-H24B-2A	MOIBU-H36B-2A	MOIBU-H48B-2A	MOIBU-H60B-2A	
Performance							
Power Supply	V, Ph, Hz	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	
SEER2 (AHRI 210/240-2023)	Cooling Capacity	Btu/h	18,000	24,000	36,400	48,000	54,000
	Heating Capacity	Btu/h	18,000	24,400	38,000	52,000	60,000
	SEER2	Btu/W	22.3	21.1	20	18.5	18
	EER2	Btu/W	12.5	12.2	12.0	9.4	9.0
	HSPF2-4	Btu/W	10.4	11.1	10.0	10.2	9.5
	HSPF2-5	Btu/W	8.0	8.4	7.7	7.8	7.2
Heating at 5°F (-15°C)	Rated capacity	Btu/h	12,800	18,600	48,500	48,500	57,000
	COP	W/W	2.05	2.27	2.02	1.83	1.91
Indoor unit							
Air Flow Volume	Turbo/HU/MU/Lo/Si	CFM	577/547/486/421/421	736/706/606/453/377	1224/1089/989/765/653	1354/1236/1083/801/665	1366/1236/1118/883/777
Noise Level	Turbo/HU/MU/Lo/Si	dB(A)	43/43/40/32/29	51/49/45/34/29	51/51/46/39/35	54/53/49/39/35	55/55/49/42/39
Net Dimension	WxDxH	mm	1068x675x235	1088x675x235	1650x675x235	1650x675x235	1650x675x235
	WxDxH	inch	42x26-5/8x9-1/4	42x26-5/8x9-1/4	65x26-5/8x9-1/4	65x26-5/8x9-1/4	65x26-5/8x9-1/4
Packing Dimension	WxDxH	mm	1145x755x318	1145x755x318	1725x755x318	1725x755x318	1725x755x318
	WxDxH	inch	45-1/8x29-3/4x12-1/2	45-1/8x29-3/4x12-1/2	67-7/8x29-3/4x12-1/2	67-7/8x29-3/4x12-1/2	67-7/8x29-3/4x12-1/2
Net/Gross Weight		kg	26.5/32.0	27.8/33.2	40.3/47.6	40.4/47.7	43.2/50.5
		lbs	58/71	61/73	89/105	89/105	95/111
Piping Size	Liquid side	inch	1/4	3/8	3/8	3/8	3/8
	Gas side	inch	1/2	5/8	3/4	3/4	3/4