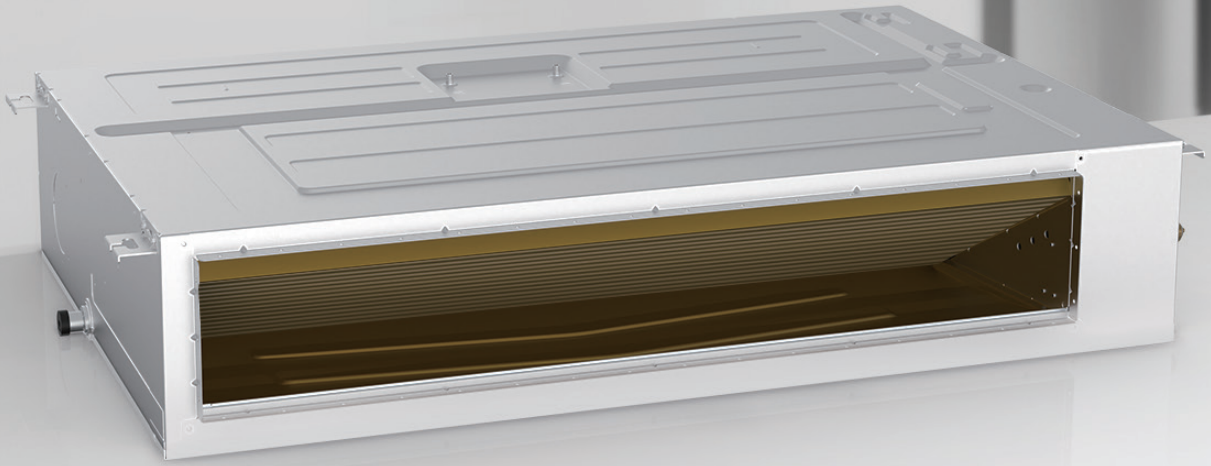




Midea

مكيفات مايديا



# A7 Duct

## Customized For Installers

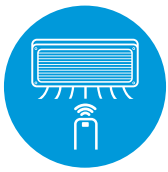
HUSSEIN & AL-HASSAN G SHAKER BROS.

H&H SHAKER HH-SHAKER.COM.SA



شركة الأخوان حسين والحسن غازي شاکر

HSHAKERCO الرقم الموحد 8002440247



## Real-time Constant Air Volume

Customized for Installers

### Real-time Constant Air Volume

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

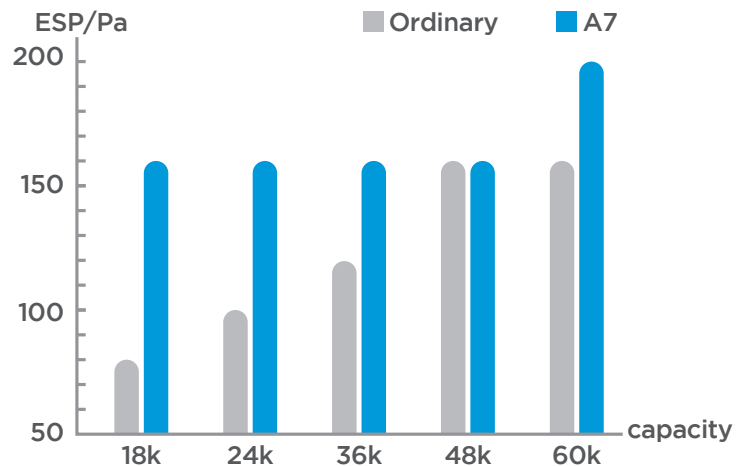
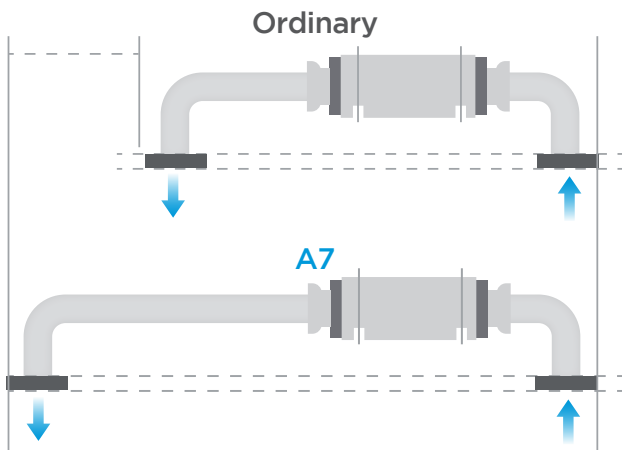


## Static Pressure Increase

Customized for Installers

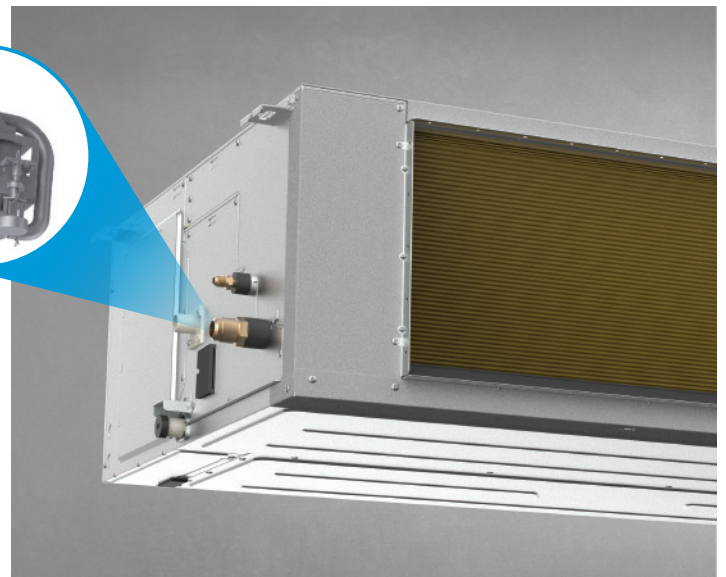
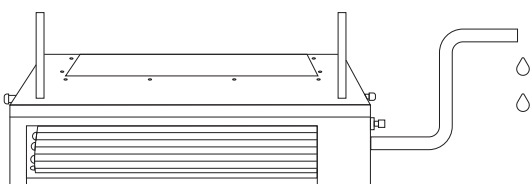
### Static pressure increase

The maximum MSP is increased to 160Pa, which is industry-leading. And the maximum HSP is 200Pa, which is comparable to our competitors.



### Built-in drain pump (optional)

Higher lift is upgraded from 0.75m to 1m, increasing flexibility and installation speed.



A6	A7
750mm lift	1000mm lift



# Slimmer And Lighter

Customized for Installers

## Slimmer And Lighter

Meet various installations in narrow ceilings with shorter length and thinner.



## Slim & Compact Design

Midea A6



Indoor unit size

Midea A7

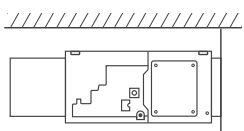


Capacity	Length	Depth	Height
18K	880	674	210
24K	1100	774	249
36K	1200	874	300
48K 1ph	1200	625	380
60K 1ph	1400	858	440

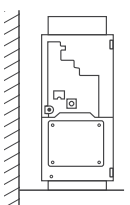
Capacity	Length	Depth	Height
18K	700	750	245
24K	1000	750	245
36K	1200	750	300
48K 1ph	1200	750	300
60K 1ph	1400	800	380

## Two Ways of Installation

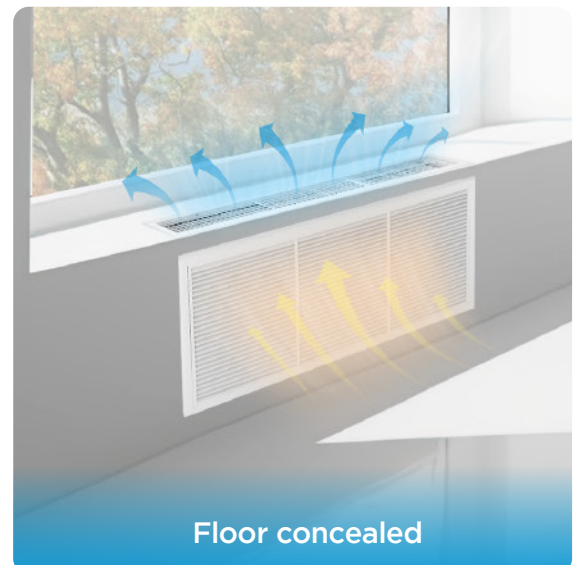
Two types of installation methods can be selected: ceiling concealed and floor concealed.



Horizontal Installation



Vertical Installation



\*Vertical Installation Available for 18k-48k model



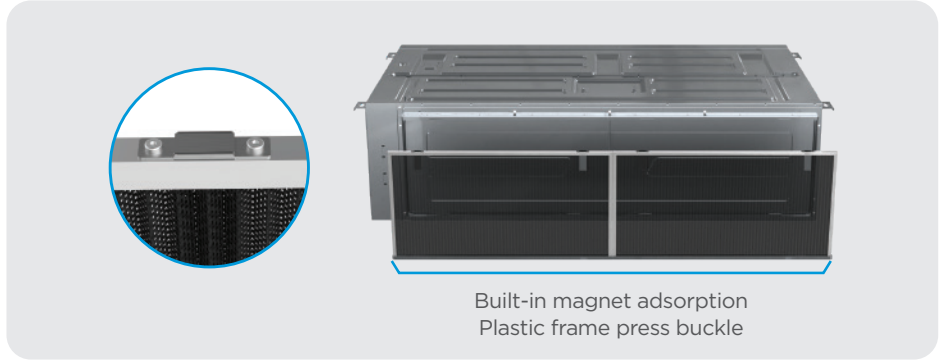
## Easy Maintenance

Customized for Installers

### Upgrade of Filters



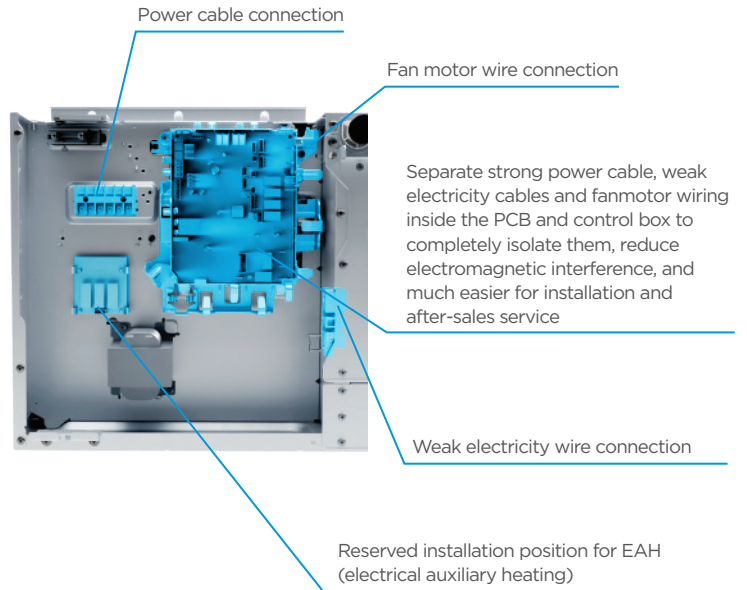
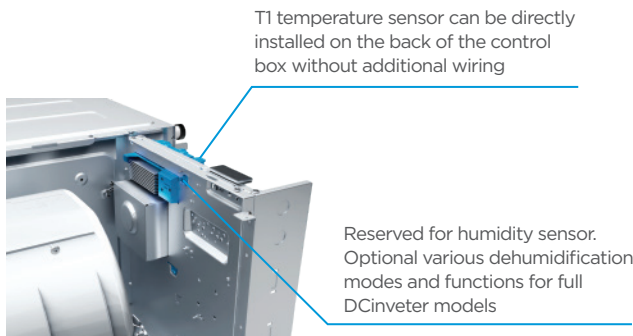
Magnetic-type air filter



Built-in magnet adsorption  
Plastic frame press buckle

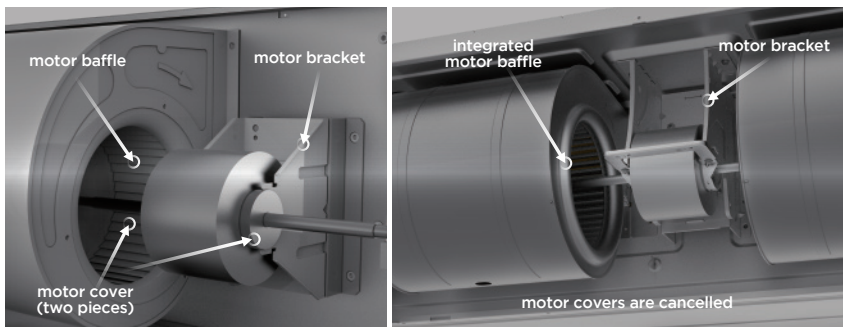
### Upgrade of Electric Control

The area of the electric control box has been increased by 10%, and the driver board has been miniaturized, reducing the area by 40%. Larger maintenance space, and more convenient to replace the electronic control box.

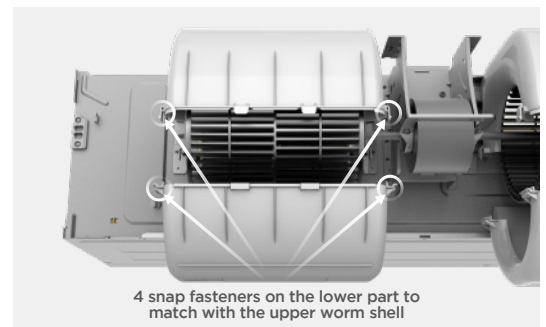


### Upgrade of Fan Motor

The design of integrated motor bracket, which is three parts integrated into one part, can improve installation stability, more friendly disassembly and assembly.

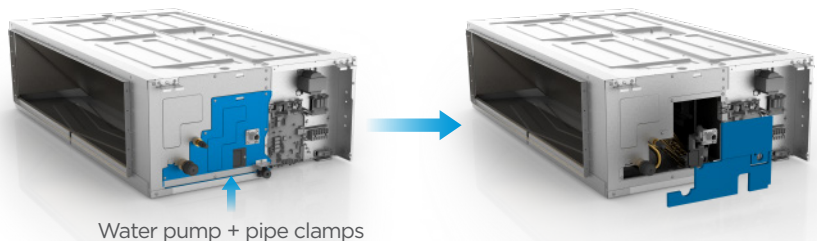


The volute spring buckle design improves installation stability and makes disassembly and assembly more friendly.



### Upgrade of Drain Pump

Service area of A7 Duct is 20% more than A6. No need to cross the hole when replacing drain pump and temperature sensor.





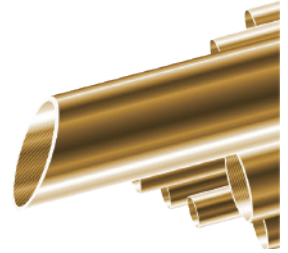
## Better Cooling Performance

Customized for Installers

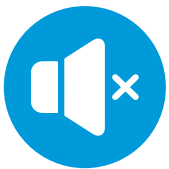
Comparing with A6 Duct, A7 Duct achieves larger capacity of cooling no matter T1 or T3 situation.

		A6 60K 1ph MHGTV60HWN3	A7 60K 1ph MTBTV60HWN1
Cooling (T1)	Capacity (Btu/h)	49000	53200
	EER (Btu/(W.h))	12.30	12.30
Cooling (T3)	Capacity (Btu/h)	42400	47800
	EER (Btu/(W.h))	8.60	8.75

With slimmer inner groove high efficiency tubes and more circuits, Midea A7 Duct improves the efficiency of heat transfer, enabling fast cooling and resulting in larger cooling capacity, meanwhile, a 20% smaller size.



		A6	A7
Indoor coil	Tube outside dia.and type	φ 9.52 Inner groove tube	φ 7 Inner groove tube
	Number of circuits	9	11

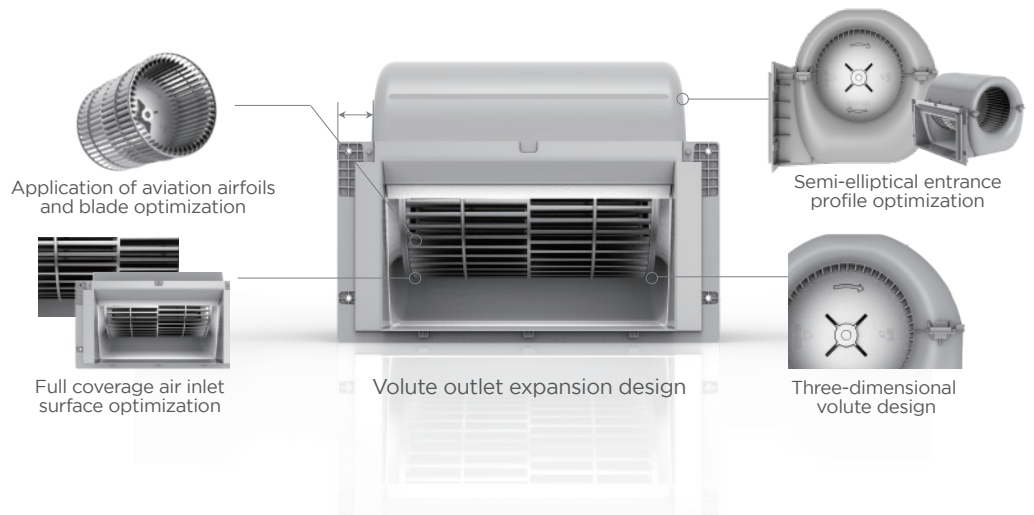


## Low Noise

Comfortable

### Optimization of Duct Design

By applying the new design of duct, the interior noise level has been reduced significantly. End users would not get irritable easily even staying indoor for a long time.



### Lower Noise Level

Without sacrificing the cooling performance, the indoor noise level of A7 Duct has been dropped by up to 4dB comparing with A6 Duct.



Without sacrificing the performance of cooling, both the airflow and the speed of indoor fan motor have been lower down to reduce 1dB to 4dB of indoor noise by the improvement of new eccentric fan design.

		A6 60K 1ph MHGTV60HWN3	A7 60K 1ph MTBTV60HWN1
Indoor fan motor	Speed (Hi/Med/Lo) (r/min)	990/910/840	853/778/702
Indoor air flow (Hi/Med/Lo) (CFM)		1980/1733/1454	1707/1354/942
Indoor noise level (Hi/Med/Lo) (dB(A))		50.5/47.5/44	45.5/43.5/41.5



**Hyper Grafins**

## Extreme Durability



**Prime Guard Golden Coating**

# 20 to 50-year -corrosion-resistance fin

Depended on the using industrial environment with salt contamination

Lifetime of Condenser will be varied as for actual installation condition



**Verified by  
intertek**

Total Quality. Assured.

(Ref. ISO 21207: 2015, Annex A, test method B)

## Midea Exclusive Anti-aging Technology Test

After 240 hours UV test and 72 hours neutral salt spray(fog) test

## HYPER GRAPFINS

**0.02%** corrosion area\*

**5X** corrosion resistance than golden coating



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

\* Midea exclusive anti-aging technology, Ref.test standard is QMK-J037.1021-2019 hydrophilic aluminum foil

# 120M EXTRA

Make the Comfort Easier



4.3 In LCD Display Screen



wireless network



Programmable Weekly Timer



Error Code Display



Touch Button



## External Static Pressure Adjustment

Auto Airflow Volume Match can be initiated on 120M wired controller. It's the Midea exclusive technology to automatically adjust the static pressure of ducted unit for best sense of comfort and installation convenience. This function from 120M wired controller definitely beats the manual adjustment of static pressure as before.



**COPY**

When the AC is off, long press "COPY" for 3 seconds to enter the query functions.



**AF**

Press "AF" or "DOWN" to select AF, then press "OK" to start the test mode.



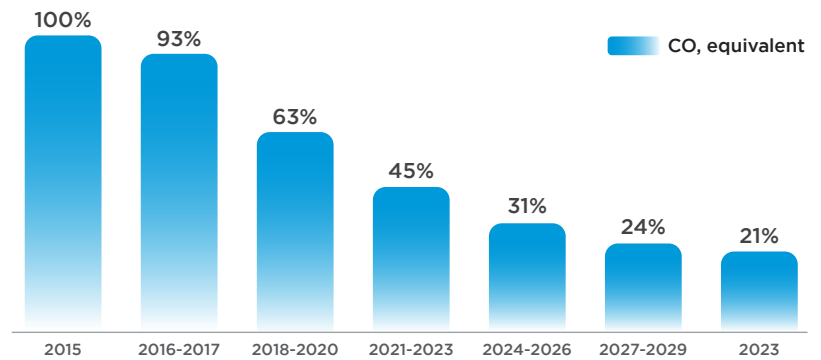
**DOWN**

After 3-6 minutes, the setting will be finished and test mode will automatically exit.

## New EU F-gas Regulation

EU developed new F-gas regulation in 2014, aims at prevention of emissions and reduction of the use of higher GWP F-gases.

- Prevent leakage and emissions
- Ban on the use of F-gases
- Phase down the HFC supply
- Quota allocation



## Highly Efficient Compressor

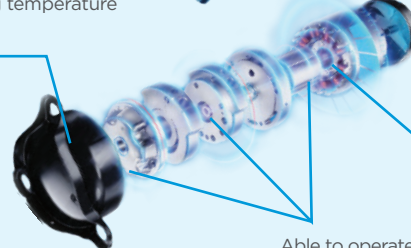
Low vibration at all frequencies : the parts are better matched by adopting highly precise dual rotor technology, and the noise is pure and less annoying;



Able to operate under ultra low temperature:  
high-quality lubricating oil of high lubrication and low viscosity;  
minimum operating temperature less than -30 °C;



More reliable: design of large accumulator, high-density filter, to improve the ability of preventing liquid shock and impurities;



Higher efficiency: the motor is thickened and lengthened, thus the efficiency is increased by 3%

Able to operate under ultra high temperature: maximum pressure reach to 4.5MPa; operating temperature up to above 65°C;

# Product Specification

Model		MTBTVE18HWN1	MTBTVE24HWN1	MTBTVE36HWN1	MTBTVE48HWN1	MTBTVE60HWN1	
Power Supply	V,Hz,Ph	230V,1Ph,60Hz	230V,1Ph,60Hz	230V,1Ph,60Hz	230V,1Ph,60Hz	230V,1Ph,60Hz	
SEER		13.30	14.20	13.50	13.65	13.90	
Energy Class		C	C	C	C	C	
Cooling (T1)	Capacity	Btu/h	18000(5000-21500)	24000(5800-29500)	34600(9000-44000)	45400(12000-60000)	53200(18000-62000)
	Input	W	1440	1927	2740	3720	4326
	Rated Current	A	6.50	11.5	12.5	17	19.70
	EER	Btu/h/W	12.50	12.45	12.65	12.20	12.30
Cooling (T3)	Capacity	Btu/h	14900	20500	28800	38800	47800
	Input	W	1685.0	2304	3180	4436	5458
	Rated Current	A	7.6	13.5	14.5	20.5	24.50
	EER	Btu/h/W	8.85	8.90	9.05	8.75	8.75
Heating	Capacity	W	5650	7850	9550	16400	18000
	Input	W	1530	2150	2580	5135	4995
	Rated Current	A	6.9	9.5	11.7	24	22.50
	COP	W/W	3.7	3.65	3.7	3.2	3.60
Max. Input Consumption	W	2700	3200	4900	6300	6300.00	
Max. Current	A	13	15	21	28.5	28.5	
Indoor air flow (Hi/Mi/Low)	m³/h	980/830/650	1500/1300/1000	2000/1750/1500	2339/1961/1600	2900/2300/1600	
Indoor noise level (Hi/Mi/Low)	dB(A)	37/35/32	38.5/36/33.5	39/37.5/36	45/43/41	45.5/43.5/41.5	
Indoor unit	Dimension (W*D*H)	mm	700x750x245	1000x750x245	1200x750x300	1200x750x300	1400x800x380
	Packing (W*D*H)	mm	925x850x298	1225x860x304	1425x860x359	1425x860x359	1600x915x445
	Net/Gross weight	Kg	25.3/29.5	32/37	43.4/49.4	43.5/49.6	65.2/73
Outdoor noise level	dB(A)	57	59	62.5	62	64	
Outdoor unit	Dimension (W*D*H)	mm	890x342x673	946x410x810	946x410x810	952x415x1333	952x415x1333
	Packing (W*D*H)	mm	995x398x740	1090x500x885	1090x500x885	1095x495x1480	1095x495x1480
	Net/Gross weight	Kg	38.2/41.4	50.6/54.9	64/68.6	92.1/106.3	96.9/110.9
Refrigerant type	Kg	R32	R32	R32	R32	R32	
Design pressure	MPa	4.8/1.7	4.8/1.7	4.8/1.7	4.8/1.7	4.8/1.7	
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/ 12.7mm(1/2in)	9.52mm(3/8in)/ 15.9mm(5/8in)	9.52mm(3/8in)/ 19mm(3/4in)	9.52mm(3/8in)/ 19mm(3/4in)	Ø9.52/ Ø22(3/8"/7/8")
	Max. total pipe length	m	25	25	30	50	50
	Max. Elevation	m	15	15	20	30	30
Connection wire spec		4x1.5	4x1.5	4x1.5	4x1.5	4x1.5	
Thermostat Type		Wired Remote Controller	Wired Remote Controller	Wired Remote Controller	Wired Remote Controller	Wired Remote Controller	
Operation Temperature	°C	16-30	16-30	16-30	16-30	16-30	



Rooted in Saudi Arabia, **Shaker Group** forms a robust network, opening doors for regional ventures, hosting global brands and fostering lasting bonds- Our commitment to our partners' needs drives our journey, which evolved from Jeddah beginnings to a major distribution network. Hussein and AL-Hassan Ghazi Shaker Bros. For Modern Trading Co. LTD is the latest company to carry our legacy the way others have since the group's founding in 1950 Utilizing AC expertise, we've redefined home appliances and AC solutions for the Saudi market. Our dedicated teams ensure an exceptional customer experience, embodying our ethos in every interaction

**Midea Group** is a world leading technology group offering diversified products, comprising of five main business areas: Smart Home Business, industrial Technologies, Building Technologies, Robotics & Automation, and innovation Business. Midea is committed to improving lives by adhering to the principle of "Creating Value for Customers". Midea focuses on continuous technological innovation to improve products and services, and to make life more comfortable and pleasant.

Founded in 1968 in Guangdong, China, after 57 years, Midea has successfully transformed into a world's leading technology group with multi-category, multiple business, and vertical integration around core technology.

The company's Total Revenue was USD 56 billion in 2024, YOY increase of 9.5%, Net profit attributable to shareholders of the company was USD 5.3 billion, YOY increase of 14.3%, and Cash flow from operating activities reached USD 8.3 billion, YOY increase of 4.5%, all of which set new historical records for the company.

Midea Residential Air Conditioner Division (Midea RAC) is a business unit under Midea Group, integrating R&D, manufacture, sales, design, installation, and after-sales service, one of the world's leading HVAC manufacturer and professional air management solution provider.