

Haier

Haier



10HP DC Inverter Cabinet & Duct



Energy saving
& comfortable

DC Inverter

- ◆ DC inverter compressor bring 50% energy saving



Powerful
cooling & heating

Large Air Volume

- ◆ Air volume up to **4500m³/h**
- ◆ Cooling capacity up to **29kW**



Smart health
(optional)

Healthy Solution

- ◆ Self-cleaning



Haier Commercial Air Conditioning

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Haier Commercial Air Conditioning

Haier Brand Story

Established in 1984, Haier Group is a world-leading provider of solutions to better life. In the process of sustainable innovation and entrepreneurship, Haier always upholds the principle of "prioritizing people's value". Mr. Zhang Ruimin, Chairman of the Board and CEO of Haier Group, first proposed the Rendanheyi Model in September 2005. After 15 years of development and innovation, Rendanheyi has achieved trans-culture, trans-industry and trans-field fusion and replication with its contemporary features, universality characteristics.

Focusing on user experience, Haier has grown from the once collectively owned small factory on the verge of bankruptcy into an ecosystem that leads the IoT era. As the world's first and only IoT ecosystem brand, Haier has been included on the list of BrandZ™ Top 100 Most Valuable Global Brands for two consecutive years. Haier has topped Global Major Appliances Brand Rankings by Euromonitor International for 11 consecutive years. It's subsidiary Haier Smart Home is among the list of Global 500 of Fortune.

To date, Haier Group owns four listed companies, has six platforms including Haier Smart Home, COSMOPlat, Ririshun, Yingkang Life, Haier Biomedical, Haina Cloud and HCH, and has Seven global brands such as Haier, Casarte, Leader, GE Appliances, Fisher & Paykel, AQUA and Candy. It has successfully incubated 5 unicorn companies and 23 gazelle companies. Moreover, Haier has established 10+N open innovation systems, 25 industrial parks, 124 manufacturing centers, 108 marketing centers and more than 140,000 sales networks around the globe, it has gone deep into 160 countries and regions globally, serving more than 1 billion users' families.

Upholding the vision of "creating new engines to growth in the era of IoT with Rendanheyi Model", Haier Group is committed to working with its world-class ecosystem partners to continuously build premium brand, scenario brand and ecosystem brand, and to set up IoT ecosystems in clothing, food, accommodation, travel, health, elderly care, biomedicine and education, and to tailor personalized smart life for users around the globe.



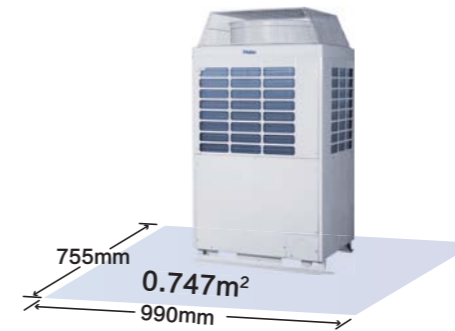
Haier

Compare with non-inverter, what can Inverter bring us

Easy Installation & Maintenance

◆ Save installation space

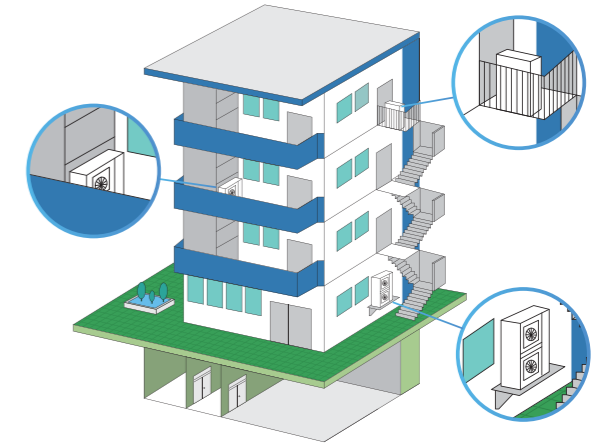
Only one air conditioning installation space is needed outside, saving 29% of the floor space.



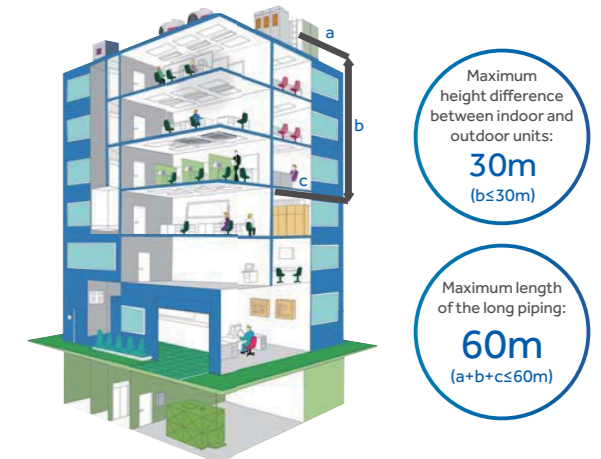
Old outdoor unit wasting space
New outdoor unit saving space



Flexible installation, can be ground or wall installation;



High drop, 60 meters long pipe, 30 meters high drop design, outdoor installation more free



High Efficiency

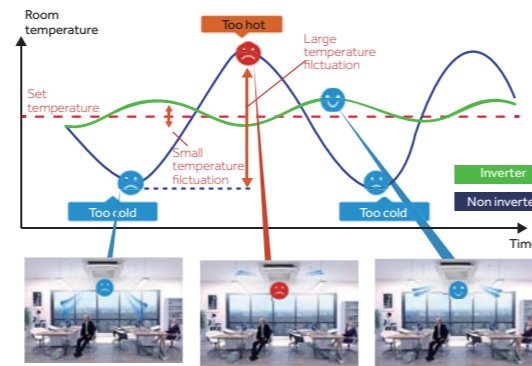
◆ DC inverter compressor

1. Adopt Mitsubishi electric international leading brand DC inverter compressor: magnetic, long life, strong power, high energy efficiency
2. Dc frequency conversion technology, to achieve the best comfortable temperature, and at the same time to save air-conditioning operating power



More Comfortable

When temperature does not fluctuate much, the set temperature is maintained

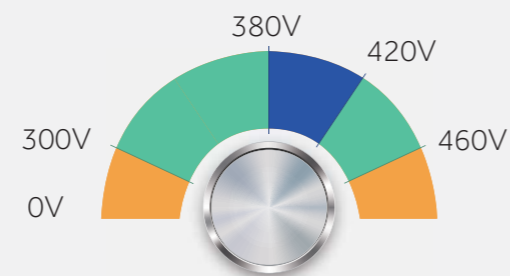


Inverter control responds to load changes and causes minor temperature adjustments. On-inverter control frequently turns ON and OFF in response to load fluctuations or load mismatch and causes large temperature swings.

Reliability

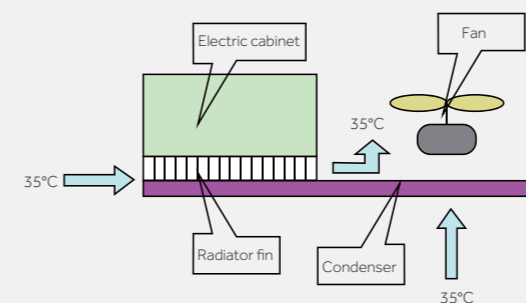
◆ Wide voltage operation

According to different region operating environments. Our products are designed with wide voltage (300V-460V) to guarantee normal working in harsh power supply conditions, and can still operate normally under harsh power supply conditions



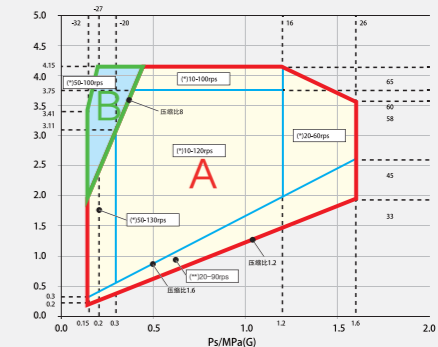
◆ Running in high temperature 55°C

The compressor drive module uses haier patented cooling technology



◆ Ultra-low temperature heating at -30°C

Under the condition of -30°C, the unit can be operated at low temperature to meet the heating requirements under extreme conditions;



CABINET KEY FEATURE



More Strong

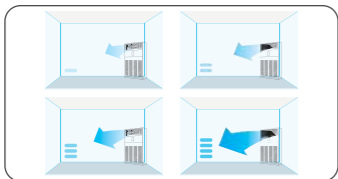
◆ Big air volume

The circulating air volume is up to 4500m³/h
Strong and fast cooling and heating



◆ Four speed control

Low, medium, high, strong mode. Meet the application requirements of different scenarios



◆ Wide angle air supply, swing air self - feeding adjustment

Pendulum wind up and down, left and right pendulum wind free positioning



◆ Large wind guide plate design

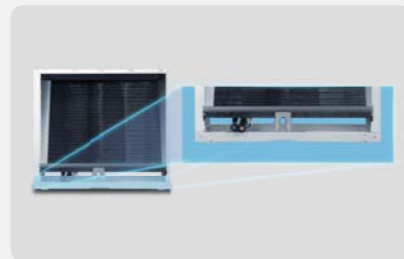
Easy to change the air volume, more uniform air supply; The air supply is further away



Design Flexibility

◆ Double water plate design

Effectively prevent indoor condensation water overflow



◆ Electric control box middle design

Effectively prevent condensate water from entering the electric control cabinet to ensure the safe and reliable operation of the air conditioner



Intelligent System

- Large screen LCD, more simple and convenient operation
- Remote control, line control, centralized control of a variety of control options



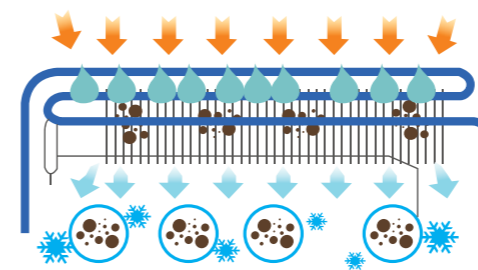
In case of fault of the whole machine, it shall judge the fault state by itself and take measures such as automatic operation or shutdown.



Healthy

◆ Self-cleaning

Haier clean patent technology, keep the indoor evaporator clean, breathe fresh air



Reliability

- High corrosion resistance and durable black coated fins
- The evaporator adopts black coated fins with high corrosion resistance, and 108 kinds of high quality materials are selected. Through 1500 hours of salt spray resistance test, its corrosion resistance has been improved by three times, which can be used in the scenes of high temperature, high humidity and high salt spray



DUCT KEY FEATURE



Design Flexibility

◆ Reliability design

The water plate is made of stainless steel material, which effectively prevents the rat from biting and ensures that the product does not leak



◆ Pull-in filter, easy to install (optional)

Two - section design of filter screen, easy to disassemble and install



◆ High corrosion resistance and durable black coated fins

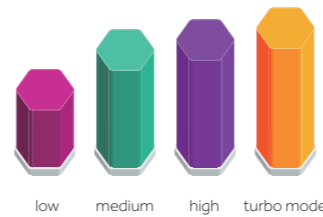
The evaporator adopts black coated fins with high corrosion resistance, and 108 kinds of high quality materials are selected. Through 1500 hours of salt spray resistance test, its corrosion resistance has been improved by three times, which can be used in the scenes of high temperature, high humidity and high salt spray



Super Comfort

◆ Multiple air flow choice

There are 4 speed airflow: low/medium/high / turbo mode to choose for comfort.



◆ Sufficient airflow

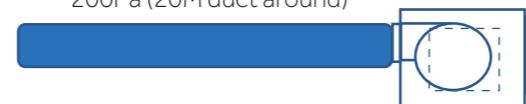
4600m³/h air flow design, to make the unit operation in high airflow



◆ Different external static pressure

- 4 ESP grades(50Pa & 75Pa & 100Pa & 200pa)
- Max pressure is 200Pa

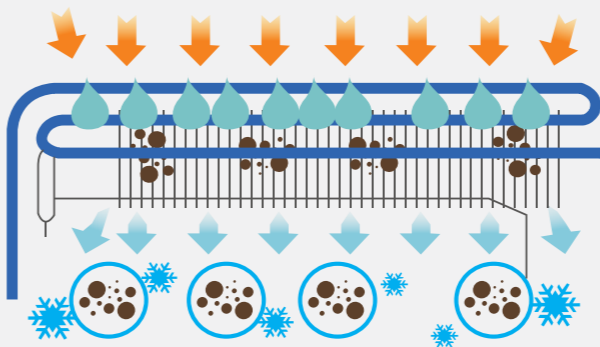
200Pa (20M duct around)



Healthy

◆ Self-cleaning

Haier clean patent technology, keep the indoor evaporator clean, breathe fresh air



◆ Weekly timer (optional)

Most shop owner when they use AC, they will turn on the AC in the morning, turn off the AC in the night. Haier duct unit can match with weekly timer controller YR-E16B, to set the daily on and off time, then the AC will automatically operation everyday. Shop owner will forget the AC control work.



Intelligent Choice

◆ Wifi control (optional)

Besides normal wired/wireless control, Haier supply wifi control solution. Download the "smart air 2" app in IOS or android version, you will have a remote control freely when you are out of home, including weekly timer.



◆ Central control

Can connect with central controller to realize central control



10P INVERTER

LINE UP & PARAMETER



Model	Standard Indoor unit		AD96HN1ERA*	AD96HN1ERA*	
	Outdoor unit		1U96WS1ERB	1U96WS1QRB*	
Nominal performance data	Capacity	Cooling	Btu/h (nor)	95600	95600
			kW nominal (min-max)	28(7.8-29)	28(7.8-29)
	Rated power input	Cooling	Btu/h (nor)	95900	
			kW nominal (min-max)	28.1(7.8-29)	
	ISEER	Heating	kW nominal (min-max)	11.3(2.0-13)	11.3(2.0-13)
			kW nominal (min-max)	9.7(2.0-13)	
COP	w/w	2.48	2.48		
Indoor Unit					
Electrical Parameters	Power supply	Ph/V/Hz	220-240V~, 50Hz	220-240V~, 50Hz	
Performance	Air flow	m³/h(H)	4600/4000/3500/2900	4600/4000/3500/2900	
	ESP	Pa	50-200Pa	50-200Pa	
	Sound pressure level(H/M/L)	dB(A)	54/51/48/45	54/51/48/45	
Installation	External dimensions(W/D/H)	mm	1333/750/497	1333/750/497	
	Shipping dimensions(W/D/H)	mm	1609/946/674	1609/946/674	
	Net/Shipping weight	kg	101/130	101/130	
	Wired Controller	Standard	YR-E20	YR-E20	
Wireless Controller	optional	---			
Outdoor Unit					
Electrical Parameters	Power supply	Ph/V/Hz	3N~, 380-415V, 50Hz	3N~, 380-415V, 50Hz	
Performance	Air flow (m³/h)	m³/h	10000.00	10000.00	
	Sound power level	dB(A)	62.00	62.00	
Installation	External dimensions(W/D/H)	mm	1050/400/1636	1050/400/1636	
	Shipping dimensions(W/D/H)	mm	1221/530/1795	1221/530/1795	
	Net/Shipping weight	kg	160/175	155/170	
	Compressor type	-	ROTARY	ROTARY	
	Refrigerant type	-	R410A	R410A	
	Refrigerant liquid pipe	mm	12.70	12.70	
	Refrigerant gas pipe	mm	22.20	22.20	
	Max pipe length	m	60.00	60.00	
	Max drop between I.U.&O.U	m	30.00	30.00	
	Refrigerant load in factory	kg	5.90	5.90	
Refrigerant charge quantity for extra length	g/m	60.00	60.00		
Working temp.	Cooling(Min-Max)	°C	18-55	18-55	
	Heating(Min-Max)	°C	-15-24		

Model	Standard Indoor unit		AP96FS1ERA*	AP96FS1ERA*	
	Outdoor unit		1U96WS1ERB*	1U96WS1QRB*	
Nominal performance data	Capacity	Cooling	Btu/h (nor)	95600	95600
			kW nominal (min-max)	28(7.8-29)	28(7.8-29)
	Rated power input	Cooling	Btu/h (nor)	95900	
			kW nominal (min-max)	28.1(7.8-29)	
	ISEER	Heating	kW nominal (min-max)	10.5(2.0-13)	10.5(2.0-13)
			kW nominal (min-max)	8.7(2.0-13)	
COP	w/w	2.67	2.67		
Indoor Unit					
Electrical Parameters	Power supply	Ph/V/Hz	220-240V~, 50Hz	220-240V~, 50Hz	
Performance	Air flow	m³/h(H)	4500/4100/3700/3400	4500/4100/3700/3400	
	ESP	Pa			
	Sound pressure level(H/M/L)	dB(A)	60/58/56/54	60/58/56/54	
Installation	External dimensions(W/D/H)	mm	1200/420/1880	1200/420/1880	
	Shipping dimensions(W/D/H)	mm	1318/605/2005	1318/605/2005	
	Net/Shipping weight	kg	133/149	133/149	
	Wired Controller	Standard	YR-HBS01	YR-HBS01	
Wireless Controller	optional	---	YR-HQS01		
Outdoor Unit					
Electrical Parameters	Power supply	Ph/V/Hz	3N~, 380-415V, 50Hz	3N~, 380-415V, 50Hz	
Performance	Air flow (m³/h)	m³/h	10000.00	10000.00	
	Sound power level	dB(A)	62	62.00	
Installation	External dimensions(W/D/H)	mm	1050/400/1636	1050/400/1636	
	Shipping dimensions(W/D/H)	mm	1221/530/1795	1221/530/1795	
	Net/Shipping weight	kg	160/175	155/170	
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	Max drop between I.U.&O.U	m	30.00	30.00	
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Working temp.	Cooling(Min-Max)	°C	18-55	18-55	
	Heating(Min-Max)	°C	-15-24		