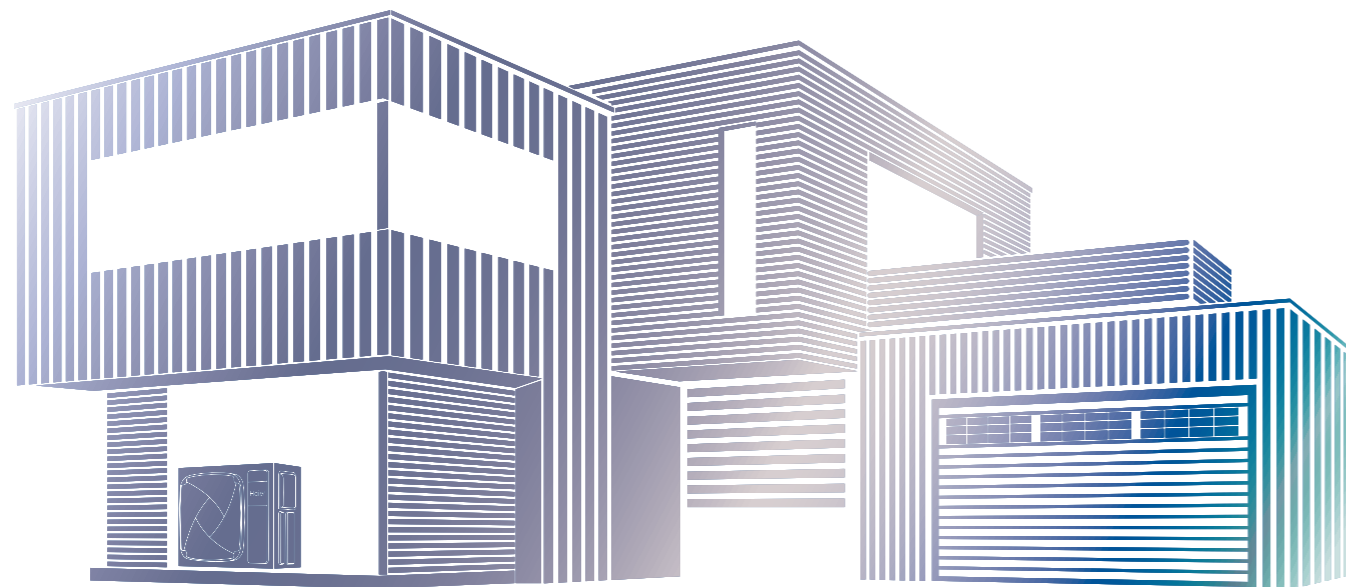



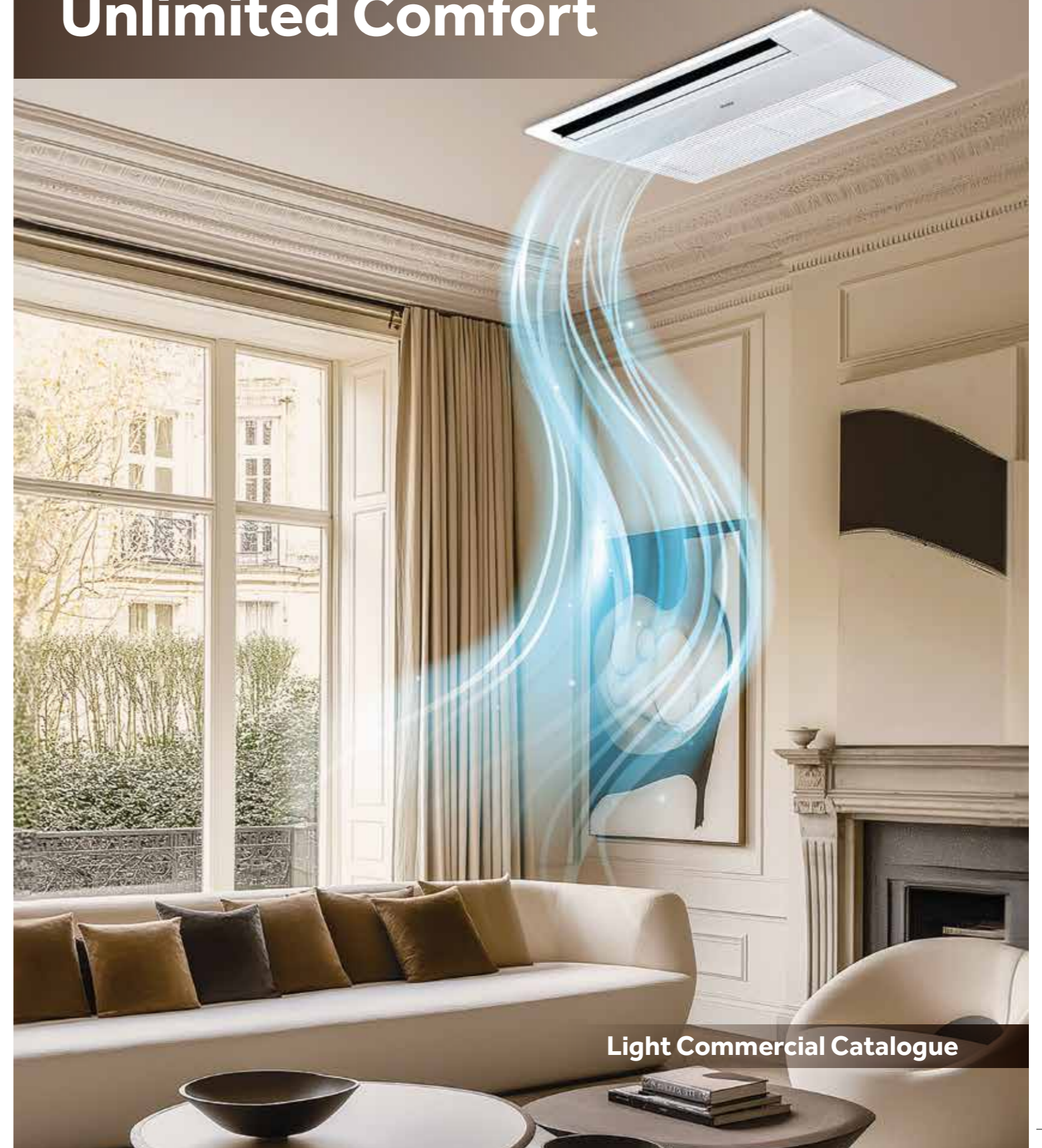
**Haier**  
Intelligent Buildings



 The specifications, designs and information in this brochure are subject to the actual products. Haier reserves the right to make change without any notice.

**Haier**

Unmatched Cooling.  
**Unlimited Comfort**



**Light Commercial Catalogue**

# 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.

Today 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 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.

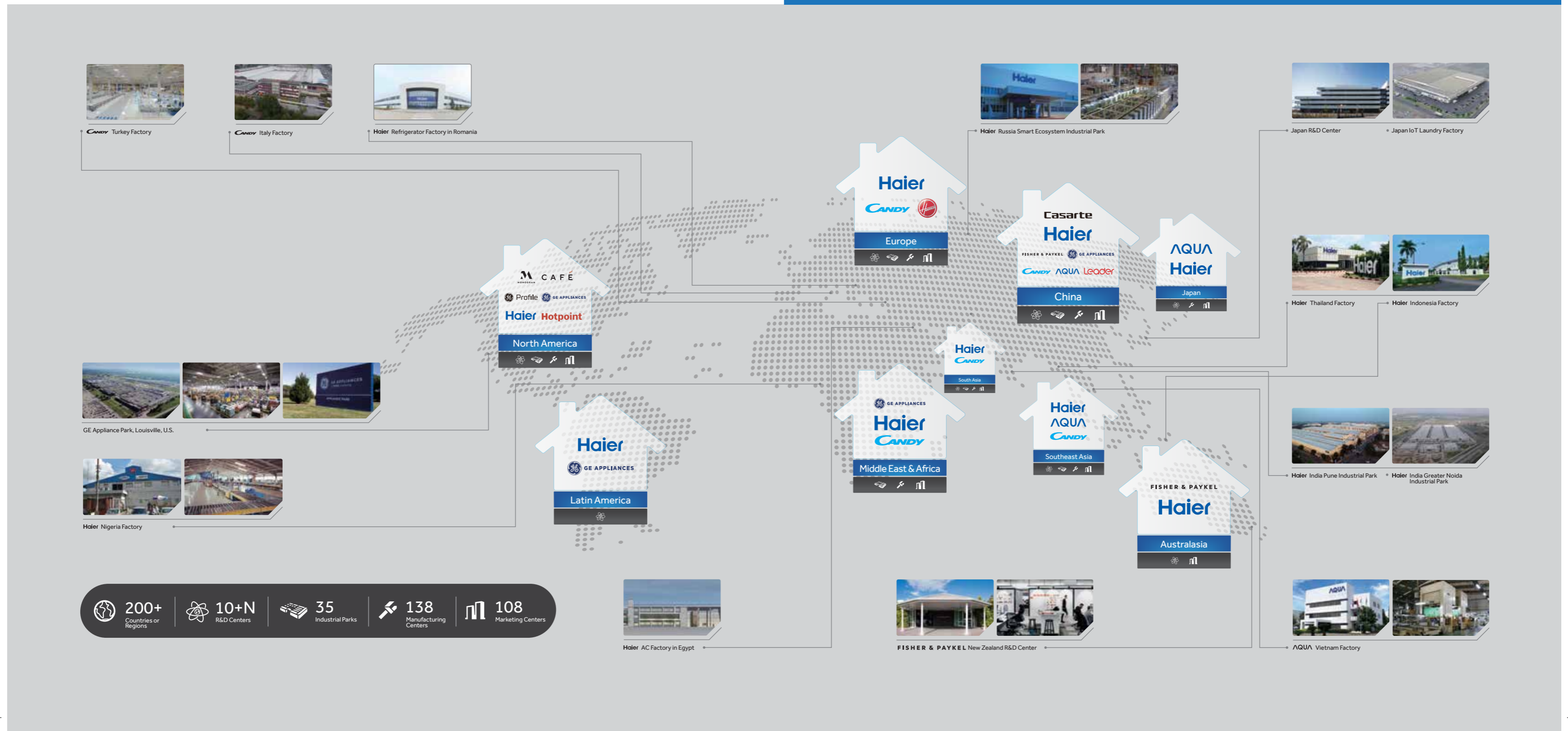
Upholding the vision of "creating new engines to growth in the era of IoT with Rendanheyi Model", Haier Group is committed to working with its world-class ecosystem partners to continuously build premium brand, scenario brand and ecosystem brand, and to set up IoT ecosystems in clothing, food, accommodation,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



# Haier Global Network

Haier has owned 10+N R&D centers, 35 industrial park, 138 factories, 108 marketing centers across the world, and the sales network over 200 countries or regions.

Haier has seven major household appliance brands across the world: Haier, Casarte, Leader, AQUA, Fisher & Paykel, GE Appliances (GEA) and CANDY. All these brands together have constituted Haier's global brand cluster, which can fully meet the best experience of different consumer groups in different regions all across the world.



# Haier Global Manufacturing Capacity

Haier owns 16 air conditioner factories, 1 of which is MHAQ, a JV between Haier and Mitsubishi Heavy. These factories have a total production capacity of over 27.2 million units per year.

The First Batch of Enterprises selected as  
**"Lighthouse Factory"**  
in the world

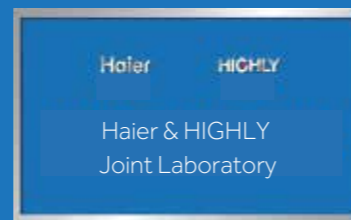


# Haier AC R&D Center

Haier Air Conditioning R&D Center, located in Qingdao, China, completed in December 2013, covers 20,000 square meters. It has more than 120 laboratories, including testing laboratories, key part research laboratories and all-weather user experience simulation laboratories. The R&D center also has the world tallest "drop tower" for testing long refrigerant piping tests(106 meters tall).

In April 2014, Haier established joint laboratories with Highly for research in heating & cooling technology and with Mitsubishi Electric for innovative technology for user experience. Research by the user experience center covers the fields of user comfort evaluation, aerodynamics, acoustics, EMC(Electro-Magnetic Compatibility) and mechanics etc. The labs can carry out more than 600 international tests as per ISO, IEC, EN, CISPR and ANSI etc. to meet the requirements of Europe, Asia, America, Australia, Middle East and other 100 countries and regions.

The user experience center gains recognition by domestic well-known certification and testing institutions, also is recognized by international organizations like TUV and Intertek etc. At Haier, we believe that the best air conditioning is one that builds on uncompromising quality control worldwide, developing and manufacturing fine products and delivering them to customers everywhere.



## R&D Labs



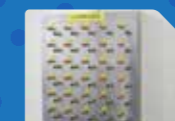
Emc Test



Simulated Rainfall Test



Enthalpy-difference Test



Safe Test



Acoustic Labs



Centralized Control



Simulated Snow Test



Simulated Sunshine Test



Limiting Condition Test



Humidity Condition Handling



Double 85 Test



Drop Test













## Global Certification



# PRODUCT LINE-UP

## R-32

 COOLING ONLY

Type	Btu/h	Controller	18000	24000	36000	48000
Power Supply		Standard	1/230/50	1/230/50	1/230/50	3/400/50
Outdoor			 1U18S6SM1SA	 1U24S6SR1SA	 1U36S6SS1SB	 1U48S6SN1SB
1 Way Cassette (P1B-1348IB)	 YL-HRS01		 AB18S6SA1FA	 AB24S6SA1FA		
Round Way Cassette (Panel PB-950QB)	 YL-HRS01		 AB18S6SR1FA	 AB24S6SR1FA	 AB36S6SR1FA	 AB48S6SR1FA



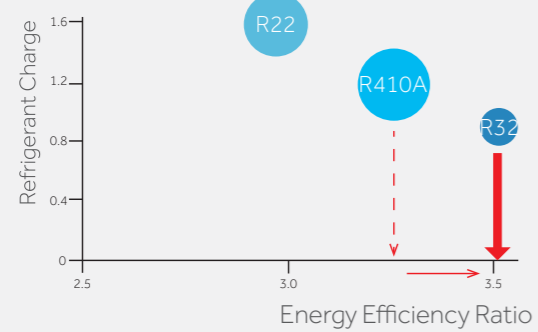
# OUTDOOR

## High Efficiency

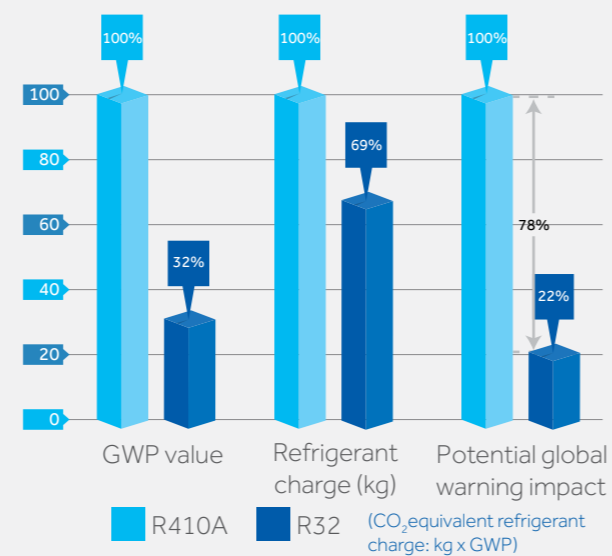
### R32 environmental refrigerant

Higher energy efficiency  
Benefits for Installers  
R32 lower GWP: 675, reducing the impact of refrigerant gases on global warming.

#### Refrigerant performance



Refrigerant performance	GWP
R22	1910
R410A	2088
R32	675



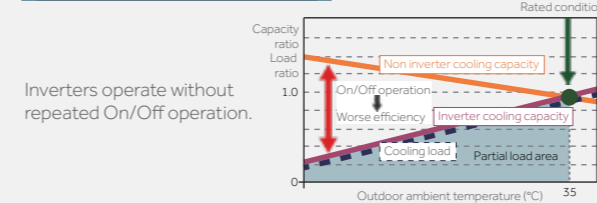
## High Efficiency

### Inverter

Inverter air conditioner can adjust its cooling capacity according to the cooling load. This is less power consumption.



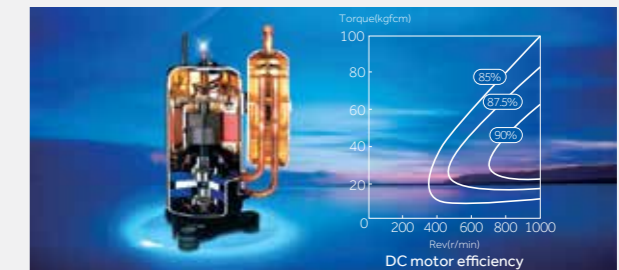
- Continuous driving without stopping and starting is more fuel efficient.
- Constantly stopping and starting consumes energy and is less fuel efficient.



Inverters operate without repeated On/Off operation.

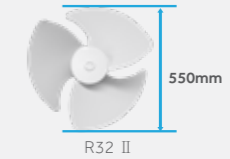
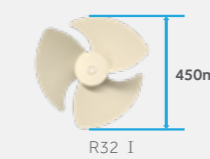
### DC inverter system

For the purpose of high seasonal performance, we take high discharge DC inverter compressor and DC fan motor with different running speed in different working conditions.

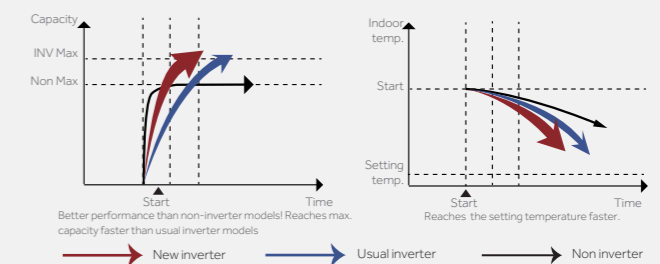
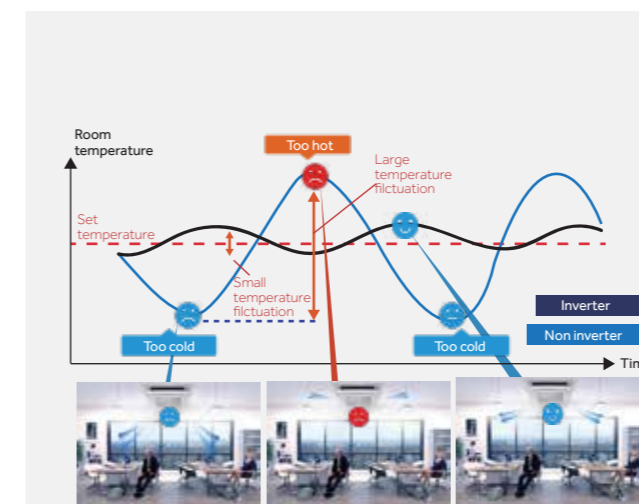


### New designed fan

Based on aerodynamics theory, we create 550mm super big diameter helix fan, air flow increase 16.7%.



## Comfortable



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.

## Convenience

### "888" digital test panel

All running parameters & error code can be checked from "888" digital display. installer can make easy work.



### Double side 4 handles

Because of double side 4 handles design, it is very easy for 2 peoples carry it.



### Built-in valve design

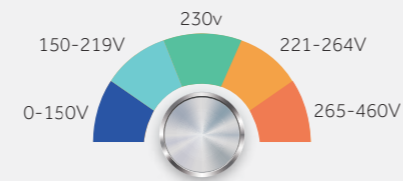
The new built-in valve design, it can realize 4 way pipe connection (front, rear, right, down), it is more beautiful and easy installation.



## Reliability

### Wide voltage operation\*

One phase: 150v-264v Three phase: 300v-460v

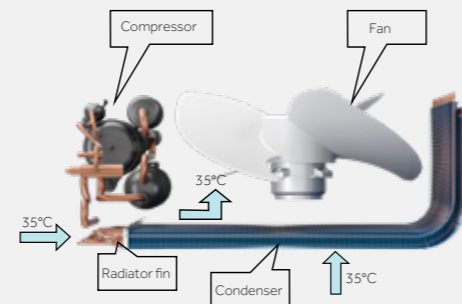
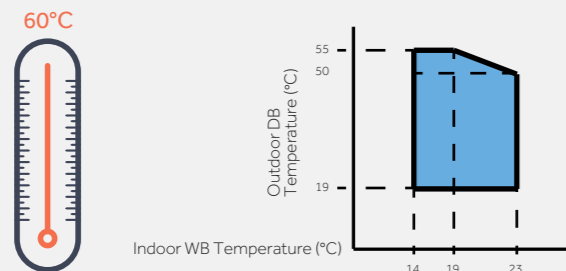


### Running in high temperature 60°C\*

Running in High temperature 55°C

The compressor drive module uses haier patented cooling technology.

Under the circumstance of high ambient temperature, the cooling capacity of the machine does not decline.



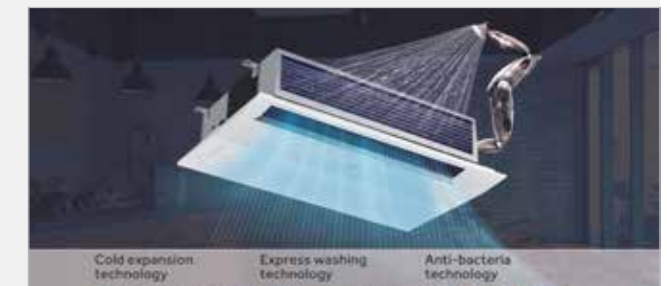
\*Applicable to the South Asia region



## Healthy

### Self-clean

Freezes the evaporator with moisture in the air, and removes away dirt in melting, 20 minutes of self-cleaning ensuring healthy air that comes out of air conditioners.



### Antibacterial filter

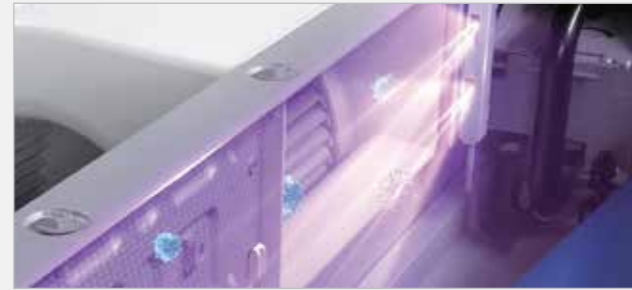
With silver ion health filter, its bactericidal rate is as high as 99.9%, mildew grade is 0.





### UVC sterilization (Optional)

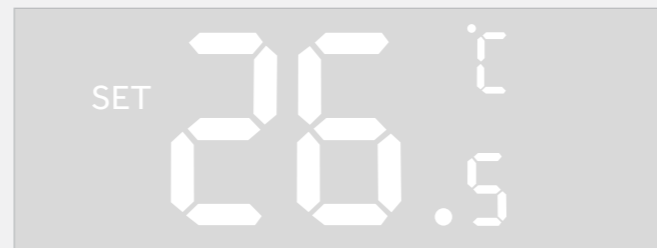
The built-in UVC sterilization module emits short-wave sterilization ultraviolet rays near the return air outlet to sterilize the air entering the air conditioner and removes harmful chemicals and residues.



## Exquisite Design

### LED hidden display

LED displays the temperature clearly and supports 0.5 °C temperature adjustment precise.



### Elegant jasmine white panel

Elegant jasmine white color design perfectly suits for different lifestyle.



## Comfortable

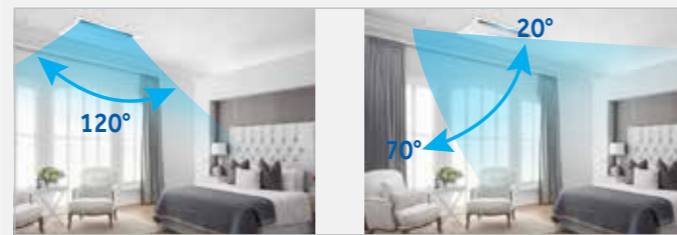
### 10° tilt panel

10° tilt panel avoids the air directly blowing to people and more comfortable.



### Freestyle airflow

- 5-Speed airflow
- Super wide air supply angle ensures the air supplied to each corner of the room.



### High ceiling design

High ceiling design which is suitable for 3.5m high ceiling space installation



## Convenience

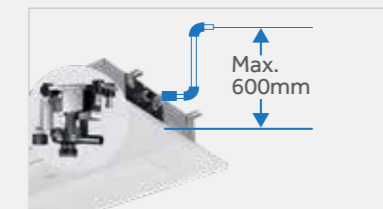
### 185mm ultra-thin unit

185mm of thickness for easy installation.



### High lift-up drain pump

It can lift condensed water up to 600mm, which make installation more flexible according to the layout.



## Smart

### IOT

Besides normal wired/infrared control, haier provides smart control from haier smart APP, including the ON/OFF, operation mode selection, fan speed, temperature, and air flow adjustment, etc.



### Room Card Function

Support the use of room card to control the unit on and off, can be well adapted to the hotel and other occasions.



R32 COOLING ONLY MULTI SPLIT INVERTER

R32 COOLING ONLY MONO SPLIT INVERTER

R32 COOLING ONLY MONO SPLIT ON/OFF

R410A COOLING ONLY MONO SPLIT INVERTER



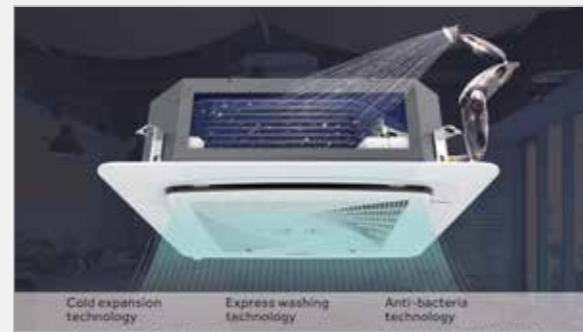
PIANO SERIES

# ROUND WAY CASSETTE

## 🏠 Healthy

### Self-clean

Freezes the evaporator with moisture in the air, and removes away dirt in melting, ensuring healthy air that comes out of air conditioners.



### UVC sterilization (optional)\*

The built-in LED UV lights kill airborne hazards when the air circulates from air inlet, ensuring the clean air out.

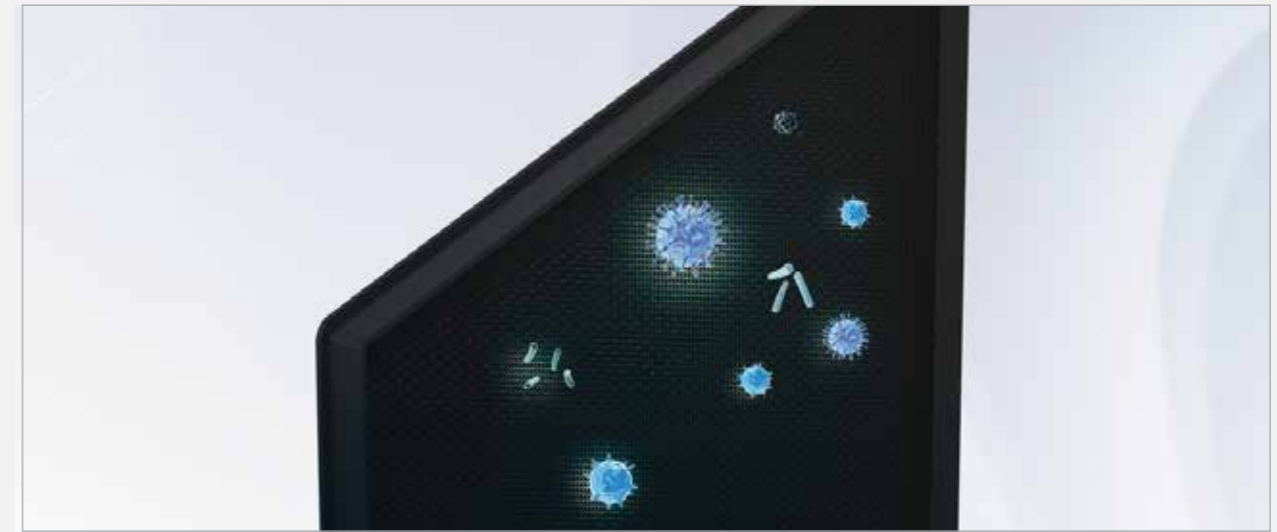


\*The H series will come standard with UVC module

### Antibacterial filter (optional)

Silver (Ag) is a natural antibacterial material, which has good broad-spectrum antibacterial properties and could motivate bacterial extinction.

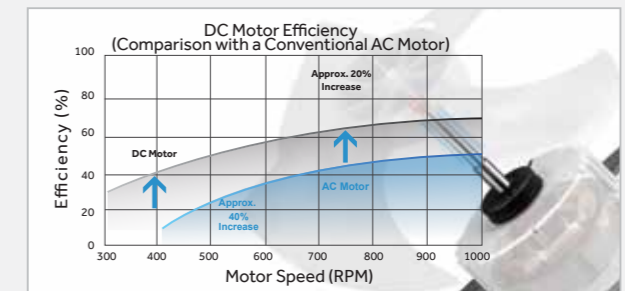
Haier antibacterial filter has added silver ions and antibacterial organics to kill escherichia coli & staphylococcus aureus effectively, with long lasting effects.



## 🌱 Energy Saving

### DC fan motor

Haier cassette adopts DC fan motor, compared to conventional AC fan motor, DC fan motor is more efficiency.

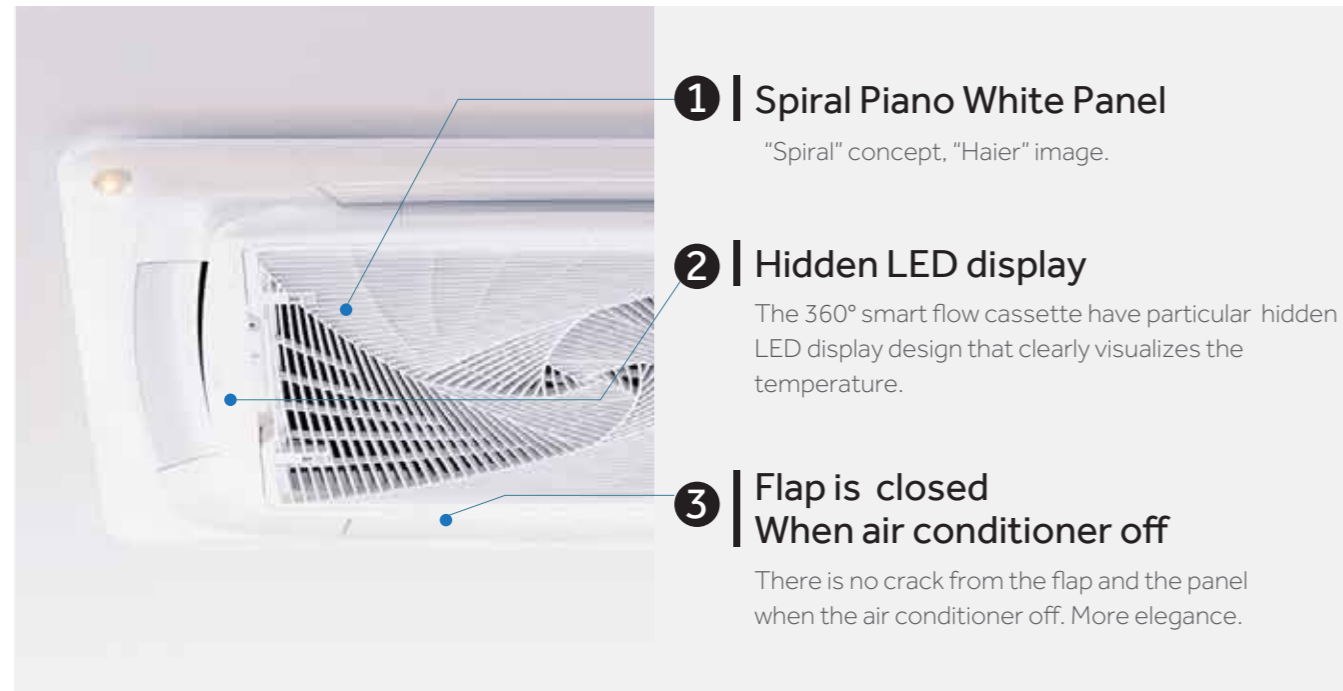


### New heat exchanger design

The area of exchanger is enlarge to increase heating efficiency.



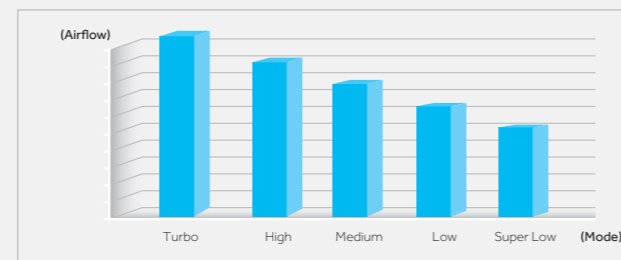
## Exquisite Design



### Free Style airflow

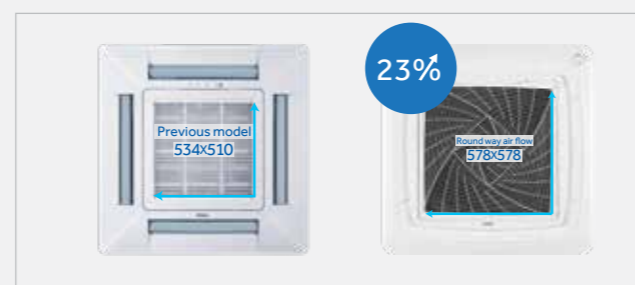
There are 5-speed airflow: super low/low/medium/high/turbo mode to choose.

Turbo mode with super high speed for cooling/heating rapidly; (increases the cooling effect and speed by 10%).



### Super big inlet Grill

Compared to conventional air inlet grill, we enlarge the air inlet area by 23%, lower air speed & lower the sound level.



### Brand-new designed fan

The diameter of new fan is enlarged based on acrodynamic theory, so that there is the least resistance against airflow. Reduce 3dB(A) for sound level.



## Comfortable

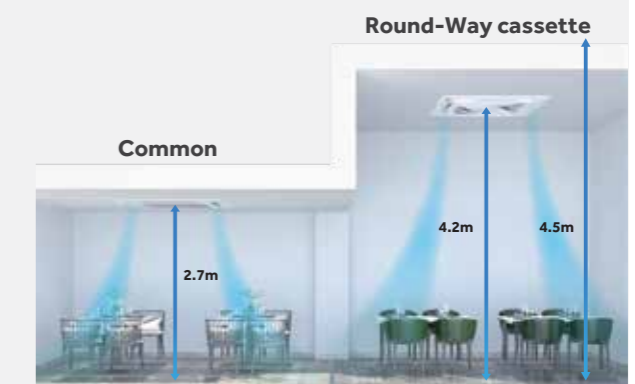
### Individual flap control

The four flaps can be controlled individually according to end users by controller, providing maximum comfort throughout the room, it is a good solution to avoid "air conditioning disease".



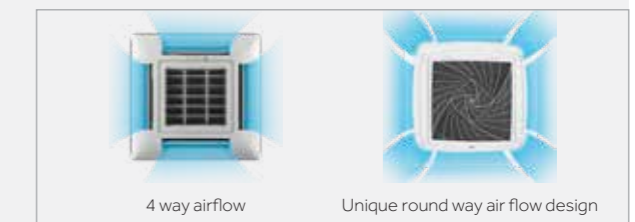
### High ceiling mode

Lots of shops are 5 meters high ceiling. This model can be installed in 4.5 metres height. The best solution for high ceiling shop.



### Round way air supply

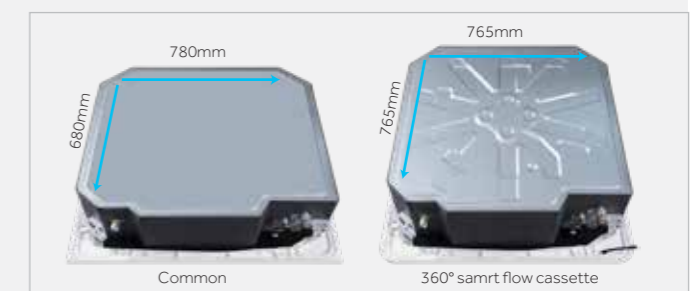
Round way air supply without blind spot.



## Convenience

### Square hanger

Unit body size: 765\*765mm, innovative square hanger, flexible direction adjustment for installation.



### Dismantling only 1 screw

Installer can finish wiring by taking down 1 screw.



### Convenient clip

There is clip to lock the panel. Just one installer can finish the screwing for panel. Save manpower and easy installation.



### High lift-up drain pump

It can lift condensed water up to 1000mm, which is more flexible to install the duct according to the layout.



## Smart

### IOT

Besides normal wired/infrared control, haier supplies smart control from haier smart APP, including the on/off, operation mode selection, fan speed temperature, and air flow adjustment.



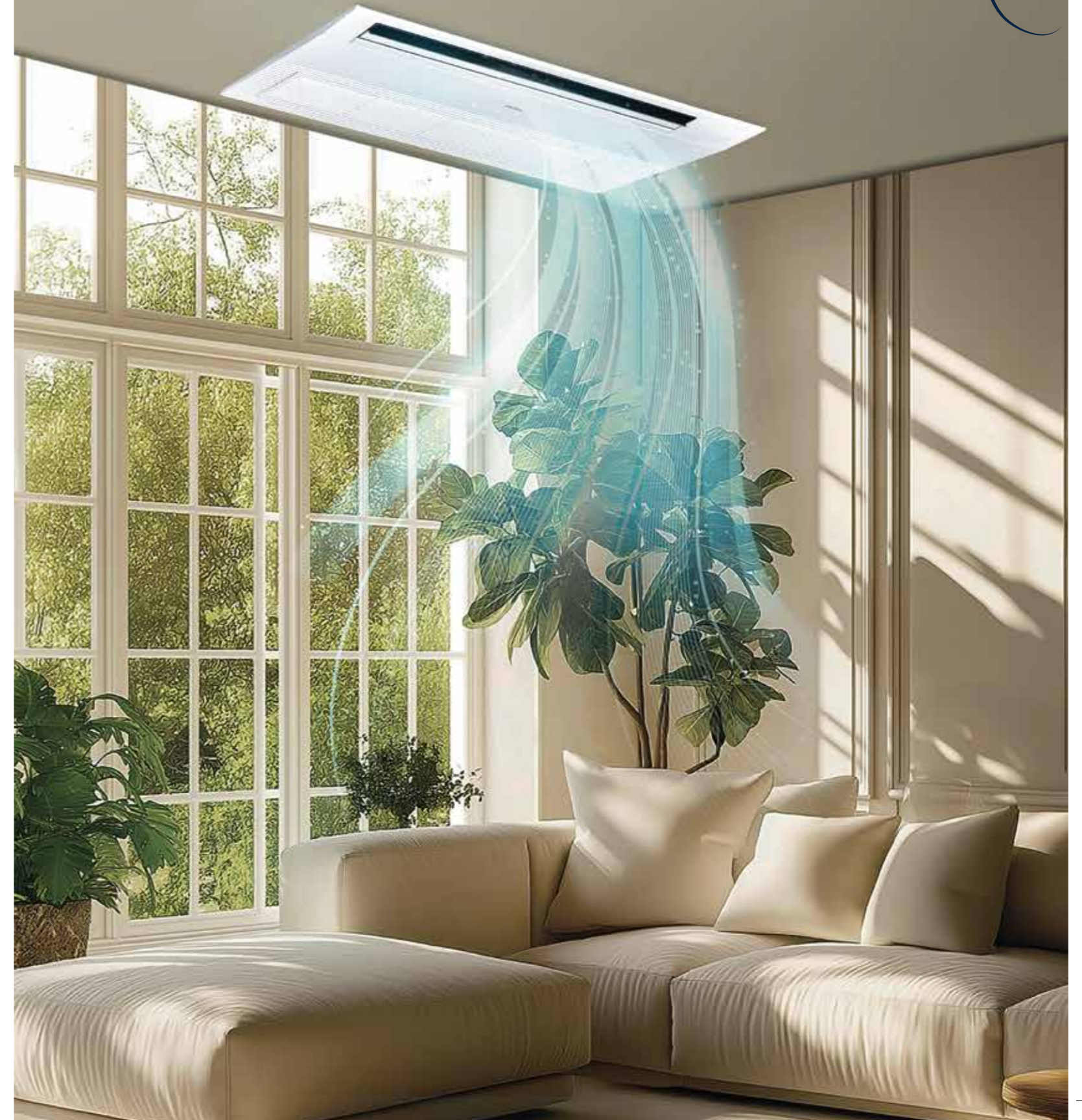
\*The H series will come standard with WiFi module

### Human sensor (optional)

Switch-on when people coming in and switch-off when people leaving to save energy.




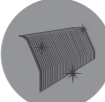



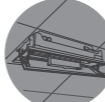
# INNOVATIVE COOLING SEAMLESS *Comfort*



# 1-Way Cassette



18k/24k Btu/Hr

-   
UV-C
-   
Antibacterial Filter
-   
Self Clean
-   
Room Card
-   
600mm Drain Pump
-   
Hook Type Easy Installation



MODEL	Indoor Unit		Outdoor Unit	
	Outdoor Unit		AB18S6SA1FA 1U18S6SM1SA	AB24S6SA1FA 1U24S6SR1SA
Function			Cooling	Cooling
Nominal Performance Data	Capacity		5.1	6.5
	ISEER		3.99	3.84
Star Rating			3	3
<b>INDOOR UNIT</b>				
Electrical Parameters	Power Supply	Ph/V/Hz	1/230/50	1/230/50
Performance	Indoor Air Flow (H/M/L)		800/650/500	900/800/600
	Sound Pressure Level (H/M/L)		51/46/41	52/47/42
Installation	External Dimension (W/D/H)		1170/539/185	1170/539/185
	Net/Shipping Weight		26/31	27/32
Panel Model	Panel Mode		P1B-1348IB	P1B-1348IB
	External Dimension (W/D/H)		1348/600/45	1348/600/45
Coil Material	Net/Shipping Weight		5.1/9.8	5.1/9.8
			Copper	
Fin Type			Hydrophilic Aluminium	
<b>OUTDOOR UNIT</b>				
Electrical Parameters	Power Supply	Ph/V/Hz	1/230/50	1/230/50
Installation	External Dimension (W/D/H)		800/280/555	890/340/700
	Net/Shipping Weight		31/35	50/59
	Compressor Type		/	Rotary
	Refrigerant Type		/	R32
	Liquid Gas		mm	6.35
Working Temp.	Gas Side		mm	12.7
	Operation Temperature		°C	16-30
Coil Material	Ambient Temperature Range		°C	18-55
			Copper	
Fin Type			Hydrophilic Aluminium	

R32 COOLING ONLY MULTI SPLIT INVERTER

R32 COOLING ONLY MONO SPLIT INVERTER

R32 COOLING ONLY MONO SPLIT ON/OFF

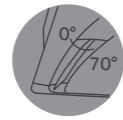
R410A COOLING ONLY MONO SPLIT INVERTER

# Round Way Cassette

18k/24k/36k/48k Btu/Hr



Innovative 4 Independent Airflow Control



Auto Swing: Wide Discharge Angle: 0° to 70°



Round Way Air Supply



Intelligent Sensor (optional)



Convenient Clip



Self Clean



MODEL	Indoor Unit		AB18S6SR1FA	AB24S6SR1FA	AB36S6SR1FA	AB48S6SR1FA	
	Outdoor Unit		1U18S6SM1SA	1U24S6SR1SA	1U36S6SS1SB	1U48S6SN1SB	
Function			Cooling	Cooling	Cooling	Cooling	
Nominal Performance Data	Capacity		KW	5.2	6.8	10.6	13
	ISEER		/	4.33	4.19	3.61	3.61
Star Rating			/	3	3	3	3
<b>INDOOR UNIT</b>							
Electrical Parameters	Power Supply		Ph/V/Hz	1/230/50	1/230/50	1/230/50	1/230/50
Performance	Indoor Air Flow (H/M/L)		m <sup>3</sup> /h	1300/1100/900	1600/1300/1000	1800/1500/1250	2000/1800/1600
	Sound Pressure Level (H/M/L)		dB(A)	46/43/39	52/48/42	55/52/46	56/53/47
Installation	External Dimension (W/D/H)		mm	840/840/204	840/840/246	840/840/246	840/840/288
	Net/Shipping Weight		kg	24/29	26/33	26/33	29/35
Panel Model	Panel Mode		/	PB-950QB	PB-950QB	PB-950QB	PB-950QB
	External Dimension (W/D/H)		mm	950/950/50	950/950/50	950/950/50	950/950/50
	Net/Shipping Weight		kg	5.5/8.5	5.5/8.5	5.5/8.5	5.5/8.5
Coil Material			Copper				
Fin Type			Hydrophilic Aluminium				
<b>OUTDOOR UNIT</b>							
Electrical Parameters	Power Supply		Ph/V/Hz	1/230/50	1/230/50	3/400/50	3/400/50
Installation	External Dimension (W/D/H)		mm	800/280/555	890/340/700	920/370/756	950/370/965
	Net/Shipping Weight		kg	31/35	37/42	53/57	75/86
	Compressor Type		/	Rotary	Rotary	Rotary	Rotary
	Refrigerant Type		/	R32	R32	R32	R32
	Liquid Gas		mm	6.35	9.52	9.52	9.52
Working Temp.	Gas Side		mm	12.7	15.88	19.05	19.05
	Operation Temperature		°C	16-30	16-30	16-30	16-30
Coil Material	Ambient Temperature Range		°C	18-55	18-55	18-55	18-55
			Copper				
Fin Type			Hydrophilic Aluminium				

R32 COOLING ONLY MULTI SPLIT INVERTER










R32 COOLING ONLY MONO SPLIT INVERTER

R32 COOLING ONLY MONO SPLIT ON/OFF

R410A COOLING ONLY MONO SPLIT INVERTER

# PRODUCT LINE-UP

## R410A

Type	BTU/h	Controller	36000	48000	96000	48000
Power Supply		Standard	3/400/50	3/400/50	3/400/50	3/400/50
Outdoor			 <p>1U36NC1QRB</p>	 <p>1U48NC1QRB</p>	 <p>1U96WS1QRB</p>	 <p>1U48IC2ERB</p>
Tower	 <p>YL-HQS01</p>		 <p>AP36KC1QRA</p>	 <p>AP48KC1QRA</p>	 <p>AP96FS1ERA</p>	 <p>AP48KC1ERA</p>



# TOWER

## Healthy

### Self-clean

Freezes the evaporator with moisture in the air, and removes away dirt in melting, ensuring healthy air that comes out of air conditioners.



### Fresh air inlet

Freezes the evaporator with moisture in the air, and removes away dirt in melting, ensuring healthy air that comes out of air conditioners. Silver (Ag) is a natural antibacterial material, which has good broad-spectrum antibacterial properties and could motivate bacterial extinction. Haier antibacterial filter has added silver ions and antibacterial organics to kill Escherichia coli & Staphylococcus aureus effectively, with long lasting effects.



## Comfortable



### 3D airflow

The cabinet type adopts two stepping motors to combines vertical and horizontal auto-swing to circulate cool/warm air to the every corner of the room.

### Wide angle 160° air supply

Rounding 3-dimensional, 160° wide angle air sending, reach every corner of the room.

### 15m long distance airflow

According to the requirement of office room and large parlor, 15m long distance.



### Reliable protect

Reliable protect the system has many protect functions to achieve reliable running: High-pressure protection; Low-pressure protection; Phase protection; Over-current protection.



### Child lock

After you set this function, the working status can not be changed either by the remote controller or the touch screen, unless this setting is cancelled.



R32 COOLING ONLY MULTI SPLIT INVERTER

R32 COOLING ONLY MONO SPLIT INVERTER

R32 COOLING ONLY MONO SPLIT ON/OFF

R410A COOLING ONLY MONO SPLIT INVERTER





# Tower

36k/48k/96k



15m Long Distance Airflow



Wide Angle 160° Air Supply



High Efficiency Air Purify Filter



3D Airflow



MODEL	Indoor Unit		AP36KC1QRA	AP48KC1QRA	AP96FS1ERA	AP48KC1ERA
	Outdoor Unit		1U36NC1QRB	1U48NC1QRB	1U96WS1QRB	1U48IC2ERB
Function			Cooling	Cooling	Cooling	Heat Pump
Nominal Performance Data	Capacity	KW	10.8	13.0	24.7	12.5
	ISEER	/	3.23	3.39	NA	3.47
Star Rating		/	2	2	NA	3
<b>INDOOR UNIT</b>						
Electrical Parameters	Power Supply	Ph/V/Hz	1/230/50	1/230/50	1/230/50	1/230/50
Performance	Indoor Air Flow (H/M/L)	m3/h	2000/1800/1500	2000/1700/1500	4500/4100/3700	2000/1700/1500
	Sound Pressure Level (H/M/L)	dB(A)	49/45/41	49/45/41	60/58/56	49/45/41
Installation	External Dimension (W/D/H)	mm	600/350/1880	600/350/1880	1200/420/1880	600/350/1850
	Net/shipping Weight	kg	59/68	59/68	133/149	59/68
Coil Material			Copper			
Fin Type			Hydrophilic Aluminium			
<b>OUTDOOR UNIT</b>						
Electrical Parameters	Power Supply	V/Ph/Hz	3/400/50	3/400/50	3/400/50	3/400/50
Performance	Airflow (H)	m3/h	4500	5000	10000	6000
	Sound Pressure Level (H)	dB(A)	64	61	62	58
Installation	External Dimension (W/D/H)	mm	920/385/762	965/370/950	1050/400/1636	948/340/1250
	Net/shipping Weight	kg	61/66	78/90	155/170	96
	Compressor Type	-	Rotary	Rotary	Rotary	Rotary
	Refrigerant type	-	R410A	R410A	R410A	R410A
	Liquid Gas	mm	9.52	9.52	12.7	9.52
Working Temp.	Gas Side	mm	15.88	19.05	22.22	19.05
	Operation Temperature	°C	16-30	16-30	16-30	16-30
Working Temp.	Ambient Temperature Range	°C	18-55	18-55	18-55	-5-55
	Coil Material		Copper			
Fin Type			Hydrophilic Aluminium			

R32 COOLING ONLY MULTI SPLIT INVERTER

R32 COOLING ONLY MONO SPLIT INVERTER

R32 COOLING ONLY MONO SPLIT ON/OFF

R410A COOLING ONLY MONO SPLIT INVERTER

Date / /

