Haier

Intelligent Buildings

Sep., 2023
Version 1.0

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Intelligent Buildings

LIGHT COMMERCIAL AC-Super Match

2024 South & Southeast Asia

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2024
Light Commercial AC
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Haier Brand Story

Established in 1984, Haier Group is a world-leading provider of a better life and digital transformation solutions.

With users at the center of all we do, we have deployed 10 R&D centers, 71 research institutes, 33 industrial parks, 133 manufacturing centers and more than 230,000 sales networks worldwide. We are the world's only IoT ecosystem brand that has been ranked on the list of BrandZ Top 100 Most Valuable Global Brands for four years straight and topped Global Major Appliances Brand Rankings by Euromonitor International for 13 consecutive years. In 2021, our global revenue reached USD 52.2 billion, and our brand value reached USD 74.3 billion.

We own three listed companies. Our subsidiary Haier Smart Home is among the list of Fortune Global 500 and Fortune World's Most Admired Companies. We own seven global high-end brands, namely Haier, Casarte, Leader, GE Appliances, Fisher & Paykel, AQUA and Candy; and the world's first smart home scenario brand - THREE WINGED BIRD. In addition, we have built the world's leading Industrial Internet platform COSMOPlat and the great healthcare brand Yingkang Healthcare. Our entrepreneurship acceleration platform HCH has successfully incubated 7 unicorn companies, 102 gazelle companies, and 80 specialized and sophisticated enterprises.
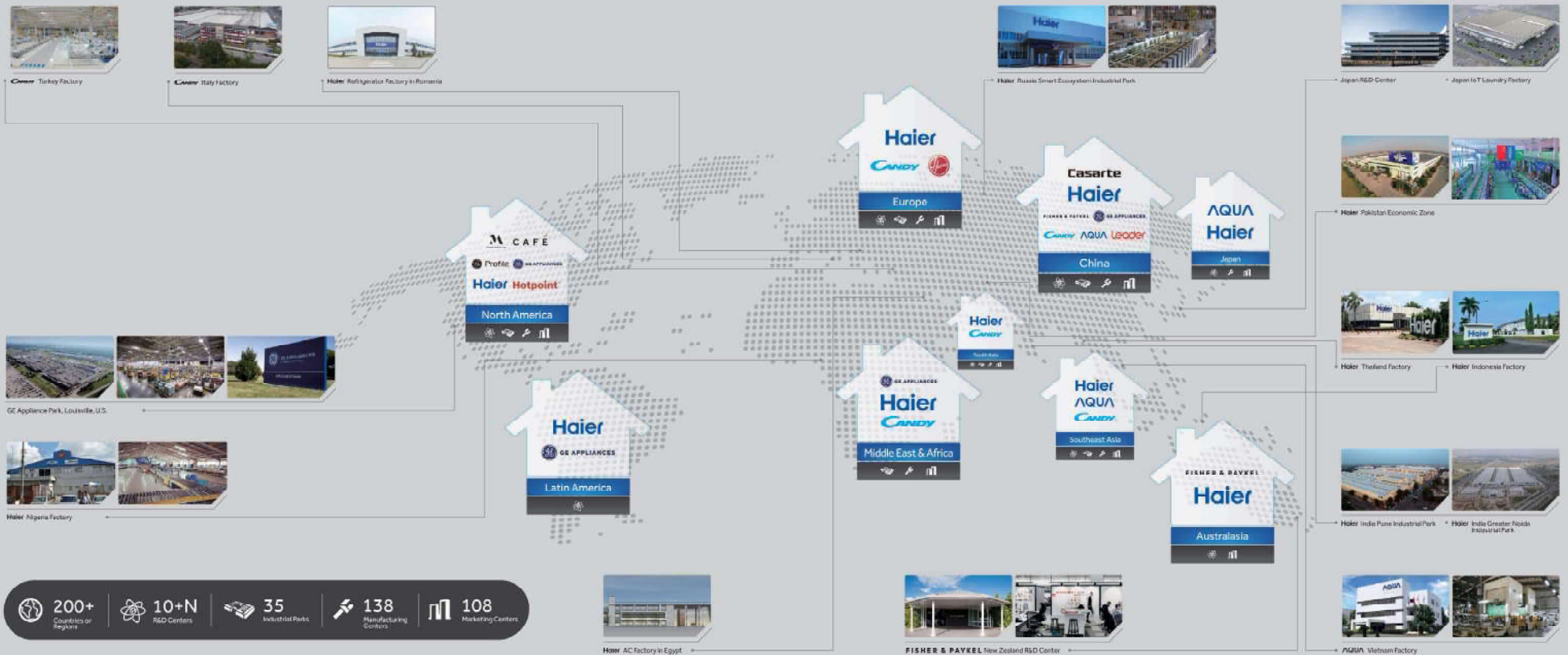
As a representative of the real economy, we have been constantly focusing on the industry and develop businesses in smart home and living, Industrial Internet, and great healthcare sectors; and have been building high-end, scenario and ecosystem brands. Through technological innovation, we aim to customize a personalized smart living experience for global users, help corporate clients with digital transformation, and promote high-quality and sustainable economic and social development.

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.

KANTAR BRAND
The World's Only IoT Ecosystem Brand For 4 Years

EUROMONITOR INTERNATIONAL
Global No.1 Major Appliance Brand " 14 Consecutive Years

FORTUNE WORLD'S MOST ADMIRED COMPANIES
Haier Smart Home was named one of Fortune's most admired companies in the world.

FORTUNE GLOBAL 500 2020
In 2020,Haier Smart Home was once again listed on the Fortune Global 500, ranking 13 up from last year.

Candy Turkey Factory
Candy Italy Factory
Haier Refrigerator Factory in Romania
Haier Russia Smart Ecosystem Industrial Park
Japan R&D Center
Japan IoT Laundry Factory

Europe — Haier / CANDY / Hoover

North America — M CAFÉ / GE Profile / Hotpoint / Haier / Hotpoint

China — Casarte / Haier / Fisher & Paykel / GE Appliances / Candy / AQUA / Leader

Japan — AQUA / Haier

Haier Pakistan Economic Zone

GE Appliance Park, Louisville, U.S.

South Asia — Haier / Candy

Haier Thailand Factory
Haier Indonesia Factory

Haier Nigeria Factory

Latin America — Haier / GE Appliances

Middle East & Africa — Haier / CANDY

Southeast Asia — Haier / AQUA / CANDY

Australasia — Fisher & Paykel / Haier

Haier India Pune Industrial Park
Haier India Greater Noida Industrial Park

200+ Countries or Regions	10+N R&D Centers	35 Industrial Parks	138 Manufacturing Centers	108 Marketing Centers

Haier AC Factory in Egypt

FISHER & PAYKEL New Zealand R&D Center

AQUA Vietnam Factory

Haier Global Manufacturing Capacity

In China, Haier owns 8 air conditioner factories, 1 of which is MHAQ, a JV between Haier and Mitsubishi Heavy. Besides China, Haier runs another 8 overseas air conditioner factories. These factories have a total production capacity of over 27.2 million units per year.
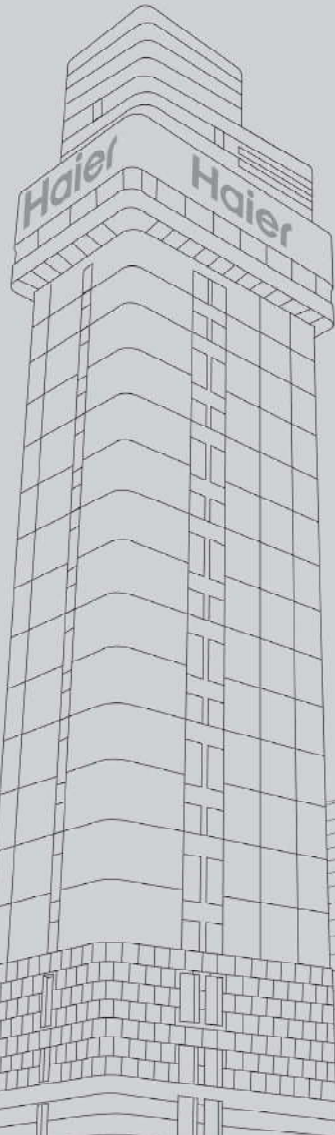

Chongqing

Zhengzhou

Hefei

Huangdao

Dalian

Jiaozhou

MHAQ

Wuhan

Tunisia

India

Algeria

Thailand

Nigeria

Pakistan

Bangladesh

Vietnam

The First Batch of Chinese Local Enterprise Selected as
"Lighthouse Factory"
in the world

Haier 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.

Haier & Mitsubishi
Joint Laboratory

Haier & HIGHLY
Joint Laboratory

R&D Labs

EMC Test Lab

Water-spray
Test Lab

Psychrometric
Test Lab

Safety Test Lab

Full-anechoic
Test Lab

Centralized Control

Simulated Snow
Test Lab

Simulated
Sunshine Test Lab

Environmental
Evaluation Test Lab

Humidity
Evaluation Test Lab

Double 85
Test Lab

Height Drop
Test Lab
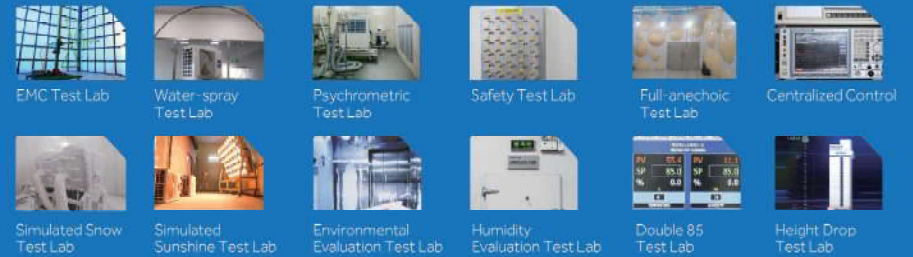
Global Certification

R410A
COOLING ONLY
MONO SPLIT
INVERTER

PRODUCT LINE-UP

Type	BTU/h	Controller	24000	36000	48000	66000	96000	102000	132000
Power Supply		Standard	1/230/50	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50
Outdoor			1U24JC2QRA	1U36NC1QRB	1U48NC1QRB	1U66NC1QRB	1U96WS1QRB	1U102PC1QRB	1U132WC1QRB
Slim Duct (panel optional)		HW-BA216ABK	AD24S2SS2FA / P1D-1220iA/D						
High ESP Duct		HW-BA216ABK				AD66HC1QRA	AD96HN1ERA	AD102HC1QRA	AD132HC1QRA
Round Wy Cassette (Panel PB-950KB)		YL-HQS01	AB24GC2QRA	AB36KC1QRA	AB48KC1QRA				
Cabinet		YL-HQS01		AP36KC1QRA	AP48KC1QRA		AP96FS1ERA		

CABINET

⚡ High Efficiency

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.

Cabinet

15m Long Distance Airflow

Wide Angle 160° Air Supply

High Efficiency Air Purify Filter

3D Airflow

Model	Indoor Unit		AP36KC1QRA	AP48KC1QRA	AP48KC1QRA	AP96FS1ERA
	Outdoor Unit		1U36NC1QRB	1U48NC1QRB	1U48NC1QAB	1U96WS1QRB
Nominal Performance Data	Cooling Capacity	kW	10.0	14.0	13.4	28.0
		Btu/h/1000	34.1	47.8	45.7	95.6
	Input	W	4000	4700	4400	10500
	EER	–	2.5	2.97	3.04	2.67
	ISEER	–	3.00	/	/	/
INDOOR UNIT						
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	2000/1800/1700/1500	2000/1800/1700/1500	4500/4100/3700
	Sound Pressure Level (H/M/L)	dB(A)	54/52/49	54/52/29	54/52/49	60/58/56
Installation	External Dimensions (W/D/H)	mm	600/350/1880	600/350/1880	600/350/1880	1200/420/1880
	Shipping Dimensions (W/D/H)	mm	690/450/1990	690/450/1990	690/450/1990	1318/605/2005
	Net/Shipping Weight	kg	59/67	59/68	59/68	133/149
	Controller	Standard	YL-HQS01	YL-HQS01	YL-HQS01	YR-HQS01
		Option	/	/	/	/
OUTDOOR UNIT						
Electrical Parameters	Power Supply	V/Ph/Hz	3/400/50	3/400/50	3/400/50	3/400/50
Performance	Air Flow (H)	m³/h	4500	5000	5000	10000
	Sound Pressure Level	dB(A)	64	61	61	62
Installation	External Dimensions (L/W/H)	mm	920/385/762	965/370/950	950/570/965	1050/400/1656
	Shipping Dimensions (L/W/H)	mm	1070/472/808	1050/485/1130	1050/485/1130	1221/530/1795
	Net/Shipping Weight	kg	61/66	78/90	81/92	155/170
	Compressor Type	–	Rotary	Rotary	Rotary	Rotary
	Refrigerant Type	–	R410A	R410A	R410A	R410A
	GWP	–	2088	2088	2088	2088
	Liquid Side	mm	9.52	9.52	9.52	12.7
	Gas Side	mm	15.88	19.05	19.05	22.22
	Max Pipe Length	m	30	30	30	60
	Max Drop Between I.U&O.U	m	20	20	20	30
	Refrigerant Load in Factory	g	1750	2700	2500	5900
	Refrigerant Charge Quantity for Extra Length	g/m	45	45	45	90
Working Temp.	Operation Temperature Range	°C	16-30	16-30	16-30	16-30
	Ambient Temperature Range	°C	18-55	18-55	18-55	18-55