

# Quartz

Hi-Wall Split Systems



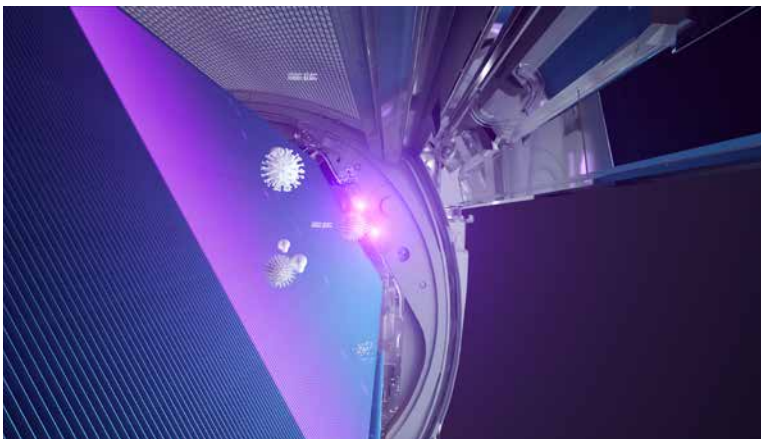
**Product Brochure**

**Haier**



## UV Protect

Built-in LED UV light helps kill airborne pathogens, delivering clean air to your room.



UV Protect helps to deliver clean air to your room using Health mode, with built-in LED UV lights that kill airborne *Staphylococcus aureus* bacteria and the H3N2 virus at more than 91% effectiveness under specific test conditions.\*

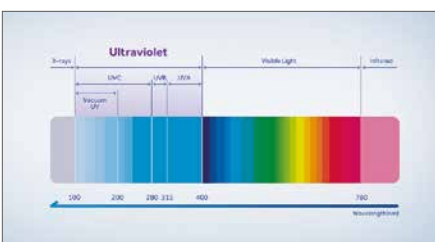
\*Independent testing has found 91.47% elimination of the H3N2 virus in a 30 metre<sup>3</sup> closed room and 92.78% of *Staphylococcus aureus* bacteria in a 10m<sup>3</sup> closed room, for two hours on Health mode at the highest fan speed.

## Benefits



### Safe operation

UV Protect helps to deliver clean air without the use of harmful chemicals or pollutants.



### Effective sterilisation

Haier UVC sterilisation utilises a wavelength between 265 and 275nm, which is more capable of destroying invisible pollutants in the air than UVA or UVB.

## Texcell certification\*



# Self-cleaning technology

Exclusive to Haier, the Self-clean function ensures your home always gets healthy air from your air conditioner. Using innovative technologies to kill and prevent the growth of bacteria while removing dirt and draining water efficiently, you'll enjoy clean airflow all year round.

Dirt accumulates on the evaporator during operation. If not cleaned regularly, this can lead to the growth of mould and bacteria, compromising the air quality coming through your air conditioner and reducing efficiency.



## Cold Expansion Technology

Frost on the evaporator or condenser generates strong cold expansion force to remove dirt from the surface.



## Express Washing Technology

The evaporator fins have a hydrophilic aluminium coating and small angle to increase water drainage efficiency.\*



## Anti-bacterial Technology

The aluminium coating contains silver ion nanoparticles that help to kill and inhibit the growth of bacteria with up to 99% efficacy.\*

## Benefits



### Clean airflow

Our innovative self-cleaning technology helps to inhibit bacterial growth, so your air conditioner produces healthy airflow.



### Energy efficiency

Self-cleaning helps your air conditioner continue to function at full cooling capacity, without consuming additional energy.



### Less manual maintenance

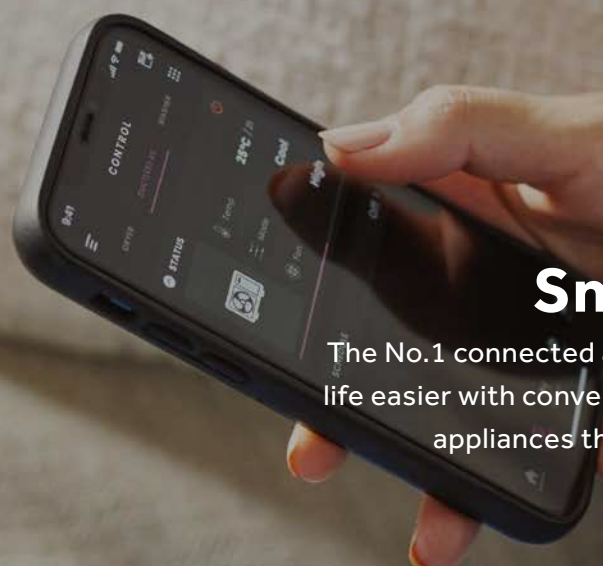
Self-cleaning helps to reduce the hassle and cost of manual cleaning by a service technician.

## TUV certification



\*The Verification on Cooling Expansion Rate & Defrosting Residual Rate of Air Conditioner with Self-Cleaning Technology is tested on model AS09FB8HRA by TUV Rheinland. The test report shows that the cooling expansion rate is 98.2% and defrosting residual rate is 0%.





## SmartHQ™

The No.1 connected air conditioner brand, Haier makes life easier with convenient control of your Wi-Fi enabled appliances through the SmartHQ™ app.



Your air conditioner is Wi-Fi enabled for convenient control using the SmartHQ™ app or smart speaker voice control

First, download the SmartHQ™ app from the App (iOS) or Play (Android) Store. Then follow the instructions in the app to set up your appliance and start controlling it.

## Benefits

### Intuitive control

Use your SmartHQ™ app to manage your air conditioner, so you can have your home at the perfect temperature when you arrive, or turn it off if you've forgotten. You can also use voice control with Google Home or Amazon Alexa – here are some of the things you could ask:



"Turn on/off the air conditioner."

"Is the air conditioner on/off?"

"Set the air conditioner to 20 degrees."

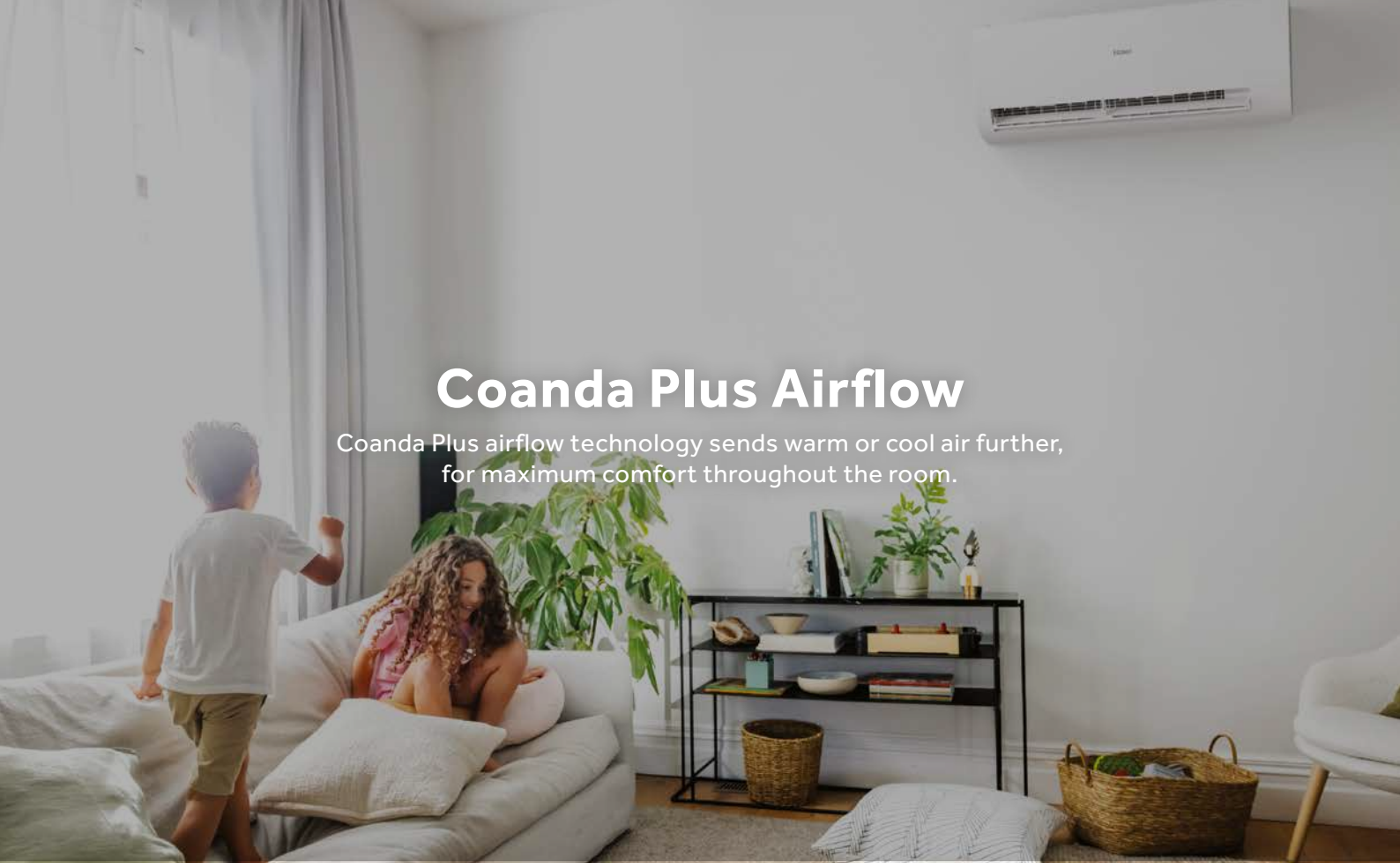
"What temperature is the air conditioner set to?"

"Set the air conditioner to heat/cool/smart mode."

"What mode is the air conditioner set to?"

"Set the air conditioner to low/medium/high/auto speed."

"What is the air conditioner speed?"



# Coanda Plus Airflow

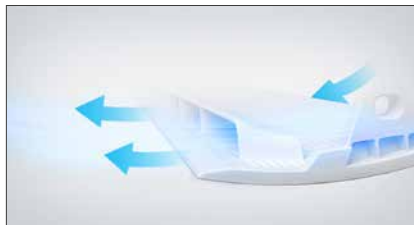
Coanda Plus airflow technology sends warm or cool air further, for maximum comfort throughout the room.

Coanda Plus airflow works in three ways to circulate air evenly throughout your space.



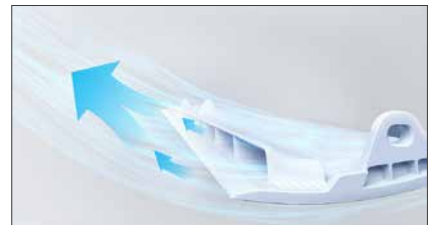
## Archimedean spiral

A dual-layer wind deflection structure creates the unique Archimedean spiral, which directs cool airflow to the ceiling before it disperses to the floor.



## Venturi effect

Airflow is released at high speed from the expansion duct, thanks to a dual layer design that is narrow inside and wide outside for optimal pressure.



## Supplemented airflow

The airflow below the air deflector is funnelled into the main airflow by negative pressure, making the flow even stronger.

## Benefits



### Ceiling cooling

When cooling mode is turned on, the cool air is directed at a 35° angle towards the ceiling so that users aren't exposed directly to the cold airflow. The cool air then diffuses from the ceiling to the floor for total comfort.

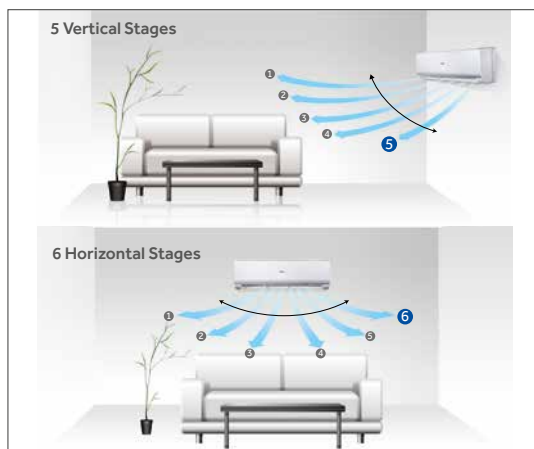


### Floor heating

When heating mode is turned on, the warm air is directed downwards to cover the floor. The warm air then circulates upwards, ensuring the temperature is balanced throughout your room.

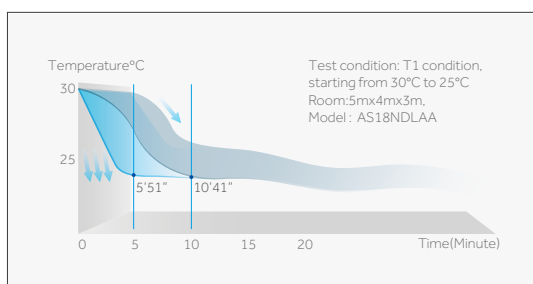
# Intelligent Airflow

## 3D Airflow



Enjoy an even temperature throughout the room. 3D Airflow directs air horizontally as well as vertically, for consistently spread heating and cooling.

## Turbo cooling



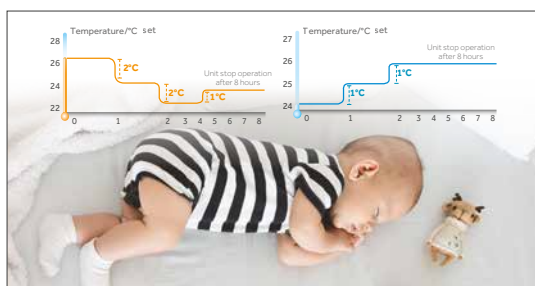
With the Turbo function the motor and fan work at a higher frequency, so you can enjoy a cool room within a much shorter time.



# Solutions for every space

## Comfortable sleep

Your air conditioner has a specially developed Sleep Mode, designed to support an ideal sleeping environment.



### Heating operation

The temperature is reduced by 2°C after one hour, and 2°C lower again after a second hour. After another two hours, the temperature increases by 1°C, then maintains for six hours before the unit turns off.

### Cooling operation

The temperature is set to increase by 1°C after one hour, and another 1°C after two hours. The temperature is then maintained for six hours before the unit turns off.

## Easy installation



Designed for easy installation, Quartz air conditioners come with simple positioning specifications. The control board and motor are also easily accessible for fast maintenance.

# Specifications

## Indoor Unit



### Models

AS25QCEHRA AS35QCEHRA  
AS50QDEHRA AS71QEEHRA  
AS60QEEHRA



### Models

AS90QFDHRA



## Outdoor Unit



### Models

1U25MAEFRA  
1U35MACFRA



### Models

1U50WAEFRA  
1U71WAEFRA  
1U60KAEFRA



### Models

1U90QADFRA



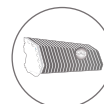
UVC Sterilisation



Coanda  
Plus Airflow



Self-Clean



Anti-Bacterial  
Silver Ion Coating



Voice Control



3D Airflow



Dry Function



Turbo Cooling



Whispering Air



Sleep Mode



DC Inverter



Savings EER



24 Hours Timer



Weekly Timer



DRED  
Available



Wireless  
Remote Controller



Easy Installation



Easy  
Maintenance



Auto Restart



Anti-Corrosion



# Quartz specifications

		Set	AS25QCEHRA-SET	AS35QCEHRA-SET	AS50QDEHRA-SET	AS60QEEHRA-SET	AS71QEEHRA-SET	AS90QFDHRA-SET
Model		Indoor	AS25QCEHRA	AS35QCEHRA	AS50QDEHRA	AS60QEEHRA	AS71QEEHRA	AS90QFDHRA
		Outdoor	1U25MAEFRA	1U35MAEFRA	1U50WAEFRA	1U60WAEFRA	1U71WAEFRA	1U90QADFRA
Capacity (Minimum~ Maximum)	Cooling	kW	2.5 (0.9~3.2)	3.5 (1.2~4.0)	5.0 (1.4~5.6)	6.0 (1.6~6.7)	7.1 (1.8~7.6)	9.0 (2.6~9.8)
	Heating (H1)	kW	3.2 (0.9~3.8)	3.7 (1.3~4.2)	6.0 (1.5~6.5)	7.0 (1.8~7.5)	8.0 (2.2~8.6)	9.5 (3.0~11.0)
	Heating (H2)	kW	2.9	3.1	4.6	6.2	6.65	7.3
Power input (Minimum~ Maximum)	Cooling	kW	0.52 (0.18~1.05)	0.83 (0.25~1.30)	1.24 (0.36~1.90)	1.49 (0.41~1.95)	2.02 (0.48~2.70)	2.65 (0.67~3.30)
	Heating	kW	0.70 (0.20~1.50)	0.86 (0.26~1.70)	1.48 (0.38~2.50)	1.73 (0.44~2.50)	2.28 (0.50~3.30)	2.66 (0.69~3.70)
EER/ AEER			4.81 / 4.73	4.22 / 4.17	4.03 / 4.00	4.03 / 4.01	3.51 / 3.49	3.40 / 3.37
COP / ACOP			4.57 / 4.52	4.30 / 4.26	4.05 / 4.02	4.05 / 4.13	3.51 / 3.49	3.57 / 3.54
Star Rating (Hot/Average/Cold)		Cooling	10.0 / 7.0 / 7.5	8.5 / 6.0 / 7.0	6.0 / 5.0 / 5.5	4.5 / 4.0 / 4.5	5.5 / 4.5 / 5.0	4.5 / 3.5 / 4.0
		Heating	3.0 / 3.0 / 2.5	3.5 / 3.0 / 2.0	3.5 / 2.5 / 2.0	3.0 / 2.5 / 2.0	3.0 / 2.5 / 2.0	2.5 / 2.0 / 1.5
TCSPF (Hot/Average/Cold)		Residential	12.196/8.799/9.388	10.253/7.910/8.612	7.934/6.834/7.373	6.369/5.849/6.136	7.036/6.138/6.646	6.078/5.394/5.746
HSPF (Hot/Average/Cold)		Residential	4.913/4.543/4.042	5.004/4.542/3.968	5.067/4.302/3.670	4.664/4.228/3.712	4.935/4.242/3.635	4.481/3.908/3.392
Electrical								
Rated Load Amps (RLA)	Cooling	Amp	2.3	3.7	5.5	6.5	8.8	11.8
	Heating	Amp	3.1	3.8	6.5	7.6	10.0	12.0
MCA Min circuit Amps		Amp	7.0	7.5	11	13	17.0	16.0
Suggested Breaker Size		Amp	10	10	16	16	20	20
Power cable connection location			Outdoor					
Power supply		Ph/V/Hz	1/220-240/50					
Refrigeration								
Refrigerant Type			R32					
Refrigerant Factory Charge		kg	1.00	1.02	1.02	1.30	1.42	1.55
Pipe Size	Liquid Line	mm (Inch)	6.35 (¼)	6.35 (¼)	6.35 (¼)	6.35 (¼)	6.35 (¼)	6.35 (¼)
	Suction Line	mm (Inch)	9.52 (¾)	9.52 (¾)	12.70 (½)	12.70 (½)	12.70 (½)	15.88 (¾)
Pipe Length (Min~Max)			3~15	3~15	3~25	3~25	3~25	3~25
Maximum Height Difference		m	10	10	15	15	15	15
Precharged up to a Length		m	7	7	10	10	10	10
Additional Refrigerant		grams/ meter	20	20	20	20	20	20
Indoor Unit								
External dimension	W/D/H	mm	875x217x307	875x217x307	970x220x320	1106x240x345	1106x240x345	1316x275x365
Net weight		kg	10.0	10.0	11.6	15.5	15.5	21.5
Air Flow T/H/M/L	Cooling	L/S	240/195/145/105	260/210/165/115	310/265/215/170	345/295/252/210	365/310/270/225	380/330/285/230
Sound Pressure Level	SPL	dBA	40/36/32/21	40/36/32/22	47/43/37/33	48/44/38/33	48/44/38/33	48/42/36/30
Remote			YR-HJ					
Outdoor Unit								
External dimension	W/D/H	mm	800x275x553	800x275x553	890x340x705	816x306x642	890x340x705	950x370x815
Net weight		kg	30	30	43.2	37.5	44	51
Compressor Type			Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Sound Pressure Level	SPL	dBA	51	52	53	54	54	56
Sound Power Level (SWL)	SWL	dBA	61	63	66	67	68	69
Operating Temperature Range								
Outdoor (Min ~ Max)		Cooling	-10°C ~ 46°C					
Outdoor (Min ~ Max)		Heating	-15°C ~ 24°C					

## Notes:

ZERL Zoned Energy Rating Label - residential air conditioning star rating based on GEMS 2019 Determination.

Rated Load Amps (RLA) is based on nominal conditions. Use Minimum Circuit Amps (MCA) for power supply infrastructure sizing, etc.

Test conditions are based on AS/NZS3823.1.1.

# Haier Brand Story

## World's largest home appliance manufacturer



Haier has been ranked the number one major appliance brand for 13 consecutive years\*



Founded in 1984, 2022 marked our 38th year



Over 80,000 employees across 30 countries




GE APPLIANCES

Parent company of GE Appliances



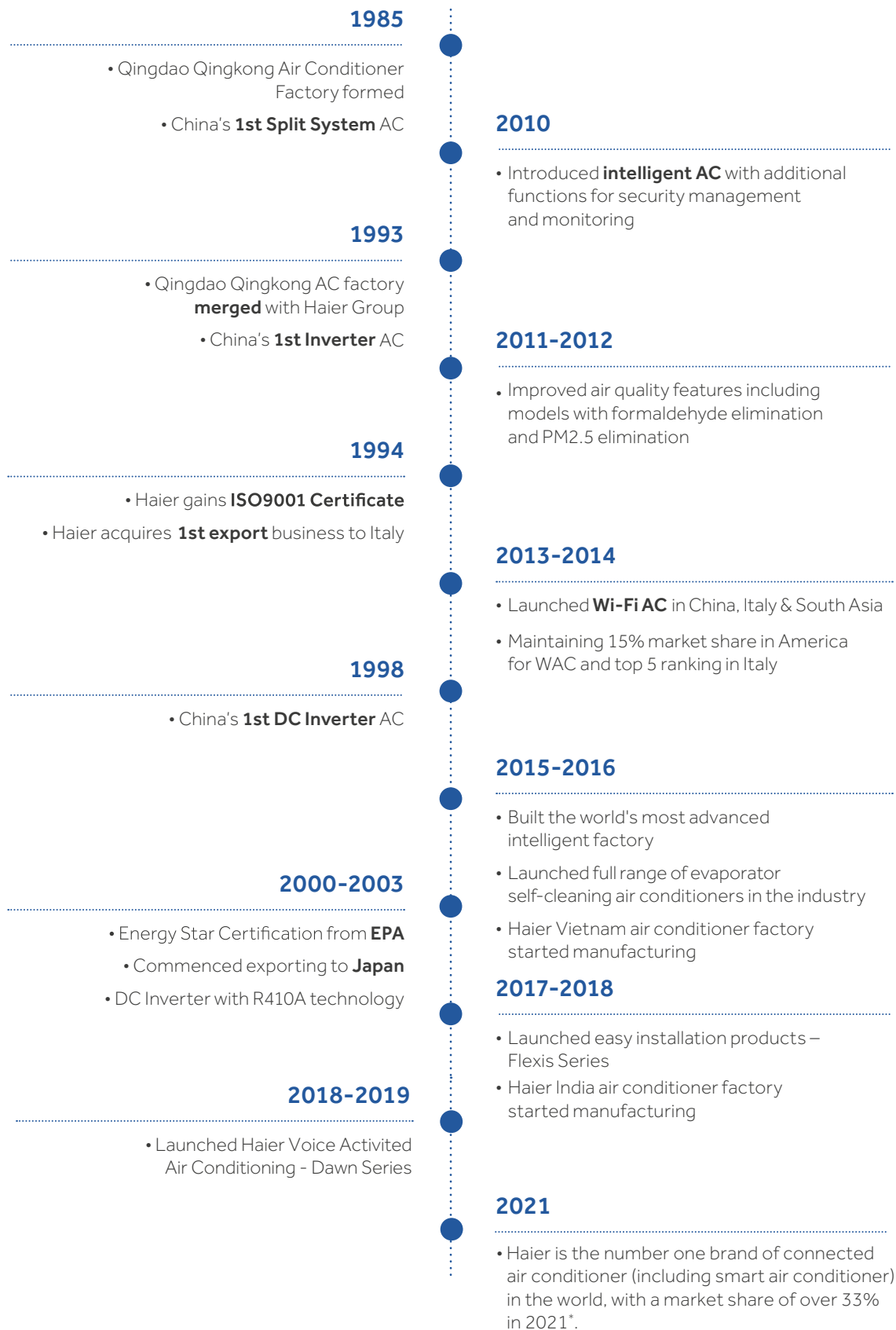
Distributed by Fisher & Paykel, a wholly owned Haier subsidiary

\*Source Euromonitor International Limited; Consumer Appliance 2022ed, % unit share, 2009-2021 volume sales data. Major Appliances category is the sum of dishwashers, home laundry appliances, large cooking appliances, microwaves and refrigeration appliances.



# Haier

# The evolution of Haier Air Conditioning



\*Haier is the number one brand of connected air conditioner (including smart air conditioner) in the world, with a market share of over 33% in terms of volume sales in 2021. Data source: Euromonitor International Ltd., measured in terms of retail volume sales in 2021, based on research conducted in February 2022. Connected air conditioner is defined as air conditioners with connectivity capability to communicate with other appliances and/or other devices and/or consumers.





## Customer Care

The fastest growing localised AC service team in the country

Visit the website for technical data

Australia: [haier.com.au/air-conditioning](https://haier.com.au/air-conditioning)

New Zealand: [haier.co.nz/air-conditioning](https://haier.co.nz/air-conditioning)

24/7 customer support and service booking

Australia: **1300 729 948**

New Zealand: **0800 424 372**

**Haier**

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Manufacturer's warranty information: You receive a 5 year Manufacturer's Warranty with all Haier High-Wall Split System. Fisher & Paykel Appliances Ltd will repair (or at its option replace) any part which is found to be defective within five years from date of purchase, without cost to you for either parts or labour.

Retention of your original proof of purchase is recommended. To make a claim under any Manufacturer's Warranty, call Customer Care. Service under any Manufacturer's Warranty must be provided by an authorised Fisher & Paykel Appliances Service provider. Use other than in accordance with the product's user guide and other than for normal domestic use may invalidate any Manufacturer's Warranty. This Manufacturer's Warranty is an extra benefit and does not affect your legal rights. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. To view full terms and conditions, visit [www.haier.com.au/warranty](https://www.haier.com.au/warranty) or [www.haier.co.nz/warranty](https://www.haier.co.nz/warranty).

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