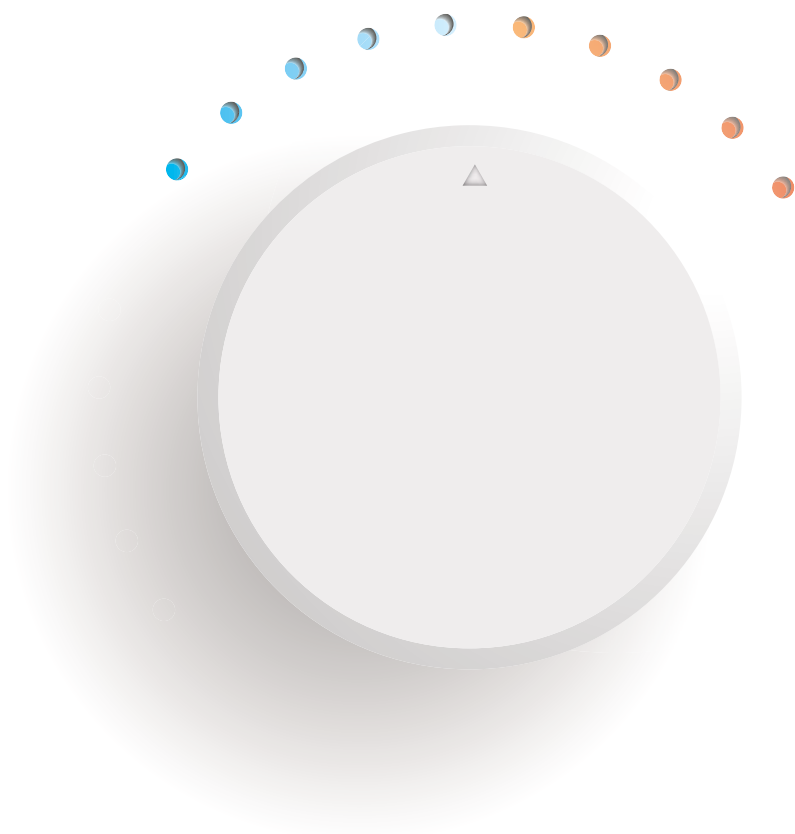


# Flexis

Hi-Wall Split Systems



Haier

Product Brochure 2022

# Comfort

## Innovative in design, Haier's hi-wall split systems operate quietly with optimal airflow for comfort



### Intelligent air

#### Ceiling cooling

When the cooling mode is turned on, cool airflow is directed towards the ceiling so users can avoid direct exposure to the cold airflow. The cool air is dispersed from the ceiling to floor of your room quickly and comfortably.



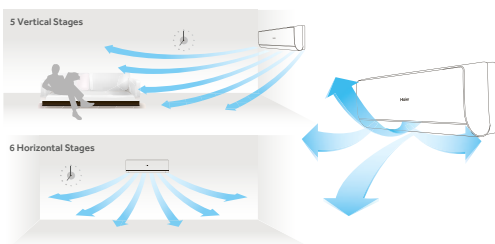
#### Floor heating

When the heating mode is turned on, warm airflow is directed downwards to cover the floor. The warm air then circulates upwards to the whole space, ensuring the temperature is balanced in every corner of your room.



### Even airflow

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

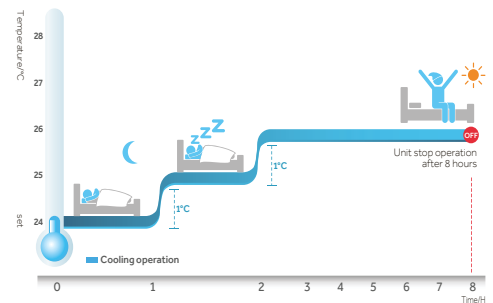


### Sleep mode

Sleep mode supports your ideal sleeping environment, raising, lowering or maintaining the temperature throughout the night to ensure maximum comfort.

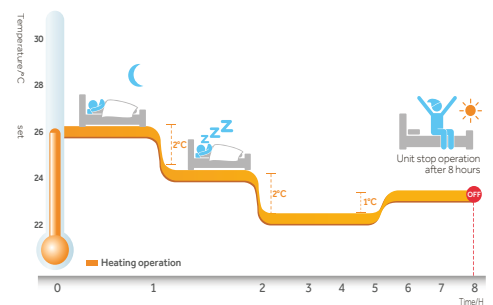
#### Cooling

When using Sleep mode to cool, the temperature rises 1°C per hour for two hours, then maintains the final temperature for six hours, then deactivates.



#### Heating

When using Sleep mode to heat, the temperature drops 2°C per hour for two hours, maintains that temperature for three hours and increases by 1°C for the remaining three hours, then deactivates.





# Health

## With patented Cold Expansion Technology, Haier's hi-wall split systems are self-cleaning

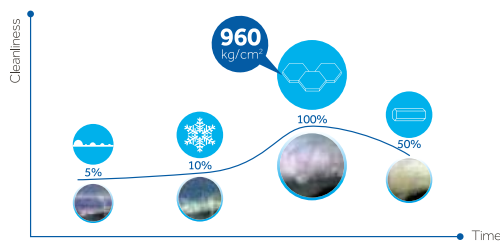
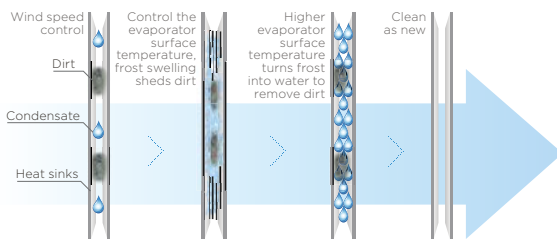


### Healthier air

Your Flexis air conditioner will continue working efficiently to produce clean air, with a Self Clean function that stops dirt from accumulating and reduces the growth of mould and bacteria.

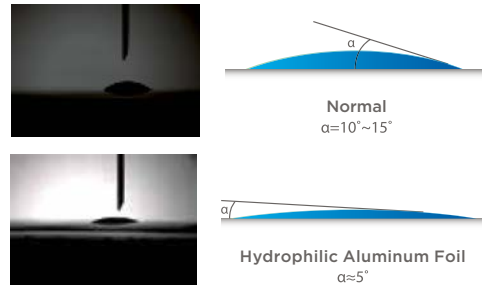
### Cold Expansion Technology

Haier's Self Clean function utilises patented Cold Expansion Technology for fast and effective cleaning. By freezing the evaporator, the expansion force of the ice water helps to remove dirt and harmful particles. This process is optimised through air circulation and evaporation temperature control.



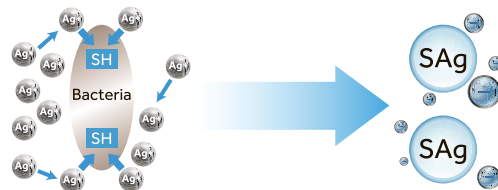
### Hydrophilic aluminum foil

The evaporator's hydrophilic aluminium coating increases water drainage efficiency for fast and thorough self-cleaning.



### Nano silver ion coating

A nano silver ion coating helps to kill bacteria and viruses, inhibiting bacterial growth on the surface of the heat exchanger.



### Benefits

- Self-cleaning helps your air conditioner put out healthier air for users.
- By removing particles from the evaporator, self-cleaning also helps your air conditioner to operate more effectively, using less energy and requiring less maintenance.





# Smart control



## Control from anywhere

Your Flexis air conditioner is Wi-Fi-enabled to help you control your daily routine with ease through the SmartHQ™ app or with smart speaker voice control.



### The SmartHQ™ app

Use the SmartHQ™ to control your air conditioner when you're at home, or on your way there, to ensure a perfect environment.

### Voice control with smart home speakers

Google Assistant and Amazon Alexa allow you to control your air conditioner easily around the home. First, you'll need to download the SmartHQ™ from the Apple App Store or Google Play. Then, follow the instructions in the app to set up your appliance and start controlling it.



## Intuitive hands-free control

You can also use Google Assistant or Amazon Alexa to control your air conditioner. 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 celsius.
- 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?

# Performance

With Haier's A-PAM DC Inverter technology, the desired temperature is reached quickly and efficiently



### Eco Sensor

Haier's Flexis air conditioners feature an Eco Sensor\* that detects movement to enable energy efficient and comfortable airflow.

\*Not available on AS82FFAHRA model



### High efficiency

The air conditioner's high efficiency, low-watt compressor and optimised condensing system mean power input is kept to a minimum.



### Energy saving mode

When the Eco Sensor detects that no one is in the room, the air conditioner will switch to energy saving mode after 20 minutes, automatically adjusting the set temperature for energy efficiency.



### Low voltage

Part of Haier's low voltage series, Flexis air conditioners have a compressor that is optimised with maximum torque to run at voltages as low as 175V.

### Technology

- The Eco Sensor has a double motion sensor, achieving a maximum detection angle of 120° and up to eight metres.
- The Eco Sensor will detect where users are for comfortable airflow, avoiding direct cold airflow when cooling, and angling warm air towards the user when heating.



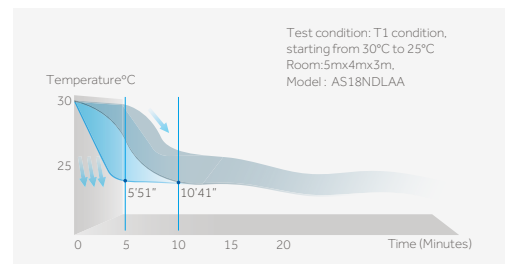
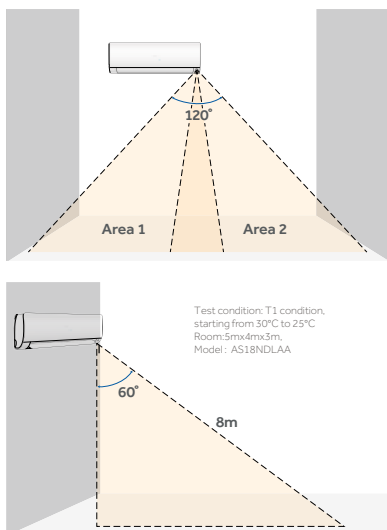
### Quality components

Haier's hi-wall split systems use high-quality and durable components for efficient energy use, low noise and reliable operation.



### Turbo mode

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



# R32 refrigerant



## What is R32?

The chemical name is Difluoromethane. Formula  $\text{CH}_2\text{F}_2$ . It has already been used for many years as a compound of the refrigerant blend R410A (R410A is a blend of 50% R32 and 50% R125). Haier and other industry players recognise today that there are several advantages of using R32 in its pure form instead of R410A and other types of blends.

In terms of safety, R32 is slightly flammable refrigerant classed as an A2L.

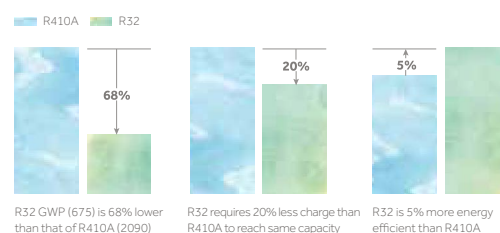
AS/NZS5149.1	R32	R410A	R22	R290
Composition	HFC-32	HFC-32/ HFC125 (50%/50%)	HCFC-22	C3H8
GWP (Global warming potential)	675	2090	1810	3.3
ODP (Ozone depletion potential)	0	0	0.05	0
Flammability class	A2L (slightly)	A1 (non)	A1 (non)	A3 (highly)

## Advantages of R32

R32 has a number of environmental benefits compared with R410A. R32 is a commonly used refrigerant with a global warming potential of 675. This is less than one third the GWP of R410A refrigerant (2090). R32 provides high energy efficiency from a smaller refrigerant volume.

As a single component refrigerant, R32 is also easier to recycle and re-use which is another environmental bonus. In addition, R32 is easy to handle for installers and service technicians because it can be charged in both gas and liquid phase. Plus, the working pressure is similar to R410A, and there are no glide problems that occur with blended refrigerants.

### R32 and R410A at a glance



# Specifications



**Models**

AS26FBBHRA  
AS35FBBHRA  
AS53FEBHRA  
AS71FEBHRA



**Models**

AS82FFAHRA



**Models**

Indoor	Outdoor
AS26FBBHRA	1U26JACFRA
AS35FBBHRA	1U35JACFRA
AS53FEBHRA	1U53RABFRA
AS71FEBHRA	1U71SABFRA
AS82FFAHRA	1U82SAAFRA

**Warranty\***

5yr

# Easy installation



\*Excludes AS82FFAHRA



# F series (Flexis) specifications

Model	Set		AS26FBBHRA-SET	AS35FBBHRA-SET	AS53FEBHRA-SET	AS71FEBHRA-SET	AS82FFAHRA-SET
	Indoor		AS26FBBHRA	AS35FBBHRA	AS53FEBHRA	AS71FEBHRA	AS82FFAHRA
	Outdoor		1U26JACFRA	1U35JACFRA	1U53RABFRA	1U71SABFRA	1U82SAAFRA
Capacity (kW)	Cooling (min-max)		2.55 (1.5-3.2)	3.4 (1.3-4.0)	5.1 (1.5-6.7)	7.1 (1.9-8.4)	8.2 (2.4-9.0)
	Heating (min-max)		3.3 (1.6-3.8)	3.8 (1.6-4.3)	5.7 (1.6-7.7)	7.6 (2.0-10.2)	9.0 (2.7-11.0)
Power input (kW)	Cooling (min-max)		0.50 (0.28-1.10)	0.78 (0.29-1.30)	1.16 (0.36-2.10)	1.71 (0.54-2.60)	2.27 (0.65-3.10)
	Heating (min-max)		0.66 (0.40-1.40)	0.81 (0.40-1.50)	1.26 (0.40-2.50)	1.89 (0.64-2.90)	2.50 (0.67-3.85)
EER/ AEER			5.10 / 5.03	4.36 / 4.32	4.40 / 4.37	4.15 / 4.13	3.61 / 3.60
COP / ACOP			5.00 / 4.95	4.69 / 4.66	4.52 / 4.50	4.02 / 4.00	3.60 / 3.59
Star Rating Cooling (hot/average/cold climate)			5.0 / 4.5 / 4.5	4.0 / 4.0 / 4.0	4.0 / 4.0 / 4.0	3.5 / 3.0 / 3.5	3.0 / 2.5 / 2.5
Star Rating Heating (hot/average/cold climate)			4.0 / 3.0 / 2.0	3.0 / 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 climate)	Residential		6.573 / 6.055 / 6.113	5.979 / 5.574 / 5.793	5.858 / 5.508 / 5.713	5.292 / 4.991 / 5.144	4.563 / 4.344 / 4.488
	Commercial		7.023 / 7.289 / 7.722	6.410 / 6.542 / 6.996	6.250 / 6.362 / 6.788	5.617 / 5.678 / 6.032	4.829 / 4.886 / 5.191
HSPF (hot/average/cold climate)	Residential		5.682 / 4.585 / 3.881	4.764 / 4.063 / 3.528	4.652 / 4.052 / 3.552	4.534 / 4.103 / 3.627	4.113 / 3.574 / 3.138
	Commercial		5.760 / 5.101 / 4.423	4.792 / 4.371 / 3.887	4.669 / 4.311 / 3.864	4.534 / 4.272 / 3.867	4.127 / 3.804 / 3.420
<b>Electrical</b>							
Rated Load Amps	Cooling	Amp	2.35	3.57	5.20	7.51	10.10
	Heating	Amp	3.00	3.58	5.53	8.24	11.10
Min circuit Amps		Amp	6.1	6.8	11.0	12.6	18.0
Breaker Size		Amp	10	10	16	20	25
Power cable connection location			Outdoor				
Power supply		Ph/V/Hz	1/220-240/50				
<b>Refrigeration</b>							
Refrigerant Type			R32				
Refrigerant Factory Charge		kg	1.10	1.20	1.30	1.45	1.50
Pipe Size	Liquid Line	mm (Inch)	6.35mm (1/4")	6.35mm (1/4")	6.35mm (1/4")	6.35mm (1/4")	6.35mm (1/4")
	Suction Line	mm (Inch)	9.52mm (3/8")	9.52mm (3/8")	12.7mm (1/2")	12.7mm (1/2")	15.88mm (5/8")
Max Pipe length		m	15	15	25	25	25
Maximum Height Difference		m	10	10	15	15	15
Precharged up to a Length		m	10	10	10	10	10
Additional Refrigerant		grams/meter	20				50
<b>Indoor Unit</b>							
Net dimension		WxDxH mm	870 x 196 x 301	870 x 196 x 301	1115 x 230 x 337	1115 x 230 x 337	1342 x 275 x 365
Package dimension		WxDxH mm	952 x 389 x 283	952 x 389 x 283	1187 x 301 x 417	1187 x 301 x 417	1418 x 402 x 478
Net weight		kg	10.1	10.1	13.0	13.0	21.0
Gross weight		kg	12.5	12.5	15.5	15.5	25.0
Air Circulation H/M/L	Cooling	L/S	170/140/110	170/140/110	290/250/210	310/265/220	360/330/300
	Heating	L/S	180/145/110	180/145/110	240/215/190	265/230/195	380/350/320
Sound Pressure Level		SPL dB (A)	39/33/28/21	40/38/29/22	45/42/36/33	49/45/39/33	48/44/40/36
Remote			YR-HQ				
<b>Outdoor Unit</b>							
Net dimension		WxDxH mm	820 x 338 x 614	820 x 338 x 614	890 x 353 x 697	920 x 385 x 762	920 x 385 x 762
Package dimension		WxDxH mm	993 x 413 x 685	993 x 413 x 685	1046 x 460 x 780	1085 x 487 x 843	1085 x 487 x 843
Net weight		kg	38.2	39.4	48.7	54.0	57.5
Gross weight		kg	45.0	45.0	54.6	60.0	66.0
Compressor Type			Rotary	Rotary	Rotary	Rotary	Rotary
Sound Pressure Level		dB (A)	54/55	54/55	55/58	55/58	55/57
Sound Power Level		dB (A)	65	65	63	68	72
<b>Operating Temperature Range</b>							
Outdoor (min-max)		Cooling	-10°C to 46°C				
Outdoor (min-max)		Heating	-15°C to 24°C				

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

**Who is Haier?** World's largest home appliance manufacturer

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Haier is the number one brand globally in major appliances in 2021\*



Founded in 1984, 2022 marks our 38th year



GE APPLIANCES

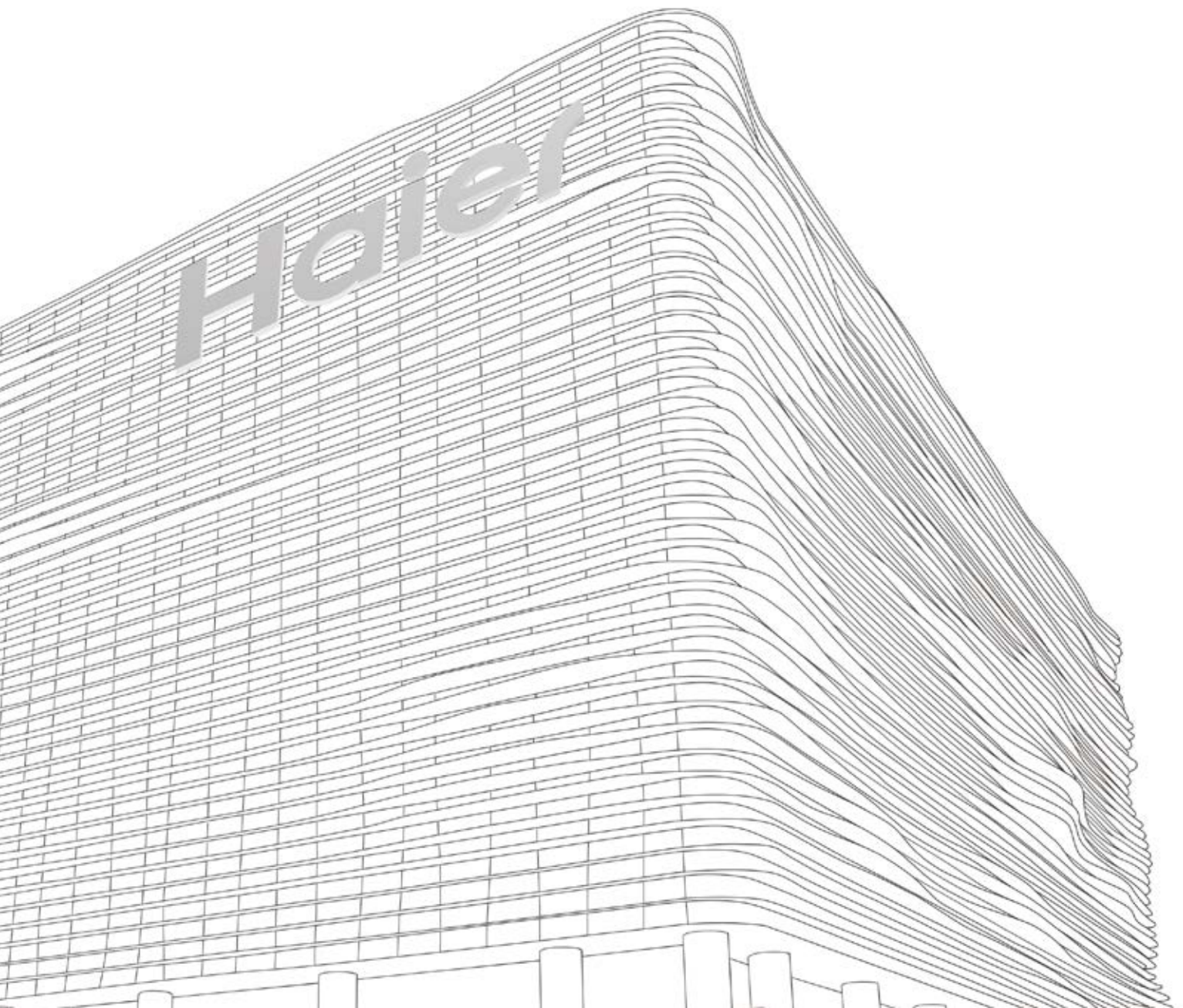
Parent company of GE Appliances



Distributed by Fisher & Paykel, a wholly owned Haier subsidiary

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



# The evolution of Haier Air Conditioning



## 1985

- Qingdao Qingkong Air Conditioner Factory formed
- China's **first Split System AC**

## 1993

- Qingdao Qingkong AC Factory **merged** with Haier Group
- China's **first Inverter AC**

## 1994

- Haier gains **ISO9001 Certificate**
- Haier acquires **first export** business to Italy

## 1998

- China's **first DC Inverter AC**

## 2000-2003

- Energy Star Certification from **EPA**
- Commenced exporting to **Japan**
- DC Inverter with R410A technology

## 2010

- Introduced **intelligent AC**

## 2011-2012

- Improved air quality features including models with formaldehyde elimination and PM2.5 elimination

## 2013-2014

- Launched **Wi-Fi AC** in China, Italy & South Asia
- Maintaining 15% market share in America for WAC and top 5 ranking in Italy

## 2015-2016

- Built the world's most advanced intelligent factory
- Launched full range of evaporator self-cleaning air conditioners in the industry
- Haier Vietnam air conditioner factory started manufacturing

## 2017-2018

- Launched easy installation products – Flexis Series
- Haier India air conditioner factory started manufacturing

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



## Customer Care

The fastest growing localised AC service team in the country

Visit the website for technical data

**Australia: [haier.com.au](http://haier.com.au)**

**New Zealand: [haier.co.nz](http://haier.co.nz)**

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 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 a replacement or repaired 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](http://www.haier.com.au/warranty) or [www.haier.co.nz/warranty](http://www.haier.co.nz/warranty).

**The warrantor is:**

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