



Product Brochure



# Flexis

## Hi-Wall Split Systems

**Haier**  
Air Conditioning

# Comfort

## The innovative design of Haier's High-Wall Split System allows super quiet operation and increased airflow for maximum comfort



### What is R32?

The chemical name is Difluoromethane. Formula  $CH_2F_2$ . 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.

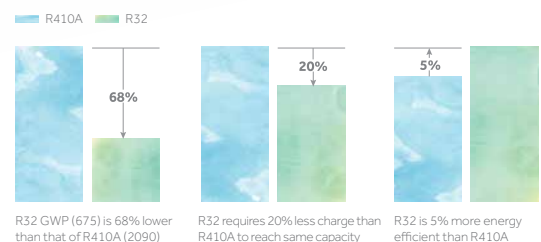
AS/NZS5149.1	R32	R410A	R22	R290
Composition	HFC-32	HFC-32/ HFC125 (50%/50%)	HCFC-22	C3H8
GWP (Global warming potential)	675	2090	1810	3.3
ODP (Ozone depletion potential)	0	0	0.05	0
Flammability class	A2L (slightly)	A1 (non)	A1 (non)	A3 (highly)

### 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



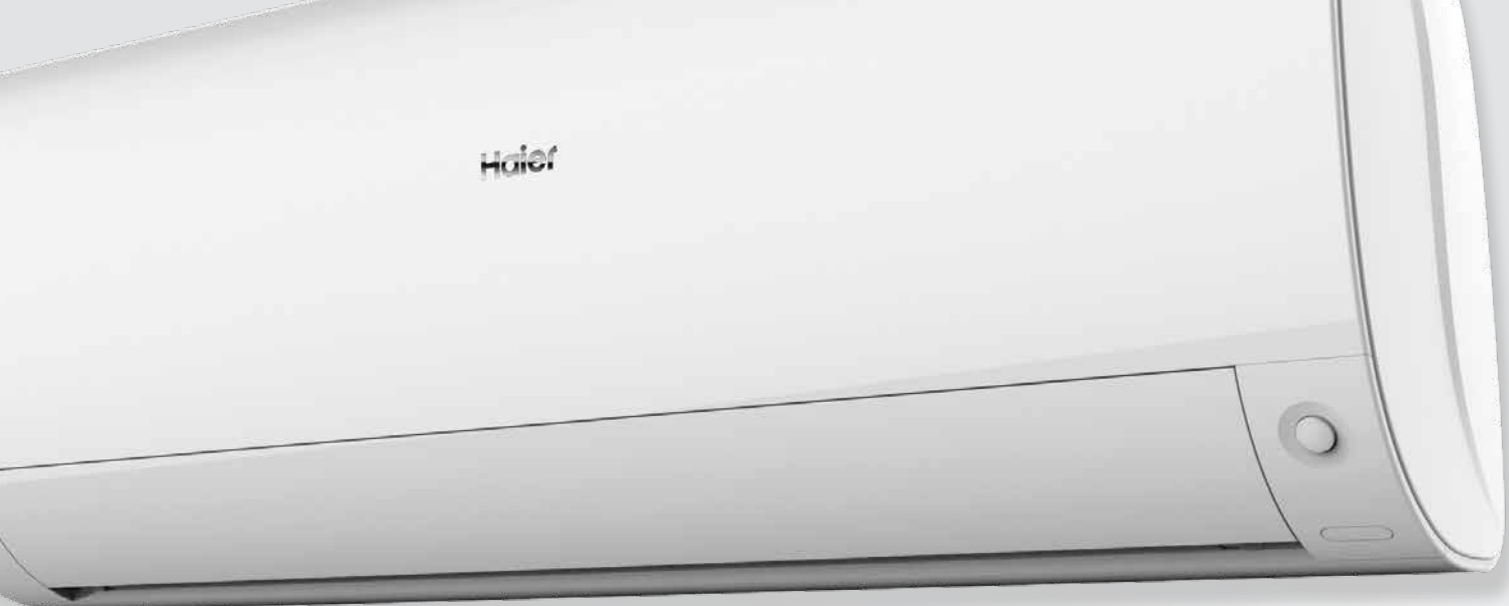
### Intelligent Air

The airflow is directed upwards in cooling mode.



The airflow is directed downwards in heating mode.



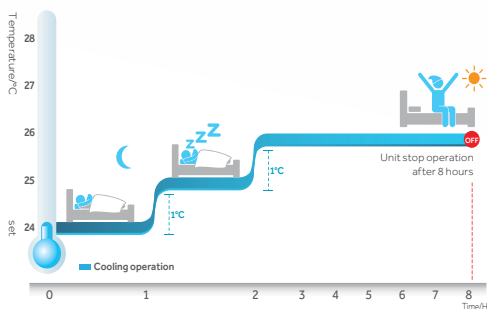


### Sleep Mode

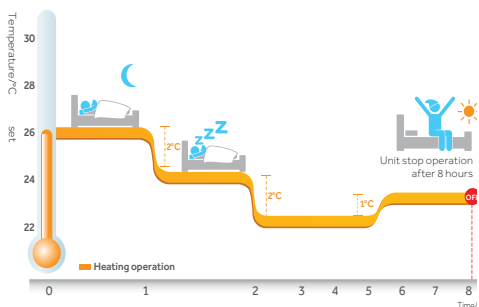
Haier High-Wall Split Systems have a specially developed Sleep Mode, providing the ideal environment to ensure maximum comfort and energy saving during your night's sleep.



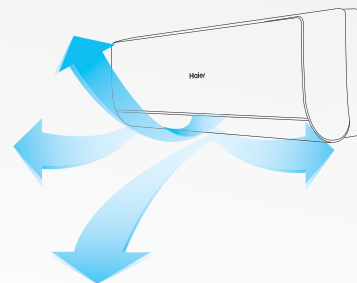
When using Sleep Mode to cool, the temperature rises 1°C per hour for two hours, then maintains the final temperature for six hours, then deactivates.



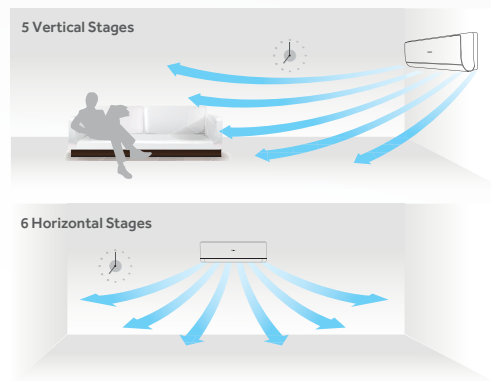
When using Sleep Mode to heat, the temperature drops 2°C per hour for two hours, maintains that temperature for three hours and increasing by 1°C for the remaining three hours, then deactivates.



### 3D Airflow



Five vertical stages and six horizontal stages.



# Haier's new High-Wall Split System patented Self-Clean Cold Expansion Technology

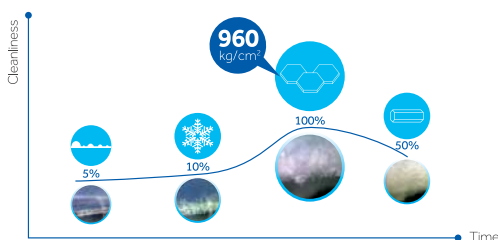
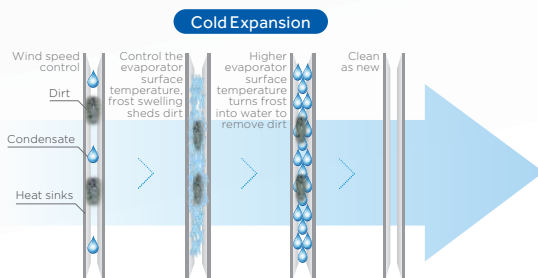


## Healthy air / Self-Clean

Dust accumulates at the evaporator when air conditioners are running. Our patented self-cleaning technology freezes the evaporator and utilises the expansion force of the ice water condensation to remove dirt and harmful particles.

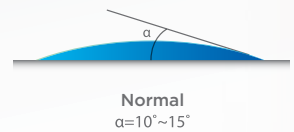
## Cold expansion technology

Haier's Cold Expansion Technology increases the condensing water volume and optimises the evaporating temperature through capacity and fan speed control.



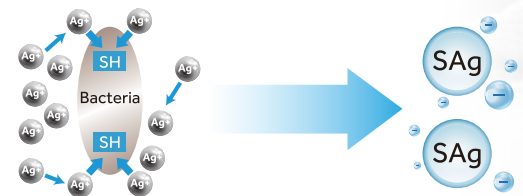
## Hydrophilic aluminum foil

By controlling and maintaining the most suitable evaporation temperature and circulating air volume, the condensation water on the evaporator increases by 30%. New hydrophilic aluminum foil increases water flow speed by 20% and thoroughly cleans the dirt away.



## Nano silver ion coating

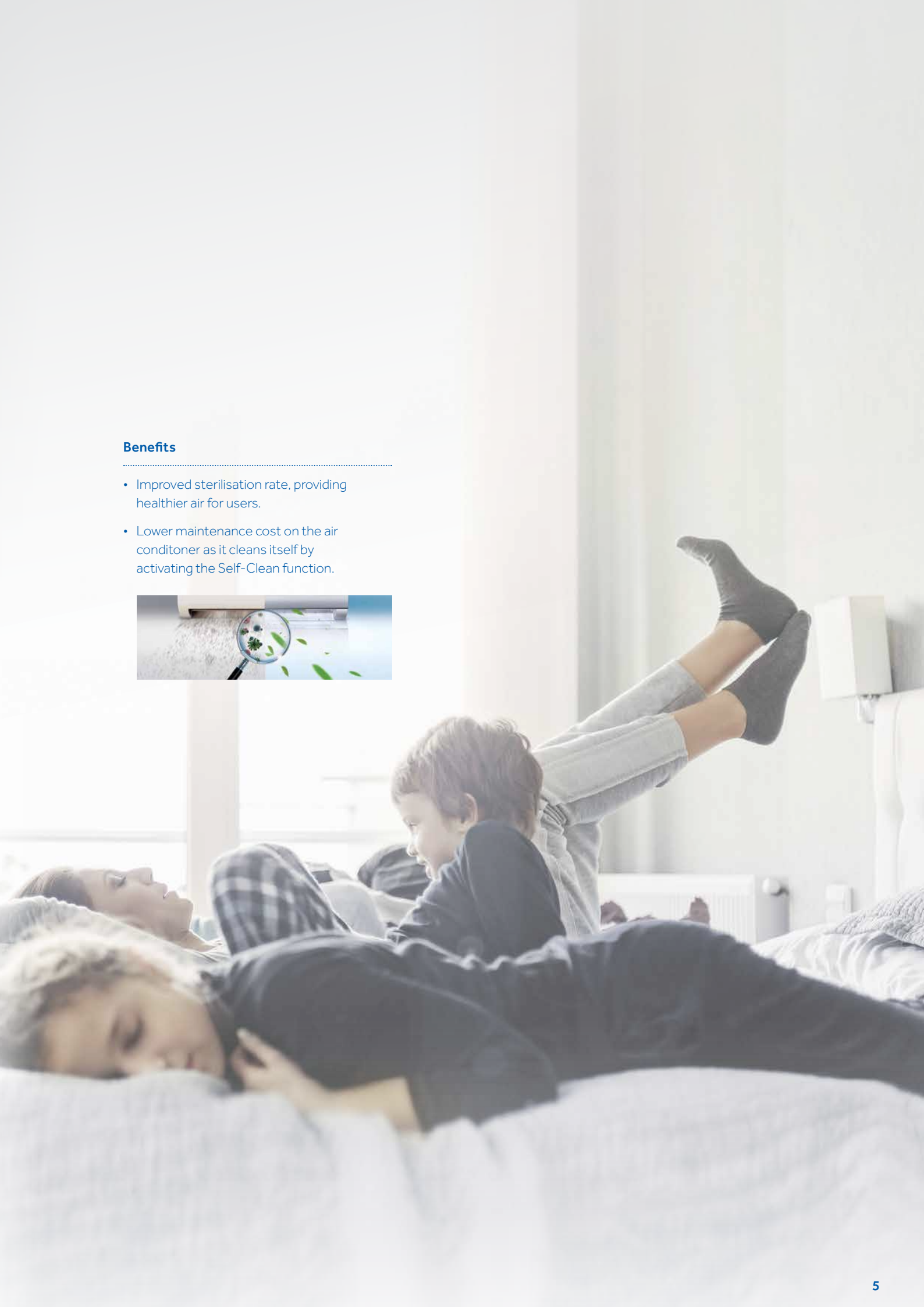
Nano silver ion anti-virus material on the surface of aluminum can kill bacteria and viruses, inhibiting the bacterial growth on the surface of heat exchanger.



## Benefits

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- Improved sterilisation rate, providing healthier air for users.
- Lower maintenance cost on the air conditioner as it cleans itself by activating the Self-Clean function.



## Performance

With Haier's A-PAM DC Inverter technology, the desired temperature is reached quickly and efficiently before stabilising for ultimate comfort



### ECO Sensor

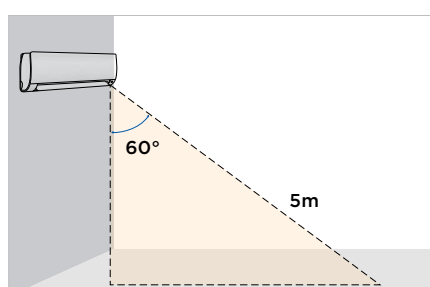
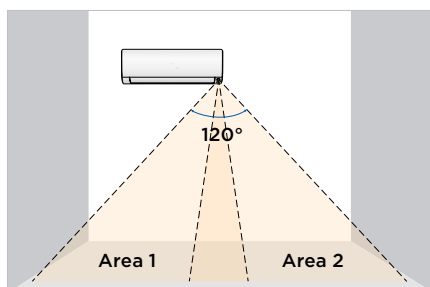
Eco Sensor achieves high efficiency and ensures a comfortable experience (excluding AS82FFAHRA).

#### Technology

- With two integration modules, realises the ECO Sensor double area detection to improve your experience.



- The ECO Sensor has a maximum detection angle of 120° and a maximum detection distance of five metres. This enables the ECO Sensor to monitor room conditions in real time and adjust to increase comfort.



### ECO Mode

The ECO Sensor automatically identifies when people are in the room so that it achieves high energy efficiency. When there is no one in the room, the air conditioner will switch into ECO Energy Saving Mode after 20 minutes, automatically adjusting the setting temperature.



### Low Watts

High efficiency, low watt compressors and an optimised condensing system mean the power input of low watt models is reduced to 40% that of standard models. This is even lower the power input of an electric oven.



### Low Voltage

The Haier low voltage series feature a compressor optimised with maximum torque that will keep running even with voltage as low as 175V.

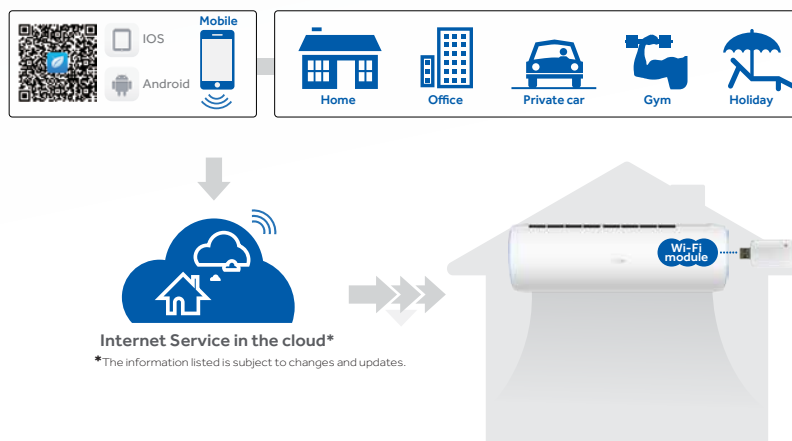
High quality components

# Haier's High-Wall Split System uses high-quality and durable components that offer efficient energy usage, generate lower noise and ensure reliable operation



## Smart WiFi control from anywhere

The Haier Flexis air conditioner is designed with WiFi components built in.



## Easy use

The latest version of our app, Haier Smart Air2, has been updated for a better user experience. New functions include:

	<b>Weekly Timer</b> User can pre-set the air conditioner for one week, setting operating mode, temperature and fan speed.		<b>Sleep Curve</b> Four typical sleeping curves are designed for children, seniors, adult women and men. End users can adjust the sleeping curve by themselves.
	<b>Error Alarm</b> Error code will be shown in the app, making technical issues easier to solve.		<b>Filter Status Detection</b> Regular reminders for filter cleaning to maintain air quality, increase cleaning efficiency or air circulation, and energy saving.
	<b>Group Control</b> End users can control multiple AC units together.		<b>Convenient Control</b> End users can control the air conditioners from anywhere through WiFi or 3G /4G network.



# Specifications



**Models**

- AS26FBBHRA
- AS35FBBHRA
- AS53FEBHRA
- AS71FEBHRA



**Models**

- AS82FFAHRA



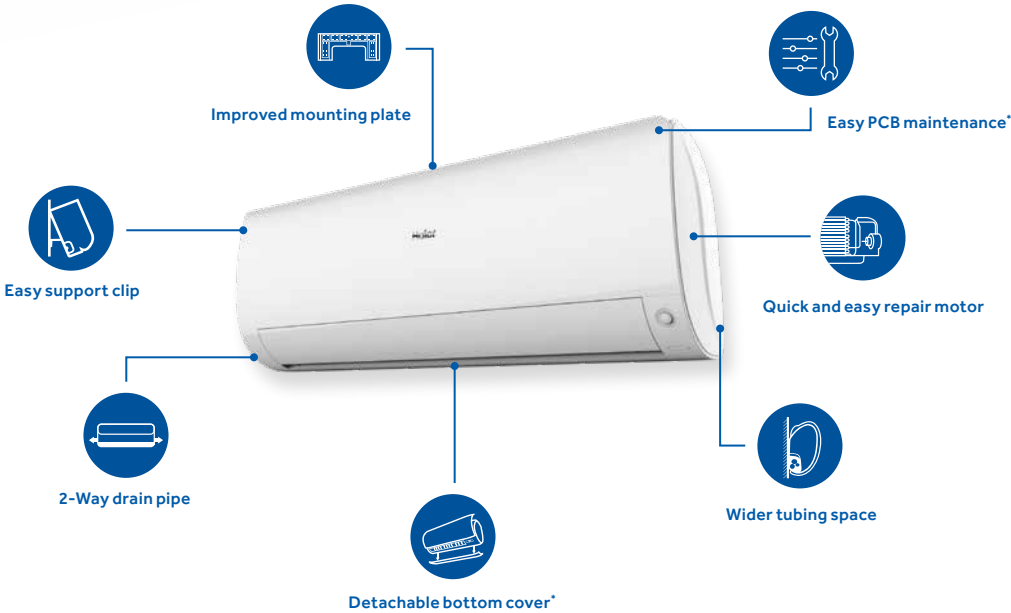
**Models**

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

**Warranty\***

5yr

# Easy installation



\* Excludes AS82FFAHRA



# F series (Flexis) specifications

	Indoor	AS26FBBHRA	AS35FBBHRA	AS53FEBHRA	AS71FEBHRA	AS82FFAHRA
	Outdoor	1U26JACFRA	1U35JACFRA	1U53RABFRA	1U71SABFRA	1U82SAAFRA
Capacity (kW)	Cooling	2.65 (1.5 - 3.2)	3.4 (1.3 - 4)	5.1 (1.5 - 6.7)	7.1 (1.9 - 8.4)	8.2 (2.4 - 9.0)
	Heating	3.3 (1.6 - 3.8)	3.8 (1.6 - 4.3)	5.7 (1.6 - 7.7)	7.6 (2 - 10.2)	9.0 (2.7 - 11.0)
Power input (kW)	Cooling	0.5 (0.28 - 1.1)	0.78 (0.29 - 1.3)	1.16 (0.36 - 2.1)	1.71 (0.54 - 2.6)	2.27 (0.65 - 2.9)
	Heating	0.65 (0.4 - 1.4)	0.79 (0.4 - 1.4)	1.26 (0.4 - 2.5)	1.89 (0.64 - 2.9)	2.5 (0.67 - 3.6)
EER		5.30	4.36	4.40	4.15	3.61
COP		5.08	4.81	4.52	4.02	3.60
Star Rating	Cooling	6.0	4.0	4.0	3.5	3.0
	Heating	5.5	5.0	4.5	3.5	3.0
<b>Electrical</b>						
Running current (A)	Cooling	2.33	3.57	5.20	7.51	10.10
	Heating	3.00	3.58	5.53	8.24	11.10
Max Running current (A)	Cooling	4.9	5.7	9.4	11.4	15.0
	Heating	6.1	6.1	11.0	12.6	18.0
Power cable connection location		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power supply (Ph/V/Hz)		1/230/50	1/230/50	1/230/50	1/230/50	1/230/50
<b>Refrigeration</b>						
Refrigerant Type		R32	R32	R32	R32	R32
Pipe Size	Liquid/Suct	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7	6.35 / 15.88
Refrigerant Charge (kg)		1.10	1.20	1.30	1.45	1.50
Pipe length (Min ~ Max)		1.5 - 15	1.5 - 15	1.5 - 25	1.5 - 25	1.5 - 25
Maximum Height Difference (m)		10	10	15	15	15
Pre-charged Length (m)		10	10	10	10	10
Additional Refrigerant (grams/m)		20	20	20	20	20
<b>INDOOR UNIT</b>						
Model		AS26FBBHRA	AS35FBBHRA	AS53FEBHRA	AS71FEBHRA	AS82FFAHRA
Net dimension (mm)	W/D/H	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
Net weight (kg)		10.1	10.1	13.0	13.0	21.0
Air Circulation H/M/L (L/s)	Cooling	170/140/110	170/140/110	290/250/210	310/265/220	360/330/300
	Heating	180/145/110	180/145/110	240/215/190	265/230/195	380/350/320
Sound Pressure Level (dBA)	H/M/L/S	39/33/28/21	40/38/29/22	45/42/36/33	49/45/39/33	48/44/40/36
Remote		YR-HQ	YR-HQ	YR-HQ	YR-HQ	YR-HQ
<b>OUTDOOR UNIT</b>						
Model		1U26JACFRA	1U35JACFRA	1U53RABFRA	1U71SABFRA	1U82SAAFRA
Net dimension (mm)	W/D/H	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
Net weight (kg)		40.6	40.6	49.0	54.0	60.0
Compressor Type		Rotary	Rotary	Rotary	Rotary	Rotary
Sound Pressure Level (dBA)	Cooling/Heating	54/55	54/55	55/58	55/58	55/57
Sound Power Level (dBA)	Cooling/Heating	65/65	64/65	61/63	65/68	67/72
<b>Operating Temperature Range</b>						
Outdoor (Min ~ Max)	Cooling	-10°C to +46°C	-10°C to +46°C	-10°C to +46°C	-10°C to +46°C	-10°C to +46°C
Outdoor (Min ~ Max)	Heating	-15°C to +24°C	-15°C to +24°C	-15°C to +24°C	-15°C to +24°C	-15°C to +24°C

Rating Conditions (AS / NZS 3823). Cooling – Indoor: 27°C DB, 19°C WB. Outdoor: 35°C DB. Heating – Indoor: 20°C DB Outdoor: 7°C DB, 6°C WB (DB: Dry Bulb ; WB: Wet Bulb)

# Haier Brand Story

## World's largest home appliance manufacturer



For 10 years, Haier has been the number one brand of major appliances in the world in volume sales\*



Founded in 1984, 2019 marked our 35th year



Over 80,000 employees across 30 countries

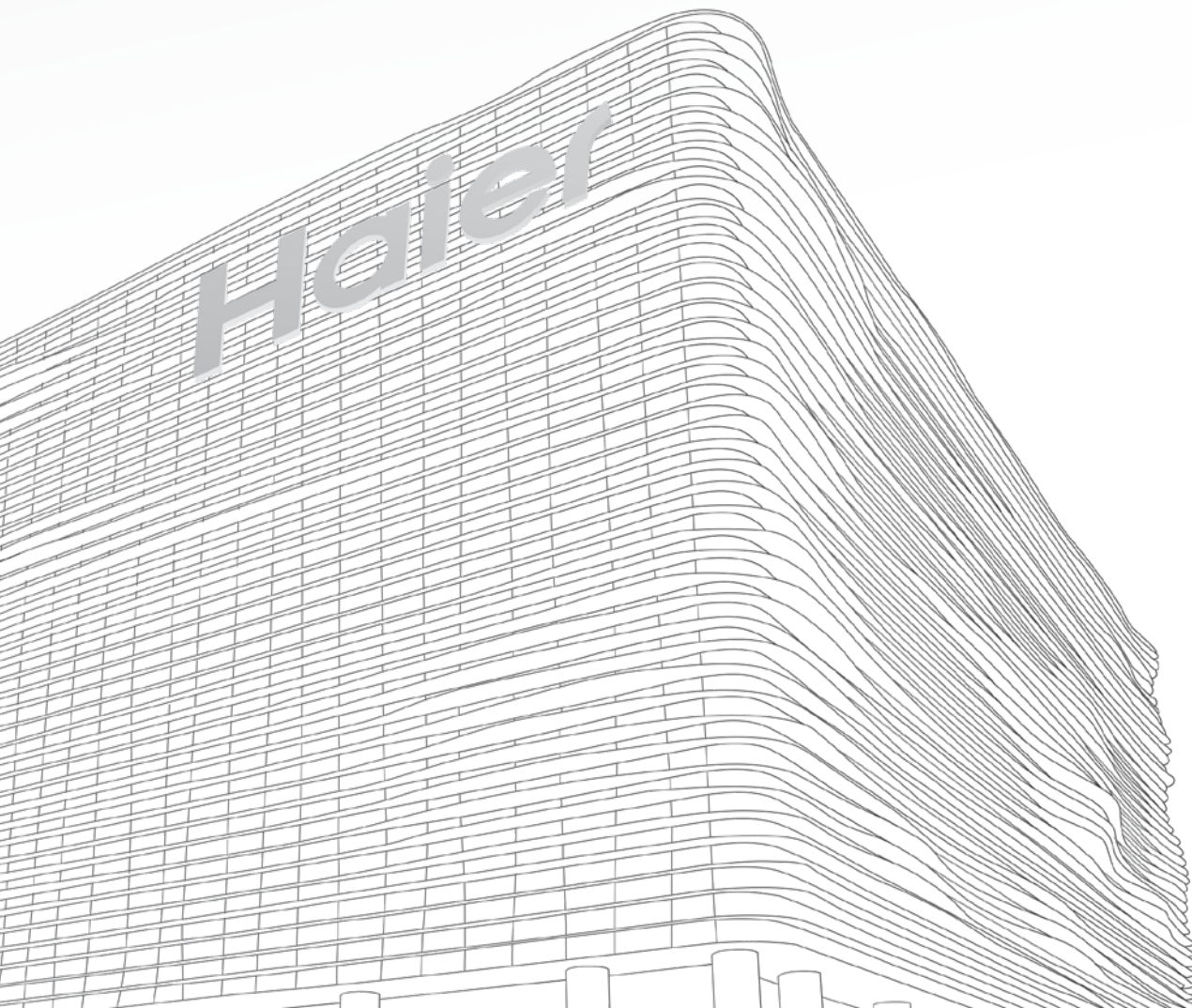


Recently Purchased GE Appliances



Distributed by Fisher & Paykel, a wholly owned Haier subsidiary

\* Source Euromonitor International Limited; Consumer Appliance 2019ed, % unit share, 2009-2018 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
  - Introduced China's **1st Split System AC**

## 1993

- Qingdao Qingkong AC **merged** with Haier Group
  - Introduced China's **1st Inverter AC**

## 1994

- Haier gains **ISO9001 Certificate**
- Haier acquires 1st export business to Italy

## 1998

- Introduced China's **1st DC Inverter AC**

## 2000 - 2003

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

## 2015-2016

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

## 2018-2019

- Launched Haier Voice Activated Air Conditioning - Dawn Series

## 2010

- Introduced **intelligent AC** with additional functions for security management and monitoring

## 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

## 2013 - 2014

- Launched Wi-Fi AC in China, Italy & South Asia

## 2017-2018

- Launched easy installation products – Flexis Series



## Customer Care | Haier Appliances

Australia: 1300 729 948 | [haier.com.au](http://haier.com.au)

New Zealand: 0800 424 372 | [haier.co.nz](http://haier.co.nz)

**Haier**  
Air Conditioning

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

**The warrantor is:**

Fisher & Paykel Australia Pty Ltd, Level 1, 1 Eden Park Drive, Macquarie Park, NSW 2113. Phone Customer Care: 1300 729 948 Email: [customer.care@haier.com.au](mailto:customer.care@haier.com.au).  
Fisher & Paykel Appliances Ltd, 78 Springs Road, East Tamaki, Auckland 2013. Phone Customer Care: 0800 424 372. Email: [customer.care@haier.co.nz](mailto:customer.care@haier.co.nz).