

Quartz

Hi-Wall Split Systems



Product Brochure 2022

Haier

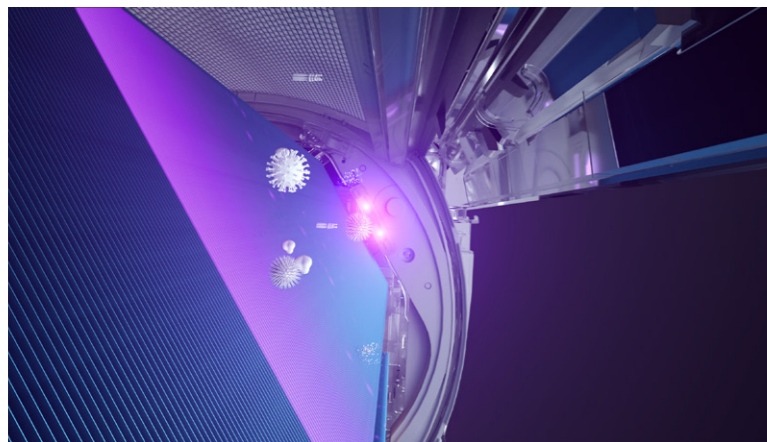
UV Protect

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

Self-clean

The Self-clean function freezes the evaporator with moisture in the air and flushes away dirt through melting, helping to ensure healthy airflow from your air conditioner.

Technology



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 metre³ closed room and 92.78% of Staphylococcus aureus bacteria in a 10m³ closed room, for two hours on Health mode at the highest fan speed.

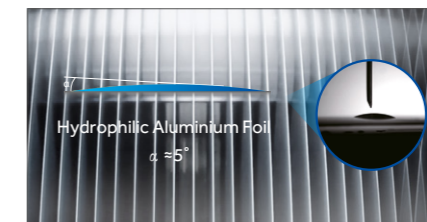
Technology

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.



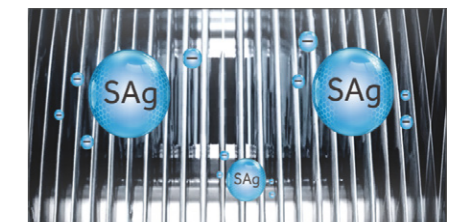
Cold Expansion Technology

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

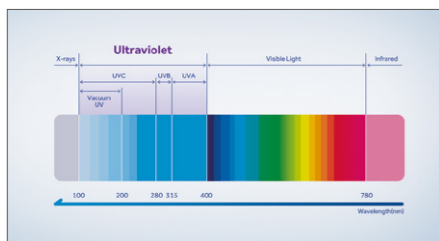
The aluminium coating contains silver ion nanoparticles that help to kill and inhibit the growth of bacteria with up to 99% efficacy.*

Benefits



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*



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 AS09FBHRA by TUV Rheinland. The test report shows that the cooling expansion rate is 98.2% and defrosting residual rate is 0%.



Coanda Plus airflow

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

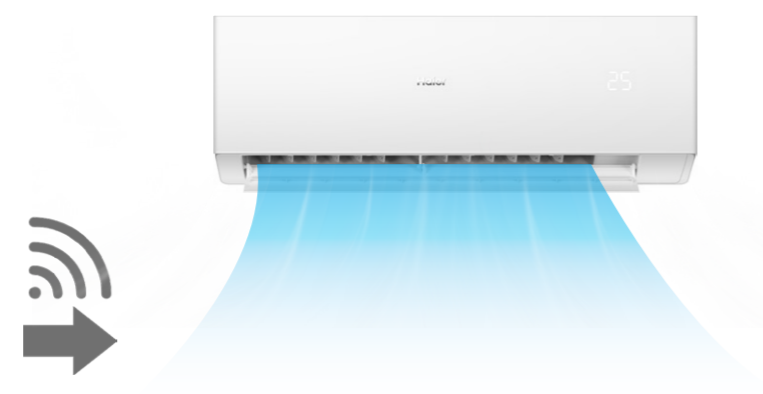


SmartHQ™

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



Technology



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:



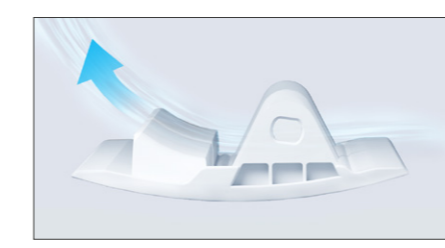
- Turn on/off the air conditioner.
- Is the air conditioner on/off?
- Set the air conditioner to 20 degrees.
- What temperature is the air conditioner set to?



- 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?

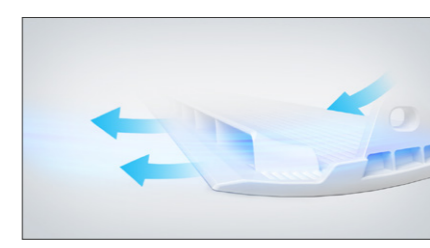
Technology

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



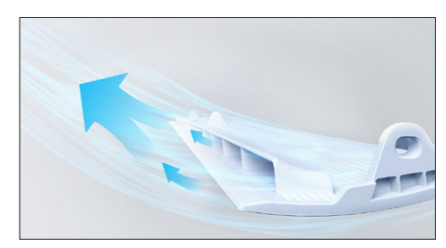
Archimedean spiral

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

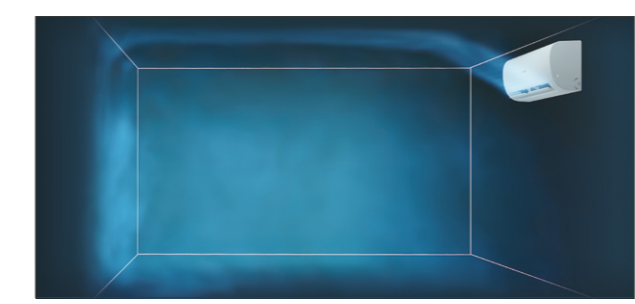
Airflow is released at high speed from the expansion duct, thanks to a dual layer design that is narrow inside and wide outside for optimal pressure.



Supplemented airflow

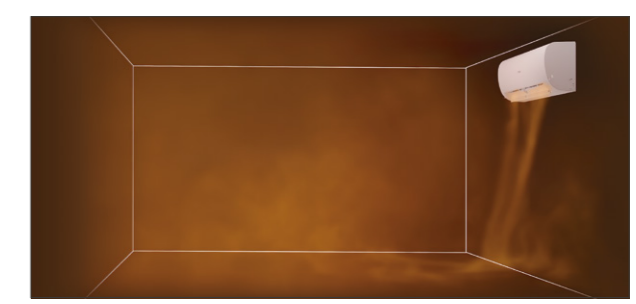
The airflow below the air deflector is funneled into the main airflow by negative pressure, making the flow even stronger.

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.

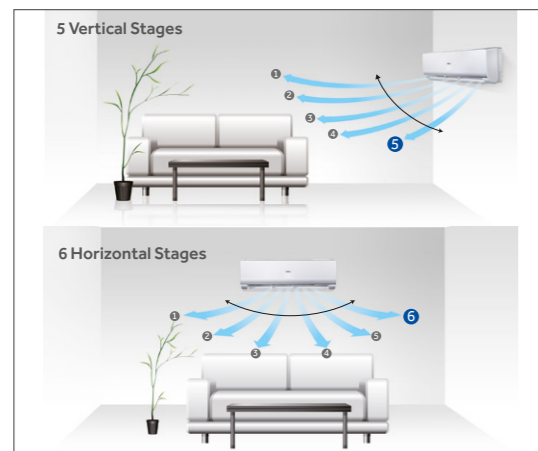


Floor heating

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.

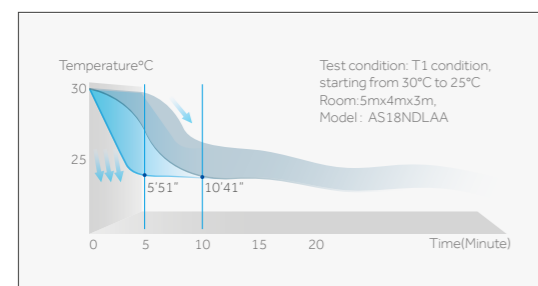


3D Airflow



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

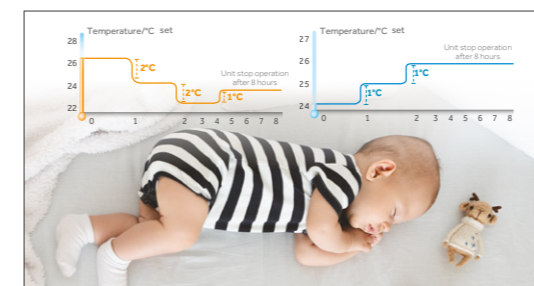
TURBO cooling



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.

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



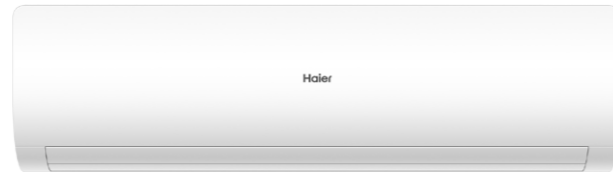
Designed for easy installation, Quartz air conditioners come with simple positioning specifications. The control board and motor are also easily accessible for fast maintenance.

Specifications

Indoor Unit



Models AS25QCEHRA AS35QCEHRA
AS50QDEHRA AS71QEEHRA



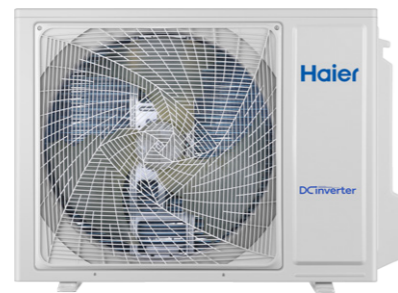
Models AS90QFDHRA



Outdoor Unit



Models 1U25MAEFRA
1U35MACFRA



Models 1U50WAEFRA
1U71WAEFRA



Models 1U90QADFRA

- UVC Sterilization
- 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

		AS25QCEHRA-SET	AS35QCEHRA-SET	AS50QDEHRA-SET	AS71QEEHRA-SET	AS90QFDHRA-SET
Model	Indoor	AS25QCEHRA	AS35QCEHRA	AS50QDEHRA	AS71QEEHRA	AS90QFDHRA
	Outdoor	1U25MAEFRA	1U35MAEFRA	1U50WAEFRA	1U71WAEFRA	1U90QADFRA
Capacity (kW) Rated (Minimum ~ Maximum)	Cooling	2.5 (0.9 ~ 3.2)	3.5 (1.2 ~ 4.0)	5.0 (1.4 ~ 5.6)	7.1 (1.8 ~ 7.6)	9.0 (2.6 ~ 9.8)
	Heating	3.2 (0.9 ~ 3.8)	3.7 (1.3 ~ 4.2)	6.0 (1.5 ~ 6.5)	8.0 (2.2 ~ 8.6)	9.5 (3.0 ~ 11.0)
Power input (kW) Rated (Minimum ~ Maximum)	Cooling	0.52 (0.18 ~ 1.05)	0.83 (0.25 ~ 1.30)	1.24 (0.36 ~ 1.90)	2.02 (0.48 ~ 2.70)	2.65 (0.67 ~ 3.30)
	Heating	0.70 (0.20 ~ 1.50)	0.86 (0.26 ~ 1.70)	1.48 (0.38 ~ 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	3.51/3.49	3.40/3.37
COP/ACOP		4.57/4.52	4.30/4.26	4.05/4.02	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	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	2.5/2.0/1.5
Electrical						
Rated Load Amps (Amp)	Cooling	2.3	3.7	5.5	8.8	11.8
	Heating	3.1	3.8	6.5	10.0	12.0
MCA Max Circuit Amps (Amp)		7.0	7.5	11.0	17.0	16.0
Breaker size (Amp)		10	10	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	1.42	1.55
Pipe Size (mm (Inch))	Liquid Line	6.35mm (1/4")				
	Suction Line	9.52mm (3/8")		12.7mm (1/2")		15.88mm (5/8")
Pipe length (Min ~ Max)		3 ~ 15		3 ~ 25		
Maximum Height Difference (m)		10			15	
Pre-charged up to a Length (m)		7			10	
Additional Refrigerant (grams/m)		20				
Indoor Unit						
Model		AS25QCEHRA	AS35QCEHRA	AS50QDEHRA	AS71QEEHRA	AS90QFDHRA
Net dimension (mm)	W/D/H	875/217/307	875/217/307	970/220/320	1106/240/345	1316/275/365
Net weight (kg)		10.0	10.0	11.6	15.5	21.5
Air Circulation H/M/L (L/S)	Cooling	195	210	265	310	320
	Heating	195	210	265	310	305
Sound Pressure Level (dBA)	SPL	40/36/32/21	40/36/32/22	47/43/37/33	48/44/38/33	48/42/36/30
Remote		YR-HE				
Outdoor Unit						
Model		1U25MAEFRA	1U35MAEFRA	1U50WAEFRA	1U71WAEFRA	1U90QADFRA
Net dimension (mm)	W/D/H	800/275/553	800/275/553	890/340/705	890/340/705	950/370/815
Net weight (kg)		30.0	30.0	43.2	44	51
Compressor Type		Rotary				
Sound Pressure Level (dBA)		51	52	53	54	56
Sound Power Level (dBA)		61	63	66	68	69
Operating Temperature Range						
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

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



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.

The evolution of Haier Air Conditioning

1985

- Qingdao Qingkong Air Conditioner Factory formed
- China's **1st Split System AC**

1993

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

1994

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

1998

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

2000-2003

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

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
- Haier Vietnam air conditioner factory started manufacturing

2017-2018

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

2021

- 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 2021*.

*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

New Zealand: 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 or 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. Fisher & Paykel Appliances Ltd, 78 Springs Road, East Tamaki, Auckland 2013. Phone Customer Care: 0800 424 372. Email: customer.care@haier.co.nz WF584270_V1