

# Pinnacle

Hi-Wall Split Systems



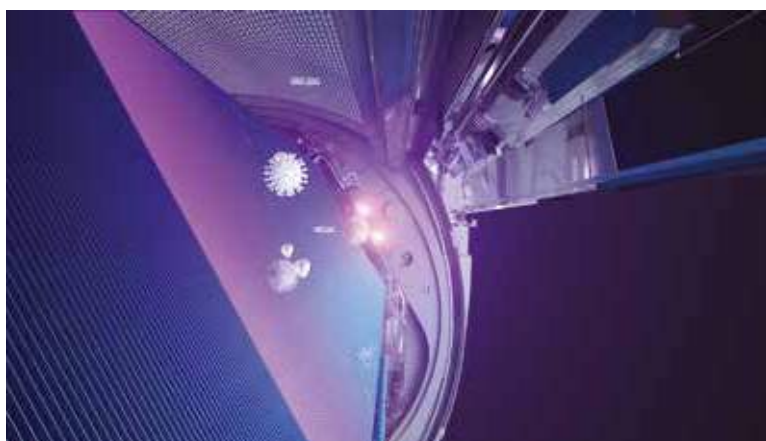
**Product Brochure 2021**

**Haier**

# UV Protect

Using a built-in UV light, your Pinnacle air conditioner kills airborne hazards with more than 91% effectiveness\* when in Health mode, delivering clean air to your room.

## Technology



The Haier air conditioner is equipped with a UVC generator module, which uses UV light to eliminate airborne hazards staphylococcus aureus bacteria at 92.78% effectiveness, and H3N2 virus at 91.47% effectiveness\* as they pass through the unit.

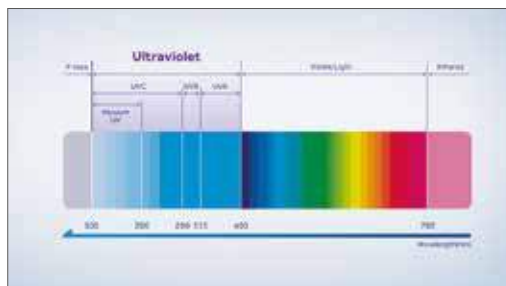
\*Tests have found 91.47% elimination of H3N2 virus in a 30<sup>m3</sup> closed room and the 92.78% of staphylococcus aureus bacteria in a 10<sup>m3</sup> closed room, for two hours on Health mode and at the highest fan speed.

## Benefits



### Safe, reliable operation

UV light cleans the air without use of chemicals or pollutants, reducing any negative environmental impacts.



### UV Protect for efficient sterilisation

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

# Coanda Plus airflow

Coanda Plus airflow technology sends warm or cool air further, as far as 18 metres in the 7kW Pinnacle model. From ceiling to floor and to every corner of the room, air circulates evenly.



## Technology

Coanda Plus airflow works in three ways to deliver air around the space in a more intuitive way.



### 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

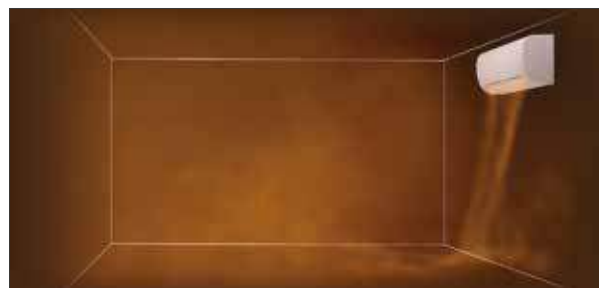
The airflow below the air deflector is funnelled into the main airflow by negative pressure, making the flow even stronger.

## Benefits



### Ceiling cooling

When cooling mode is turned on, the cool air is directed at a 35° angle towards the ceiling, so when you're sitting in the room you aren't exposed directly to the cold air flow. The cool air diffuses from the ceiling to the floor for improved comfort.



### Floor heating

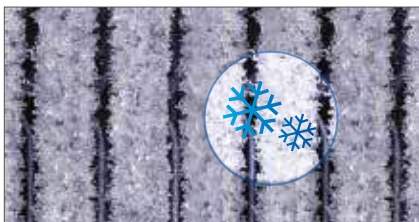
When heating mode is turned on, the warm air is directed downwards to cover the floor. It then circulates to the whole space, and ensures the temperature is balanced at every corner of your room.

# Self-Clean

Activate the Self-clean function on your Pinnacle when needed, reducing the amount of dust and bacteria in the air.

## Technology

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



### Cold Expansion Technology

Frost on the evaporator or condenser generates cold expansion force to remove most dirt from the surface, and help keep the air from your Pinnacle clean.



### Express Washing Technology

Hydrophilic aluminium is placed at a 5° angle, for increased water drainage efficiency.



### Antibacterial Technology

Aluminium fins in the Pinnacle have a special coating containing silver nanoparticles that can kill bacteria and inhibit further bacterial growth on the surface of the heat exchanger.

## Benefits



### Continuously Clean Air

With a push of a button your Pinnacle initiates Self-clean, reducing dust and bacteria.



### Maintains Energy Efficiency

Self-clean technology maximises performance efficiency by keeping its heat exchanger clean.

### TUV Certification\*



\*The Verification on Cooling Expansion Rate & Defrosting Residual Rate of Air Conditioner with Self-clean Technology is tested on model AS09FBBHRA by TUV Rheinland. The test report shows that the cooling expansion rate is 98.2% and defrosting residual rate is 0%.

\*Haier has been the world's No.1 Self-clean air conditioner brand for 2 years in a row with a market share of 43.4%. (Data from Euromonitor International as of Feb. 2020)



# SmartHQ™

Your home is ready to be connected with the SmartHQ™ app from Haier. It makes managing your Haier Wi-Fi enabled appliances easy, with the tap of a button.



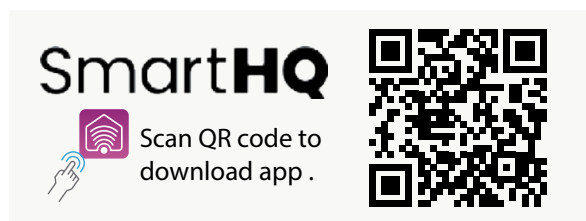
## Technology

Your Pinnacle is Wi-Fi enabled, to help you control your daily routine with ease – through the SmartHQ™ app or voice control.



### The SmartHQ™ app

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



### Voice control with smart home speakers

Google Home Assistant and Amazon Alexa allow you to interact with your air conditioner in an intuitive way, using your voice.

First, you'll need to 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

### Intuitively Hands-free 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 Google Home Assistant or Amazon Alexa to control your Pinnacle – 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?



## Comfortable Sleep with Sleep Mode

Your Pinnacle has a specially developed Sleep Mode, supporting your ideal sleeping environment to ensure maximum comfort during your night's sleep: raising, lowering or maintaining the temperature during the night.

### Heat mode

After 1 hour of operation the temperature setting is reduced by 2°C, then in the next hour it is reduced another 2°C. After the next two hours the temperature setting will be increased 1°C. After a period of eight hours the unit will turn off.

### Cool mode

After 1 hour of operation, the temperature setting is increased by 1°C, then after the next hour the temperature shall increase another 1°C. After a period of eight hours the unit turns off.





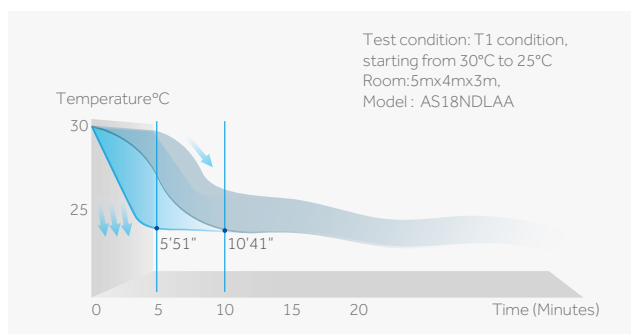
## Intelligent Air

Intelligent Air directs cool air upwards and warm air downwards, for maximum efficiency whether you're heating or cooling.



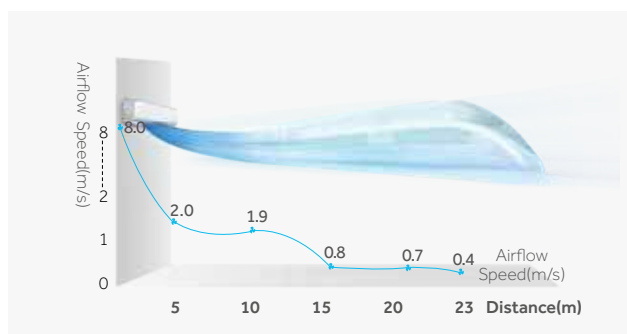
## Turbo Cooling

The Turbo program boosts the motor to work at a higher frequency, bringing you a cool room in a shorter time.



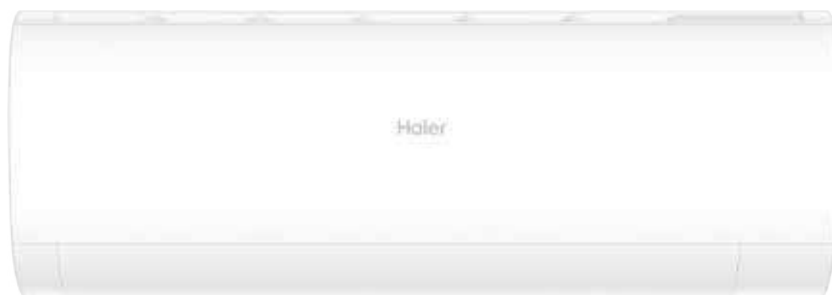
## Far-reaching Air Flow

With innovative fan and motor technology, air from your Pinnacle reaches long distances – as much as 20 metres in the 7kW model.



# Specifications

## Indoor Unit



## Outdoor Unit



**Models** 1U26MACFRA 1U35MACFRA



**Models** 1U53RACFRA 1U71RACFRA



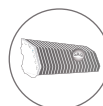
UV Protect



Coanda  
Plus Airflow



Self-Clean



Anti-Bacterial  
Silver ion coating



Voice Control



Dry Function



Turbo Cooling



Whispering Air



Sleep Mode



DC Inverter



Savings EER



24 Hours Timer



Weekly Timer



SmartHQ™ app



Wireless  
Remote Controller



Easy Installation



Easy  
Maintenance



Reliability



Auto Restart



Anti-Corrosion



# Pinnacle specifications

Model	Indoor	AS26PBDHRA	AS35PBDHRA	AS53PDDHRA	AS71PDDHRA
	Outdoor	1U26MADFRA	1U35MADFRA	1U53WADFRA	1U71WADFRA
ZERL Star Rating	Cooling: Hot/Average/Cold	4.5/4.0/4.0	3.5/3.5/3.5	3.5/3.0/3.5	2.5/2.5/2.5
	Heating: Hot/Average/Cold	3.5/3.0/2.0	3.0/2.5/1.5	3.0/2.5/2.0	2.5/2.0/1.5
Capacity (kW) Rated (Minimum ~ Maximum)	Cooling	2.5 (1.2 ~ 3.0)	3.5 (1.2 ~ 3.9)	5.0 (1.3 ~ 5.5)	7.0 (1.8 ~ 7.5)
	Heating	3.0 (1.2 ~ 3.6)	3.7 (1.3 ~ 4.3)	5.5 (1.4 ~ 6.2)	7.6 (1.8 ~ 8.2)
Power input (kW) Rated (Minimum ~ Maximum)	Cooling	0.56 (0.23 ~ 1.18)	0.92 (0.30 ~ 1.4)	1.30 (0.2 ~ 1.9)	2.12 (0.3 ~ 2.6)
	Heating	0.68 (0.21 ~ 1.5)	1.0 (0.29 ~ 1.7)	1.4 (0.2 ~ 2.5)	2.27 (0.3 ~ 2.7)
Cooling Seasonal Performance (Hot/Average/Cold Climate)	Residential	6.068 / 5.519 / 5.674	5.494 / 5.053 / 5.268	5.212 / 4.908 / 5.108	4.419 / 4.196 / 4.367
	Commercial	6.538 / 6.614 / 7.046	5.941 / 6.105 / 6.561	5.568 / 5.687 / 6.080	4.706 / 4.816 / 5.148
Heating Seasonal Performance (Hot/Average/Cold Climate)	Residential	5.457 / 4.505 / 3.788	4.816 / 4.046 / 3.452	4.667 / 4.129 / 3.595	4.090 / 3.627 / 3.196
	Commercial	4.493 / 4.917 / 4.263	4.841 / 4.379 / 3.844	4.675 / 4.350 / 3.889	4.097 / 3.818 / 3.445
EER/AEER		4.46/4.40	3.80/3.76	3.85/3.82	3.30/3.29
COP/ACOP		4.41/4.36	3.70/3.66	3.93/3.91	3.35/3.29
Electrical					
Rated Load Amps (Amp)	Cooling	2.5	4.1	6.0	9.5
	Heating	2.9	4.4	6.4	10.0
MCA Max Circuit Amps (Amp)		7.2	8.1	11.0	12.2
Breaker size (Amp)		10	10	16	20
Power cable connection location		Outdoor			
Power supply (Ph/V/Hz)		1/220-240/50			
Refrigeration					
Refrigerant Type		R32			
Refrigerant Factory Charge (kg)		0.80	0.84	1.02	1.10
Pipe Size (mm (Inch))	Liquid Line	6.35mm (1/4")			
	Suction Line	9.52mm (3/8")		12.7mm (1/2")	
Pipe length (Max)		15		20	
Maximum Height Difference (m)		10		15	
Pre-charged up to a Length (m)		7			
Additional Refrigerant (grams/m)		20			
Indoor Unit					
Model		AS26PBDHRA	AS35PBDHRA	AS53PDDHRA	AS71PDDHRA
Net dimension (mm)	W/D/H	805/200/292	805/200/292	970/220/320	970/220/320
Net weight (kg)		8.7	8.7	11.6	11.6
Air Circulation H/M/L (L/S)	Cooling	155/133/97	180/152/125	260/228/195	305/260/220
	Heating	150/130/95	175/145/120	225/198/168	260/220/190
Sound Pressure Level (dBA)	H/M/L	40/36/32	40/36/32	47/43/37	48/44/38
Remote		YR-HE			
Outdoor Unit					
Model		1U26MADFRA	1U35MADFRA	1U53WADFRA	1U71WADFRA
Net dimension (mm)	W/D/H	800/275/553	800/275/553	890/340/705	890/340/705
Net weight (kg)		29.7	30.0	43.2	43.5
Compressor Type		Rotary			
Sound Pressure Level (dBA)		51	53	47	48
Sound Power Level (dBA)		59	63	66	67
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 Maximum 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



Haier is the number one brand of major appliances in the world in volume sales\*



Founded in 1984, 2021 marked our 37<sup>th</sup> year



GE APPLIANCES

Parent company of GE Appliances



Distributed by Fisher & Paykel, a wholly owned Haier subsidiary

\*Source Euromonitor International Limited;

Consumer Appliances 2018 ed, % unit share, 2017 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

**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

\*Haier is the number one brand of connected air conditioner (including smart air conditioner) in the world, with a market share of over 31% in terms of volume sales in 2020.  
Source: Euromonitor International Limited. Date issued: March 2021.



## 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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