

# Haier

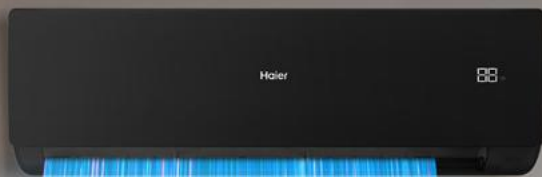
More Creation, More Possibilities

# Haier

HVAC Solutions

## Residential and Light Commercial

Catalogue 2025/26



# GLOBAL POSITION



**WORLD'S NO.1  
MAJOR APPLIANCES BRAND**

Haier has been accredited with being global No.1 in major household appliances by retail sales from 2008-2024, according to data from Euromonitor.



**WORLD'S NO.1  
SMART AC BRAND**

Haier is the world's No.1 connected air conditioner brand, in retail sales 2024, according to data from Euromonitor.



**TOP 100 MOST VALUABLE BRANDS**

Haier is the world's only IoT Ecosystem Brand that has been ranked in the Kantar BrandZ Top 100 Most Valuable Global Brands for six consecutive years.



**TOP 100  
GLOBAL CHALLENGERS**

With the global landing of the Smart Home ecosystem brand, Haier Smart Home was once again listed on the Fortune Global 500.



**"ESG" INTERNATIONAL AWARDS**

Haier has received numerous recognitions for its ESG efforts, including the Sustainable Markets Initiative's 2023 Terra Carta Seal.



**FORTUNE'S MOST  
ADMIRED COMPANIES**

Haier has been named one of the World's Most Admired Companies by Fortune's, making the sixth consecutive year the Company is on this prestigious list.



# CONNECTED ECOSYSTEM



**A2W HEAT PUMP**



**ENERGY STORAGE**



**HP WATER HEATER**



**A2A HEAT PUMP**



# Haier solutions for renewable energy production and management

Haier has been investing for years in an integrated ecosystem that combines smart applications, renewable energy, and advanced technologies to improve quality of life and reduce environmental impact. The goal is ambitious: to contribute to the realisation of buildings with zero impact by promoting energy efficiency, reduction of CO<sub>2</sub> emissions, and adoption of natural refrigerants and advanced green technologies to fight global warming.

Haier commitment to a more sustainable world has been increasingly more evident thanks to the introduction of Haier Energy, the brand-new Haier division dedicated to the manufacturing and distribution of photovoltaic, energy storage, power

conversion system and electric mobility across the European market through specialized distributors and wholesalers.

The benefits of utilizing a comprehensive energy management system that encompasses photovoltaic panels, inverters, batteries, heat pump water heaters and ATW systems for domestic hot water, and heat pump air conditioners are significant. This integrated approach allows for seamless control and monitoring of all components through a single application, hOn.

By consolidating these various technologies into one cohesive system, users can optimize energy consumption,

enhance efficiency, and reduce operational costs. Furthermore, the centralized management provided by the hOn app facilitates real-time data analysis and performance tracking, empowering users to make informed decisions regarding their energy usage while contributing to a more sustainable future.



For more scan here



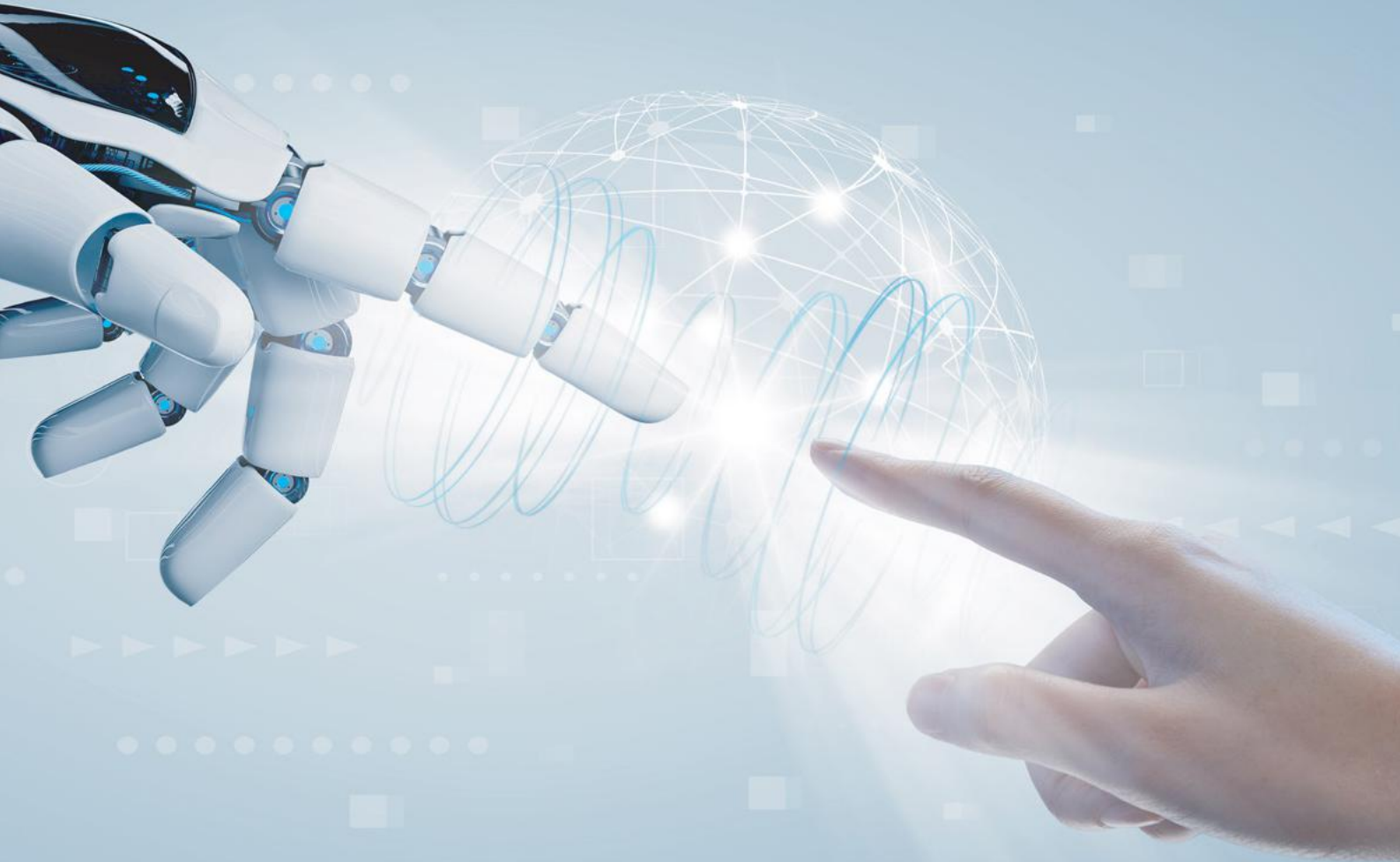
Haier HVAC Solutions boasts a comprehensive portfolio spanning three key sectors: Air Conditioning, Heating and Green Energy. Throughout this portfolio Haier HVAC covers both domestic and commercial solutions but what makes Haier truly unique, is the ability to connect and integrate its range of products to create a one brand solution. Having the ability to do this simplifies all aspects of the supply chain from pre-sales through to after sales support.

The hOn application by Haier can be used to control and manage all Haier products. This gives users complete control over

how they use their energy. The hOn app includes key features such as scheduling the units working time as well as monitoring the energy usage to ensure the system is working to its optimum level.

Haier's one brand solution reinvents the way that domestic and commercial properties consume energy, putting complete control in the hands of the user to ensure all their Haier products are operating in a way that suits the user's lifestyle and environment.

# ULTIMATE SMART



Recent years have seen the rapid development of telecommunication and IoT technology. Smart appliances have become the new household trend and Haier has taken the lead. With smart functions, you can customise the services to your needs by controlling your air conditioner from anywhere and anytime, and so much more.

Since earlier exports to Italy in 2013, we are selling smart air conditioners to over 130 countries and regions, with sales volume exceeding 25 million units globally. In 2024, Euromonitor International, a leading market research company, named Haier as the world's leading brand for connected air conditioners (including smart air conditioners).



**EUROMONITOR  
INTERNATIONAL**

Certified as the global No.1 connected AC brand.  
(Data: Euromonitor, March, 2024)

# WI-FI CONTROL



## Small adjustments are enough to reduce consumption, without sacrificing comfort.

Through the hOn app, you can choose different programs and operating modes that best suit you. Additionally, scheduling the hours of your air conditioner is simple and intuitive. You can change the desired temperature at any time, adapting it to your day and your schedule: you can check the actual hours of use of consumption so that you can make adjustments to your usage if required.. The eco sensor detects movement and presence of people in real time for optimisation and energy savings.

## Discover the new era of energy efficiency and savings thanks to the fusion of IoT and HVAC.

This cutting-edge technology not only saves energy but also reduces environmental impact. A complete ecosystem at your service, from household appliances to air conditioning and heat pumps to solar power generation systems, on a single interface to:

- 1. Meet all your energy needs** Thanks to centralised management, you can optimise the performance of all your appliances without compromising comfort. This innovative technology guarantees energy savings while reducing environmental impact.
- 2. Choose from a variety of programmes and operating modes to suit your needs.**  
The application makes it easy to manage each device according to the needs of each user.
- 3. Easily programme the use of your system, for comfort on demand, while optimising energy use.**
- 4. Adjust the temperature of your heating, cooling or hot water** in real time according to your schedule and daily activities, for total control over your consumption.
- 5. Easily track your consumption to maximize energy savings.**

## NEW Quick Pair



Thanks to our new remote controller, connecting your AC to your home Wi-Fi has never been so easy! By simply pressing and holding the designated button for 5 seconds, the Wi-Fi icon will start blinking on the AC panel and the pairing process will start immediately.

**Available on:** PEARL PREMIUM, PEARL NORDIC, REVIVE PLUS, EXPERT\*  
\*non-standard

## Voice-control



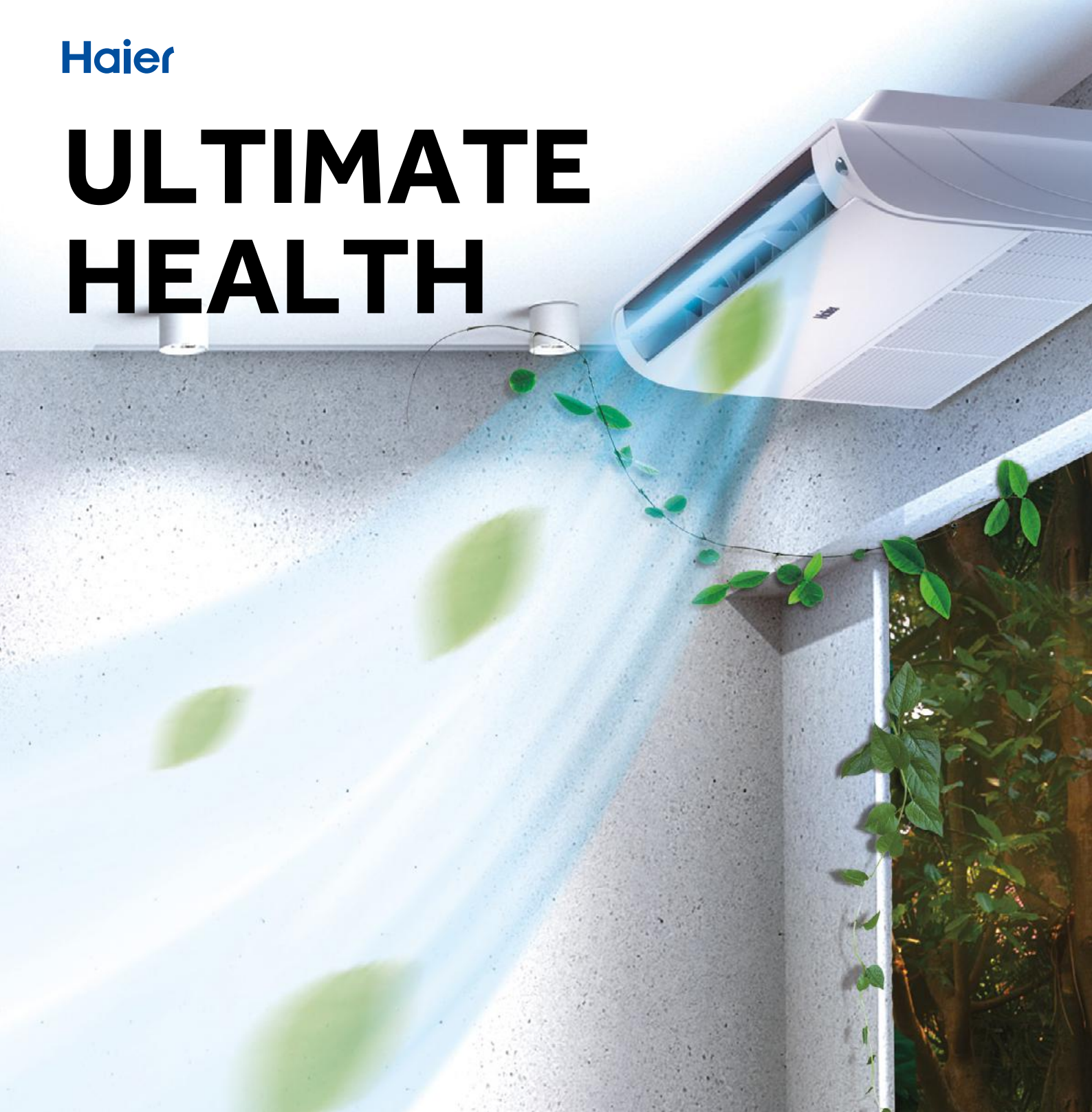
To use this function, you must ensure that the Haier air conditioning units are connected to the Wi-Fi network and configured with a Smart Home Device (not supplied by Haier).

## Eco Sensor



The smart sensor detects the condition of air and people's movement in real time, automatically adjusting the operating mode of the air conditioner to improve energy efficiency and optimise the users experience.

# ULTIMATE HEALTH



Air pollution is becoming widespread in emerging economies. Long exposure to polluted air threatens our health. Air pollution can cause discomfort, and may lead to lung or heart disease. There are numerous allergen and asthma sufferers worldwide who are vulnerable to pollen, mold spores, smoke, gases and chemicals. They need cleaner air to have better health and peace of mind. In 2020, the Covid-19 pandemic brought large-scale disruption to our lives. There after, having healthy air for us to breathe has become more important than ever before. Haier has been always been dedicated to healthy air innovations.

With our advanced technologies, research and development, we aim to keep our air conditioner clean at all time, and ensure gentle, healthy airflow for continuous comfort.

**The following pages detail the multiple functions available within our range.**

# DELIVERING CLEAN AIR



## SELF-CLEAN

Freezes the evaporator with moisture in the air and removes dirt during the defrost process, ensuring healthy air output



## 56°C STERI-CLEAN

Kills bacteria and viruses by heating the evaporator to 56°C temperature for 30 minutes

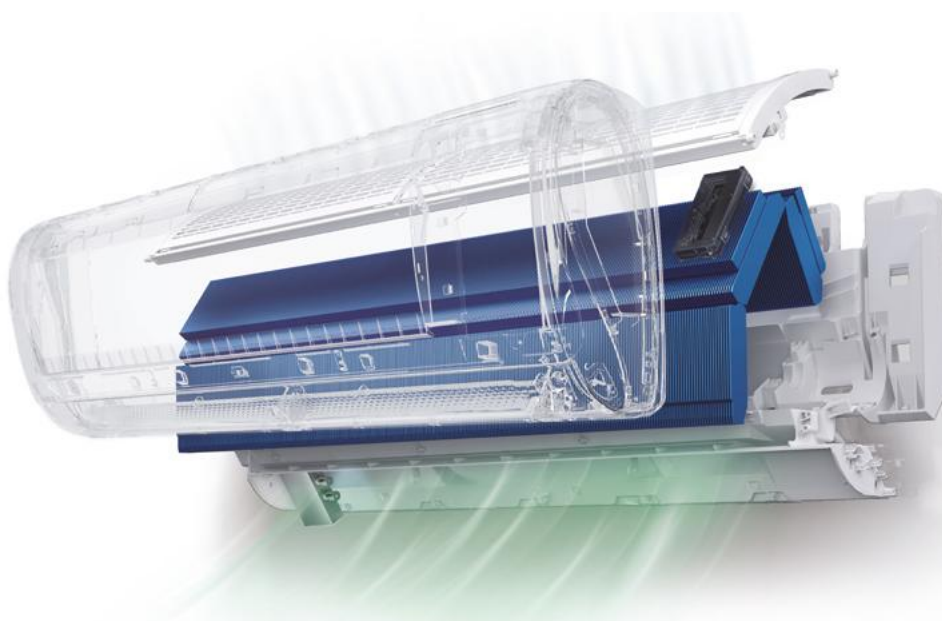


## EASY-TO-CLEAN

Easy access to the fan and filter allows for deep cleaning to ensure clean & healthy airflow



# DELIVERING HEALTHY AIR



## UVC STERILISATION

Emits UV light to sterilise the air passing through with efficiency up to 99.998%



## UVC PRO

Inhibits the reproduction of bacteria, by breaking down hydrogen and oxygen molecules and generates ions which inhibits bacteria and sterilises virus after contacting

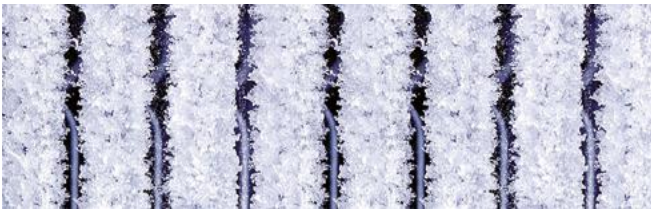
## EASY CLEANING

Thanks to the easy disassembly of components, it is possible to carry out a more thorough cleaning of the internal surfaces, therefore ensuring the healthiest air comes out of the air conditioner

# Haier SELF-CLEAN

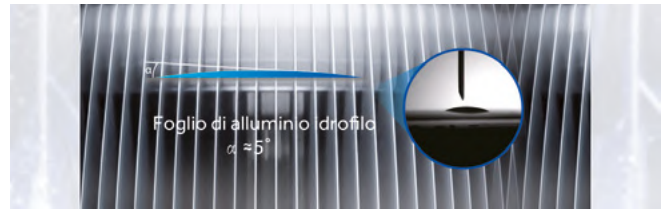
During operation, dirt accumulates on the evaporator. If the evaporator is not cleaned regularly, accumulated dirt reduces the thermal exchange by 15-30% and also promotes the proliferation of bacteria and mould.

## Cold expansion technology



The layer of frost that forms on the evaporator/condenser generates a strong force of cold expansion that easily removes dirt from the surface.

## Express washing technology



Low-angle hydrophilic aluminium foil speeds up water drainage by 20%.

The new Self Clean technology is the first of its kind to integrate the self-cleaning function of both the evaporator and the condenser. It starts with cleaning the evaporator, then switches to cleaning the condenser without stopping the compressor.

## BENEFIT



### Cleaner Air

This innovative technology allows you to kill bacteria and keep the evaporator clean.



### Increased Energy Efficiency

Our air conditioner always works at maximum cooling capacity with very high energy efficiency.



### Savings On Cleaning Costs

The automated cleaning process eliminates the frequency of manual cleaning by a service engineer.

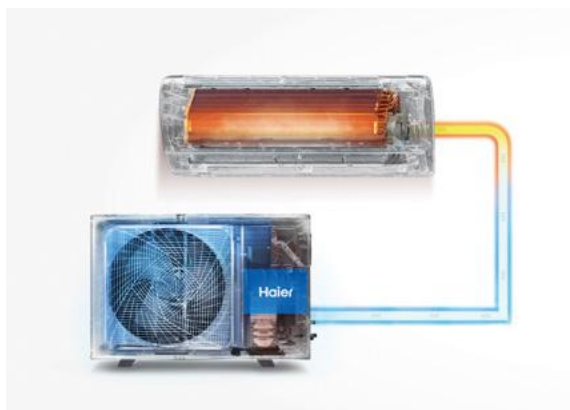
### TUV Certification



# 56°C STERI-CLEAN



Kills bacteria and viruses by heating the evaporator to a high temperature of 56°C for 30+ minutes.



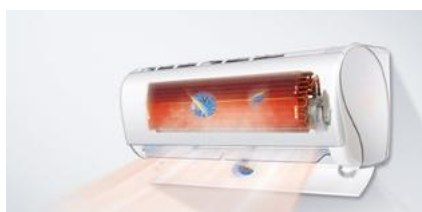
## High Temperature Sterilisation

Based on the latest research, most bacteria and viruses cannot survive at 56°C for 30+ minutes. Once the heating process is done, the evaporator is cooled down instantly to achieve better sterilisation performance

## Smart Frequency Control

It intelligently adjusts the compressor frequency to control the coil temperature and then maintains the evaporator at a high temperature of 56°C

## BENEFIT



### Delivering Healthier Air

56°C high temperature sterilisation dries the components inside, and kills bacteria and viruses, ensuring the air coming out of the air conditioner is healthy



### Eliminates Bacteria

As a result of this process the viruses and bacteria are eliminated from both the exchanger and other surrounding components of the machine. The result is also tested by the SGS laboratories which have shown its effectiveness



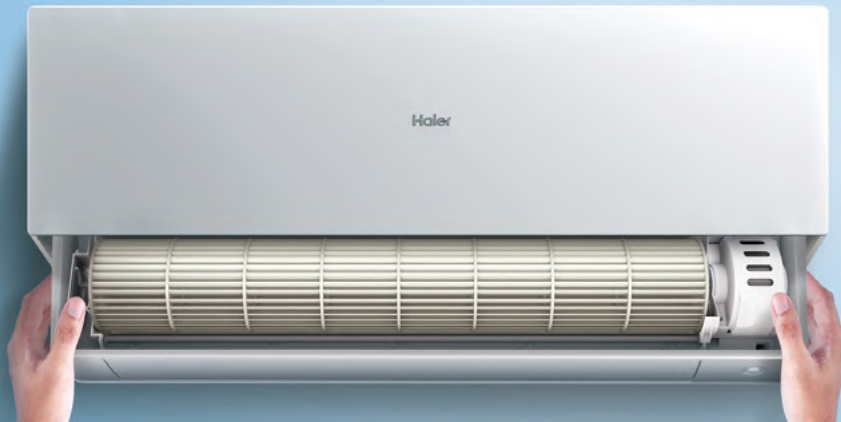
### Easy-to-Operate

The function is available via hOn APP and you can turn it on with just a simple tap

### SGS Certification\*



# EASY-TO-CLEAN



The indoor unit is designed to allow quick and thorough cleaning of the air conditioner's internal components and simplify disassembly of the main components such as the electronic board, motor and fan.



## Disassembling the indoor unit is quick and easy.

### 10 Steps for removing the fan unit

1. Open the filter cover panel
2. Lift up the two locking hooks
3. Unscrew the safety screw
4. Open the baffle slightly and remove the lower panel.

### Lower panel

5. Disconnect the 3 connectors at the bottom
6. Disconnect the condensation drain pipe
7. Unhook the 2 clips at the bottom of the body
8. Remove the fan unit, paying attention to the 2 hooks in the front

### Hooks at the front

9. Push the fan assembly downwards
10. Clean or carry out the maintenance.

Available on EXPERT unit only.

## BENEFIT



### Keep AC Clean

Regular cleaning of the core components including fan and air duct is crucial for maintaining a clean AC unit / system



### Saving Cleaning Cost

The innovative design improves the disassembly of the AC dramatically. It saves a lot of time and money if you do it on your own

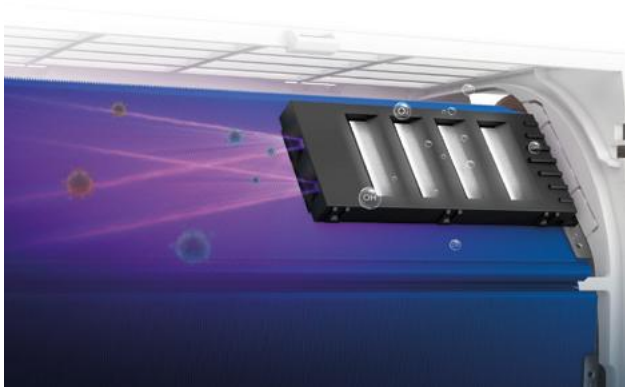
## SGS Certification\*



\*The Verification of 5-star Easy-to-Clean Compliance is tested on Q/HKT J09230-2021 standard by SGS. The test report shows that the star rating of Haier Expert series air conditioner (refer to the test report for detailed model numbers) on the PCB disassembly, motor disassembly, and fan disassembly is 5 star, which is the highest the rating scale

NEW

# UVC PLUS STERILISATION

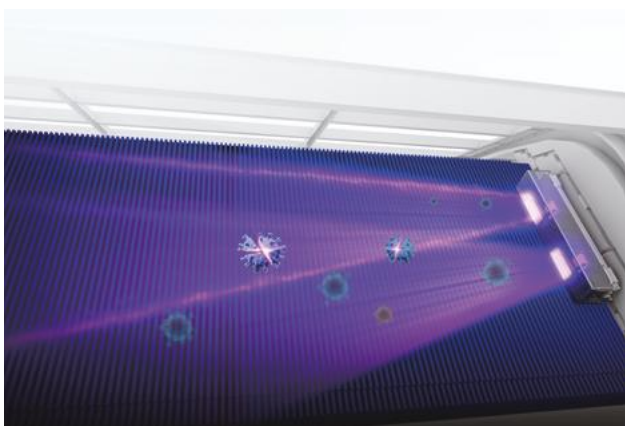


UVC Plus combines hydroxyl radicals (OH•) and reactive oxygen species to oxidize and decompose harmful organic compounds, such as odors, while using UVC to sterilize indoor air near the air inlet.

## BENEFITS

Oxidative groups sterilize and purify the air, significantly improving air quality for a more comfortable life. In addition, it doesn't require any consumable replacements, making it an eco-friendlier solution than conventional adsorption methods.

# UVC PRO STERILISATION

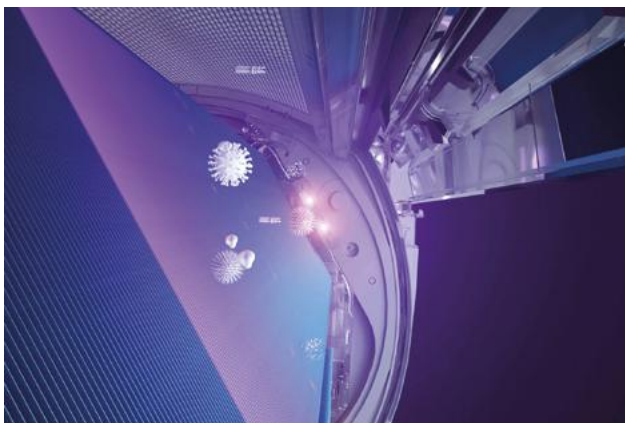


The lamp emits light on two different wavelengths in the UV range – at 254nm and 172nm, called “Vacuum UV rays” – providing dual effectiveness in purifying the air with both UVC rays and hydroxyl radicals produced by photolysis.

## BENEFITS

Vacuum UV absorption induces homolysis and subsequent ionization of water molecules. Various studies have shown how the irradiation of water molecules with light at a wavelength of 185nm causes a rapid degradation of organic micropollutants due to the decomposition of organic matter molecules in the environment.

# UVC STERILISATION



Haier uses the new generation of UV-C LED light, which can ensure air purification from bacteria and viruses by directly attacking the DNA of microorganisms, destroying them and preventing their reproduction. The light is integrated inside the unit, and a magnetic switch ensures safe operation of the device avoiding any risk of UV contact.

## BENEFITS

Haier UVC Sterilisation utilises the wave-length between 265-275 nm, which is stronger in destroying the invisible pollutants in the air and ensures to eliminate airborne hazards, with no harmful chemicals, no residuals, and no burden to the environment

Texcell

Haier

# ULTIMATE COMFORT



Due to the constant advancement of air conditioning innovations, conventional cooling and heating solutions can no longer meet the evolving consumer demands. Haier provides the most comfortable air conditioning experiences to users. The PID inverter technology enables the air conditioner to reach the desired temperature much quicker, and maintain it precisely. It delivers faster, and more

comfortable cooling performance. With innovative Triple Airflow, we utilise a unique dual-blade air deflector that generates a stronger, more concentrated airflow, and sends it to every corner of your room. Our solutions also provide whispering air that is quiet to down to 15db (A), and so much more.

# COANDA PLUS AIRFLOW



Coanda Plus Airflow enables the air to flow further, faster and stronger for even air distribution throughout the room.



## Air Deflection

The application of the dual-layer wind deflector structure creates the unique Archimedean spiral that directs the cold airflow to the ceiling with 35° elevation.



## Air Speeds

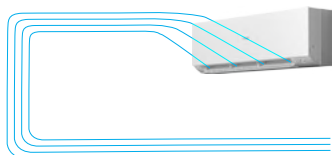
The optimal pressure expansion duct that is narrow inside and wide outside between dual layers where Venturi Effect occurs when air flows through the duct. Thus, the airflow is instantly released at high speed.



## Supplemented Airflow

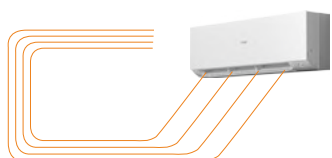
The airflow below the air deflector, absorbed tightly by the negative pressure generated by the faster airflow in-between, joins the main airflow and makes it even stronger.

## BENEFIT



### Archimedean Spiral

When the cooling mode is turned on, the cool air rises with 35° elevation to the ceiling, so users can avoid direct exposure to the cold airflow blowing out of the air conditioner. It is evenly dispersed from the ceiling to the floor of your room in a much faster and more comfortable way.



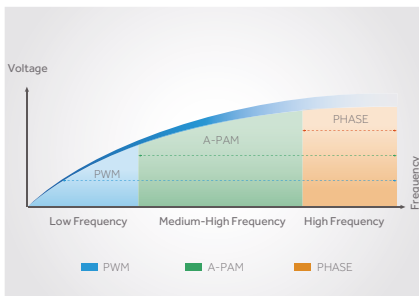
### Venturi Effect

When the heating mode is turned on, the warm air is delivered directly to cover the floor. The warm air circulates to the whole space, and ensures the temperature is balanced at every corner of your room.

# INVERTER PLUS

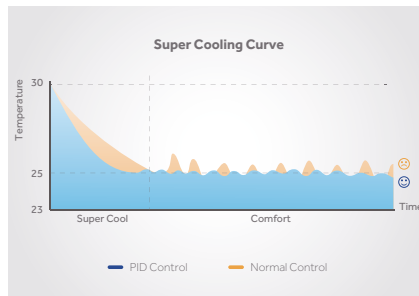


**Available on the whole RAC and LCAC portfolio.** Compared to conventional inverter technology, Haier Inverter Plus integrates the TLFM, PID and A-PAM inverter controls to achieve intelligent control of the air conditioner, and at the same time provide maximum comfort, reliability and highly efficient performance.



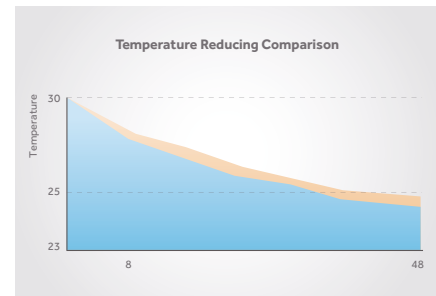
### TLFM Inverter Control

TLFM (Triple Link Frequency Modulation) technology uses 3 different voltage controls to optimally manage operational efficiency at each frequency stage.



### PID Inverter Control

The PID (Proportion Integration Differentiation) regulation technology optimises the operating frequency before reaching the desired temperature and then constantly makes real-time adjustments to keep the air at the desired temperature.



### A-PAM Inverter Control

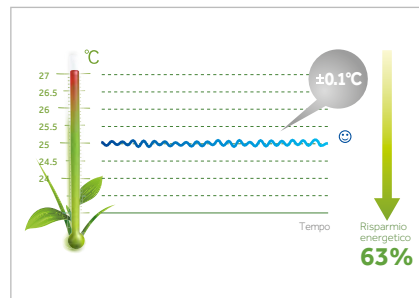
The A-PAM (Adoption-Pulse Amplitude Modulation) inverter control technology automatically adjusts the voltage of the DC bus based on the compressor load, increasing the range of operating voltage.

## BENEFIT



### Energy Saving Performance

Inverter Plus reaches high operational efficiency at all frequency stages. The cooling/heating performance is much faster and more powerful.



### Fresh & Comfortable Airflow

When the air conditioner is on, Inverter Plus reaches the desired temperature much faster than a traditional system, keeping it at a difference of  $\pm 0,1$  °C thanks to precise temperature control.



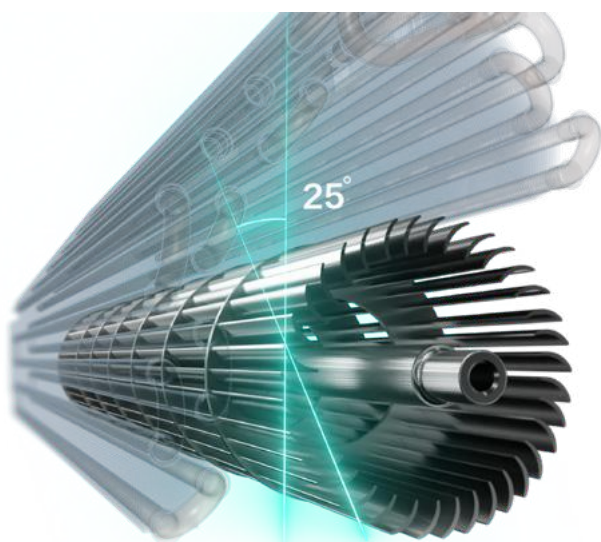
### Reliability

Inverter Plus adjusts the CC voltage by achieving stable operation between 120V-264V and ideal voltage control. The fresh air is able to reach even the most distant points of the room.

# LOW NOISE LEVEL



A good night's sleep requires more than just comfort: it demands tranquility. Haier air conditioners deliver both, operating at whisper-quiet sound levels as low as 16dB(A) - quieter than a soft whisper. This innovative technology ensures your rest remains undisturbed while maintaining the perfect temperature throughout the night.



### Optimised Design Of Air Intake

The surface of the suction grill has been increased by 17%. The space between the evaporator, the front panel and the suction grill has also been increased. This reduces the noise level.

### Optimised Cross-Flow Fan

By improving the inclination angle of the fan to 25 degrees, the surrounding airflow undergoes a smaller deviation, minimising the fan noise.

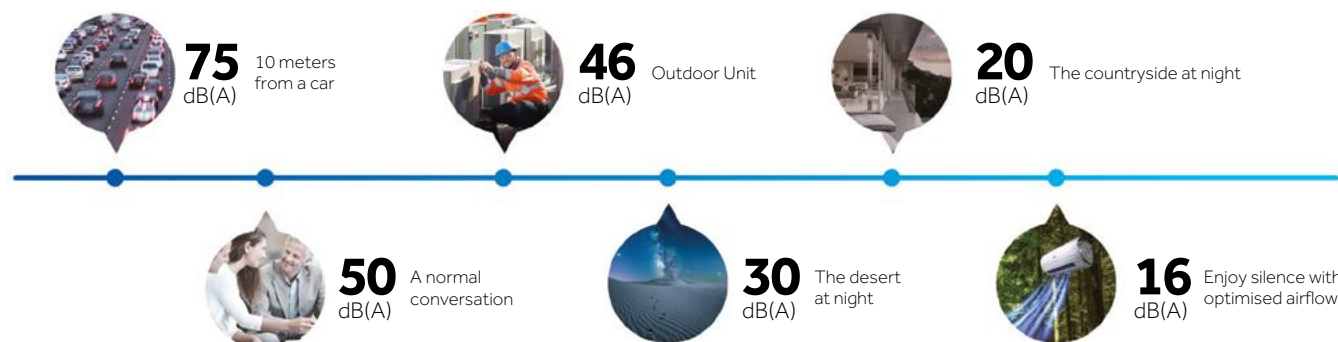
### Electronic Control System

The electronic control system uses DC inverter A-PAM technology and DC fan motor. It provides high static pressure, thereby reducing the noise produced by the indoor unit during its operation.

## BENEFIT

### Conditioned Air With A Low Level Of Noise

A noise level of only 16dB(A) guarantees a silence that you can't even imagine. It's so quiet that you don't even notice it's on and it doesn't distract you from what you're doing.



\*Note: The referenced 16dB(A) sound pressure level is achieved by the Expert series 2.5kW unit

# HYPER PCB



**Available on all RAC and LCAC outdoor units.** Provides consistent, powerful cooling with optimised design to cope with voltage fluctuations and unexpected damages that may lead to malfunction of the air conditioner.

## Thicker Conformal Coating

The PCB is covered with thicker conformal coating that is better than conventional coating to protect against moisture, chemicals, insects and extreme temperatures.

## FR-4 Material

The FR-4 material has flame resistant properties. It excels in retaining its high mechanical values and electrical insulating qualities in both dry and humid conditions.



## Compact Design

The design is smaller and takes up less space than conventional PCB. It minimizes its influences to heat exchange efficiency of the condenser, allowing more room for other components.

## Smart Power Module

The built-in high definition temperature sensor controls the working efficiency of the compressor to achieve superior cooling and heating performance.

## BENEFIT



## Increased Stability

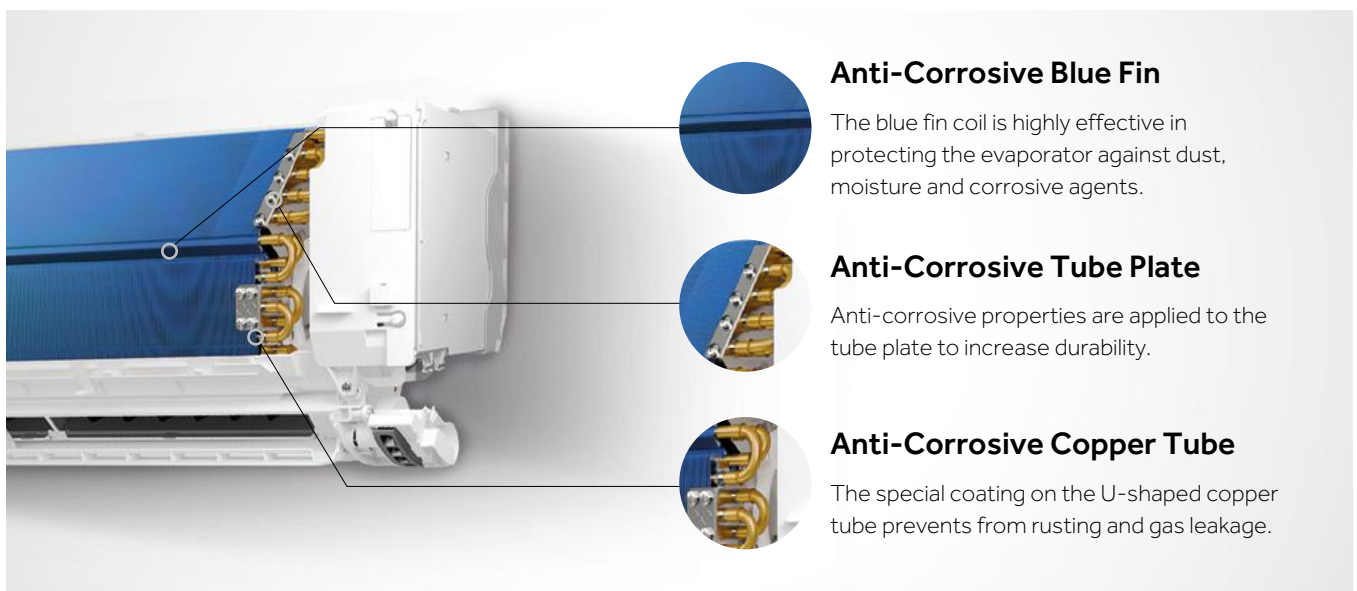
The PCB works stably between 130V-264V, It can start at the minimum of 130V. It enables the air conditioner to provide consistent cooling in harsh environments.

## More Durable

The special design and improved conformal coating protects the components against various elements that have the potential to would reduce its lifespan.

# ANTI - CORROSION

To enhance reliability and performance, the air conditioner is protected from possible damage caused by harsh environments in coastal regions (where the air is high in humidity, salt, chemicals and acid).



## Anti-Corrosive Blue Fin

The blue fin coil is highly effective in protecting the evaporator against dust, moisture and corrosive agents.

## Anti-Corrosive Tube Plate

Anti-corrosive properties are applied to the tube plate to increase durability.

## Anti-Corrosive Copper Tube

The special coating on the U-shaped copper tube prevents from rusting and gas leakage.

## BENEFIT



### More Durable

The anti-corrosive design increases the durability of the ac and saves money by reducing the need to send for service technicians.

### More Reliable

The anti-corrosive design prevents gas leakages and damage to the copper tube, to ensure the best air conditioning performance.

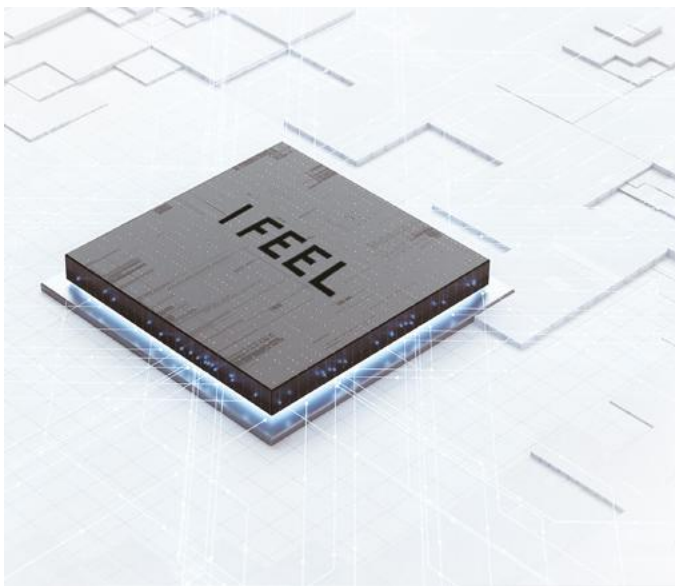
Available on all Wall Mounted Indoor Units\*

\*with the exception of Flair 10.5kW

# I FEEL



I-Feel technology transforms comfort by detecting temperatures precisely where you are. The remote controllers built-in sensor adjusts airflow to deliver your desired temperature exactly at your location – not just near the AC unit. Unlike conventional systems, it eliminates hot/cold spots by responding to your actual position in the room.



The performance of the air conditioner may vary in different working conditions. If the room temperature is higher/lower than expected, you will feel uncomfortable. I FEEL is the latest innovation in Haier's design to bring you total comfort.

### Built-in Temperature Sensor

With the high definition temperature sensor built inside, the remote controller of the air conditioner can precisely monitor the temperature around the room.

### Easy Control

With a simple click on the I FEEL button on the remote controller, the air conditioner receives real-time temperature data and will optimise working conditions to match the desired temperature set by users.

## BENEFIT



### Comfortable Experience

The function optimises the working conditions of the air conditioner to deliver airflow at the temperature you desire.

# PRECISE HUMIDITY

Ensures and delivers optimal comfort by maintaining temperature and humidity within the body's ideal range. The Precise Humidity function delivers healthy, comfortable airflow, while PID inverter control continuously adjusts to ambient conditions for flawless climate control.



## Pid Temperature And Humidity Control (Closed-loop Control)

Optimizes performance by dynamically adjusting compressor frequency, fan speed and refrigerant flow to precisely balance sensible cooling (temperature reduction) and latent cooling (dehumidification).

## BENEFIT

By balancing humidity perfectly, the Precise Humidity function enhances well-being while protecting your indoor environment from dryness or excess dampness.



Temp:25°C Humidity:50%



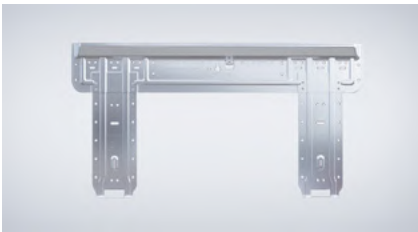
Temp:25°C Humidity: 80%

# EASY INSTALLATION



Easy installation allows the installer to work more efficiently and save time during the peak season. Haier air conditioning systems are easy to install thanks to the various optimised components. The optimised wall mounting plate provides detailed information for quick installation. At the same time, it facilitates disassembly and maintenance of the air conditioner by providing easy access to the fan motor and circuit board.

## Positioning Specifications



Install the mounting plate and fix the air conditioner at the appropriate height.

## Easy Clip



Facilitates installation with a larger workspace.

## Easily Accessible Control Panel



Simplified disassembly and maintenance without the need to dismantle the housing.

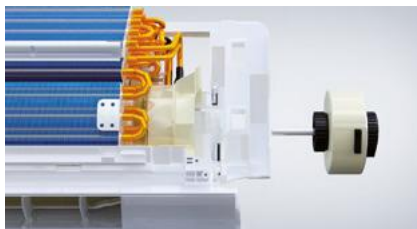
## BENEFIT

### More Space For Pipes



Reduces installation time by increasing operating space to easily access the piping and electrical connections area.

### Easily Accessible Fan Motor



Simplifies disassembly and maintenance without the need to remove the evaporator.

### Removable Bottom Panel



Allows the installer to connect pipes and cables without the aid of a screwdriver.

# EASY-TO-DISASSEMBLE



Optimizes design of the indoor unit allows for simple disassembly of core components including PCB, motor and fan, making the maintenance and cleaning easier than ever before.



### PCB Disassembly

- Open the front panel
- Open the PCB cover
- Unplug the terminals and take out the PCB

### Fan and Motor Disassembly

- Open the front panel
- Detach the bottom cover
- Unplug the terminals and take out the motor and fan

## BENEFIT



80% faster PCB disassembly










90% faster motor disassembly



95% faster fan disassembly

# CONTROL SYSTEMS

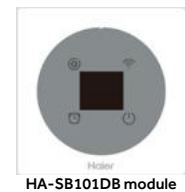
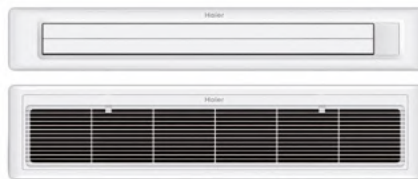
CATEGORY	REMOTE CONTROLLERS						
<ul style="list-style-type: none"> <li>● Standard</li> <li>○ Optional</li> <li>■ Panel</li> </ul>	 YR-HE	 YR-HE2	 HJ1-W	 HJ1-B	 YR-HQS01	 YR-HQ	 HQ-HJ
PEARL R290	●						
EXPERT		○		○			●
SERENE <span style="color: blue;">NEW</span>				●			●
FLEXIS PLUS				○			●
PEARL PREMIUM		●					
REVIVE PLUS		●					
EXPERT NORDIC							●
PEARL NORDIC		●					
CONSOLE					●		
1-WAY CASSETTE					○		
CASSETTE 620					○		
CASSETTE ROUND FLOW					○		
CEILING FLOOR					○		
SLIM DUCT LOW PRESSURE					■		
DUCTED MEDIUM PRESSURE					○ HA-SB101DB module		
DUCTED HIGH PRESSURE					○ HA-SB101DB module		
ALL COMFORT TOWER / TOWER						●	
CABINET					○		

■ \*WITHOUT PANEL requires HA-SB101DB module

**THE PANEL KIT (OPTIONAL) INCLUDES:**






Air supply grill equipped with vertical and horizontal fins motorised 3D effect - receiver - display




Air intake grill equipped with filter



HA-SB101DB module

IU	PANEL (OPTIONAL)	FEATURES
AD25 - AD35	P1B-890IA/D	With display including receiver
AD50 - AD71	P1B-1210IA/D	With display including receiver

WIRED CONTROLLERS					CABLE CONNECTOR
● Standard ○ Optional					 <b>0010452854</b> Connector cable for group connections
	<b>HW-BA101ABT</b>	<b>NEW HW-BA316AF</b>	<b>NEW HW-SA301ABK</b>	<b>YR-E16B</b>	
PEARL R290	● (+ WK-B interface)	● (+ WK-B interface)		● (+ WK-B interface)	●
EXPERT	● (+ WK-B interface)	● (+ WK-B interface)		● (+ WK-B interface)	●
SERENE	● (+ WK-B interface)	● (+ WK-B interface)		● (+ WK-B interface)	●
FLEXIS PLUS	● (+ WK-B interface)	● (+ WK-B interface)		● (+ WK-B interface)	●
PEARL PREMIUM	● (+ WK-B interface)	● (+ WK-B interface)		● (+ WK-B interface)	●
REVIVE PLUS	● (+ WK-B interface)	● (+ WK-B interface)		● (+ WK-B interface)	●
EXPERT NORDIC	● (+ WK-B interface)	● (+ WK-B interface)		● (+ WK-B interface)	●
PEARL NORDIC	● (+ WK-B interface)	● (+ WK-B interface)		● (+ WK-B interface)	●
CONSOLE	●	●	●	●	●
1-WAY CASSETTE	●	●	●	●	●
CASSETTE 620	●	●	●	●	●
CASSETTE ROUND FLOW			●	●	●
CEILING FLOOR	●	●	●	●	●
SLIM DUCT LOW PRESSURE	●	●	●	●	●
DUCTED MEDIUM PRESSURE	●	●	●	●	●
DUCTED HIGH PRESSURE	●	●	●	●	●
ALL COMFORT TOWER / TOWER					

CENTRAL CONTROLLERS			
● Standard ○ Optional			
	<b>HC-SA164DBT</b>	<b>HIW164DBI</b> Wi-Fi Accessory	<b>YCZ-A004</b>
MULTI 1:2	● requires YCJ-A002 for each IU		● requires YCJ-A002 for each IU
MULTI 1:3	● requires 2503320A2		● requires 2503320A2
MULTI 1:4	● requires 2503320A2		● requires 2503320A2
MULTI 1:5	● requires 2503320A2		● requires 2503320A2
MONO R32	● requires YCJ-A002 for each IU		● requires YCJ-A002 for each IU
MONO R410A	● requires YCJ-A002 for each IU		● requires YCJ-A002 for each IU
MAXISPLIT	●		●



WK-B YCJ-A002

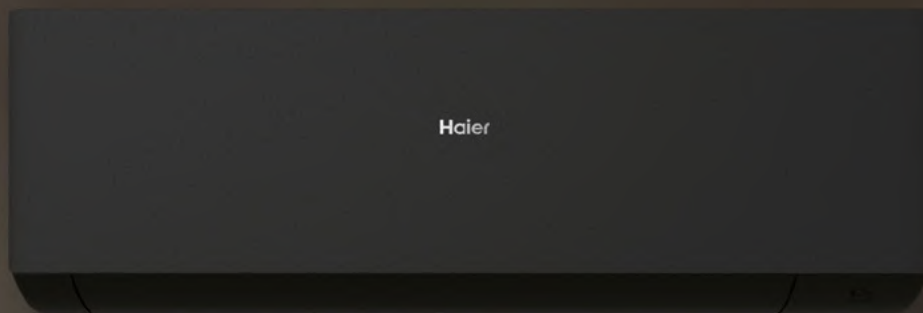
Interfaces required for connection to wired or centralised control (see table above).



2503320A2 Unit

# MONOSPLIT





## FUNCTION GUIDE

### ULTIMATE HEALTH



#### Self-Clean

CleanCool technology freezes the surface of the evaporator in contact with moisture in the air and eliminates dust in the defrosting process, thus ensuring the release of clean air.



#### 56°C Steri-Clean

Kills bacteria and viruses by heating the evaporator to a high temperature of 56°C for 30 minutes.



#### Mold Proof

There are silver nanoparticles on the main components through which the air passes. This inhibits bacterial growth.



#### Self-Hygiene

There are silver nanoparticles on the main components through which the air passes. This inhibits bacterial growth.



#### Puri-Clean

Puri-Clean uses an innovative IFD filter to eliminate all air pollutants and allergens with up to 99.9% efficiency, while providing comfortable air conditioning.



#### UVC PLUS

Combines the hydroxyl radicals (OH•) and reactive oxygen species to oxidize and decompose harmful organic compounds, such as odors, while using UVC to sterilize indoor air near the air inlet.



#### UVC Sterilisation

Emits UV light to sterilise the air passing through with an efficiency of 99.998%.



#### UVC PRO

The UVC-PRO lamp inhibits the reproduction of bacteria and sterilises viruses by generating ion clusters in the atmosphere, as a result of breaking up the hydrogen and oxygen molecules that destroy their structure after contact.



#### Blue Fin

Promotes the passage of condensation thanks to its hydrophilic and anti-corrosion properties.



#### HAF Filter

Utilises strong electrostatic charge on its surface to remove harmful micro-particles including dust, viruses and bacteria to provide a healthier environment.

### ULTIMATE SMART



#### Wi-Fi

The hOn app enables you to control and manage all Haier smart appliances in your home. All basic functions can be managed from the app such as, purification and planning functions from your smartphone. It is also compatible with Google Assistant and Alexa.



#### Quick Pair

Easy Wi-Fi pairing now through the remote controller which has a clear Wi-Fi button for ease of use.



#### Eco Sensor












The air conditioner will detect the intensity of the light, the movement of people and level of activity. It will then automatically adjust the cooling, enabling the reduction of energy consumption.









#### 3 Level Eco

New energy saving function which gives you the flexibility to set your Eco mode at 3 different levels. The savings can be up to 20%, 35% and 55% by limiting the compressor frequency.

## ULTIMATE COMFORT

	<b>3D</b>	The continuous movement of vertical and horizontal deflectors directs air flow to any point in the room.
	<b>I Feel</b>	The remote controller has an inbuilt sensor that can measure the temperature of the room, and adjusts the temperature according to the users needs for complete comfort.
	<b>-15°C Heating</b>	Provides optimal thermal performance during the winter thanks to the rotary compressor.
	<b>-30°C Heating</b>	This special feature allows an optimal performance at extreme temperatures.
	<b>-10°C/-15°C/ -20°C Cooling</b>	Works at low room temperature thanks to the high-frequency rotary compressor, optimised refrigerant system and special defrosting program.
	<b>COANDA PLUS</b>	The special aerodynamic design of the air louvers let the airflow go further and more powerfully, while keeping low noise and energy consumption with the smoother airflow.
	<b>Long Distance Airflow</b>	The indoor unit has been improved thanks to a special motor, fan and optimised air ducts, thus reaching up to 20 meters of range.
	<b>0.5°C Temperature Control</b>	Allows the user to adjust the temperature in half a degree steps for more precise comfort and greater energy savings.
	<b>Precise Humidity</b>	The embedded humidity sensor compressor frequency and fan speed adjust automatically to lower humidity in the room and create the most comfortable indoor temperature conditions, thanks to the embedded humidity sensor.
	<b>Heatstroke Prevention</b>	When the room temperature and humidity reach the alarm value, it activates and runs the AC in cooling mode automatically to lower heat and humidity in the room. Available on hOn app only.
	<b>Double Deflector Horizontal</b>	Provides airflow in multiple directions to improve the user experience.

## ULTIMATE FIT

	<b>Easy Clip</b>	Facilitates installation with a larger workspace that simplifies assembly and maintenance.
	<b>Removable bottom panel</b>	Allows the installer to connect pipes and cables without the aid of a screwdriver.
	<b>Easy Maintenance</b>	Optimises the structure of the indoor unit of air conditioner by simplifying the disassembly of core components including PCB, motor and fan, making the maintenance and cleaning easier than ever before.
	<b>Supermatch</b>	100% possibility of combinations of indoor and outdoor units, providing maximum flexibility of solutions.
	<b>Display Led</b>	Clearly shows the room temperature in real time or the desired temperature on the panel.
	<b>10°C vacation mode</b>	It is activated when the ambient temperature drops below 10 °C to protect pipes during the winter period. Suitable for applications such as unoccupied vacation homes, garages and basements.

# FLEXIS PLUS

- 2,5 kW
- 3,5 kW
- 4,2 kW
- 5,0 kW
- 7,1 kW



Integrated Wi-Fi Control

Standard HR-HJ



**Flexis Plus** redefines smart climate control with advanced UV-C air purification, self-cleaning technologies and ultra-quiet operation while delivering optimized airflow for perfect comfort. The energy-efficient, Inverter Plus technology delivers high performance in both cooling and heating modes. All this comes wrapped in a sleek matte black or white design.

## KEY FEATURES



Easy Installation



I Feel



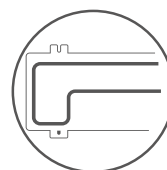
Eco Sensor



Silence



UVC Sterilisation



Heating Cable (Nordic Ver)

MODEL	Indoor		Black	AS25S2SF1FA-MB3	AS35S2SF1FA-MB3	AS42S2SF1FA-MB3	AS50S2SF1FA-MB3	AS71S2SF1FA-MB3
			White	AS25S2SF1FA-MW3	AS35S2SF1FA-MW3	AS42S2SF1FA-MW3	AS50S2SF1FA-MW3	AS71S2SF1FA-MW3
	Outdoor		Standard	1U25S2SM1FA-2	1U35S2SM1FA-2	1U42S2SM1FA	1U50S2SJ2FA-2	1U71S2ST1FA
			Nordic	1U25MEHFRA-1	1U35MEHFRA-1	-	1U50KEFFRA-1	-
<b>Performance data</b>								
Output power - COOLING	nom (min-max)	kW	2,60 (0,80-3,20)	3,50 (1,00-4,00)	4,2 (1,20-4,80)	5,20 (1,40-6,00)	7,00 (2,20-7,50)	
Output power - HEATING	nom (min-max)	kW	3,20 (0,80-4,20)	4,20 (1,00-5,20)	4,4 (1,30-5,80)	6,00 (1,40-6,90)	8,00 (2,40-8,50)	
Absorbed power – COOLING	nom (min-max)	kW	0,650 (0,20-1,20)	0,870 (0,30-1,50)	1,23 (0,40-1,70)	1,413 (0,50-2,00)	2,167 (0,70-2,50)	
Absorbed power – HEATING	nom (min-max)	kW	0,800 (0,30-1,50)	1,102 (0,50-1,60)	1,176 (0,52-2,20)	1,500 (0,52-2,35)	2,156 (0,70-2,90)	
Energy class	EER	W/W	4,00	4,00	3,41	3,60	3,23	
	COP	W/W	4,00	3,81	3,74	4,00	3,71	
COOLING Pdesign	35 °C	kW	2,60	3,50	4,2	5,20	7,00	
HEATING Pdesign	(-10 °C)	kW	2,40	2,80	3,6	4,60	5,60	
Energy class	SEER		8,50 (A+++)	8,50 (A+++)	7 (A++)	7,20 (A++)	7,10 (A++)	
	SCOP		4,60 (A++)	4,60 (A++)	4 (A+)	4,60 (A++)	4,00 (A+)	
Annual Energy Consumption - COOLING		kWh/a	107	144	210	253	345	
Annual Energy Consumption - HEATING		kWh/a	731	854	1260	1400	1959	
<b>Indoor Unit</b>								
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	
Treated air volume	H	m <sup>3</sup> /h	600	650	750	900	1100	
Dehumidification		L/h	1,2	1,6	1,8	2,0	2,8	
High sound power - COOLING		dB	53	55	58	57	60	
High sound power - HEATING		dB	53	55	58	57	60	
Sound pressure - COOLING		dB(A)	38/32/25/16	39/33/26/17	42/36/30/23	45/41/37/28	47/43/37/33	
Sound pressure -HEATING		dB(A)	38/32/25/19	39/33/26/20	42/36/30/23	45/41/37/28	47/43/37/33	
Net dimensions	WxDxH	mm	856x197x300	856x197x300	856x197x300	999x225x323	1115x235x343	
Packaging dimensions	WxDxH	mm	952x283x389	952x283x389	952x283x389	1100x314x420	1202x319x432	
Net/gross weight		kg	9,5/12,0	9,5/12,0	9,5/12,0	12,0/15,0	15,2/18,2	
<b>Outdoor Unit</b>								
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	
Power cable		N x mm <sup>2</sup>	3 x 1,5	3 x 1,5	63	3 x 2,5	3 x 2,5	
Interconnection cable		N x mm <sup>2</sup>	4 x 1,0	4 x 1,0	50	4 x 1,0	4 x 1,0	
Sound power	H	dB	59	61	63	63	70	
Sound pressure	H	dB(A)	47	48	50	51	57	
Running current cooling/heating	Max	A	6,8/6,8	7,2/7,2	8,0	10,68/10,68	13,0/13,0	
Starting current cooling/heating	Max	A	1,5/1,5	1,5/1,5	2,0	2,0/2,0	2,0/2,0	
Net dimensions	WxDxH	mm	800x280x553	800x280x553	800x280x553	820x305x643	890x340x705	
Packaging dimensions	WxDxH	mm	902x375x614	902x375x614	902x375x614	940x390x697	1046x460x780	
Net/gross weight		kg	27,6/30,4	30,0/32,9	31,5/34,0	37,8/40,5	45,0/50,0	
Compressor type			Rotary inverter	Rotary inverter	Rotary inverter	Twin rotary inverter	Twin rotary inverter	
<b>Installation data</b>								
Refrigerant			R32	R32	R32	R32	R32	
Liquid pipe	Ø	mm (inch)	6,35 (1/4)	6,35 (1/4)	6,35	6,35 (1/4)	9,52 (3/8)	
Gas pipe	Ø	mm (inch)	9,52 (3/8)	9,52 (3/8)	9,52	12,70 (1/2)	15,88 (5/8)	
Standard pipe length without refrigerant charge		m	7	7	7	7	7	
Maximum pipe length		m	20	20	20	25	50	
Maximum IU - OU elevation		m	10	10	10	15	30	
Refrigerant charge in the factory		kg	0,63	0,78	0,94	1,10	1,30	
Refrigerant charge in the factory		TCO <sub>2</sub> eq	0,43	0,53	0,63	0,74	0,88	
Additional ref. charge over std length		g/m	20	20	20	20	45	
Operating limits - COOLING (in/out)	min-max	°C	21-35/-20-43					
Operating limits - HEATING (in/out)	min-max	°C	10-27/-20-24					