

Haier

HVAC Solutions

Professional, Smart &
Healthy Air Solutions



2022 Year of the
EXPERT
Residential &
Light Commercial
Catalogue

Haier GLOBAL NETWORK

Haier owns 14 (R&D) Research and Development Centres, 25 industrial parks, 122 factories, 106 marketing centres worldwide, and sales networks in more than 160 countries and regions.

Haier has 7 major home appliance brands worldwide: Haier, Casarte, Leader, AQUA, Fisher & Paykel, GE Appliances and Candy.

Each of these brands offers the best user experience to various consumer groups in many regions and countries around the world.



COMFORT MADE EASY



ULTIMATE HEALTH



ULTIMATE SMART



ULTIMATE COMFORT



ULTIMATE FIT





ULTIMATE SMART

Recent years have seen the rapid development of telecommunication and IoT technology. Smart appliances have become the new household trend where 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 March 2021, Euromonitor International, a leading market research company, named Haier as the world's leading brand for connected air conditioners (including smart air conditioners) with a 31% market share in terms of sales volumes in 2020.



Voice Control



Wi-Fi



Eco Sensor

WI-FI CONTROL



Haier's new Wi-Fi "hOn" app, enables you to take control of all the Haier group appliances in your Smart Home from a single app on your smartphone or tablet.

The hOn app allows you to manage all the basic functions and much more. The app can also respond to voice commands because it is compatible with Google Assistant and Alexa.

TECHNOLOGY

Integrated Wi-Fi module

The Wi-Fi module is already built into the air conditioner. In order to control the units via smartphone or tablet it is necessary to download the hOn app from the App Store, Google Play and Huawei AppGallery. You can also use the QR Code here to locate the app.



BENEFIT

Customised Service

Here are some of the functions you can enjoy with "hOn" app.



Group Control

Control multiple units on one single smart phone device.



Smart Reminder

Sends regular notifications to user to clean the filter mesh.



Weekly Timer

Sets temperature and fan speed for the week ahead.



Error Alert

Error code is shown on the app when it malfunctions.



Convenient Control

Controls air conditioner from anywhere and anytime via network.



Custom Program

One button for user DIY program.



Voice In APP

Built-in voice control for easy for the interaction.



Holiday Mode

Set holiday mode with one simple touch.



Energy Consumption

Know your electricity consumption in real time.

VOICE-CONTROL



Total comfort is also when words are worth more than actions. With Haier's voice control function, you can manage the main functions of one or more air conditioners, simply through verbal communication.

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. (Smart Home device not supplied by Haier for compatible devices, please contact head office).

TECHNOLOGY



hOn App

The new hOn App is a single digital environment to control, manage and enjoy, getting the most out of all Haier group products.

With the hOn App, it is possible to control all your Haier Group smart appliances, using voice control via the most popular voice assistants. It was created, using the latest technologies for smart appliances, to make it simpler and easier to use.

BENEFIT

Customised Service

Here are some of the functions you can enjoy with "hOn" app.

Turn on/off the air conditioner.

Is the air conditioner on/off?

Set the air conditioner to 20 degree.

What is the temperature set on air conditioner?



Set the air conditioner to heat/cool/smart mode.

What mode is the air conditioner set?

Set the air conditioner to low/medium/high/auto speed.

What is the air conditioner speed?

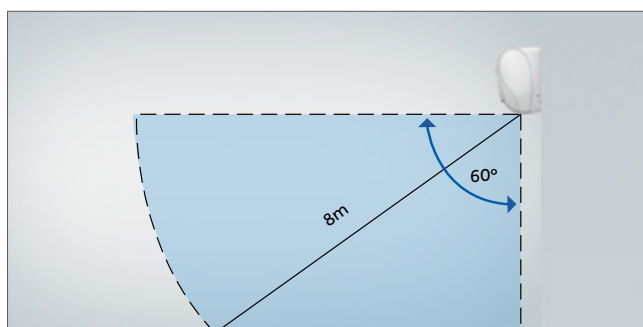
ECO SENSOR



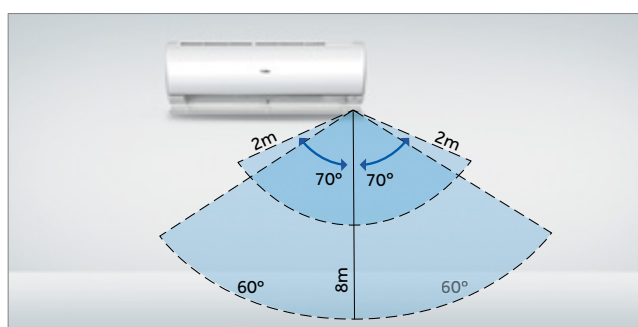
TECHNOLOGY

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.

With two built-in modules, the Eco sensor uses a double area detection with a maximum angle of 120 degrees and a distance of 8m. The sensor automatically detects the presence of people inside a room and adjusts the air flow by activating the "Follow" or "Avoid" mode according to your specific needs.



Vertical Detection Area



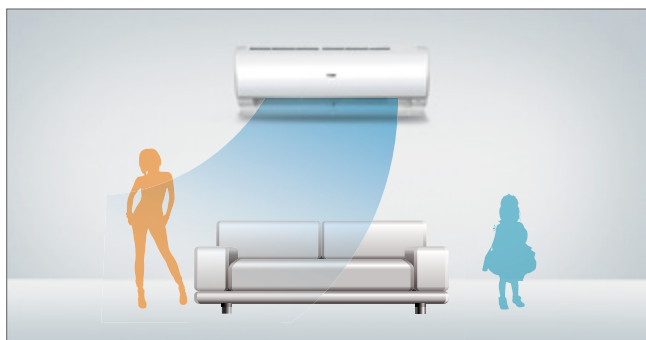
Horizontal Detection Area

A larger area of detection and the identification of people's exact location ensure the best possible user experience. The brightness sensor detects any change in light intensity. When night falls or the light goes out, the air conditioner enters "sleep" mode.

BENEFIT

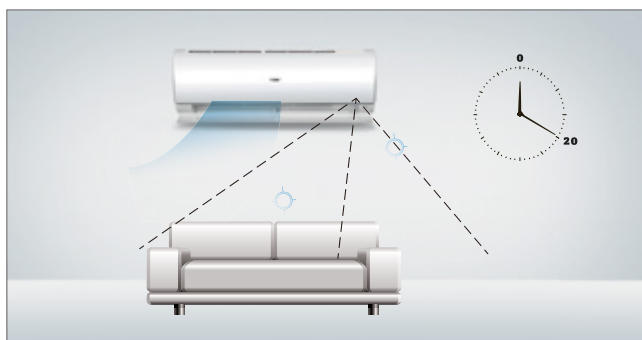
Increased Comfort

If a high body temperature is detected, the fresh air flow is directed towards the person. If a low body temperature is detected, the air flow is diverted.



Energy Saving

The Echo sensor automatically detects the location and movements of people in the room. If the room is empty, the air conditioner activates the power saving mode within 20 minutes.



ULTIMATE HEALTH

Air pollution is becoming widespread in emerging economies. Long exposure to polluted air threatens our health. When you breathe, pollutants such as PM2.5 are inhaled. They cause discomfort, and may lead to lung or heart disease. Besides, 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. Therefore 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 keep our air conditioner clean all the time, and ensure gentle, healthy airflow for continuous comfort.

Delivering Clean Air



Self Clean



56° Steri-Clean

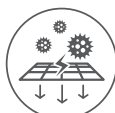


Self Hygiene

Deliver Healthy Air



Puri Clean

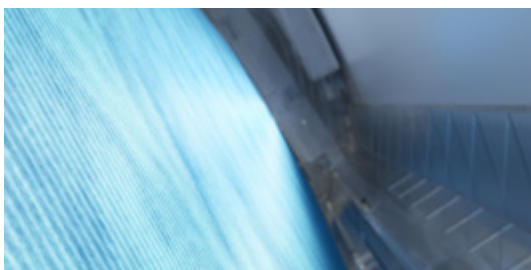


IFD Sterilisation



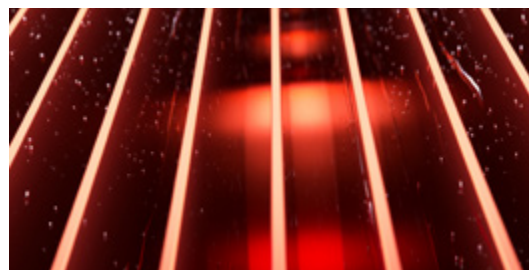
UVC Sterilisation

DELIVERING CLEAN AIR



SELF-CLEAN

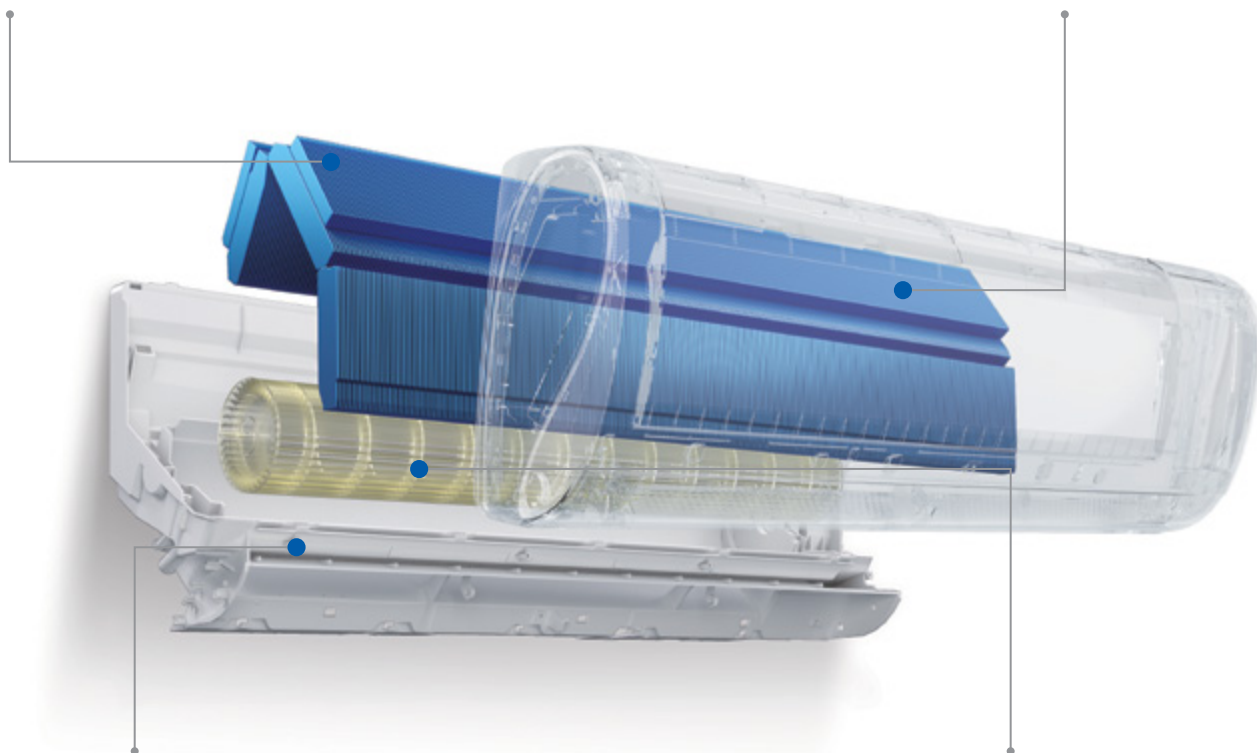
Freezes the evaporator with moisture in the air and removes dirt during the defrost process, ensuring healthy air output.



56°C STERI-CLEAN

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

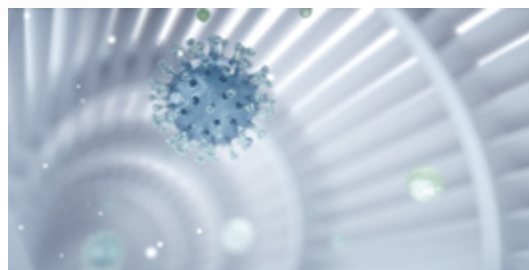
SGS



SELF-HYGIENE

The surface area of the heat exchanger of all units in the residential range is coated with silver ions to prevent the creation of mould and bacteria.

SGS

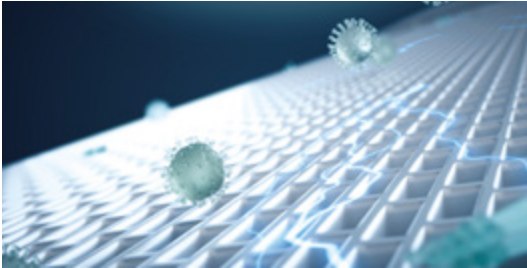


EASY-TO-CLEAN

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

SGS

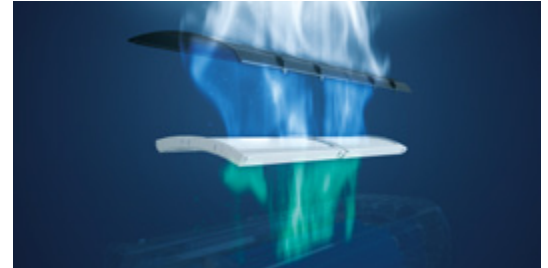
DELIVERING HEALTHY AIR



SUPER-IFD

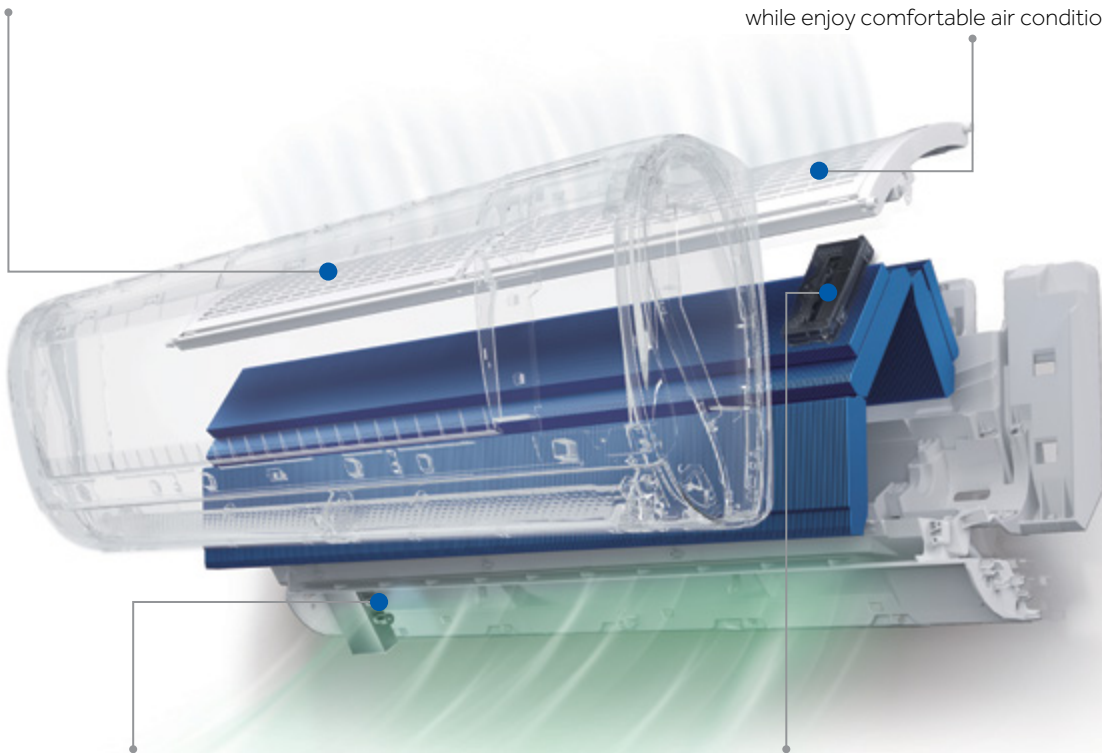
IFD filter capable of filtering out pollutants, allergens and bacteria in the air with up to 99.9% efficiency (TÜV certified).

SGS



PURI-CLEAN

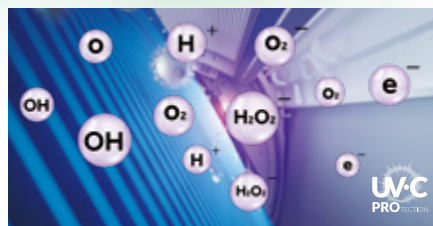
Utilises advanced IFD purification filter to remove all kinds of airborne pollutants and allergens with efficiency up to 99.9% while enjoy comfortable air conditioning.



UVC STERILISATION

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

Texcell



UVC PRO

Inhibits the reproduction of bacteria, by breaking down hydron and oxygen molecule and generates ionic group 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.

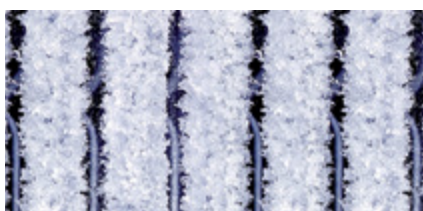
SELF-CLEAN FUNCTION



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.

TECHNOLOGY

Cold expansion technology



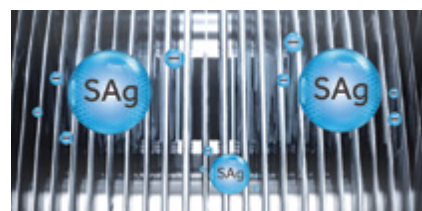
The layer of frost that forms on the evaporator/condenser generates a strong force of cold expansion that easily removes dirt from the surface.

Express washing technology



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

Antibacterial technology



The coating contains silver nanoparticles capable of effectively killing 99% of the bacteria by inhibiting their proliferation.

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



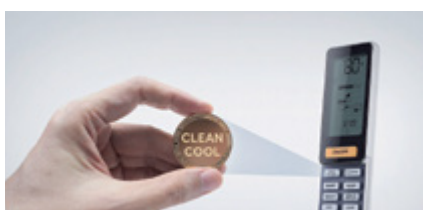
Cleaner air

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.



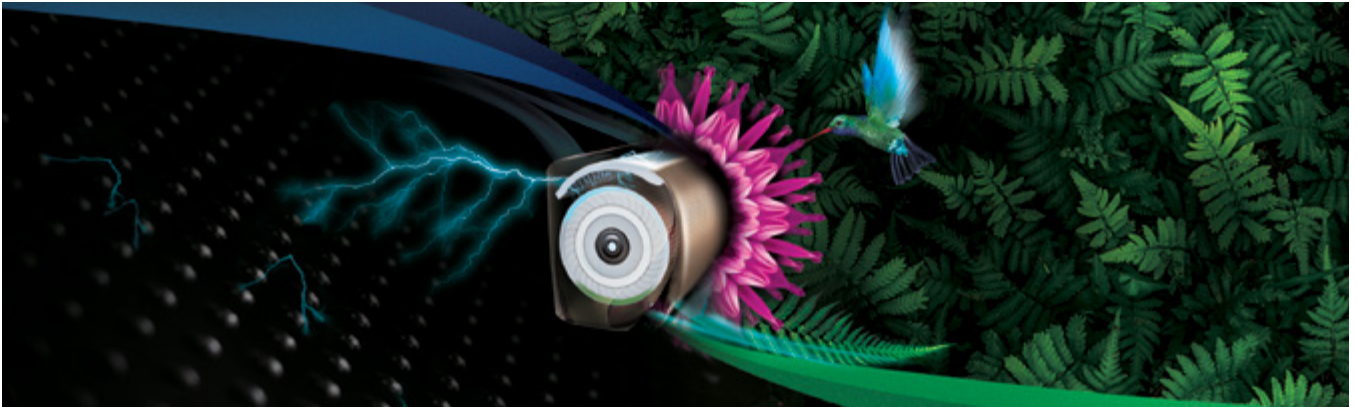
Savings on cleaning costs

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

TUV Certification

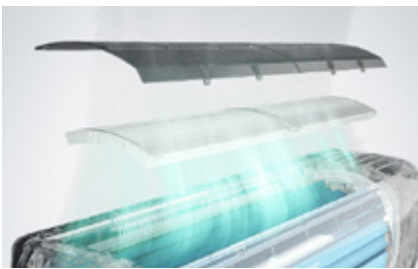


SUPER-IFD STERILISATION



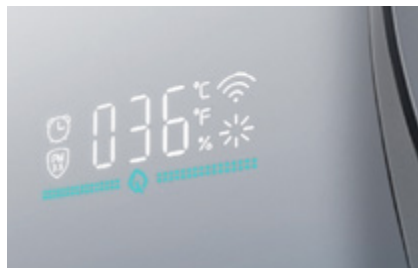
Absorbs and kills virus and bacteria in your environment with an efficiency of up to 99%.

TECHNOLOGY



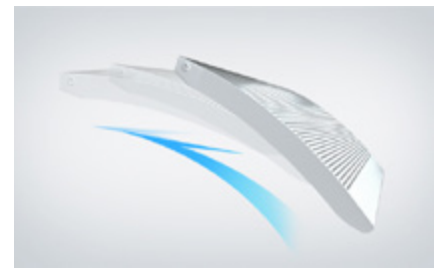
Super filter IFD

This innovative filter consists of 6818 ventilation holes, spread over a total area of 8180 cm². When air purification is activated, the generated static electricity absorbs pollutants in the environment.



Smart air quality sensor

A high-definition precision sensor installed on the suction grid detects the presence of dust and allergens in the air and displays the information on the screen in real time. When the air quality is good, the green light is turned on. When it is poor, the red alarm light is turned on.



Smart purification

The IFD filter is located at the front of the evaporator. When the air quality detected in the room is poor and purification mode is activated, the IFD filter flows upwards to completely cover the air input.

BENEFIT



Deliver Healthy Air

Super-IFD Sterilisation can efficiently kill airborne bacteria & mold and effectively filter out anaphylactogen such as pollen, dust (PM2.5 & PM0.3).
Sterilisation Rate: > 99%



Easy-to-Clean

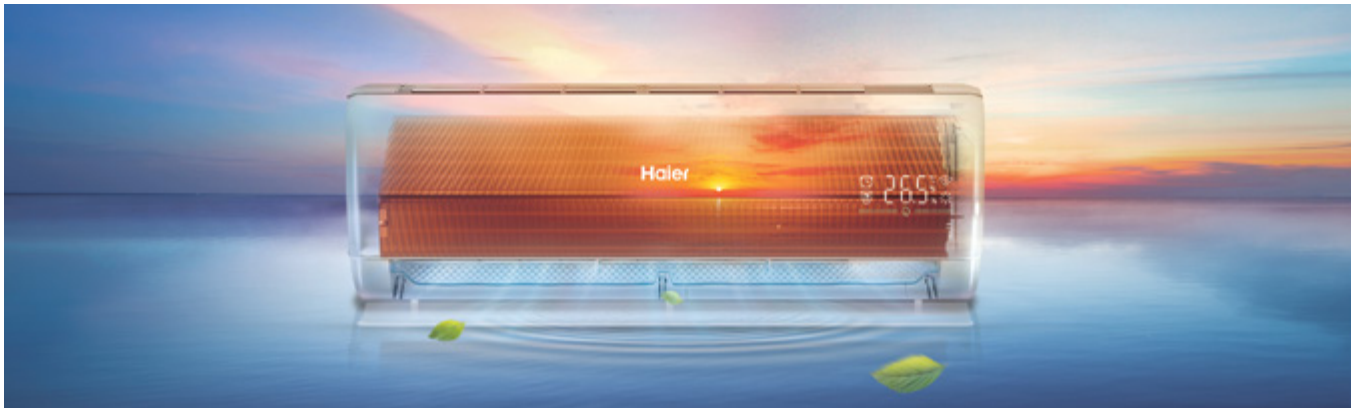
The IFD filter is in detachable design. When the filter is dirty after long-time usage. It can be washed and reused.

SGS Certification*



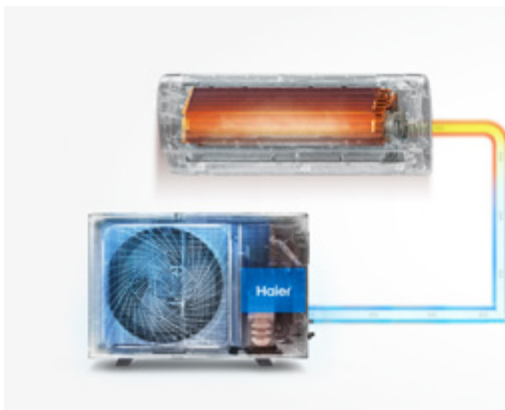


56°C STERI-CLEAN



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

TECHNOLOGY



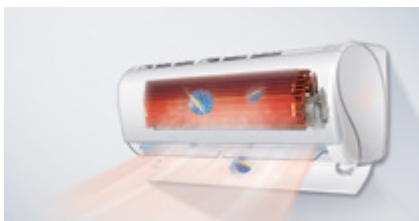
High Temperature Sterilisation

Almost no bacteria and virus can survive at 56°C for 30+ minutes based on latest research. 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 56°C high temperature.

BENEFIT



Delivering Healthier Air

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



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.



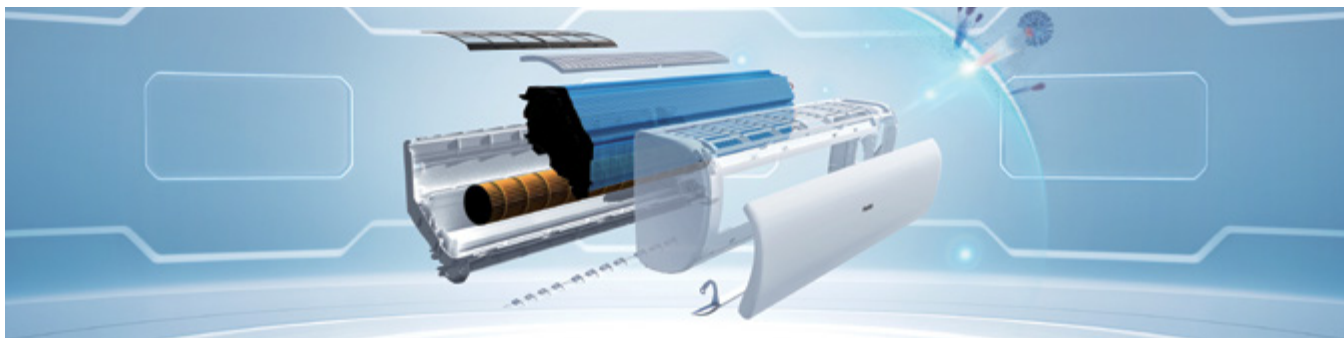
Easy-to-Operate

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

SGS Certification*

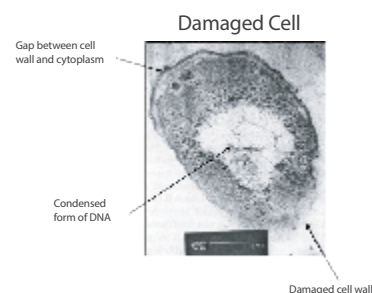
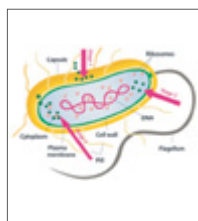


SELF-HYGIENE



Mould and bacteria are diffused in the air. Although not all microbes compromise air quality and cause disease, some harm our health if we don't manage them well. Haier air conditioning with the Self-Hygiene incorporate silver nanoparticles into the heat exchanger surface to inhibit bacterial growth.

TECHNOLOGY



Silver nanoparticles

Molds and bacteria are widespread in the room air. They compromise air quality and cause diseases. When the air conditioner is turned on, the fan blows, and the dirt is attached to the components of the indoor unit. These elements lead to the growth of mold and bacteria. Silver nanoparticles continuously release a low level of silver ions to provide protection against molds and bacteria.

BENEFIT



Healthier air

Mould and bacteria are no longer able to grow and proliferate in the components through which air passes, and the silver ions do not cause any damage to the human body. Therefore, the air coming out of the air conditioner is always healthy.



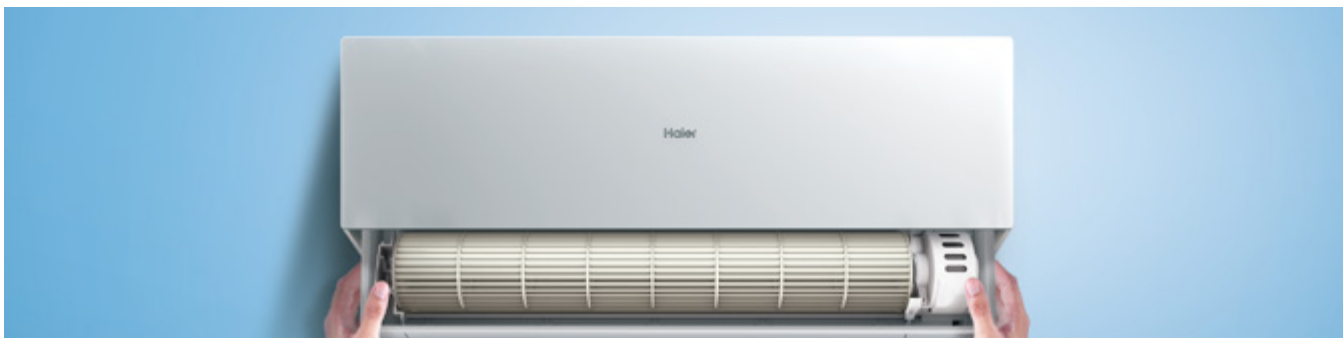
Savings on cleaning costs

It is necessary to regularly clean and sterilise the equipment to keep the internal surface clean. This saves you money on the cost of a cleaning service technician.

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. Deep cleaning ensures that bacteria, dust and removal of bacteria, dust and mould that are deposited inside the unit over time and during use.

TECHNOLOGY



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

BENEFIT



Keep AC Cleaning

Regular cleaning of the core components including fan and air duct is crucial to maintaining the AC clean.



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*



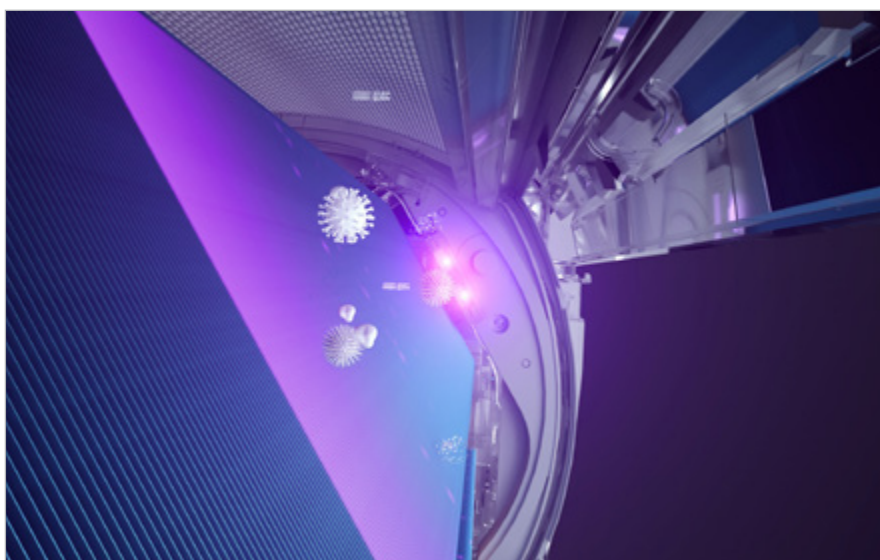
*The Verification of 5-star Easy-to-Clean Compliance is tested on Q/HKT J09230-2021 standard by SGS. The test report shows that the star rating of Haier Expert series air conditioner (refer to the test report for detailed model numbers) on the PCB disassembly, motor disassembly, and fan disassembly is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

UVC STERILISATION



The built-in LED UV light kills airborne hazards when the air circulates from air inlet, and delivers healthy air to your room. Haier integrates UVC technology to the Commercial range, allowing duct systems to sterilize the air we breathe in offices, hotels and other commercial buildings.

TECHNOLOGY



UVC Wavelength

UVC is the shorter, and more energetic wavelength ranging from 200-280nm of the sunlight spectrum. It is particularly efficient in destroying genetic material.

Built-in UV Lights

The UV lights emit rays near the air inlet where room air circulates into the AC. The airborne hazards are instantly killed when passes through the area.

Safety Lock

When the front panel is open, the air conditioner will automatically turn off the UVC lights. It avoids potential risks of direct exposure.

BENEFIT

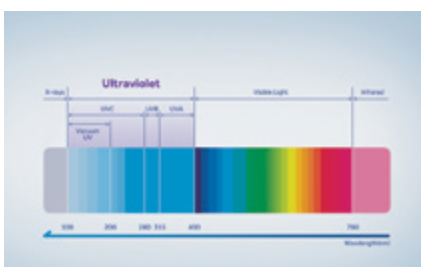


Safe, Reliable Operation

It eliminates airborne hazards, with no harmful chemicals, no residuals, and no burden to the environment.

Efficient Sterilisation

Haier UVC sterilisation utilises the wave-length between 265-275 nm, which is stronger in destroying the invisible pollutants in the air.



TUV Certification*



UVC STERILISATION

Haier's UVC generator has received a Certificate of Inactivation on the Novel Coronavirus, from leading Texcell S.A, an independent viral testing laboratory in France.

The global research organisation, concluded that the Haier UVC generator inhibits **99.998%** of Novel Coronavirus (SARS-CoV-2) within their sealed test facilities.

The test was conducted in a 45L enclosed box in laboratory conditions, where the Haier UVC GENERATOR effectively inhibited SARS-CoV-2, with an efficiency up to **99.998% in 1 hour.**



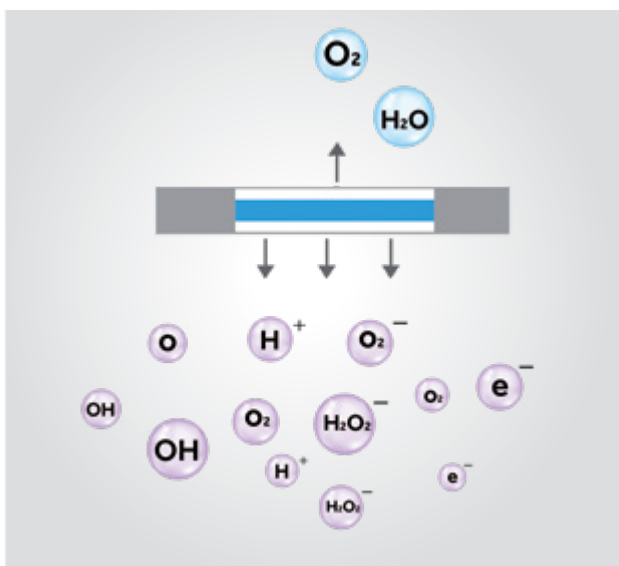
TEXCELL Certification*



UVC PRO

UVC Pro is a technology that works in the UV ray spectre and, in particular, in two wavelengths:

- **UVC rays** inhibit bacteria and virus present in the airflow that goes through the rays generated by the lamp.
- **Vacuum UV** rays generate hydroxyl radicals that release into the environment improving the efficiency of airborne virus and bacteria inhibition.



BENEFIT

Powerful air purification

Doubles the efficiency in air purification with UVC rays and the hydroxyl radicals generated through photolysis. Furthermore, no substance is released into the air making it environmentally conscious.

Easy to activate and manage

This function is available through the hOn APP and can be activated with a simple touch.

The UV Vacuum ray absorption induces the osmose and the following ionization of the water molecules. Several studies show that the irradiation of the water molecule with a lamp that has a wavelength of 185nm causes a quick elimination of the microscopic organisms, caused by the decomposition of the organic molecules present in the environment.



ULTIMATE COMFORT

As 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 air conditioner to reach desired temperature much quicker, and maintain it precisely. It delivers faster, and more comfortable cooling performance. With innovative Triple Airflow, we utilise unique dual-blade air deflector that generates 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.



Hyper PCB



Anti-Corrosion



Inverter PLUS



Coanda Plus



I Feel



Silence

COANDA PLUS AIRFLOW

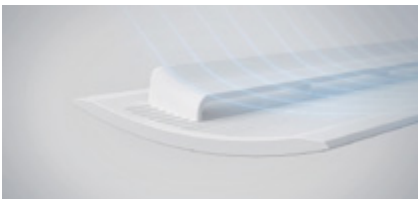


Coanda Plus Airflow enables the air to flow further, faster and strong for even air distribution through out the room.

TECHNOLOGY

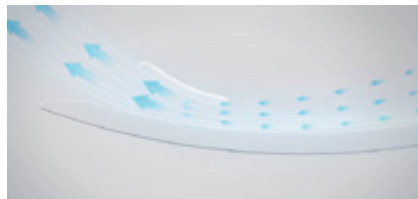
The Coanda plus airflow, made up of 3 parts under micro-perspective, delivers air in a more intuitive way, and forms the all-space circulation.

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 up



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.

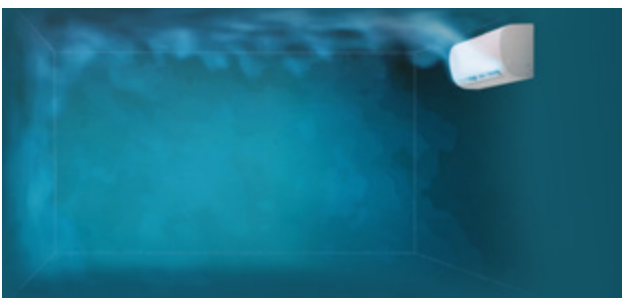
Supplemented Airflow



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 more stronger.

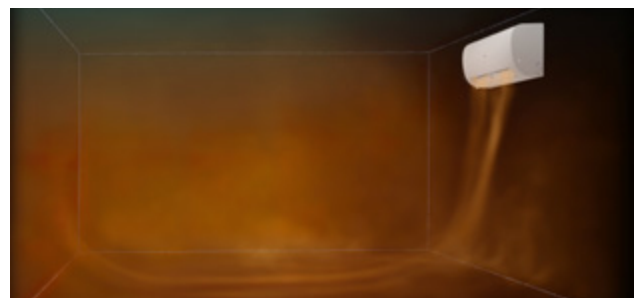
BENEFIT

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 more faster and more comfortable way.

Venturi Effect



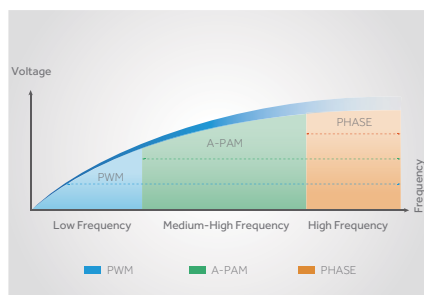
When the heating mode is turned on, the warm air is delivered directly to cover the floor. And then the warm air circulates to the whole space, and ensures the temperature is balanced at every corner of your room.

INVERTER PLUS



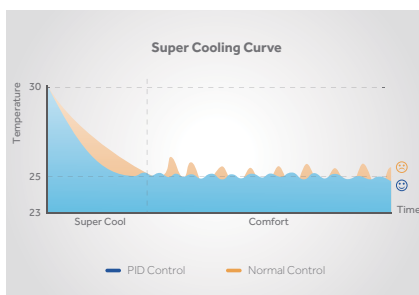
Compared to conventional inverter technology, Haier Inverter Plus integrates the TLFM, PID and A-PAM inverter controls to achieve intelligent control of the air conditioner, and at the same time provide maximum comfort, reliability and highly efficient performance.

TECHNOLOGY



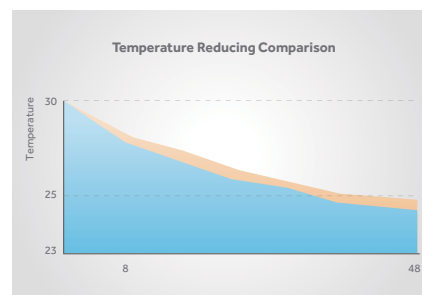
TLFM Inverter Control

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 temperature at the desired temperature.



A-PAM Inverter Control

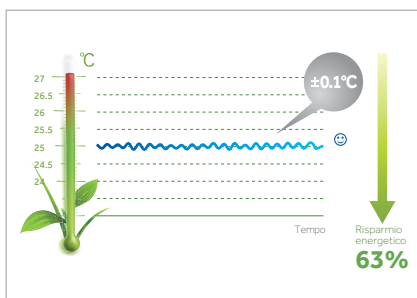
The A-PAM (Adoption-Pulse Amplitude Modulation) inverter control technology automatically adjusts the voltage of the DC bus based on the compressor load, increasing the range of operating voltage.

BENEFIT



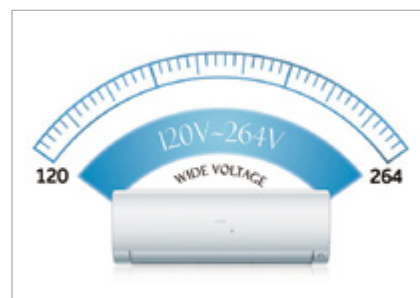
Energy saving Performance

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 $\pm 0.1^{\circ}\text{C}$ thanks to a precise temperature control.



Reliability

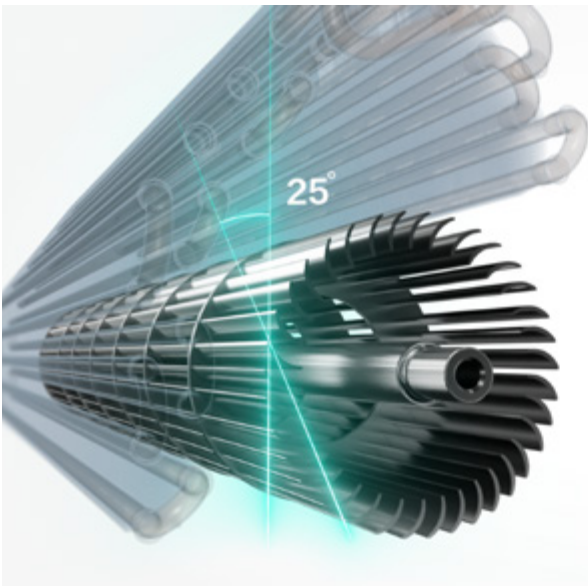
Inverter Plus adjusts the CC voltage by achieving stable operation between 120V-264V and ideal voltage control. The fresh air is able to reach even the most distant points of the room despite the current changes.

LOW NOISE LEVEL



Have you ever been disturbed by the constant hum of an air conditioner during the day or night? In most instances having a powerful air conditioning system simply isn't enough. Power as well as comfort, and quiet operation matters whilst enjoying your free time. With a noise level of 15 dB(A) you can have it all.*

TECHNOLOGY



Optimised design of air ducts

The surface of the suction grill has been increased by 17%. The space between the evaporator, the front panel and the suction grille 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.

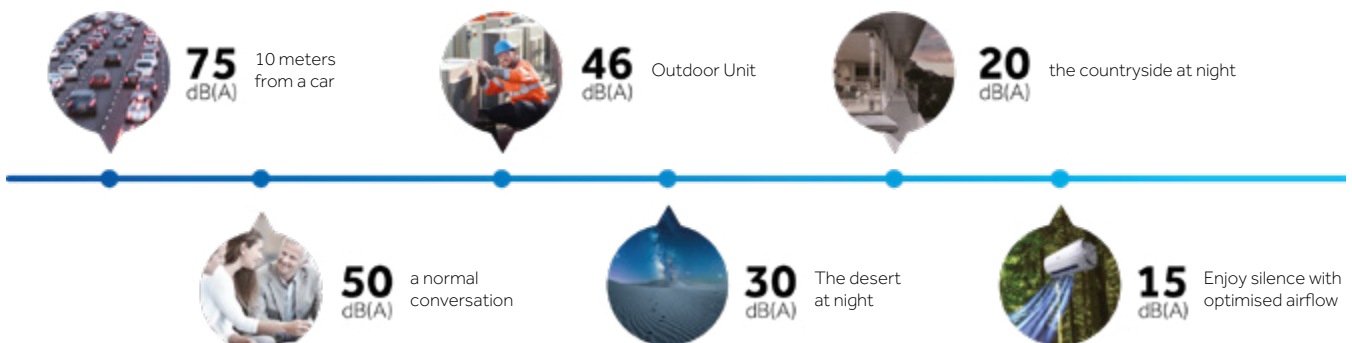
Electronic control system

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

Fresh air with a low level of noise

A noise level of only 15dB(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: 15 dB(A) refers to the 9000 BTU model of the Jade series.)

*(Source: Data tested on 9000 BTU models of the Jade series)

HYPER PCB



Provides consistent, powerful cooling with optimised design to cope with voltage fluctuations and unexpected damages that may lead to malfunction of the air conditioner.

TECHNOLOGY

Thicker Conformal Coating

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

FR-4 Material

The property of FR-4 material is flame-resistant and excelled in retaining its high mechanical values and electrical insulating qualities in both dry and humid conditions.

Compact Design

The design is smaller and takes less space than the conventional. It minimizes its influences to heat exchange efficiency of the condenser, and gives larger room to other components.



Smart Power Module

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

BENEFIT



More Stable

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

More Durable

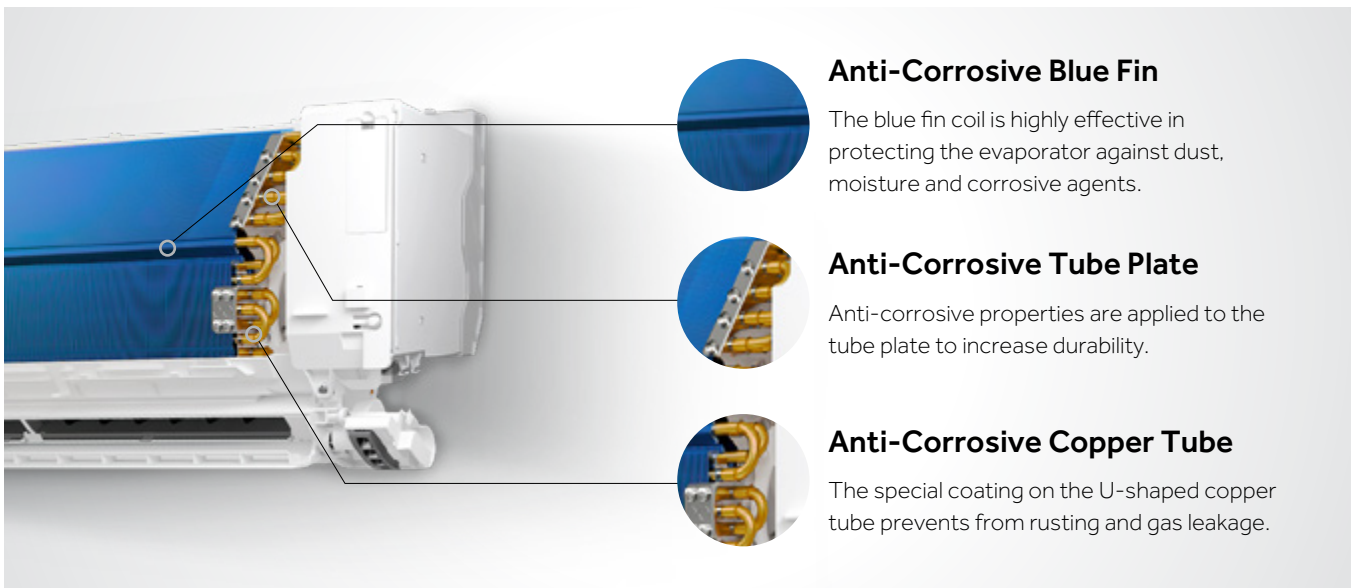
Special design and better conformal coating protect its components against various elements that reduce its lifespan.

ANTI-CORROSION



Protects the air conditioner from possible damaging caused by harsh environment in costal regions where the air is high in humidity, salt, chemicals and acid, to enhance the reliability and air conditioning performance.

TECHNOLOGY



BENEFIT



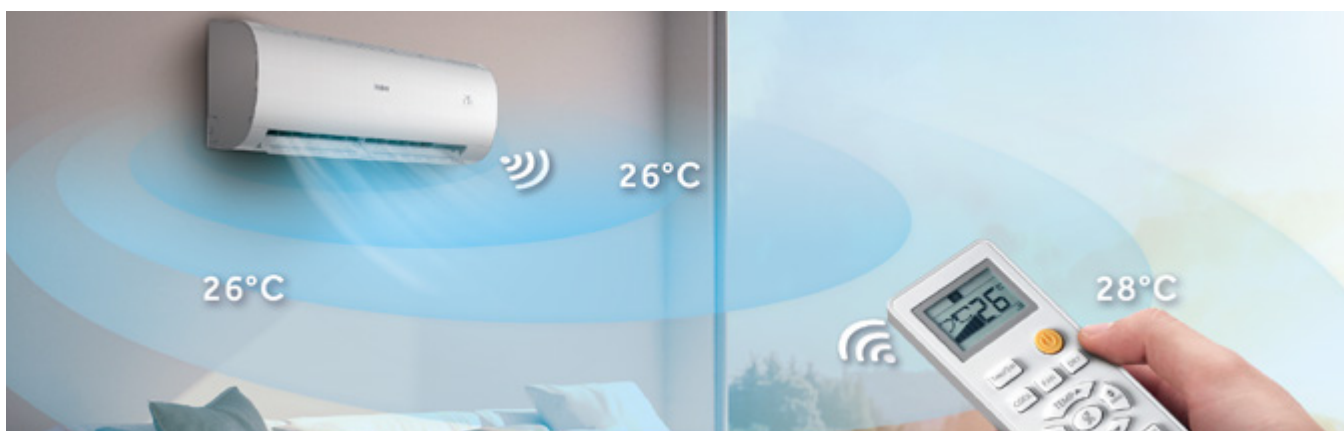
More Durable

The anti-corrosive design increases the durability of the AC, and saves our money from sending for service technicians.

More Reliable

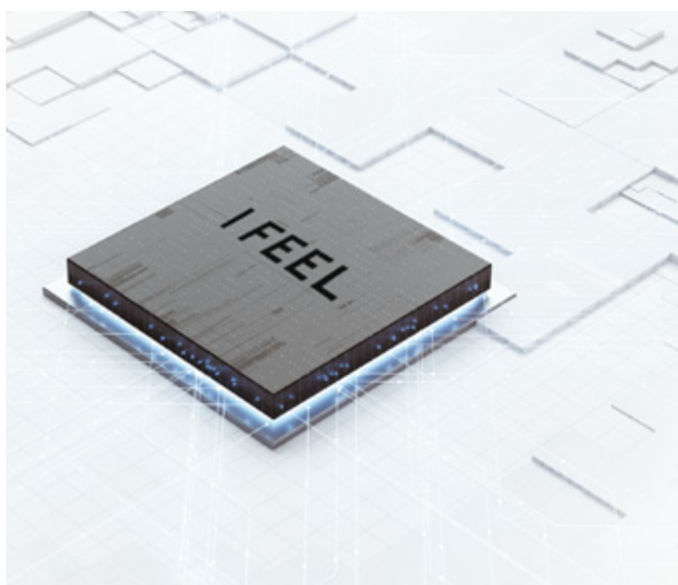
The anti-corrosive design prevents the copper tube damaging and gas leakage, to ensure the best air conditioning performance.

I FEEL



Detects the temperature around you with the remote controller no matter where you are in the room. So the air conditioner will optimise its operation based on the information to provide better air conditioning experience.

TECHNOLOGY



The performance of 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 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 best temperature that you need.



ULTIMATE FIT

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.



Easy Installation



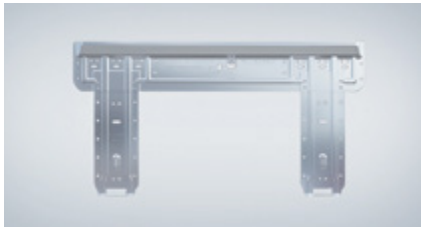
Easy to
Disassemble

EASY INSTALLATION



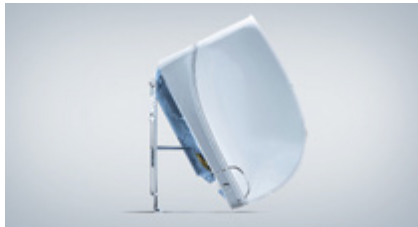
TECHNOLOGY

Positioning specifications



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

Easy clip (larger tubing space)



Facilitates installation with a larger workspace.

Easily accessible control panel



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

More spacing 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

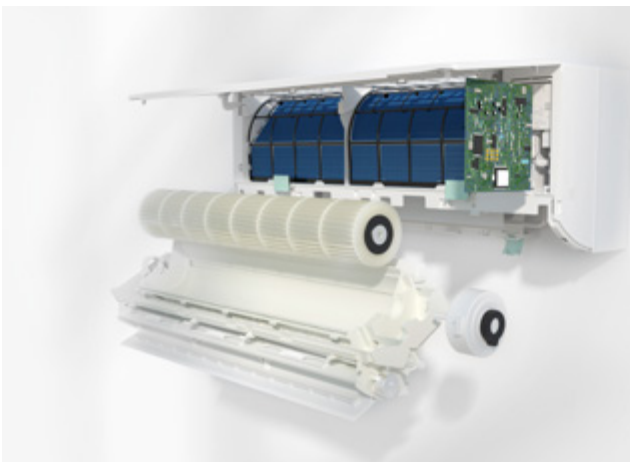


Allows the installer to connect pipes and cables without the aid of a screwdriver.

EASY-TO-DISASSEMBLE



TECHNOLOGY



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 PCtB disassembly



90% faster motor disassembly



95% faster fan disassembly

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 56°C high temperature for 30 minutes.
	Self-Hygiene	There are silver nanoparticles on the main components through which the air passes, this inhibits bacterial growth.
	Easy to Clean	Marks another monumental step in the upgrade of healthy air innovations that ensures clean airflow out of air conditioner by allowing you to easily take out fan and filter for deep cleaning.
	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 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.
	Precise Dehumidification	Keeps the air humidity at the ideal level while ensuring clean and comfortable air.
	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, virus and bacteria to provide 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.
	Voice control	Hands-free voice control feature for Google Assistant-compatible with Haier smart air conditioners.
	Eco Sensor	The air conditioner will detect the intensity of the light, the movement of people and level of activity. It will then automatically adjusting the cooling enabling the reduction of energy consumption.

ULTIMATE COMFORT

	Silence	A low level of noise ensures peace of mind thanks to the optimised design of the fan, air ducts and motor.
	3D	The continuous movement of vertical and horizontal deflectors directs air flow to any point in the room.
	Intelligent Air	This feature automatically orients deflectors to better distribute the flow according to the mode you have set.
	Sleep	Provides maximum comfort and energy savings in order to sleep without worries.
	Turbo Cooling	The special control program allows the motor to work at a higher frequency and enables a cooler environment in a much shorter time.
	Warm Start	When the device starts operating in heating mode or switches from cooling to heating mode, it does not emit cold air.
	I Feel	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.
	-15°C Heating	Provides optimal thermal performance during the winter thanks to the rotary compressor.
	-30°C Heating	This special feature allows an optimal performance at extreme temperatures.

FUNCTION GUIDE

	-10°C Cooling	Works at low room temperature thanks to the high-frequency rotary compressor, optimised refrigerant system and special defrosting program.
	-15°C Cooling	Works at low room temperature thanks to the high-frequency rotary compressor, optimised refrigerant system and special defrosting program.
	COANDA PLUS	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.
	Long Distance Airflow	The indoor unit has been improved thanks to a special motor, fan and optimised air ducts, thus reaching up to 20 meters of range.
	0.5°C Temperature Control	Allows the user to adjust the temperature in half a degree steps for more precise comfort and greater energy savings.
	DC Motor	Ensures reliable operation with greater energy savings and a reduced level of noise.
	3-Minute Protection	Helps to prevent unexpected damage to the compressor, thus ensuring a longer life.
	Auto Defrost	Only activated when needed to reduce energy waste and ensures a better experience by reducing defrosting time.
	Dry	Automatically adjusts the fan speed based on the temperature detected for more or less intense dehumidification.
	5 Speed Fan	Works at very high/high/medium/low/very low speeds to give users more choice in airflow control.
	Double Deflector Horizontal	Provides an airflow in multiple directions to improve the user experience.
	Auto Vertical Flow	Moves vertically and works with horizontal fins to get an airflow at various angles.
	7 speed OU	Performs adjustments based on ambient sensor control and pipe sensor to optimise thermal exchange performance and improve energy efficiency.
	PID	Optimises the operating frequency before reaching the desired temperature and then constantly makes real-time adjustments to keep the ambient air temperature at the desired temperature.
	Auto Mode	Automatically adjust the cooling or heating function of the air conditioner based on the desired temperature and room temperature.

ULTIMATE FIT

	Easy Clip	Facilitates installation with a larger workspace that simplifies assembly and maintenance.
	Removable bottom panel	Allows the installer to connect pipes and cables without the aid of a screwdriver.
	Self Diagnosis	Shows the error code on the LED display of the indoor unit, facilitating maintenance operations.
	Auto Restart	Resets the air conditioner to its previous settings after a sudden power outage.
	Supermatch	100% possibility of combinations of indoor and outdoor units, providing maximum flexibility of solutions.
	Display Led	Clearly shows the room temperature in real time or the desired temperature on the panel.
	Easy Maintenance	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.
	Covers-taps	Protects both electric clamps and globe valves, improving the aesthetics of the air conditioner.
	Low Wat Standby	Reduces stand-by consumption from 8W to 1W by optimising the control program.
	10°C vacation mode	It is activated when the ambient temperature drops below 10 °C to protect pipes during the winter period, unoccupied vacation homes, garages and basements.

Residential MonoSplit Inverter **TUNDRA PLUS**



AS25 - AS35



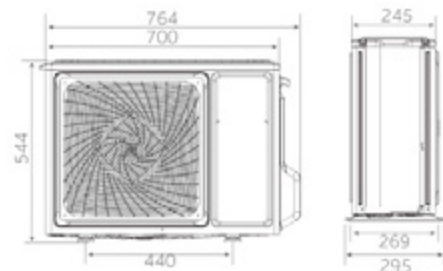
AS50



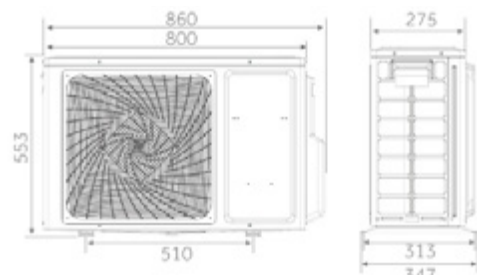
AS68



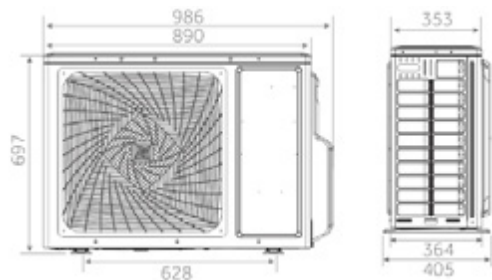
1U25



1U35 - 1U50



1U68



2,5 kW

3,5 kW

5,0 kW

6,8 kW

Residential MonoSplit Inverter

TUNDRA PLUS

Haier

2,5 kW

3,5 kW

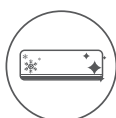
5,0 kW

6,8 kW

MONOSPLIT RESIDENTIAL



Standard YR-HE



Self Clean



-15°C Heating



Wi-Fi control integrated



On-Off Card



Silence



Sleep



Intelligent Air

- Self-Clean
- -15°C Heating
- Wi-Fi control integrated
- On - Off Card
- Low noise level
- Comfortable Sleep
- Intelligent Air

INDOOR UNIT	Model		AS25TAEHRA-CLC	AS35TADHRA-CLC	AS50TDDHRA-CLC	AS68TEDHRA-CLC
OUTDOOR UNIT	Model		1U25YEFFRA-1	1U35MEEFRA-1	1U50MEGFRA	1U68REEFRA
Performance data						
Output power - COOLING	nom (min-max)	kW	2,60 (0,80-3,40)	3,60 (1,00-4,00)	5,00 (1,30-5,80)	7,00 (2,20-8,50)
Output power - HEATING	nom (min-max)	kW	2,90 (1,00-3,80)	3,70 (1,10-4,60)	5,20 (1,40-6,00)	8,10 (2,40-10,00)
Absorbed power – COOLING	nom (min-max)	kW	0,804 (0,30-1,20)	1,114 (0,30-1,50)	1,466 (0,40-2,00)	2,167 (0,70-2,90)
Absorbed power – HEATING	nom (min-max)	kW	0,781 (0,30-1,40)	0,997 (0,40-1,50)	1,400 (0,52-2,50)	2,183 (0,70-2,90)
Energy class	EER	W/W	3.23	3.23	3.41	3.23
	COP	W/W	3.71	3.71	3.71	3.71
COOLING Pdesign	35 °C	kW	2,60	3,60	5,00	7,00
HEATING Pdesign	(-10 °C)	kW	2,40	3,20	4,60	5,60
Energy class	SEER		6,20 (A++)	6,40 (A++)	6,10 (A++)	7,10 (A++)
	SCOP		4,10 (A+)	4,10 (A+)	4,00 (A+)	4,00 (A+)
Annual Energy Consumption - COOLING		kWh/a	147	197	287	350
Annual Energy Consumption - HEATING		kWh/a	819	1092	1610	1963
Indoor Unit						
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Treated air volume	H	m3/h	500	550	900	1200
Dehumidification		L/h	1.2	1.6	2,0	2.8
High sound power - COOLING		dB	53	55	57	60
High sound power - HEATING		dB	53	55	57	60
Sound pressure - COOLING		dB(A)	37/32/28/20	38/33/29/21	44/40/35/28	47/43/37/30
Sound pressure - HEATING		dB(A)	37/32/28/20	38/33/29/21	44/40/35/28	47/43/37/30
Net dimensions	WxDxH	mm	820x195x280	820x195x280	1008x225x318	1125x240x335
Packaging dimensions	WxDxH	mm	909x279x355	909x279x355	1085x329x403	1206x342x418
Net/gross weight		kg	8,4/10,5	8,4/10,5	11,6/14,4	14,0/17,5
Outdoor Unit						
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Power cable		N x mm2	3 x 1,0	3 x 1,5	3 x 2,5	3 x 2,5
Interconnection cable		N x mm2	4 x 1,0	4 x 1,0	4 x 1,0	4 x 1,0
Sound power	H	dB	62	63	65	65
Sound pressure	H	dB(A)	47	48	53	52
Running current cooling/heating	Max	A	6,2/6,2	6,7/6,7	11,3/11,3	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
Net dimensions	WxDxH	mm	700x245x544	800x275x553	800x275x553	890x353x697
Packaging dimensions	WxDxH	mm	845x320x593	908x405x625	908x405x625	1046x460x780
Net/gross weight		kg	22,7/25,2	27,0/30,3	32,7/36,5	47,3/52,3
Compressor type			Rotary inverter	Rotary inverter	Rotary inverter	Rotary inverter
Installation data						
Refrigerant			R32	R32	R32	R32
Liquid pipe	Ø	mm (inch)	6,35 (1/4)	6,35 (1/4)	6,35 (1/4)	6,35 (1/4)
Gas pipe	Ø	mm (inch)	9,52 (3/8)	9,52 (3/8)	12,70 (3/8)	12,70 (1/2)
Standard pipe length without refrigerant charge		m	5	5	7	7
Maximum pipe length		m	20	20	25	25
Maximum IU - OU elevation		m	10	10	15	15
Refrigerant charge in the factory		kg	0.55	0.62	0.90	1.20
Refrigerant charge in the factory		TCO2eq	0.37	0.42	0.61	0.81
Additional ref. charge over std length		g/m	20	20	20	20
Operating limits - COOLING (in/out)		min-max °C	21~35°C/-10-43°C			
Operating limits - HEATING (in/out)		min-max °C	10~27°C/-15~24°C			