

Haier
air conditioners

**Everything
you need
from
an Expert.**

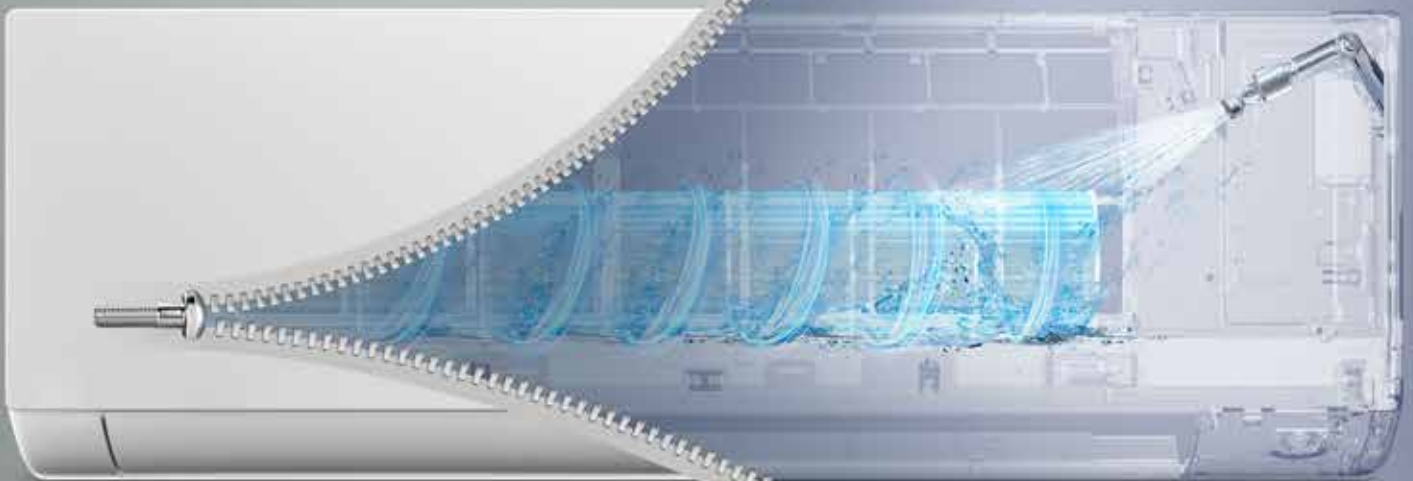


The new **Expert** range
of Air Conditioners.



haierhvac.eu

The new **EXPERT** Air Conditioning range.



Easy maintenance, offering **single screw removal** for **quick disassembly** and complete cleaning.

EXPERT Air Conditioning range offers excellent efficiencies of A+++/A++ and is available in 2.5kW, 3.5kW and 5kW's. Packed with special features such as the New **UVC Pro**, Eco Sensor and Easy to Disassemble & Clean, its everything you need from an **EXPERT!**

Air has never been so clean or stylish

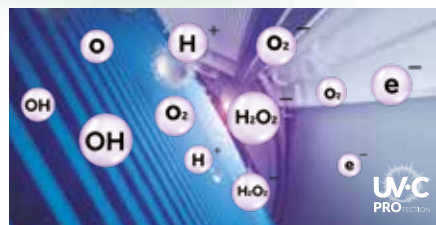


HEALTHY AIR



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 hydron and oxygen molecules and generates ionic group which inhibits bacteria and sterilises virus after contact.



EASY CLEANING

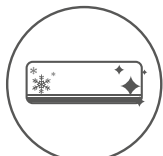
Thanks to the easy disassembly of components it is possible to carry out a more thorough clean of the internal surfaces, therefore ensuring the healthiest air comes out of the air conditioner.

Texcell

The **Expert** comes with premium features



UVC Pro



Self Clean



Eco Sensor



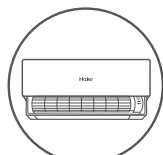
I Feel



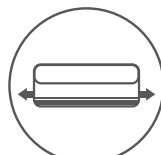
Coanda Plus



Wi-Fi control
integrated



Easy to
Disassemble



2-Way
Piping Design



Easy Installation

CLEAN AIR



SELF-CLEAN

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

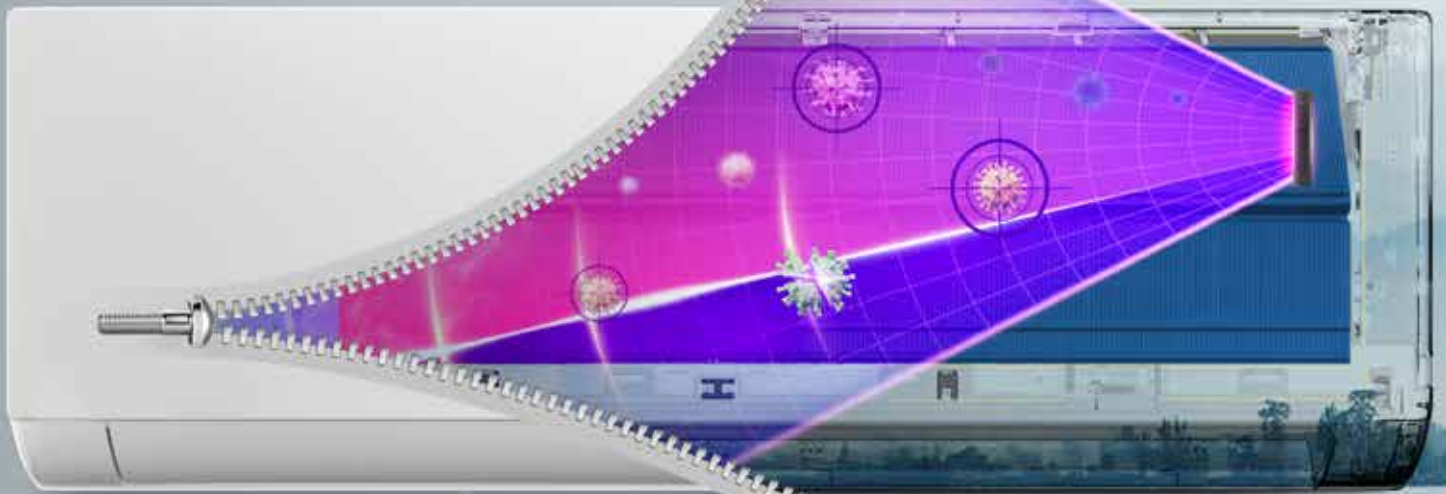


56°C STERI-CLEAN

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



The new **UVC Pro**.
Industry leading,
healthy air.



Exclusively available on the **EXPERT**
is the new **UVC Pro** sterilisation function.

The **UVC Pro** generates plasma to aid sterilisation for a healthier, cleaner, room air environment. The UVC 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.

The new **UVC Pro** has been independently tested by Texcell to inhibit SARS-CoV-2 at the unit to 99.991% effectiveness. It is also fast acting and tested to achieve 85.208% effectiveness in a room space of 6.7m³ in only four hours.

ULTIMATE HEALTH

UVC PRO STERILISATION

The range includes for the first time the new UVC Pro module which generates plasma to aid sterilisation for a healthier, cleaner, room air environment. The new UVC Pro has been independently tested by Texcell to inhibit SARS-CoV-2 at the unit to 99.991% effectiveness. The UVC Pro is also fast acting and was tested to achieve 85.208% effectiveness in a room space of 6.7m³ in only four hours.



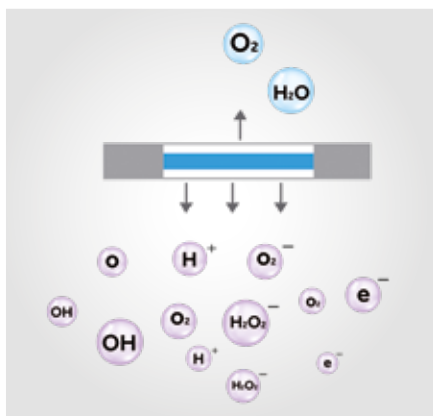
How it works

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

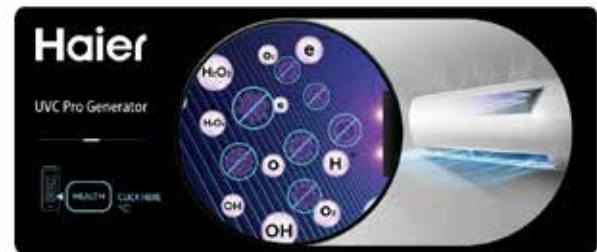
- UVC rays that inhibit bacteria and virus present in the airflow that goes through the rays generated by the lamp.
- Vacuum UV rays that generate hydroxyl radicals that release into the environment improving the efficiency of airborne virus and bacteria inhibition.

Powerful air purification

Double efficiency in the air purification with UVC rays and the hydroxyl radicals generated through photolysis. Furthermore, no substance is released into the air, so this technology is environmentally conscious.



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



Easy to activate and manage

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



ULTIMATE HEALTH

56°C STERI-CLEAN

Smart frequency control intelligently adjusts the compressor frequency to control the coil temperature and then maintains the evaporator at 56°C high temperature. Based on latest research almost no bacteria and virus can survive at 56°C for 30+ minutes. Once the heating process is done, the evaporator is cooled down instantly to achieve better Sterilisation performance.



Delivering Healthier Air

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



Easy-to-Operate

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

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.



ULTIMATE SMART

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.

BENEFIT

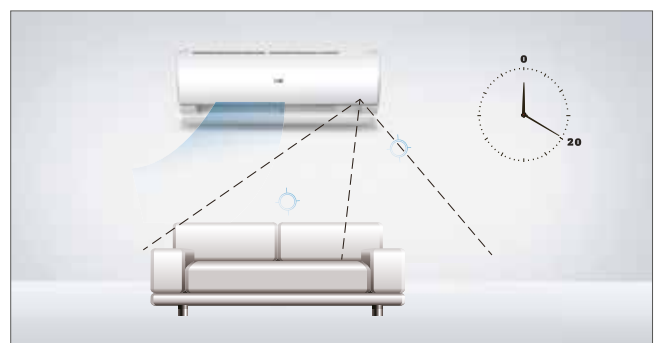
Increased Comfort

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.



18dB(A)

Whispering Air

Have you ever been disturbed by the constant hum of an air conditioner during the day or night? On warm summer nights or on a quiet evening? Sometimes a powerful air conditioning system is simply not enough. For your peace of mind, silence also matters. With a noise level of 16 dB (A) (2.5kW) you can have both.



Inverter Plus

Compared to conventional inverter technology, Haier Inverter Plus integrates the inverter's TLFM, PID and A-PAM controls to get intelligent control of the Pearl air conditioner while achieving maximum comfort, reliability and highly efficient performance.

ULTIMATE SMART

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.

CUSTOMISED SERVICE

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



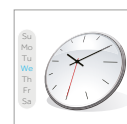
Group Control

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.

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.



EASY DISASSEMBLY

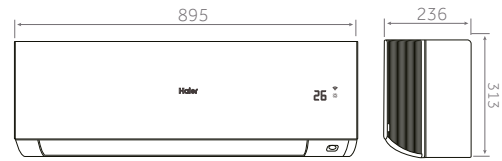
The indoor unit is designed to allow quick and thorough cleaning of the air conditioner's internal components and simplify disassembly of the main components such as the electronic board, motor and fan. Deep cleaning ensures that bacteria, dust and removal of bacteria, dust and mould that are deposited inside the unit over time and during use.



Easy maintenance, offering **single screw removal** for **quick disassembly** and complete cleaning.



AS25 - AS30 - AS50

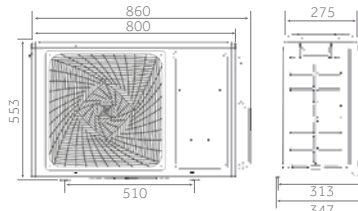


kW 2.5

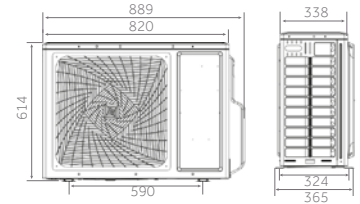
kW 3.5

kW 5.0

1U25 - 1U35



1U50



Technical Specifications

INDOOR UNIT		Model	AS25XCAHRA	AS35XCAHRA	AS50XCAHRA
OUTDOOR UNIT		Model	1U25S2SM1FA-2	1U35S2SM1FA-2	1U50S2SJ2FA
Performance data					
Output power - COOLING	(nom (min-max	kW	(0,80-3,20) 2,80	(1,00-4,00) 3,50	(1,40-5,50) 5,00
Output power - HEATING	(nom (min-max	kW	(0,80-4,20) 3,20	(1,00-5,20) 4,20	(1,70-6,20) 5,60
Absorbed power - COOLING	(nom (min-max	kW	(0,20-1,20) 0,651	(0,30-1,40) 0,875	(0,50-2,00) 1,470
Absorbed power - HEATING	(nom (min-max	kW	(0,30-1,50) 0,761	(0,50-1,60) 1,037	(0,52-2,30) 1,509
Energy class	EER	W/W	4,30	4,00	3,40
	COP	W/W	4,20	4,05	3,71
COOLING Pdesign	C° 35	kW	2,80	3,50	5,00
HEATING Pdesign	(C° -10)	kW	2,50	2,80	4,60
Energy class	SEER		(+++A) 8,80	(+++A) 8,50	(++A) 6,60
	SCOP		(++A) 4,75	(++A) 4,75	(+A) 4,30
Annual Energy Consumption - COOLING		kWh/a	111	144	265
Annual Energy Consumption - HEATING		kWh/a	737	825	1498
Indoor Unit					
Power supply		Ph/V/Hz	240/50-1/220	240/50-1/220	1/220-240/50
Treated air volume	H	m ³ /h	730	800	880
Dehumidification		L/h	1,2	1,6	2,0
High sound power - COOLING		dB	56	57	60
High sound power - HEATING		dB	56	57	60
Sound pressure - COOLING		(dB(A	39/32/25/16	40/33/26/17	45/37/29/20
Sound pressure - HEATING		(dB(A	39/32/25/16	40/33/26/17	45/37/29/20
Net dimensions	WxDxH	mm	895x313x236	895x313x236	895x313x236
Packaging dimensions	WxDxH	mm	964x386x316	964x386x316	964x386x316
Net/gross weight		kg	11,3/14,0	11,3/14,0	11,6/14,2
Outdoor Unit					
Power supply		Ph/V/Hz	240/50-1/220	240/50-1/220	1/220-240/50
Power cable		N x mm ²	x 1,5 3	x 1,5 3	x 2,5 3
Interconnection cable		N x mm ²	x 1,0 4	x 1,0 4	x 1,0 4
Sound power	H	dB	59	61	63
Sound pressure	H	(dB(A	48	49	51
Running current cooling/heating	Max	A	6,8/6,8	7,2/7,2	10,3/10,3
Starting current cooling/heating	Max	A	1,5/1,5	1,5/1,5	2,0/2,0
Net dimensions	WxDxH	mm	800x275x553	800x275x553	820x338x614
Packaging dimensions	WxDxH	mm	908x405x625	908x405x625	993x413x685
Net/gross weight		kg	27,6/30,4	30/32,9	37,8/41,5
Compressor type			Rotary Inverter	Rotary Inverter	Twin rotary inverter
Installation data					
Refrigerant			R32	R32	R32
Liquid pipe	Ø	(mm (inch	(1/4) 6,35	(1/4) 6,35	(1/4) 6,35
Gas pipe	Ø	(mm (inch	(3/8) 9,52	(3/8) 9,52	(1/2) 12,70
Standard pipe length without refrigerant charge		m	7	7	7
Maximum pipe length		m	20	20	25
Maximum IU - OU elevation		m	10	10	15
Refrigerant charge in the factory		kg	0,63	0,78	0,95
Refrigerant charge in the factory		TCO2eq	0,43	0,53	0,64
Additional ref. charge over std length		g/m	20	20	20
(Operating limits - COOLING (in/out	min-max	C°	35°C/-20-43°C-21		
(Operating limits - HEATING (in/out	min-max	C°	27°C/-20-24°C-10		

