

Haier

HVAC Solutions

PEARL

Elegantly simple with a beautiful Matt White finish & fitted with the latest in energy efficiency & air cleaning features.



PEARL



The new range of Pearl Air Conditioning from Haier raises the standard for comfort cooling, heating and air cleaning.

The Range offers greater protection than ever before against airborne health hazards with built in UV sterilisation for Virus inhibiting along with Self Clean and 56°C sterilisation for Bacteria killing.

Fitted with built in Wi-Fi this system gives you total control and 100% peace of mind.

Smart Healthy Air from Haier



UVC Sterilisation



Steri-Clean



Coanda Plus
Airflow



Self-Clean



Silence

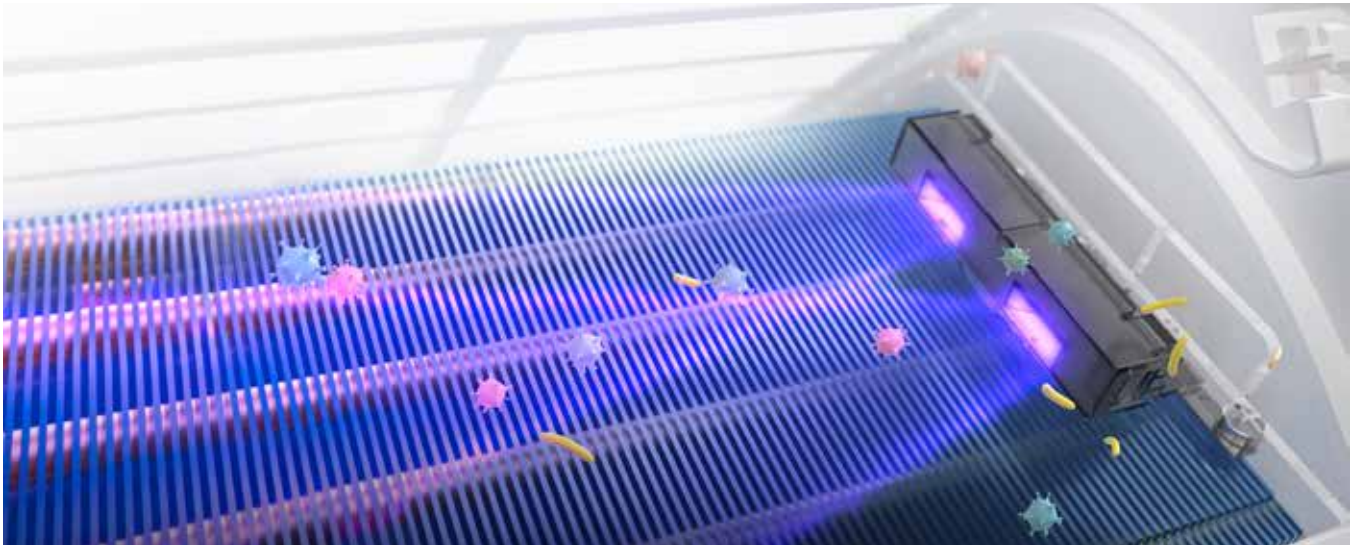


Wi-Fi



Easy installation

Ultimate Health



UVC Sterilisation

The ultraviolet from the sunlight contains three types: UVA, UVB and UVC. The third one is the shorter, more energetic wavelength of the spectrum ranging from 200-280nm, which is particularly efficient in destroying genetic material.

The built-in LED UV lights emit rays near the air inlet from the right to the left when the function is turned on. The room air circulates into the air conditioner from air inlet, and passes through the area where air circulation are directly exposed to UVC rays and the airborne hazards is instantly killed, ensuring healthy air is delivered to your room.

Texcell Certification

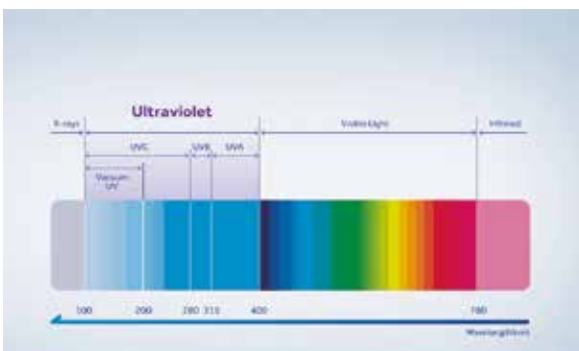
Haier's UVC generator has received a Certificate of Inactivation on the Novel Coronavirus, from leading Texcell S.A, an independent viral testing laboratory in France. The global research organisation, concluded that the **Haier UVC generator inactivates 99.998%** of Novel Coronavirus (SARS-CoV-2) within 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.**



Efficient Sterilisation

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



Safe, Reliable Operation

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



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 Comfort

Coanda Plus Airflow



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

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+ | 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

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 18 dB (A) you can have both.

| EASY INSTALLATION

Installation is extremely simple. This allows the installer to work more effectively by performing a quick and safe assembly, reducing installation times.



Ultimate Smart

Integrated Wi-Fi



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.

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 spp from the App Store, Google Play and Huawei AppGallery. You can also use the QR Code here to locate the app.



Functionality you can enjoy with the new hOn app

Centralised control of all Smart Home devices

You can control all Haier-branded Smart Home appliances with a single app, including Haier, Candy, Hoover and Rosières.

Voice control

Using voice prompts, you can set the operating modes, adjust the temperature and ventilation speed, communicate the status of the of the air conditioner, activate a programme and set to silent mode.

Management of all basic functions

All basic functions such as ignition, programs, ventilation, etc. can be managed via the app.

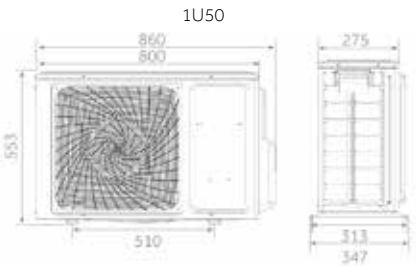
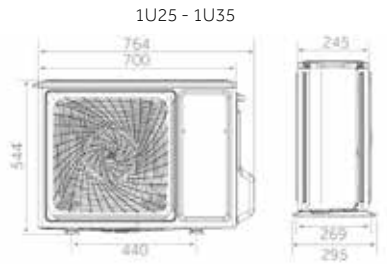
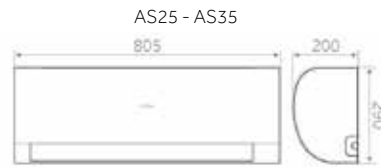
Management of purification functions

The hOn App can be used to activate and deactivate purification functions such as UV-C Lamp, Nano-Water, Self-Clean and Steri-Clean 56°C.

Scheduling management and practical advice

Through hOn you can schedule when your air conditioner is to start up or switch off. The app also have many useful tips on how to use your air conditioner.





Technical Specifications

INDOOR UNIT		Model	AS25PBAHRA	AS35PBAHRA	AS50PAHRA
OUTDOOR UNIT		Model	1U25YEGFRA	1U35YEGFRA	1U50MEGFRA
Performance data					
Output power - COOLING	(nom (min-max)	kW	(3.0 - 0.8) 2.6	(3.6 - 0.8) 3.2	(5.8 - 1.3) 5.0
Output power - HEATING	(nom (min-max)	kW	(3.2 - 0.8) 2.8	(4.2 - 0.8) 3.4	(6.0 - 1.4) 5.2
Absorbed power - COOLING	(nom (min-max)	kW	(1.2 - 0.3) 0.80	(1.6 - 0.3) 0.99	(2.0 - 0.4) 1.55
Absorbed power - HEATING	(nom (min-max)	kW	(1.4 - 0.3) 0.75	(1.6 - 0.3) 0.92	(2.5 - 0.52) 1.40
Energy class	EER	w/w	3.23	3.23	3.23
	COP	w/w	3.71	3.71	3.71
COOLING Pdesign	C° 35	kW	2.60	3.20	5.00
HEATING Pdesign	(C° -10)	kW	2.40	2.80	4.60
Energy class	SEER		(++) 6.1	(++) 6.1	(++) 6.1
	SCOP		(+) 5.1	(+) 5.1	(+) 5.1
Annual Energy Consumption - COOLING		kWh/a	149	184	287
Annual Energy Consumption - HEATING		kWh/a	840	980	1610
Indoor Unit					
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50
Treated air volume	H	m³/h	550	600	900
Dehumidification		L/h	1.0	1.3	2.0
High sound power - COOLING		dB	54	56	57
High sound power - HEATING		dB	54	56	57
Sound pressure - COOLING		(dB(A	37/32/28/18	37/33/29/19	44/40/35/28
Sound pressure - HEATING		(dB(A	37/32/28/18	37/33/29/19	44/40/35/28
Net dimensions	WxDxH	Mm	805x200x290	805x200x290	975x220x320
Net weight		Kg	8	8	11.6
Outdoor Unit					
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50
Sound power	H	dB	54	56	57
Sound pressure	H	(dB(A	54	56	57
Absorbed current	Max	A	6.2	7.1	11.3
Net dimensions	WxDxH	Mm	700x245x544	700x245x544	800x275x553
Net weight		Kg	22.8	23.5	32.7
Compressor type				Inverter rotary	
Compressor brand				Highly	
Installation data					
Refrigerant			R32	R32	R32
Liquid pipe	Ø	Mm	6.35	6.35	6.35
Gas pipe	Ø	Mm	9.52	9.52	12.7
Standard pipe length without refrigerant charge		M	5	5	5
Maximum pipe length		M	20	20	25
Maximum IU - OU elevation		M	10	10	15
Refrigerant charge in the factory		Kg	0.52	0.53	0.90
CO2 equivalent		tCO2EQ	0.35	0.36	0.61
Additional charge ref. over std length		g/m	20	20	25
Operating limits - COOLING	min-max	C°		(21-35°C (in) / -10-43°C (out	
Operating limits - HEATING	min-max	C°		(10-27°C (in) / -15-24°C (out	



www.haierhvac.eu

