

Haier
HVAC Solutions



EXPERT

Everything you need from an Expert

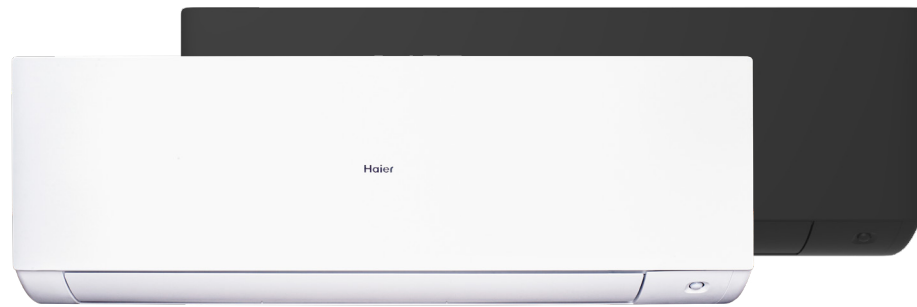
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EXPERT

Residential Mono-Split Inverter

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

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A+++ / A+

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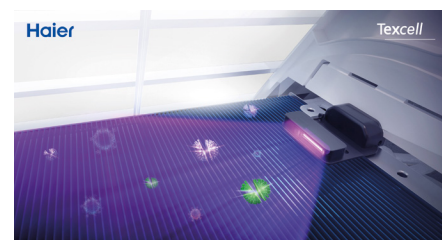
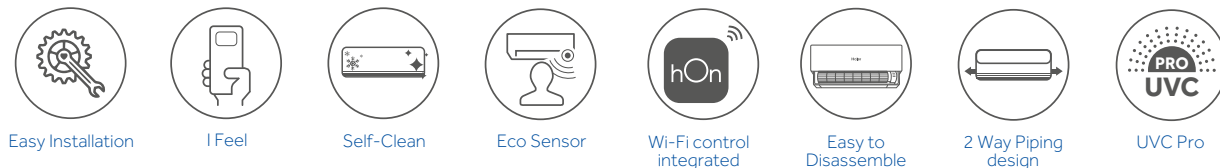
The EXPERT Air Conditioning range is available in 2.5kW - 7.1 kW sizes in a modern matt finish, with energy efficiencies of A+++ / A++. Its packed with great market leading features such as hOn Wi-Fi as standard for complete flexibility, the New UVC Pro sterilisation function which inhibits the SARS CoV-2 virus, Eco Sensor, and much more.

The EXPERT enables simple and easy cleaning of the internal fan where dust and bacteria can build up over time. Our clever design only requires the removal of a single screw to gain full access to the internal components.

Airflow in the room is further enhanced through Coanda Plus & 3D Air Flow technology for even air distribution and comfort.

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.

Features



UVC Pro

The new UVC Pro function inhibits the reproduction of bacteria by breaking down hydrogen and oxygen molecules and generates an ionic group which inhibits bacteria and sterilises viruses after contact.

Independently tested by Texcell, it is fast acting and inhibits SARS-CoV-2. It has been tested to achieve 85.208% efficiency in a 6.7m3 room in just four hours.



Easy Disassembly

The structure of the indoor unit of the air conditioner is optimised. Dismantling is done by removing a single screw, providing access to the main components including the printed circuit, the motor and the fan. Maintenance and cleaning are simpler and easier than ever.

Regular cleaning of the main components is essential to keep the air conditioner clean and providing healthy air.

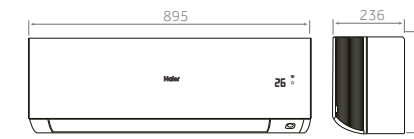
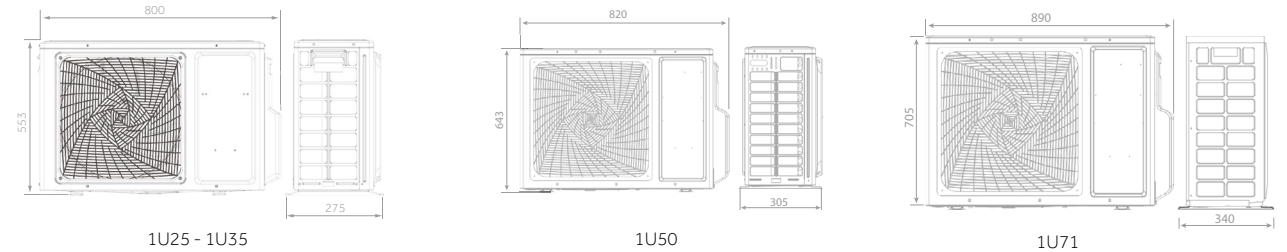


Self-Clean

Our Self-Clean technology is the first of its kind to integrate the self-cleaning function of the evaporator and the condenser. It starts with cleaning the evaporator, then moves on to cleaning the condenser without stopping the compressor.

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

Technical Illustrations



AS25 - AS30 - AS50 - AS71

Outdoor Unit



2,5 kW - 3,5 kW

5,0 kW

7,1 kW

Controller



Standard HR-HJ

INDOOR UNIT WHITE	Model	AS25XCAHRA	AS35XCAHRA	AS50XCAHRA	AS71XCAHRA
INDOOR UNIT BLACK	Model	AS25XCAHRA-MB	AS35XCAHRA-MB	AS50XCAHRA-MB	AS71XCAHRA-MB
OUTDOOR UNIT	Model	1U25S2SM1FA-2	1U35S2SM1FA-2	1U50S2SJ2FA-2	1U71S2ST1FA
Performance data					
Output power - COOLING	nom (min-max) KW	2,80 (0,80-3,20)	3,50 (1,00-4,00)	5,00 (1,40-5,50)	6,20 (2,20 - 7,00)
Output power - HEATING	nom (min-max) KW	3,20 (0,80-4,20)	4,20 (1,00-5,20)	5,60 (1,70-6,20)	6,80 (2,40 - 7,80)
Absorbed power - COOLING	nom (min-max) KW	0,651 (0,20-1,20)	0,875 (0,30-1,40)	1,470 (0,50-2,00)	1,92 (0,70 - 2,60)
Absorbed power - HEATING	nom (min-max) KW	0,761 (0,30-1,50)	1,037 (0,50-1,60)	1,509 (0,52-2,30)	1,83 (0,60 - 2,90)
Energy Class	EER W/W	4,30	4,00	4,00	3,23
	COP W/W	4,20	4,05	4,00	3,71
COOLING Pdesign	35 °C KW	2,80	3,50	5,00	6,20
HEATING Pdesign	(-10 °C) KW	2,50	2,80	4,60	5,60
Energy Class	SEER	8,80 (A+++)	8,50 (A+++)	6,60 (A++)	6,80 (A++)
	SCOP	4,75 (A++)	4,75 (A++)	4,60 (A++)	4,00 (A+)
Annual Energy Consumption - COOLING	kWh/a	111	144	265	320
Annual Energy Consumption - HEATING	kWh/a	737	825	1400	1960
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	m3/h	730	800	880	920
Dehumidification	L/h	1,2	1,6	2,0	2,8
High sound power - COOLING	dB	56	57	60	65
High sound power - HEATING	dB	56	57	60	65
Sound pressure - COOLING	dB(A)	39/32/25/16	40/33/26/17	45/37/29/20	47/45/37/29
Sound pressure - HEATING	dB(A)	39/32/25/16	40/33/26/17	45/37/29/20	47/45/37/29
Net dimensions	WxDxH mm	895x236x313	895x236x313	895x236x313	895x236x313
Packaging dimensions	WxDxH mm	964x386x316	964x386x316	964x386x316	964x386x316
Net/gross weight	kg	11,3/14,0	11,3/14,0	11,6/14,2	12,4/14,8
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 1,5	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	dB	59	63	63	68
Sound pressure	dB(A)	48	49	50	53
Running current cooling/heating	Max A	6,8/6,8	7,2/7,2	10,68/10,68	11,8/13
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	800 x 275 x 553	800 x 275 x 553	820 x 305 x 643	890 x 340 x 705
Packaging dimensions	WxDxH mm	902 x 375 x 607	902 x 375 x 607	940 x 390 x 697	1046 x 460 x 780
Net/gross weight	kg	27,6/30,4	30/32,9	35,7/38,5	44/48
Compressor type		Rotary Inverter	Rotary Inverter	Twin Rotary Inverter	Twin 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)	9,52 (3/8)
Gas pipe	Ø mm (inch)	9,52 (3/8)	9,52 (3/8)	12,70 (1/2)	15,88 (5/8)
Standard pipe length without refrigerant charge	m	7	7	7	7
Maximum pipe length	m	20	20	25	50
Maximum IU - OU elevation	m	10	10	15	30
Refrigerant charge in the factory	kg	0,63	0,78	1,10	1,23
Refrigerant charge in the factory	TCO2eq	0,43	0,53	0,74	0,83
Additional ref. charge over std length	g/m	20	20	20	45
Operating limits - COOLING (in/out)	min-max °C	21-35°C / -20-43°C			
Operating limits - HEATING (in/out)	min-max °C	10-27°C / -20-24°C			

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