SERENE

2,5 kW
3,5 kW
5,0 kW

Integrated
Wi-Fi Control



Haier Serene, the new indoor unit with the highest energy efficiency class of A+++. The Serene air conditioner combines performance, comfort and healthy air. Featuring advanced technologies such as the new UVC Plus and 56°C Steri-Clean, it effectively eliminates bacteria and impurities. Available in both black and white versions in 2,5 kW, 3.5 kW, 5 kW and 7.1 kW, its ultra-quiet operation and remote control via hOn WiFi make it the ideal choice for optimum everyday comfort.

KEY FEATURES

UVC Plus

Self Clean

56ºC Steri-Clean

Heating Cable
(Nordic Ver)

Coanda Plus

Easy Installation

Silence

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DELIVERING CLEAN AIR



SELF-CLEAN

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

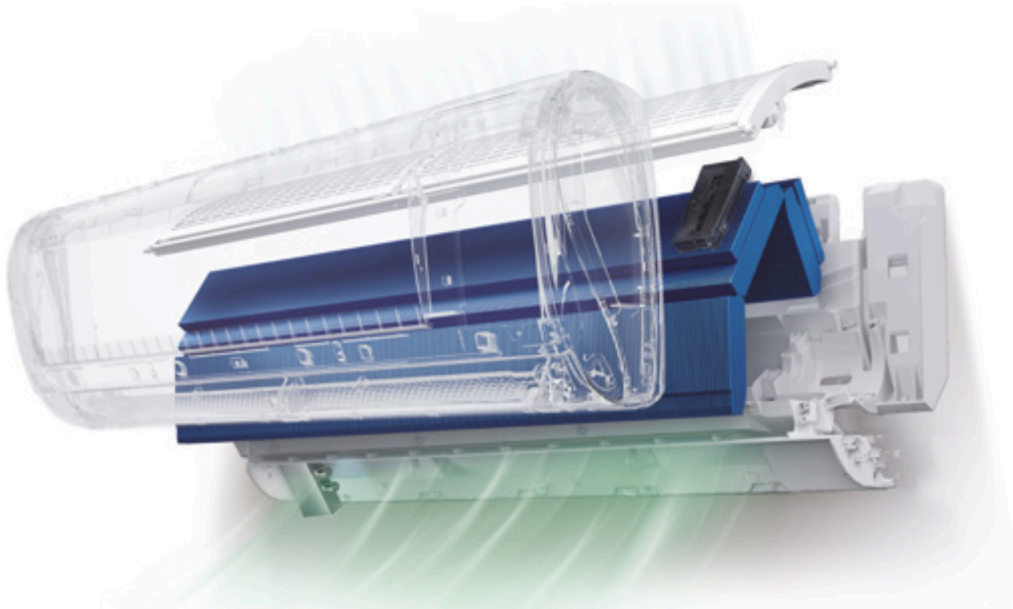
56°C STERI-CLEAN

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

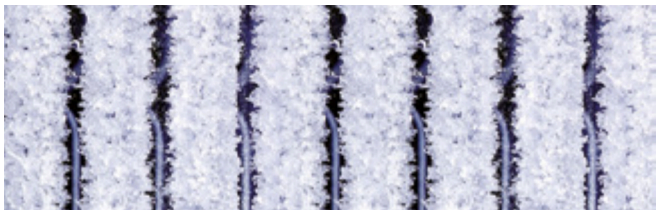
Haier

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.



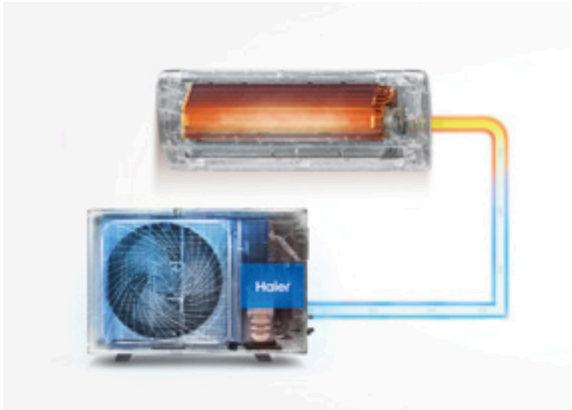
Savings On Cleaning Costs

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

56°C STERI-CLEAN



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



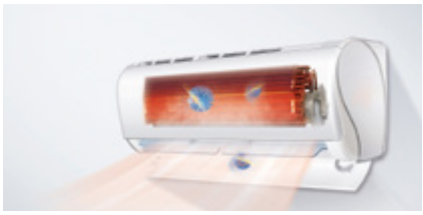
High Temperature Sterilisation

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

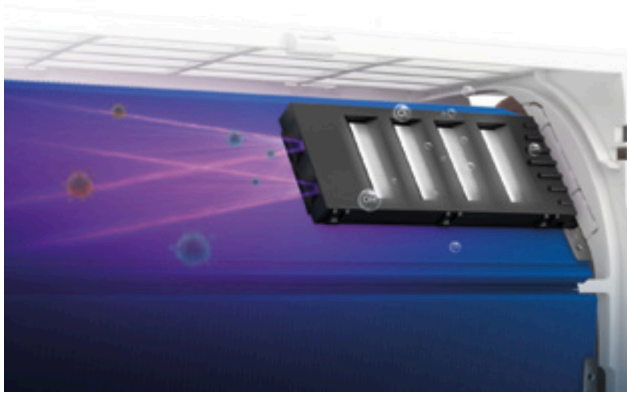
As a result of this process the viruses and bacteria are eliminated from both the exchanger and other surrounding components of the machine. The result is also tested by the SGS laboratories which have shown its effectiveness



Easy-to-Operate

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

UVC PLUS STERILISATION

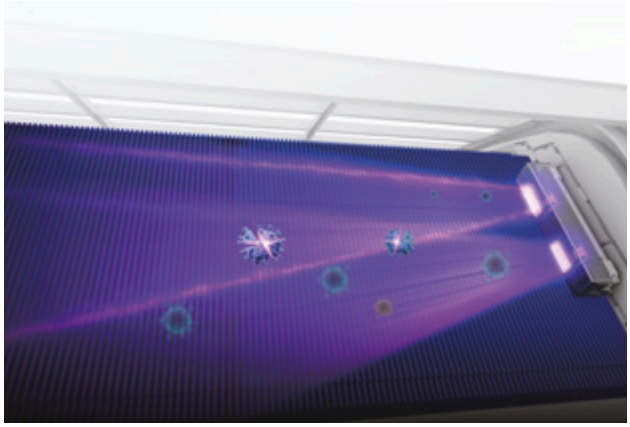


UVC Plus combines hydroxyl radicals (OH•) and reactive oxygen species to oxidize and decompose harmful organic compounds, such as odors, while using UVC to sterilize indoor air near the air inlet.

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

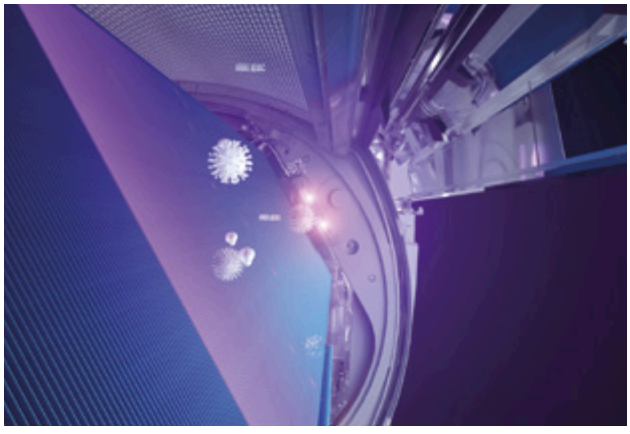


The lamp emits light on two different wavelengths in the UV range – at 254nm and 172nm, called "Vacuum UV rays" – providing dual effectiveness in purifying the air with both UVC rays and hydroxyl radicals produced by photolysis.

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

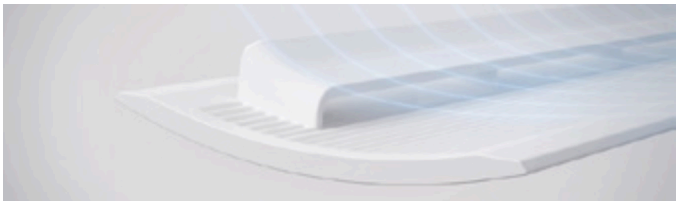
Haier UVC Sterilisation utilises the wave-length between 265-275 nm, which is stronger in destroying the invisible pollutants in the air and ensures to eliminate airborne hazards, with no harmful chemicals, no residuals, and no burden to the environment

Texcell



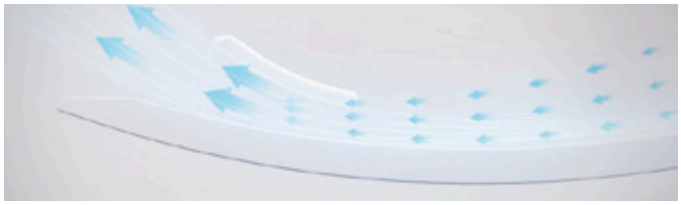
COANDA PLUS AIRFLOW

CoandaPlus 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

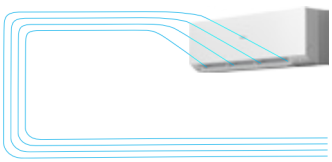
The optimal pressure expansion duct that is narrow inside and wide outside between dual layers where Venturi Effect occurs when air flows through the duct. Thus, the airflow is instantly released at high speed.



Supplemented Airflow

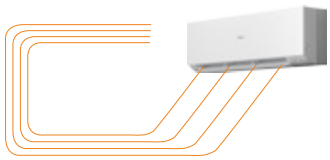
The airflow below the air deflector, absorbed tightly by the negative pressure generated by the faster airflow in-between, joins the main airflow and makes it even stronger.

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

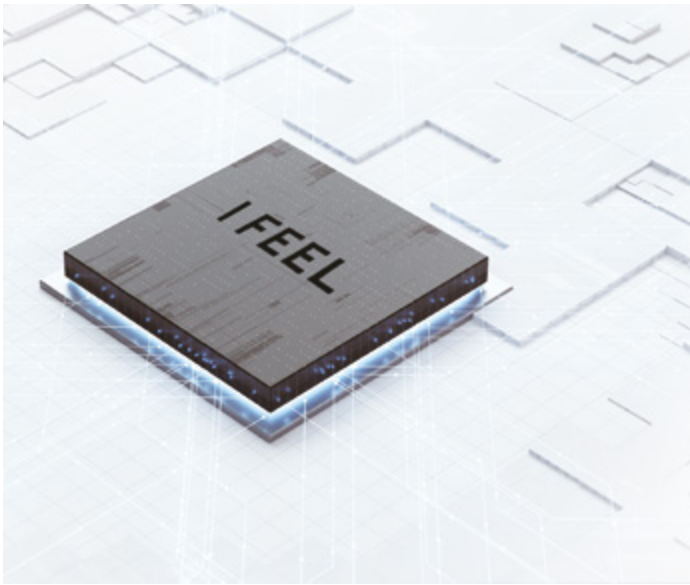
When the heating mode is turned on, the warm air is delivered directly to cover the floor. The warm air circulates to the whole space, and ensures the temperature is balanced at every corner of your room.

Haier

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.

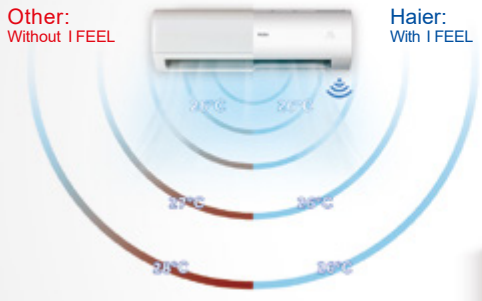
Built-in Temperature Sensor

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.

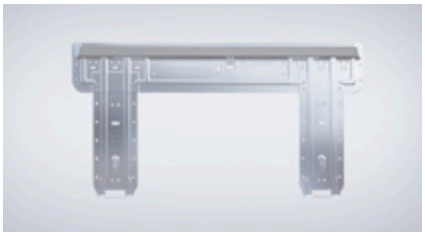
Haier

EASY INSTALLATION



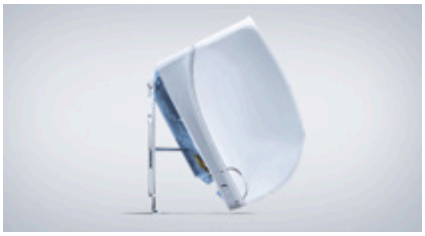
Easyinstallation allowsthe installer to work more efficiently and save time during the peakseason. Haier air conditioning systems areeasyto install thanks to the various optimised components. The optimised wall mounting plate provides detailed information for quick installation. At the same time, it facilitates disassembly and maintenance of the airconditioner by providing easy accessto the fan motor and circuit board.

Positioning Specifications



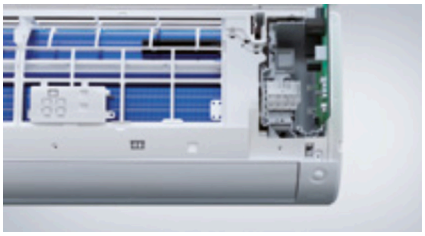
Install the mounting plate andfix the air conditioner at the appropriateheight.

Easy Clip



Facilitates installation with a larger workspace.

Easily Accessible Control Panel



Simplified disassemblyand maintenance without the needto dismantlethe housing.

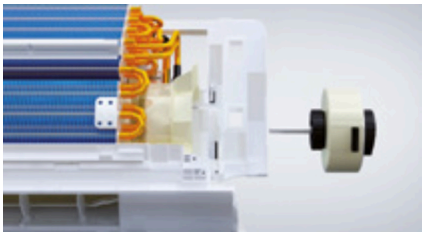
BENEFIT

More Space For Pipes



Reduces installation time by increasing operating spaceto easily accessthe piping and electrical connections area.

Easily Accessible Fan Motor



Simplifies disassemblyand maintenance without the needto removethe evaporator.

Removable Bottom Panel



Allowsthe installerto connect pipesand cables without the aidof a screwdriver.

Haier

SERENE

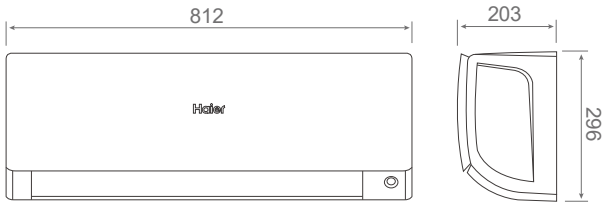
- Self Clean
- Steri Clean 56°
- Mold Proof
- Blue Fin
- Wi-Fi hOn
- Quick Pair
- 3 Level Eco
- Eco Sensor
- 3D Flow
- -20°C Heating
- I Feel
- CoandaPlus Airflow
- Precise Humidity
- Heatstroke Prevention
- Removable bottom panel
- Easy Maintenance
- Heating Cable (Nordic Ver)
- Super-match



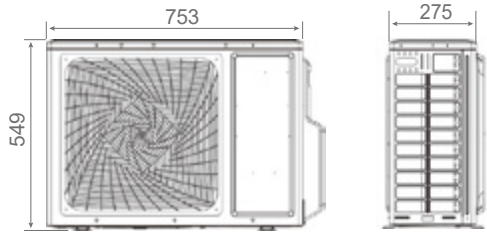
MODEL	Indoor	Black	AS25SBBHRA-MB	AS35SBBHRA-MB	AS50SDBHRA-MB
		White	AS25SBBHRA-MW	AS35SBBHRA-MW	AS50SDBHRA-MW
	Outdoor	Standard	1U25DEBFRA-S	1U35DEBFRA-S	1U50KEBFRA-S
Performance data					
Output power - COOLING	nom (min-max)	kW	2,60 (0,8-3,4)	3,50 (0,8-3,8)	5,30 (2,0-6,3)
Output power - HEATING	nom (min-max)	kW	3,0 (0,7-3,7)	3,7 (0,7-4,0)	5,9 (1,35-6,8)
Absorbed power –COOLING	nom (min-max)	kW	0,65 (0,3-1,2)	1,05 (0,3-1,3)	1,46 (0,21-2,2)
Absorbed power –HEATING	nom (min-max)	kW	0,80 (0,3-1,4)	1,08 (0,3-1,4)	1,47 (0,5-2,7)
Energy class	EER	W/W	4,0	3,31	3,61
	COP	W/W	3,71	3,41	4,0
COOLINGPdesign	35 °C	kW	2,60	3,20	5,30
HEATINGPdesign	(-10 °C)	kW	2,50	2,80	4,70
Energy class	SEER		8,80 (A+++)	8,51 (A+++)	8,51 (A+++)
	SCOP		4,60 (A++)	4,60 (A++)	4,60 (A++)
Annual Energy Consumption - COOLING		kWh/a	103	132	218
Annual Energy Consumption - HEATING		kWh/a	761	852	1430
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	610/550	630/580	800/830
Dehumidification		L/h	1,2	1,4	2,3
High sound power - COOLING		dB	58	60	60
High sound power - HEATING		dB	58	60	60
Sound pressure - COOLING		dB(A)	38/33/27/19	39/34/28/20	44/40/36/31
Sound pressure -HEATING		dB(A)	36/31/27/19	35/32/28/20	44/40/36/31
Net dimensions	WxDxH	mm	812x296x203	812x296x203	983x221x322
Packaging dimensions	WxDxH	mm	876x365x272	876x365x272	1050x397x301
Net/gross weight		kg	8,80/11,10	8,80/11,10	12,80/15,60
Outdoor Unit					
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50
Power cable		N x mm2	3x1,5	3x1,5	3x2,5
Interconnection cable		N x mm2	4x1,0	4x1,0	4x1,0
Sound power	H	dB	63	63	65
Sound pressure	H	dB(A)	49	51	55
Running current cooling/heating	Max	A	6,20/6,20	6,20/6,20	12,30/12,30
Starting current cooling/heating	Max	A	1,5/1,5	1,5/1,5	2,0/2,0
Net dimensions	WxDxH	mm	753x275x549	753x275x549	820x306x642
Packaging dimensions	WxDxH	mm	875x360x608	875x360x608	940x390x697
Net/gross weight		kg	22.4/24.8	24.0/26.4	36.3/39.1
Compressor type			Rotary inverter	Rotary inverter	Twin rotary inverter
Installation data					
Refrigerant			R32	R32	R32
Liquid pipe	Ø	mm (inch)	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 (1/2)
Standard pipe length without refrigerant charge		m	5	5	7
Maximum pipe length		m	20	20	25
Maximum IU- OU elevation		m	10	10	15
Refrigerant charge in the factory		kg	0,54	0,55	1,10
Refrigerant charge in the factory		TCO2eq	0,36	0,37	0,74
Additional ref. charge over std length		g/m	20	20	20
Operating limits- COOLING(in/out)	min-max	°C	21~35/-20~43		
Operating limits - HEATING(in/out)	min-max	°C	10~27/-20~24		

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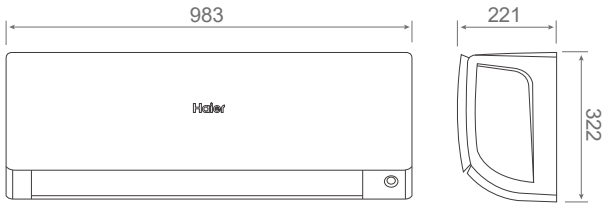
AS25/ AS35



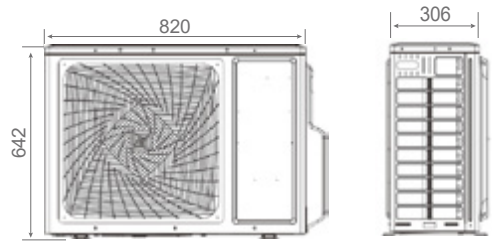
1U25/ 1U35



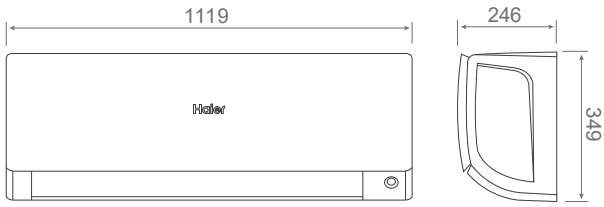
AS50



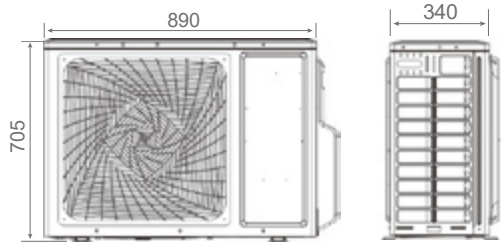
1U50



AS71



1U71







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