

Quartz



In living rooms, apartments, shops, or offices, a suitable air conditioner not only stably regulates temperatures and creates a comfortable atmosphere but also needs to balance healthy air with convenient and flexible control, and Haier Quartz meets these needs precisely.

Its multiple sterilization and self-cleaning technologies keep air fresh constantly, freeing breaths from odors and bacteria; the heatstroke prevention mode keeps living rooms cozy and shops comfortable; with Wi-Fi control and voice interaction, no need to hunt for the remote—you can easily control the air conditioner via phone or voice commands, perfectly adapting to various usage habits.

Every breath fresh, every moment comfortable, every operation effortless. Haier Quartz, making air conditioners truly serve life.



3-Step ECO



UVC Plus Sterilization



Mold Proof



Self-Clean



Wi-Fi Control



UVC PLUS STERILIZATION

Haier UVC Plus effectively enhances air quality by generating hydroxyl radicals ($\cdot\text{OH}$) and reactive oxygen species to oxidize and decompose harmful organic compounds, such as odors, and using UVC to sterilize indoor air near the air inlet.

TECHNOLOGY

Dual-Wavelength UV Technology

UVA (370nm) excitation photocatalyst
UVC (275nm) sterilization

Oxidizing Groups Sterilization and Deodorization

The hydroxyl groups and reactive oxygen species produced by excited photocatalysts have strong oxidizing properties and can decompose space pollutants.

Porous Nickel Honeycomb Substrate Material

The unique honeycomb structure design with high specific surface area and high permeability increases the photocatalyst content and improves efficiency.

Ore Structure Photocatalyst

With high electron mobility and high excitation rate, it does not decompose in the degradation of organic pollutants and sterilization of bacteria and viruses.

Catalyst High Temperature Sintering Technology

Titanium dioxide catalyst high temperature sintering technology can maintain the photocatalyst permanent adsorption, with an indefinite lifespan.

BENEFIT

Deodorization

Oxidative groups sterilize and purify the air, significantly improving air quality for a more comfortable life.

Eco-Friendly

Unlike conventional adsorption methods, it requires no consumable replacements and generates no secondary environmental pollution, allowing for permanent use.



SGS Certification*

*Certified by SGS, in a 3m³ test chamber, the device operates for 120 minutes and demonstrates an average antibacterial rate >99.92% against Staphylococcus albus.
*Certified by SGS, in a 3m³ test chamber, the device runs in Powerful mode for 120 minutes. The difference value of odor level for smoke odor is 3.00, and for pet odor is 3.12, both ≥ 3.0 , meeting the Grade A odor elimination standard.

SELF-CLEAN

Freezes the evaporator with moisture in the air, and removes away dirt in rapid melting, ensuring the air that comes out of air conditioners is always healthy for you.

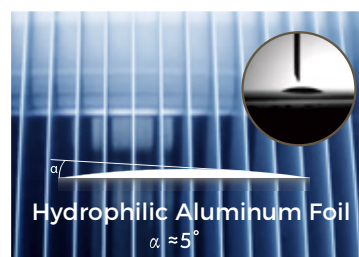
TECHNOLOGY

Dirt accumulates on the evaporator during operation. If not cleaned regularly, the dirt leads to the growth of mold and bacteria that compromise the air quality coming through the air conditioners. It also reduces air conditioning efficiency by **15-30%**.



Cold Expansion

Frost on the evaporator/condenser generates strong cold expansion force that can easily peel off dirt on the surface.



Express Washing

Hydrophilic aluminum with smaller angle helps increase water drainage efficiency by **20%**.



Anti-Bacteria

The coating on the aluminum contains silver nanoparticles that kill bacteria and inhibit their growth **>99.99%** efficiency.

Upgrade After Self-Clean starts, UVC function starts simultaneously.

BENEFIT

Cleaner, More Efficient Air

The technology kills bacteria and keeps the evaporator clean. It enables the AC to work at full cooling capacity and deliver cleaner air.

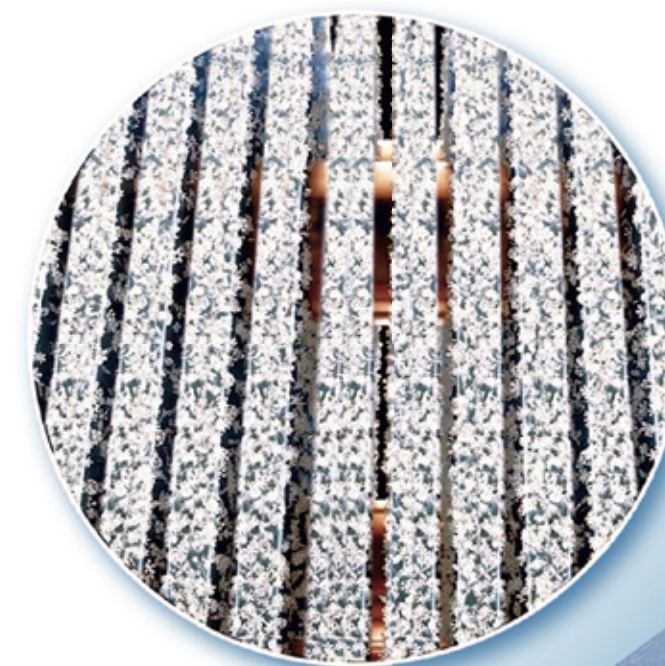
Saving Cleaning Cost

Manual cleaning from service technicians costs a lot of money. It allows you to clean your AC regularly with a simple tap on your controller.



TUV Certification*

*The Verification on Cooling Expansion Rate & Defrosting Residual Rate of Air Conditioner with Self-Cleaning Technology is tested on model AS09FBBHRA by TUV Rheinland. The test report shows that the cooling expansion rate is 98.2% and defrosting residual rate is 0%.
* Haier has been the world's No.1 Self-Clean air conditioner brand for 4 years in a row with a market share of over 37% (Date from Euromonitor International as of Feb. 2022)



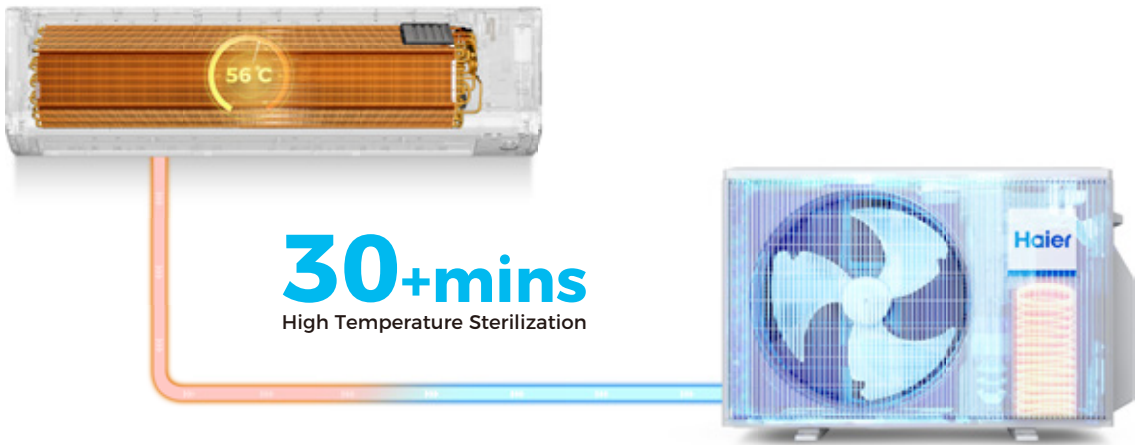
TECHNOLOGY

Smart Frequency Control

It intelligently adjusts the compressor frequency to control the coil temperature and then maintains the evaporator at 56°C high temperature.

High Temperature Sterilization

Almost no bacteria and viruses can survive at 56°C for 30 minutes based on the latest research. Once the heating process is done, the evaporator is cooled down instantly to achieve better sterilization performance.



BENEFIT

Delivering Healthier Air

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

Easy-to-Operate

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



SGS Certification*

*The Verification of 56°C Sterilization with a Duration of 30 Minutes is tested on model AS09JBHRA/1U09MEJFRA by SGS. The test report shows that the measured temperature of evaporator surface and heat exchanger is higher than 56°C for over 30 minutes.

56°C STERI-CLEAN

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

MOLD PROOF

It prevents mold growth by heating the evaporator.

TECHNOLOGY

Activated by App/controller, Mold Proof function dries out the AC indoor unit.

BENEFIT

Keep the AC dry inside to prevent bacteria and mold growth.

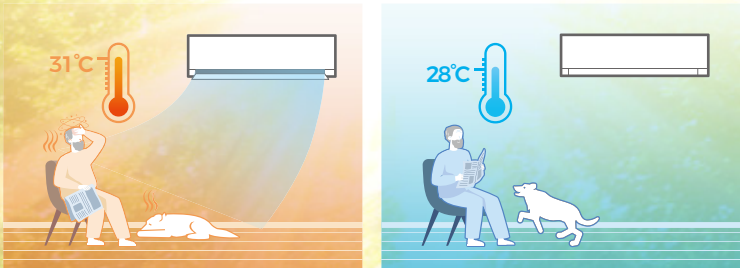


HEATSTROKE PREVENTION

The anti-heatstroke mode is set through the App, and the sensor automatically detects the indoor temperature. When the room temperature reaches the preset alarm value, the anti-heatstroke mode activates automatically.

TECHNOLOGY

When the room temperature reaches the preset alarm value, the function activates automatically and the AC starts cooling mode. Once the room cools down, the function turns off and will restart again if the temperature rises to the alarm value.



BENEFIT

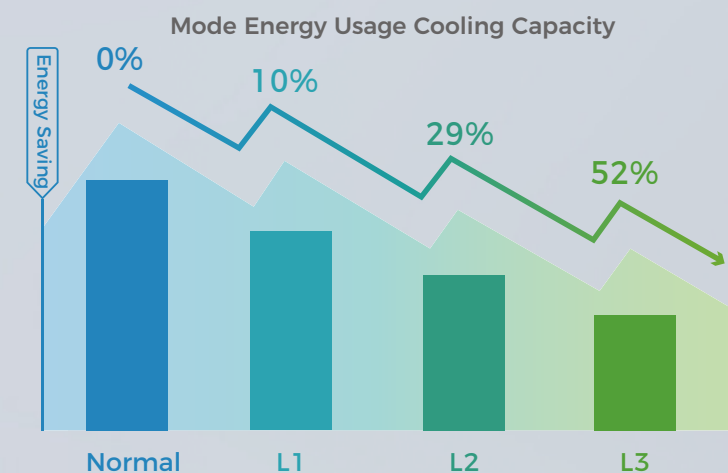
Helps protect the elderly, children, and pets from heatstroke when they are unable to control the air conditioner.

3-STEP ECO

Reduces **52%** energy consumption, compared with normal mode, by limiting the current. Stay cool and no longer need to worry about the electricity bills.

TECHNOLOGY

Just press the button "ECO" on the remote controller, and the AC will work in the active power and comfortable energy control.



BENEFIT

Active Energy Saving

Innovative ECO Mode improves the energy efficiency by reducing cooling output without any comfort compromise.

3-Step Control

The special control program allows the air conditioner to work at different levels, and offers the best choice to users.



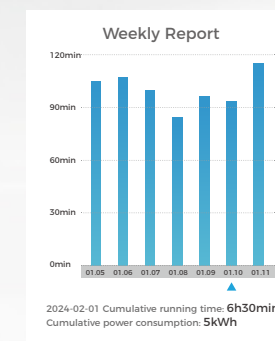
ELECTRICITY STATS

Check the electricity usage through the App, set the target electricity consumption and adjust AC operation status automatically.

TECHNOLOGY

Through real-time calculation of the air conditioner's PCB electricity consumption and cloud-based data processing, the system generates electricity consumption charts, helping users visualize their electricity consumption. By setting target usage levels and enabling smart electricity reminders, users can manage their electricity efficiently.

BENEFIT



Electricity Consumption Report

Provides visual bar charts to help users monitor electricity usage daily, weekly, monthly, or annually.

Electricity Management

Allows users to set daily electricity targets. When the target is reached, energy-saving mode is automatically activated.

Electricity Reminder

Sends a notification when user-defined power-saving targets are achieved, helping users manage electricity efficiently.

WI-FI CONTROL

Imagine you're hurrying back to your home in the hot summer, or lying on the sofa at home but cannot find the remote controller. What you want is easy access to controlling your air conditioner from anywhere and at any time with the App on your phone.



BENEFIT



Customized Service

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



Weekly Timer

Sets temperature and fan speed for the week to come.



Smart Reminder

Sends regular notifications to user to clean the filter mesh.



Error Alert

Error code is shown on the App when it malfunctions.



Group Control

Control multiple units with only one smart phone in hand.



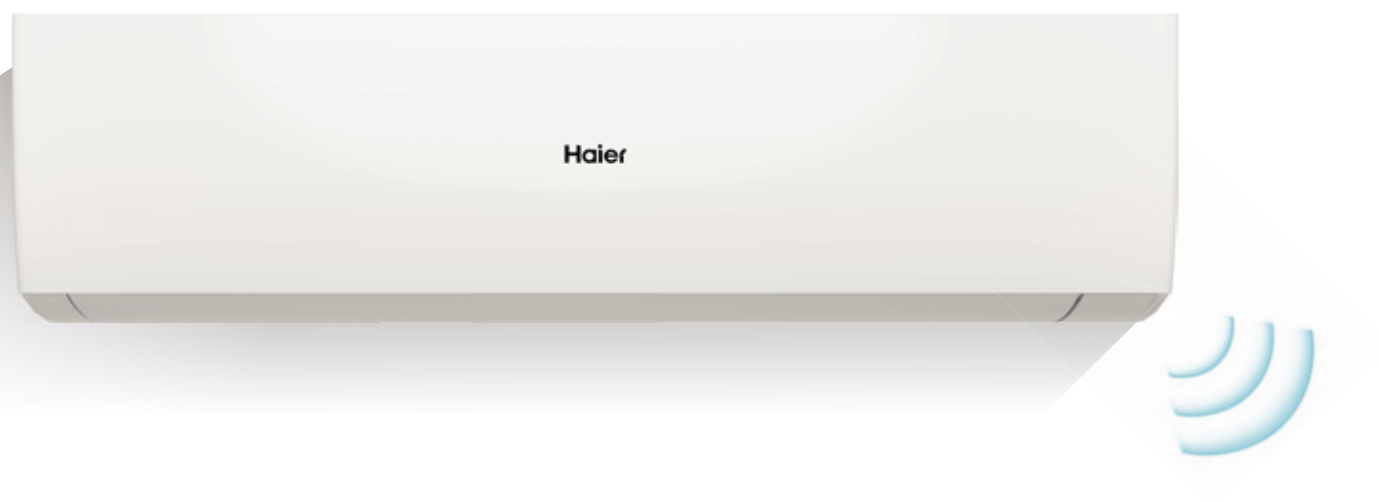
Sleep Curve

Presets 4 unique sleep curves for people in different ages.



Convenient Control

Controls air conditioner from anywhere and at any time via network.



VOICE CONTROL

Even though you have control in the palm of your hand, you don't always have a free hand to use. With Haier smart air conditioner you will be able to have hands-free voice control.

TECHNOLOGY

External Voice Module

The socket-shaped module bridges you and your air conditioner via your voice. Just talk to it and get things done when you don't find your remote controller.

Third-Party Speakers

Google Assistant and Amazon Alexa allow you to interact with your air conditioner in a more intuitive way using voice.

BENEFIT

Intuitively Hands-Free Control

Here are some of the ways you talk to Alexa to control your Haier smart air conditioners.

Turn on/off the air conditioner.

What mode is the air conditioner set?

Set the air conditioner to heat/cool mode.

Is the air conditioner on/off ?

What is the temperature set on the air conditioner?

Set the air conditioner to 20 degrees.



EASY TO INSTALL

Product structural innovations enable fast and easy install.

TECHNOLOGY

Optimized Mounting Plate

Positioning specifications help fix the mounting plate and hang the air conditioner at a proper position.



Optional Drain Piping

Offers left/right two drainage directions, providing more flexibility for installation.



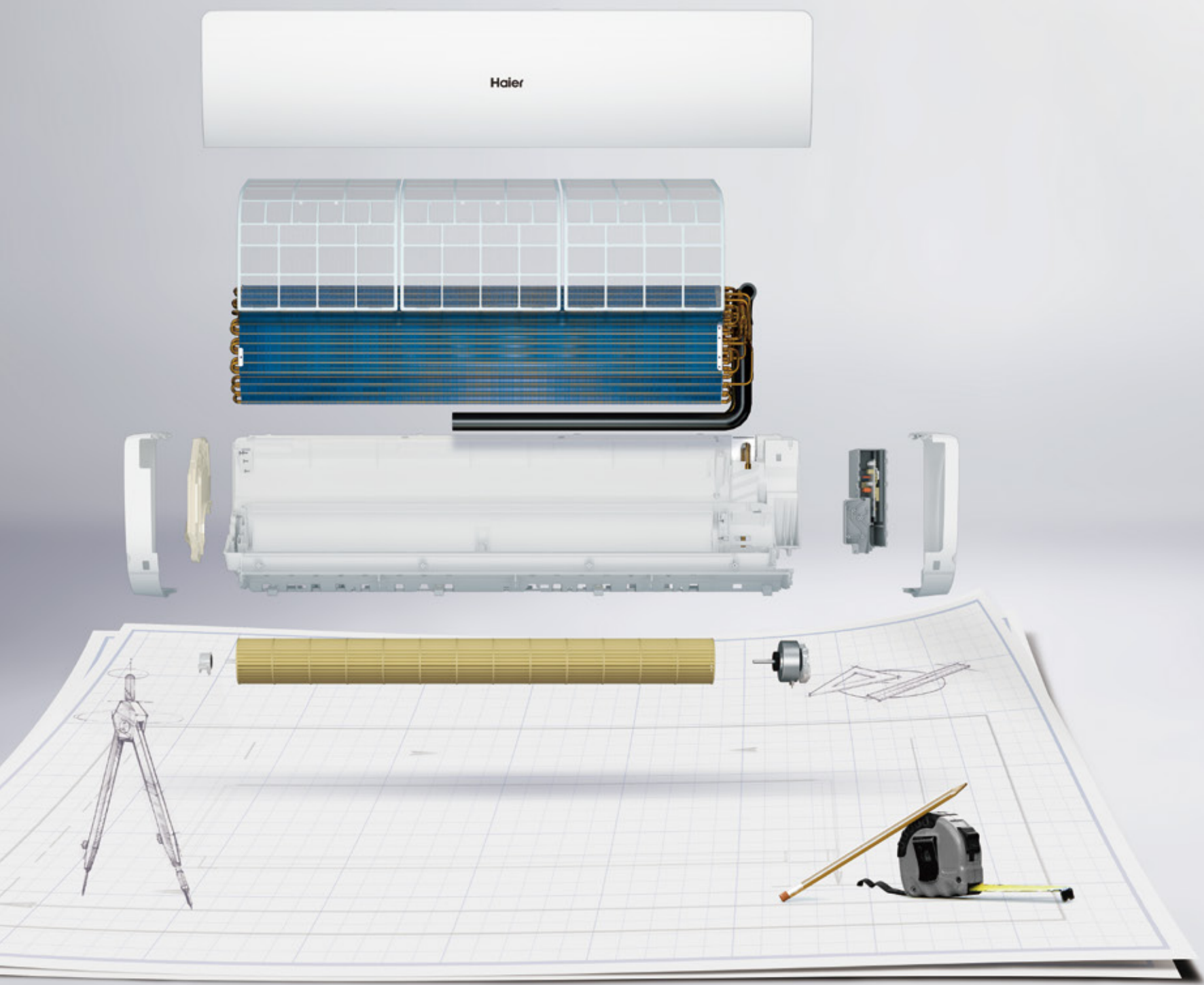
BENEFIT

Improves installation efficiency and reduces installation costs.

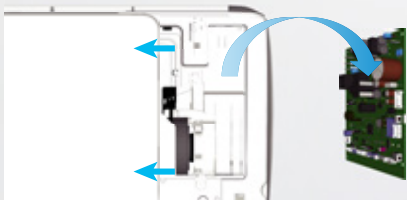


EASY TO MAINTAIN

Optimized structural design simplifies the disassemb and maintenance of the PCB, fan, and motor.

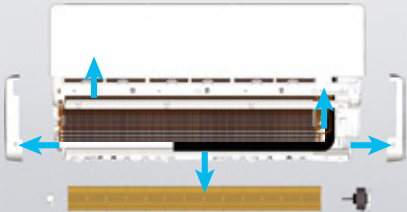


TECHNOLOGY



PCB Maintenance

Simplifies dismounting and maintenance without disassembling the casing.



Fan Motor Maintenance

Simplifies dismounting and maintenance without disassembling the evaporator.

BENEFIT

Optimized design reduces maintenance time and lowers costs.

PARAMETER



Model		Indoor	AS105PFAHRA
		Outdoor	1H105XEAFA
Cooling			
Capacity	Nominal (Min-Max)	Btu/h	34120(5115-37530)
	Nominal	kW	10
	Range(Min-Max)	kW	(1.5-11.0)
Energy Efficiency	SEER		6.4
Energy Efficiency	EER		3.23
Energy Class			A++
Pdesign Capacity		kW	10
Power Input	Nominal	kW	3.096
Power Input	Range (Min-Max)	kW	(0.400-3.500)
Annual Energy Consumption		kWh/a	547
Operating Limits	Min-Max	°C	-20-43°C(out)
Heating			
Capacity	Nominal (Min-Max)	Btu/h	35825(4770-37530)
Capacity	Nominal	kW	10.5
Capacity	Range(Min-Max)	kW	(1.4-11.0)
Energy Efficiency	SCOP		4.3
Energy Efficiency	COP (Mild)		3.71
Energy Efficiency	SCOP (Warm/Cold)		5.40/-
Energy Class	Mild/Warm/Cold		A+/A+++/-
Pdesign Capacity (-10℃)		kW	7.6
Power Input	Nominal	kW	2.83
Power Input	Range(Min-Max)	kW	(0.600-3.500)
Annual Energy Consumption		kWh/a	2474
Operating Limits		°C	-20-24°C(out)
Power Supply	Ph/V/Hz		1/220-240/50
	Position		outdoor
Indoor			
Net Dimension	W/D/H	mm	1310*370*285
Package Dimension	W/D/H	mm	1418*391*478
Net/Shipping Weight		kg	23.5/28
Air Flow (Cooling/Heating)	Max	m³/h	1000/850
Sound Power Level	Cooling (Hi)	dB(A)	70
	Heating (Hi)	dB(A)	70
Sound Pressure Level	Cooling (Hi/Mid/Lo/So)	dB(A)	50/47/43/38
	Heating (Hi/Mid/Lo/So)	dB(A)	50/47/43/38
Moisture Removal		10-3m³/h	3.5
Outdoor			
Compressor			HIGHLY
Net Dimension	W/D/H	mm	950*370*815
Package Dimension	W/D/H	mm	1095*480*882
Net/Shipping Weight		kg	53/58
Air Flow (Cooling/Heating)	Max	m³/h	4600
Sound Power Level	Hi	dB(A)	70
Sound Pressure Level	Hi	dB(A)	57
Running Current	Max	A	17.7
Refrigerant Type	R410a/R32		R32
Refrigerant Charge	R410a/R32	g	1900
Refrigerant Pipe	Liquid Side Diameter		9.52
	Gas Side Diameter		15.88
	Max Pipe Length/Height		50/30
	Max Pipe Length without Additional Charge		10
	Additional Charge		30

KEY FEATURES

UVC Plus Sterilization

Self-Clean

56°C Steri-Clean

Mold Proof

Heatstroke Prevention

3-Step ECO

I Feel

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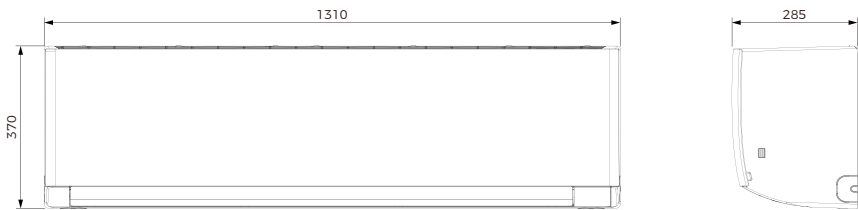
hOn

Voice Control

Reverse Dust Removal

Electricity Stats

INDOOR



OUTDOOR

