

air conditioner

C-SMART

AUX



www.auxcool.com

AUX C-SMART features and functions



Refrigerant R32



ECO Mode



Stand-by Mode



Self-diagnosis Function



24-hour timer



LED Screen



Dual condensate drainage



Build-in Wi-Fi module



Backlit wireless controller

ECOLOGY

CONVENIENCE



UV Sterilization



Sterilisation 57°C



Antibacterial Filter



Self-cleaning Function



PM 2.5 Filter



Setting the Temperature Range



Anti-Fungus Function



Optional Air Filters

HEALTH



DC Inverter Technology



Automatic Restart



Intelligent Defrosting



Hydrophilic aluminum fins



Gold-coated fins outdoor unit



Gold-coated fins indoor unit



Corrosion-resistant casing



Super EMC



Drain pan heater in the outdoor unit



Heating at -25 °C

TECHNOLOGY



Child-lock Function



Anti-Cold-Air Function



Night Mode



4D air circulation



Air vanes vertical movement



Air vanes horizontal movement



TURBO Mode



Cooling Mode



I FEEL Function



Dry Mode



Heating Mode



8°C Heating Mode



Ventilation Mode



Easy and quick installation

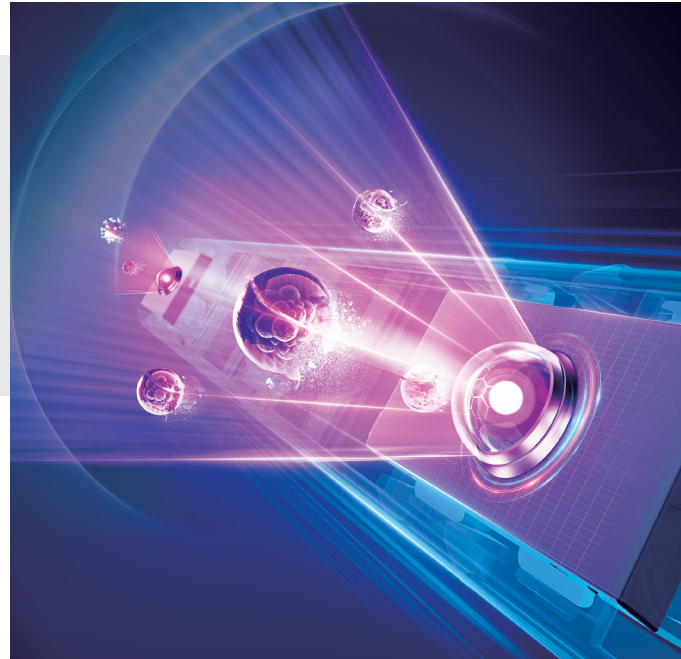


AUTO Mode

COMFORT

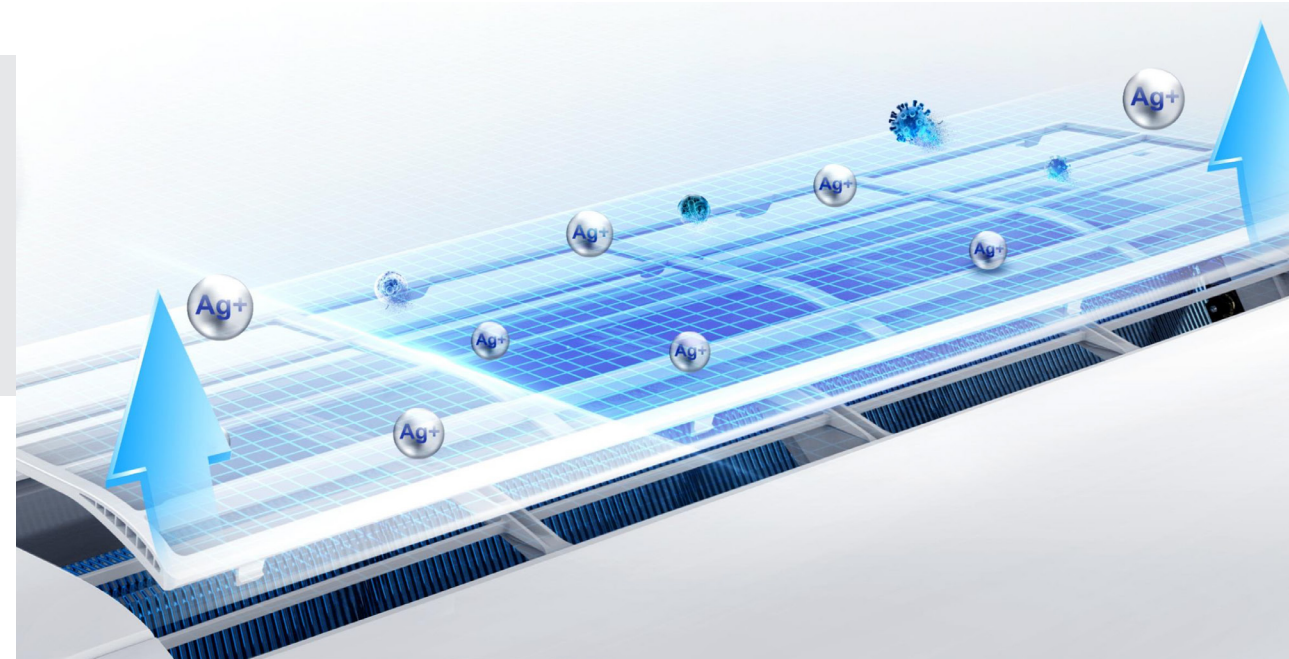
C-SMART air conditioner

Sterilization



Sterilization at 57°C

The heat exchanger maintains a high temperature of 57°C for an adequate duration to ensure optimal sterilization, effectively eliminating microorganisms, bacteria, and viruses.



UV Sterilization

The UV lamp effectively eliminates unpleasant odors and harmful substances from the air, ensuring the highest air quality in the room. UV sterilization inhibits the growth of viruses, fungi, and microorganisms by 99% through efficient disinfection. C-Smart air conditioners are equipped with UV lamps that guarantee clean and healthy air. This feature is particularly recommended for allergy sufferers and individuals prone to infections.

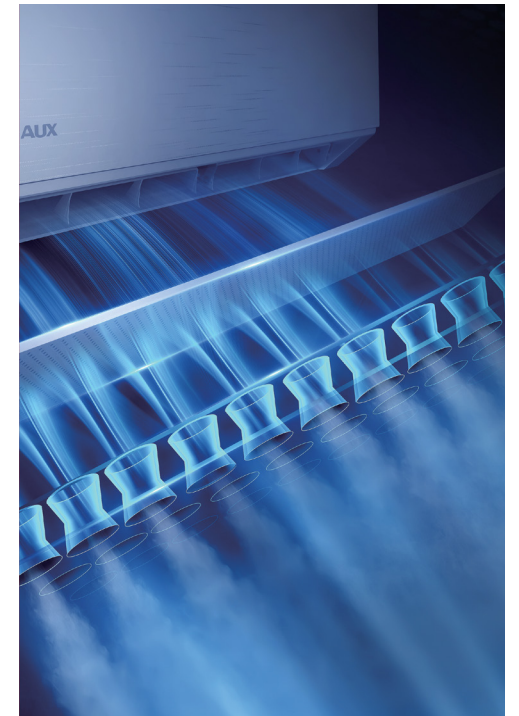
Airflow System

Intelligent Airflow System

The C-Series air conditioners are designed to minimize the draft effect. Thanks to the innovative micro-opening system and contoured air louvers, air is blown out smoothly without creating a draft.

Pioneering Micro-Opening Technology

To ensure unparalleled comfort in air distribution, AUX has designed the indoor unit casings and louvers to eliminate the sensation of drafts. This is achieved through the use of 2,430 micro-openings in the C-Smart air conditioner. The expelled air is dispersed, providing thermal comfort while ensuring speed and precision in maintaining the room temperature.



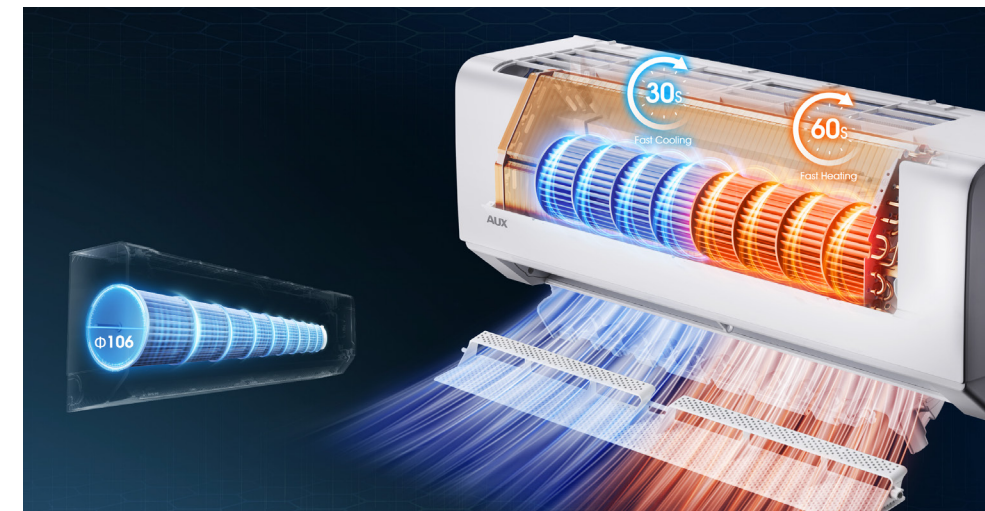
Performance

New outdoor unit

The front panel of the outdoor unit has been designed with operational efficiency in mind. **The round fan grille has been enlarged by 10mm, enhancing air exchange by 10%.**

The main board, installed in a vertical position, is **less prone to shocks, dust accumulation, and damage.**

Leveraging artificial intelligence, the control algorithms enable the air conditioner to operate reliably and economically. Specially designed microprocessors at a Japanese research and development center offer **increased computational power** and **reduced dimensions.**



Rapid Cooling and Heating Technology

Thanks to the use of an inverter compressor, the air conditioning system can quickly achieve full performance and rapidly reach the desired room temperature.

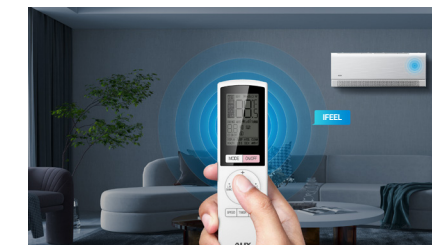
The air conditioner attains **full cooling capacity in just 30 seconds, and full heating capacity within 1 minute.** The compressor reaches a rotational speed of 3,900 RPM within 30 seconds, and its startup time has been reduced by one-third.

Comfort



New Wireless Controller

The wireless controller for C-Smart series air conditioners has been designed with convenience and ergonomics in mind. **The display size has been increased by 67%,** and a special coating on the display prevents mechanical damage.



The IFEEL function precisely adjusts the airflow temperature based on the information gathered from the controller.



Easy Access to the Main Board

Installing and servicing C-Smart series air conditioners has become more convenient with the new solution that allows for easy replacement of the unit's main board.

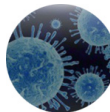
5th Generation Self-Cleaning

The upgraded self-cleaning system of the unit effectively eliminates bacteria, viruses, dust mites, microorganisms, and dust particles. Your family's health and comfort are ensured with 6 stages of self-cleaning and sterilization that help deliver clean air.

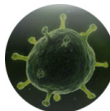
The advanced sterilization system achieves a 99.9% elimination rate for viruses, bacteria, dust, pollen, and microorganisms:



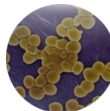
Influenza virus



Escherichia coli bacteria

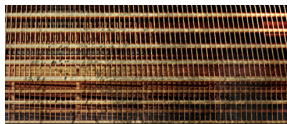


HFMD virus



Staphylococcus aureus

More Efficient and Effective Unit Cleaning System:



Competitive Product



5th Generation Self-Cleaning



Quick and easy instalation

The front panel of the air conditioner and the lower housing element feature special clips that facilitate the removal and installation of the unit. This reduces installation and servicing time by up to 20%.

The specially designed panel simplifies the installation of the air conditioner on the wall. Aligning the unit horizontally and vertically is much more convenient, allowing for a seamless installation process.





New Generation Drip Tray Heater

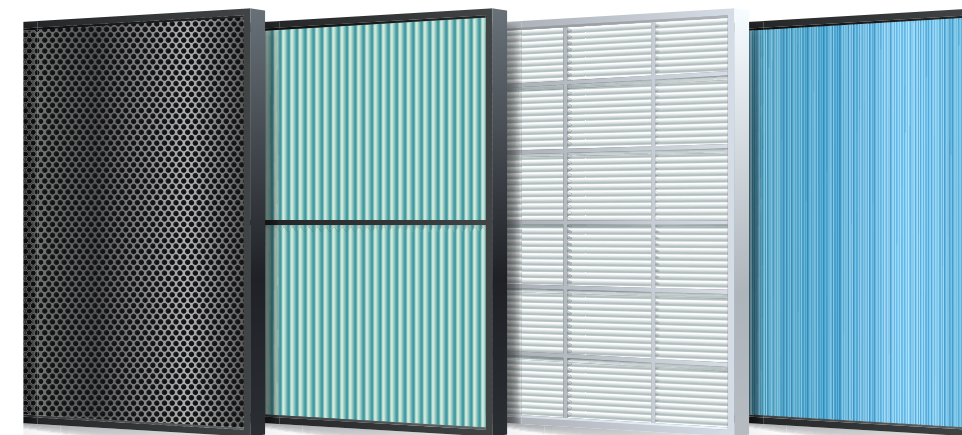
The new generation drip tray heater prevents the accumulation of excess snow and ice in the unit. As a result, the unit will continue to operate effectively even in very adverse weather conditions.



Built-In Wi-Fi Control Module

The built-in Wi-Fi module allows you to control the air conditioner from a smartphone, tablet, or computer connected to the Internet, from anywhere in the world.

Health



Anti-Fungus Filter as Standard Equipment

The Anti-Fungus Filter provides sterilization for all types of bacteria. Essential in combating all types of bacteria and pathogenic microorganisms, it captures them on the antibacterial coating placed on the filter surface.

Thanks to the bactericidal substances present, the growth of bacteria is inhibited.



Temperature Range Setting

The temperature control system allows you to set a range from 16 to 32 degrees Celsius.

By pressing a combination of buttons on the wireless controller and setting the temperature range, the air conditioner can operate only within the user-selected range.

This feature is particularly useful in rental properties and accommodations where it is necessary to set a temperature range.

Ecology

Refrigerant R32



Eco-Friendly Refrigerant R32

AUX C-Smart air conditioners use the latest eco-friendly refrigerant, R32. Compared to the commonly used R410A refrigerant, R32 offers **higher efficiency and a lower global warming potential**. Additionally, it does not contribute to ozone layer depletion.

■ Eco

The refrigerant R32 has a very low Global Warming Potential (GWP) of 675. In comparison to R410A, which has a GWP of 2088, R32 has a significantly reduced impact on the environment—its effect on global warming is three times smaller. Additionally, R32 does not negatively impact the ozone layer, as evidenced by its Ozone Depletion Potential (ODP) of 0. Furthermore, unlike R410A, R32 is a single-component refrigerant, making it recyclable.

■ High Efficiency

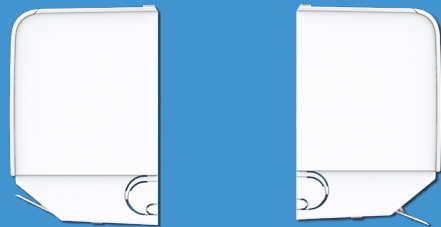
Due to its thermodynamic properties, the refrigerant R32 is more efficient than R410A. The air conditioning system requires about 30% less refrigerant. Additionally, R32 enhances the energy efficiency of the unit by up to 10%.

■ Safe

The R32 refrigerant is characterized by low toxicity, ensuring high safety for users.

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Technical Specifications



Series CA

AUX-09/12/18/24CA

Model		AUX-09CA	AUX-12CA	AUX-18CA	AUX-24CA
Cooling capacity		[kW]	2,70 (0,60 - 4,00)	3,50 (0,65 - 4,10)	5,40 (1,30 - 5,90)
Heating capacity		[kW]	3,30 (0,80 - 4,20)	4,20 (0,93 - 4,20)	5,60 (1,30 - 6,00)
Power supply		[V~,Hz,Ph]	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1
Operating current	Cooling	[A]	3,70 (0,56 - 5,32)	4,20 (0,56 - 5,80)	7,30 (2,20 - 9,30)
	Heating	[A]	4,00 (1,02 - 5,32)	4,80 (1,00 - 6,30)	6,90 (2,00 - 8,00)
Power consumption	Cooling	[W]	720 (100 - 1200)	870 (130 - 1550)	1650 (290 - 2100)
	Heating	[W]	800 (200 - 1200)	1060 (230 - 1300)	1550 (250 - 1800)
Maximum current draw		[A]	9,0	9,0	12,0
Maximum power consumption		[W]	1600	1500	2400
SEER / SCOP		-	8,50 / 4,60	8,50 / 4,60	7,00 / 4,10
Energy Efficiency Class	Cooling	-	A+++	A+++	A++
	Heating	-	A++	A++	A+
Indoor unit		AUX-09CA/I	AUX-12CA/I	AUX-18CA/I	AUX-24CA/I
Airflow rate		[m³/h]	700/611/558/504	650/580/550/500	900/800/750/650
Noise level		[dB(A)]	54	56	58
Indoor unit dimensions		[mm]	774 x 299 x 202	834 x 299 x 202	997 x 312 x 222
Indoor unit weight		[kg]	8,0	8,0	11,0
Outdoor unit		AUX-09CA/O	AUX-12CA/O	AUX-18CA/O	AUX-24CA/O
Refrigerant	Type	-	R32	R32	R32
	Factory charge (up to 5m)	[g]	550	600	1030
	Additional charge	[g/m]	15	15	20
Noise level		[dB(A)]	61	62	66
Outdoor unit dimensions		[mm]	709 x 280 x 530	709 x 280 x 530	785 x 555 x 300
Outdoor unit weight		[kg]	22,5	24,5	39,0
Operating temperature range	Cooling	[°C]	-10	-10	-10
	Heating	[°C]	-25	-25	-25
Pipe connections (diameter)	Liquid	[in]	1/4	1/4	1/4
	Gas	[in]	3/8	3/8	5/8
Maximum piping length		[m]	20	20	25
Maximum height difference		[m]	10	10	15



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