



LG Electronics

<http://www.lg.com>
<http://partner.lge.com>

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Distributed by



2025 | AIR CONDITIONER

2025

AIR CONDITIONER



Life's Good.

LG BUSINESS PARTNERSHIP & INFRASTRUCTURE



INFRASTRUCTURE IN EUROPE

LG Electronics' European Air Solution department is committed to ensuring your business success. With 16 pan-European sales offices and academies, we seek to deliver on our promise of support, efficiency and proactivity throughout each stage of our business partnership. Our highly competitive products are delivered through our dedicated European distribution centre to ensure a steady and reliable supply of inventory. At our European Energy Lab, LG Business Solutions is developing a heat pump technology that is optimized for the varied European climates and weather patterns along with continuous product performance verification.



LG Europe B2B Regional Head Office

LG Business Solutions Europe is based in Eschborn, Germany, with regional offices located throughout Europe. LG Europe B2B Regional Head Office is a control tower for European B2B business dealing with a wide range of products, including heat pumps and air conditioners. LG Electronics has a strong global network.



European Distribution Center

LG's European Distribution Center is located in Tilburg, the Netherlands. Supplying products all over Europe, this distribution hub has contributed to smooth and rapid delivery, direct shipping for smaller orders and delivery tailored to air conditioners. Inventory efficiency of the hub is secured by the LG EU's established inventory pool.

About LG Business Solutions:
<http://www.lg.com/global/business/about-lg-business>

GLOBAL PRODUCTION SITE



TOTAL HVAC SOLUTION PROVIDER

Since manufacturing Korea's first air conditioner exclusively designed for residential use in 1968, LG has been a pioneer of air conditioning innovation. Encouraged by LG's technological leadership in the residential air conditioning sector since the late 1990s, LG moved into the commercial air conditioning sector.

LG has established itself as an exemplary HVAC and energy solutions provider, investing in new technologies, with the addition of chiller, VRF systems and building management systems (BMS) to its comprehensive product portfolio. Alongside its wide range of innovative solutions, the LG promise is to deliver unparalleled customer service.

LG produces expert air conditioning professionals at its academic centers, of which there are nearly 80 worldwide. These academic centers provide workshops and training programs that offer excellent hands-on experience. Additionally, LG provides advanced and highly sophisticated tools for HVAC system engineers and installers, including its time saving LG Air Conditioner Technical Solution (LATS) software. LATS allows LG to support clients with draft energy estimation and energy modeling, model selection and design, lifecycle cost analysis and more to ensure a seamless process from planning to execution. LG also operates several state-of-the-art R&D facilities all across the planet.

Evolving Service Platform

ThinQ

LG ThinQ offers a variety of products, features and services combined with smart technology. LG's own lifestyle platform, LG ThinQ, connects families to their appliances and electronics, and gives them customized control and peace of mind.



Air Conditioner

With a cutting-edge hardware and software design, this system allows seamless online updates when connected to Wi-Fi. Paired with the intuitive ThinQ app, it empowers customers to personalize and upgrade their home appliances effortlessly, ensuring their devices stay as innovative as they are.



LG Home Appliance

ThinQ UP



NEW Air Conditioner



What is ThinQ UP Air Conditioner

Enables smart appliances continually evolve with new downloadable features, functionalities and enhancements delivered via software updates and add-on hardware upgrades.

Performance UP

Ever-new Air Conditioner

Add new functions to products in use to experience new and better products everyday.

Custom UP

Air Conditioner Tailored Just for You

Experience the freedom to adapt your air conditioner to your evolving lifestyle and preferences. With personalized function recommendations and seamless product upgrades, it ensures a perfect fit for your unique needs and tastes.

Convenience UP

Say goodbye to hassles with the Convenience UP Air Conditioner.

Designed to tackle inconveniences head-on, it introduces new functions and resolves issues as they arise, delivering a seamless and worry-free experience tailored to your comfort.



※ ThinQ UP features product may vary by country and model.
※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

**008**

008 ~ 190

RESIDENTIAL

- Wall mounted 018
- ERV residential 060
- Multi split 084

**192**

192 ~ 389

COMMERCIAL

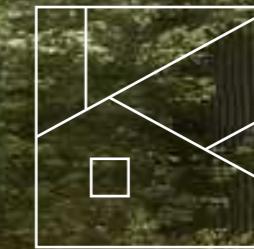
- Single split 194





RESIDENTIAL

Wall mounted 018
ERV residential 060
Multi split 084



Intelligent cooling, artfully crafted

LG ARTCOOL™

AI AIR MIRROR

Why LG ARTCOOL™

Intelligent Comfort Redefined

Elevate your comfort effortlessly with AI-powered control.

Throughout the year, our intelligent system seamlessly adjusts temperature, humidity, and airflow to offer optimal comfort every moment.



AI Comfort Control

AI Air

Revolutionize your comfort with intelligent adaptability. AI Air continuously optimizes airflow using radar sensors to track your location and the ThinQ app to understand your preferences.

Soft Air

Experience cooling like never before. Indirect airflow keeps you comfortable without direct contact, while personalized wind temperature settings ensure an ideal environment.

DUAL Vane

Stay cozy all year round. Cool air flows softly from above, and warm air rises gently from below, eliminating the discomfort of direct wind exposure.

Sleep Timer+

Enjoy deeper, smarter sleep. AI learns your sleep rhythm to create a tailored nighttime environment for uninterrupted rest.



Proactive Energy Saving

Effortless Savings, Seamless Living

Experience smarter energy management with LG's advanced technologies that effortlessly blend efficiency and comfort. Stay in control of your energy usage with intuitive features that optimize performance without sacrificing comfort.

AI kW Manager by LG ThinQ

Set your energy-saving goals with ease. The air conditioner automatically adjusts operation based on your target electricity usage and preferred time period, making energy management effortless.

Human Detecting sensor

Save energy without lifting a finger. The system detects when a room is unoccupied and automatically switches to energy-saving mode after a set time.

Window Open Detecting

Smart detection for smarter savings. If a sudden temperature change is detected within 5 minutes, the system recognizes it as an open window and adjusts operations to avoid energy waste.



Hygienic Air Care

Clean Air out, Fresh Breath in

A multi-step filtration process with Freeze Cleaning that purifies the air, removing dust and even bacteria, making sure the air you breathe is always fresh.

All Cleaning mode

One tap for total cleaning.

Auto Clean+

Dries the inside automatically.

Pre-Filter

Traps big dust particles.

Freeze Cleaning

Ice washing cleaning.

Allergy Filter

Reduce Allergens allergy.

Plasmaster™ Ionizer++

Remove 99.9% of adhering bacteria.



Intelligent cooling & heating, perfectly tuned

LG DUALCOOL™

AI AIR PREMIUM / DELUXE / SPECIAL



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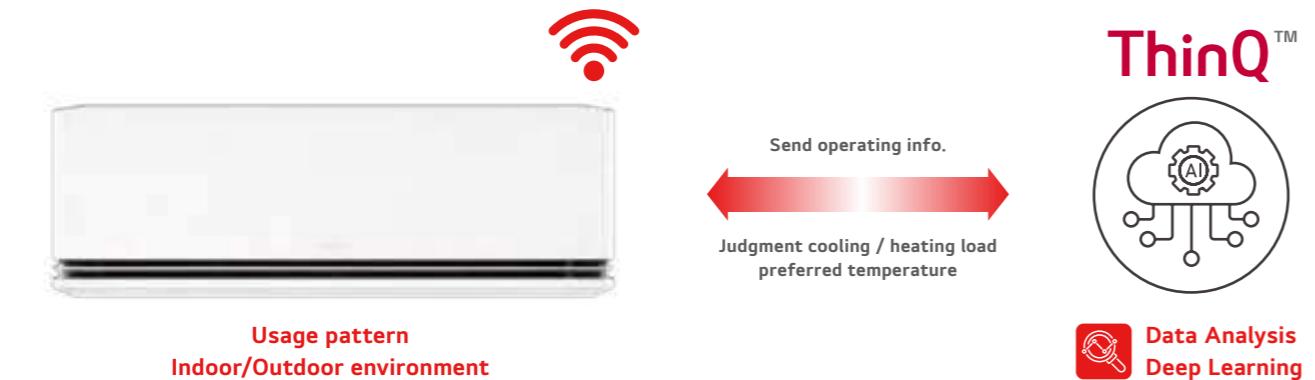
※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

Key Feature

AI Air (by AI-Powered control)

Smarter cooling & heating with AI analysis of space, location of people

ThinQ analyzes not only the customer's air conditioning usage patterns but also periodically analyzes indoor environmental information to automatically set the operating mode of the product and provide customized cooling / heating.



Benefit

Stay Comfortable Wherever You Are

Enjoy personalized comfort, no matter where you are in the room. Advanced radar sensors detect your location, delivering the perfect breeze for your needs—direct cooling when you're hot and gentle, indirect cooling when you've cooled down.

No Matter Where You Are, Comfort Follows You

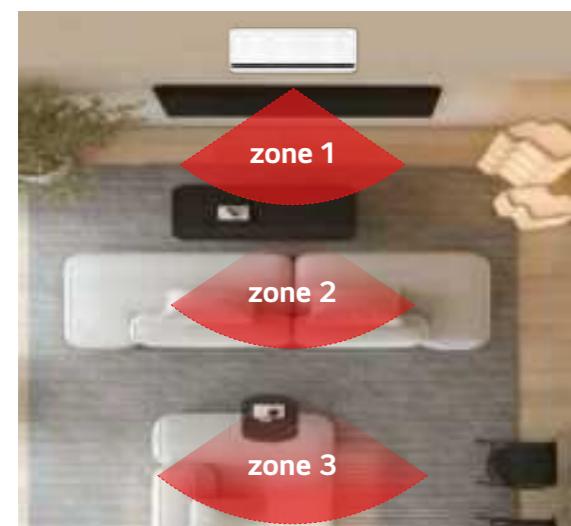
With AI Air, comfort is always within reach. Advanced AI-driven space analysis ensures your environment is perfectly adjusted to your needs.

Cooling Soft Air

Say goodbye to temperature extremes. The system eliminates the discomfort of being too cold when it's on or too hot when it's off. Whether you're lounging in bed or relaxing elsewhere, the radar sensor detects your location and adapts.

Strong breeze when it's hot or cold.

Gentle, soft airflow as the room warms up or cools down. Experience a perfectly balanced atmosphere tailored just for you, every moment of the day.



※ The AI Air function is available only in heating and cooling modes. When the AI Air function is activated, it automatically operates in one of three modes (Direct Fast, Indirect Fast, Soft Air) using the "Human Detecting Sensor" or ThinQ settings to occupant's location. And wind direction and speed are adjusted automatically based on the indoor environment and the location of the occupant. When there are multiple occupants in the space, only the location of the nearest occupant is taken into account.

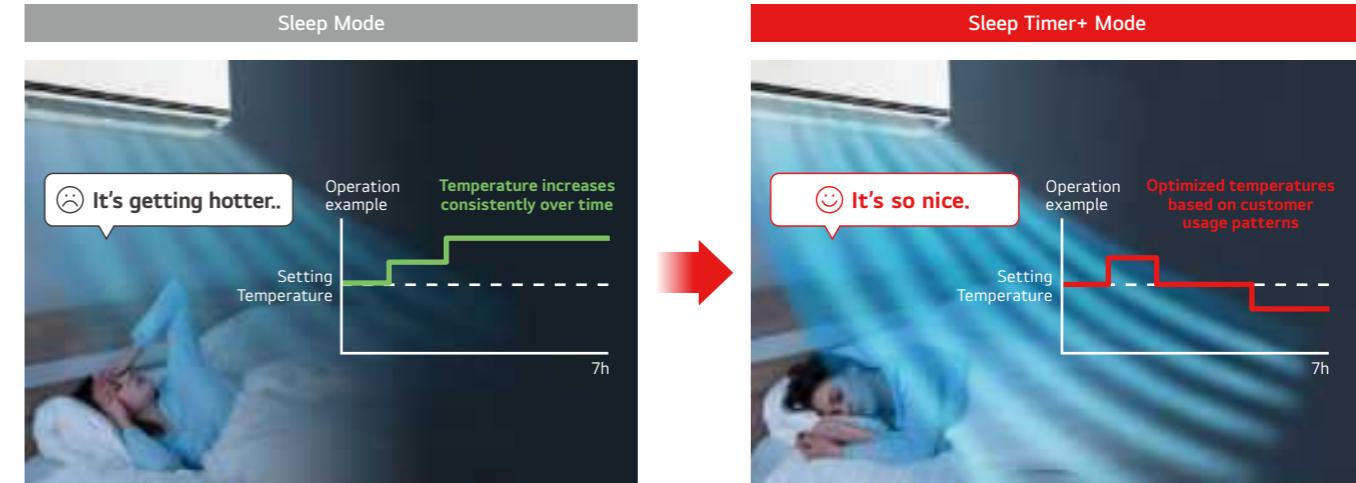
※ The model without a "Human Detecting Sensor (Radar Sensor)" can use the AI Air function by setting the positions of products and furniture in ThinQ. Based on the set positions, the airflow, wind direction, and product performance are adjusted, but tracking functionality is not provided.

AI Comfort Control

Sleep Timer+ (by AI-Powered control)

AI learns your rhythm for deeper sleep

For a deeper, more restful sleep, Sleep Timer+ automatically adjusts the cooling temperature to suit your needs. By analyzing your air conditioner usage patterns, it ensures a comfortable environment that helps you sleep longer and more comfortably throughout the night.



※ "Sleep Timer+" operates by automatically adjusting the setting temperature through user pattern analysis during sleep mode.

※ "Sleep Timer+" is only available in Cooling mode.

※ "Sleep Timer+" allows the initial setting temperature to be set in the range of 22°C to 28°C.

※ "Sleep Timer+" is set through ThinQ and can be operated by ThinQ and remote controller.

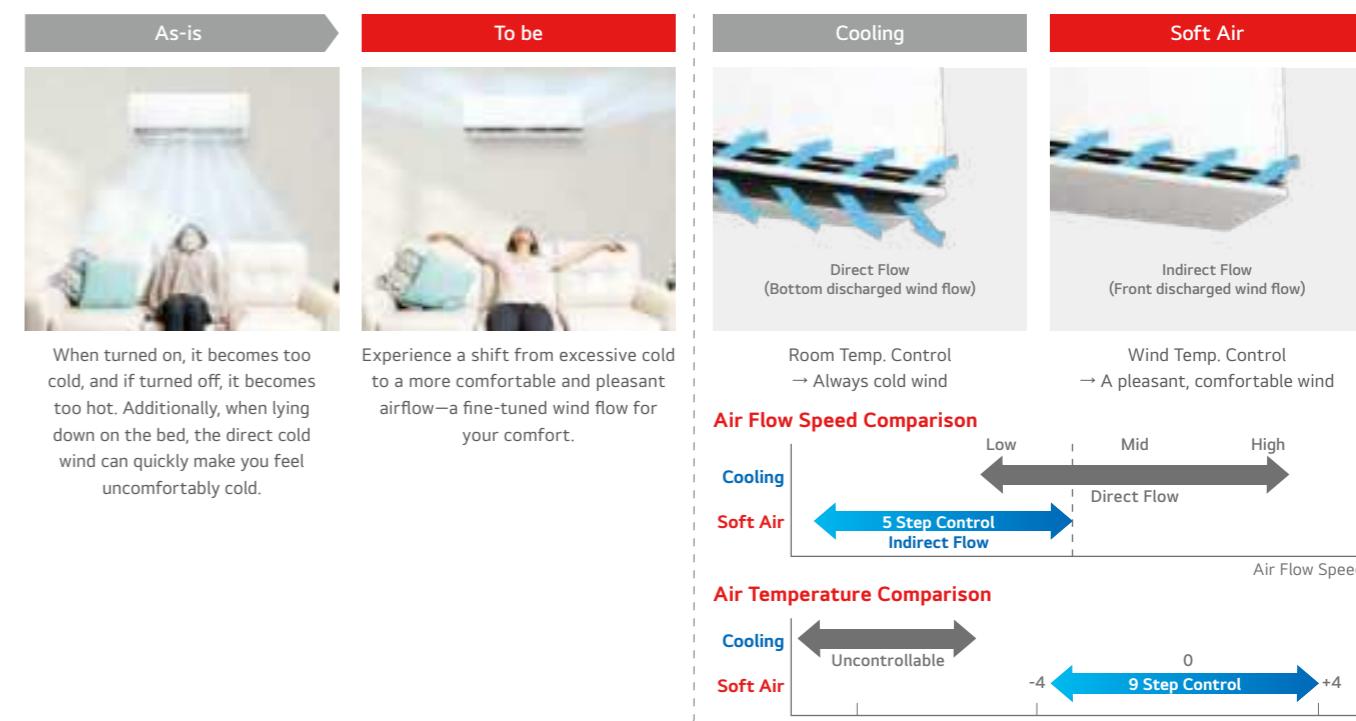
It can be set from a minimum of 30 minutes to a maximum of 12 hours, and after 1 hours, it can be set in 1-hour increments.

※ "Sleep Timer+" is deactivated when setting Energy saving, Power Cooling and Smart care.

AI Comfort Control

Soft Air

Stay comfortably cool with no chilly drafts and personalize breeze range and temperature.



※ In Soft Air mode, the lower outlet is closed, and indirect airflow is provided through the front outlet.

※ This function can be applied Cooling / Fan / AI Air mode only.

※ During AI Air mode operation, the Soft Air function is automatically activated based on the indoor environment.

※ To use the Soft Air function alone, it can be manually activated using the ThinQ app or the remote control.

※ The wind temperature can be set through ThinQ only when using the Soft Air mode alone, not during AI Air operation.

※ During the use of soft Air mode alone, the minimum settable room temperature is 24°C.

※ The airflow temperature may not increase or decrease depending on the indoor and outdoor temperatures.

※ When connected Multi ODU, this function may not be supported.

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※ Specifications may vary for each model.

Key Feature

DUAL Vane

Dual Vane spreads airflow up or down, further and faster, for ideal comfort in any season.



※ Performance comparison vs Single Vane

1) Date 2023.06, Measurement results in LG air conditioner test chamber, installation height 1.8 m, Fan mode. Using a wind speed probe, the height range from 0.1 to 1.7 m is measured in 0.2 m increments. Measures the maximum distance reached by airflow more than 0.25 m/s speed from the products

2) Date 2023.10 LG air conditioner home environment testing chamber, 20.9 m²/50.1 m, Jet Mode, Indoor DB (33±0.3)°C / RH (60±5%), Outdoor DB (35±0.3)°C / RH (50±5%) 18°C setting on cooling mode, Indoor DB (12±0.3)°C / RH (60±5%), Outdoor DB (7±0.3)°C / RH (87±5%) 30°C setting on heating mode, measured the time took to reduce 5°C (for Cooling) / rise 5°C (for heating), from the initial average room temperature. Test Model : S3-M12KL2MB (SK), S3-M12L1CO (S1 New Platform)

3) The performance result may vary depending on actual usage conditions.

AI Comfort Control

Longer Stream Wind

The innovative Dual Vane system combines two separate vanes into one long, unified vane, allowing airflow to reach further than traditional models. This extended airflow ensures more effective and consistent cooling throughout the room, enhancing comfort in every corner.

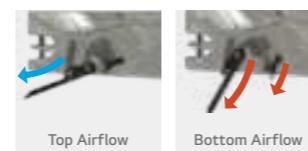
Indirect Flow

The Dual Vane system offers an indirect airflow mode for a more comfortable experience than traditional single vane. Cold air flows gently from above your head, while warm air rises from beneath your feet, minimizing the discomfort of direct wind contact and creating a more balanced and pleasant environment.



Faster Cooling & Heating

Dual Vane can provide optimized airflow that single vane can not achieve. It enables cooling up to 23% faster and heating up to 6% faster than single vane.

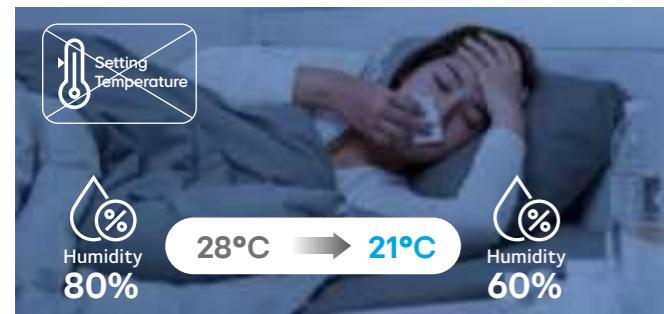


Comfort Humidity Control

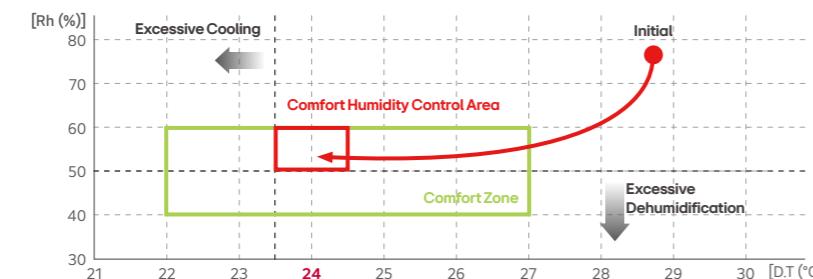
AI Comfort Control

No excess chill, Comfort Humidity Control perfects your home with humidity optimized to your desired temperature.

Conventional



Operation Example (24°C Setting)

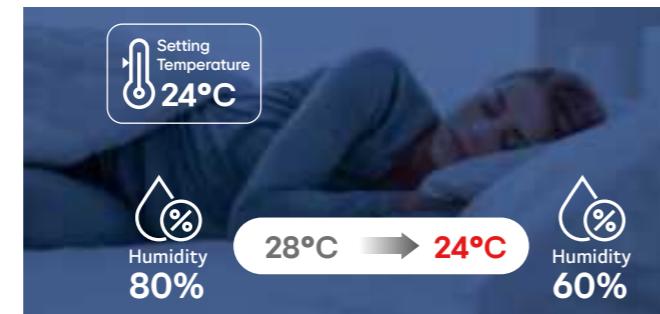


※ The air flow changes automatically based on the operating environment.

※ This function can be used through remote controller and LG ThinQ app.

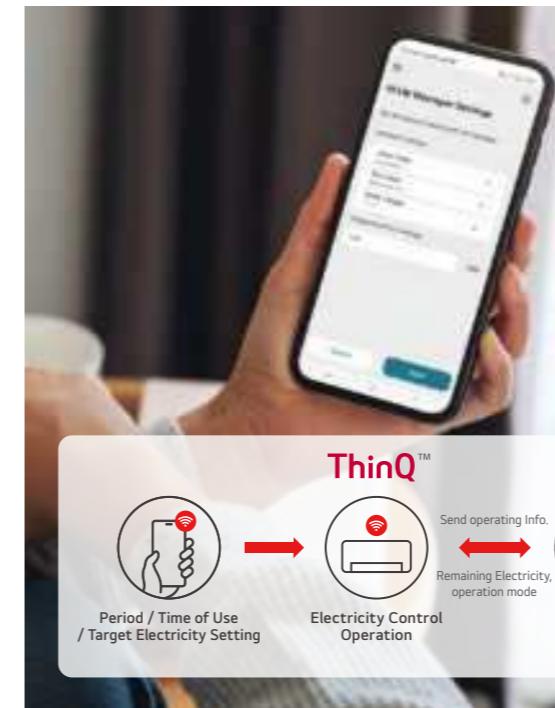
※ When connected to Multi ODU, this function may not be supported.

LG DUALCOOL

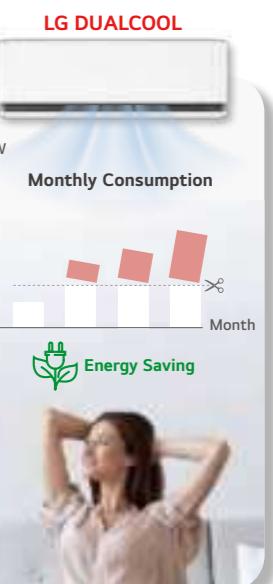
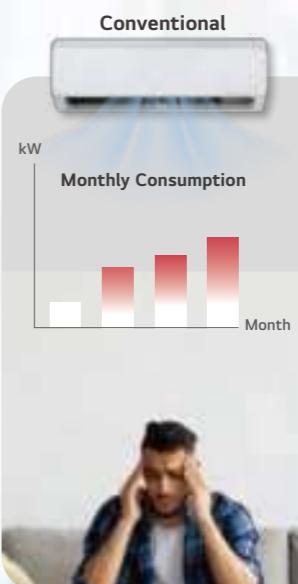


AI kW Manager

Stay cool. AI kW Manager lets you take control of your energy usage and spending proactively.



Easily manage electricity usage
Smart energy saving

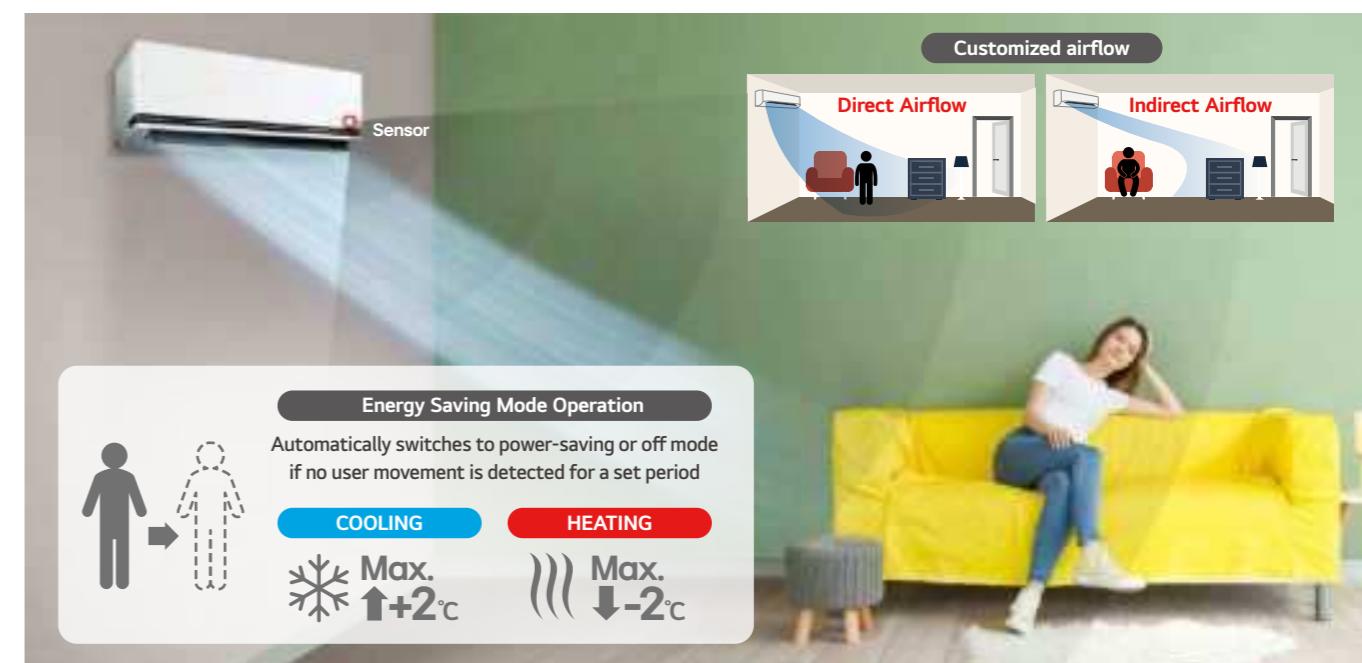


※ During the set period, the accumulated electricity is monitored and performance (electricity consumption) limiting operation is performed for remaining period.
※ If the accumulated electricity is increased due to over the daily usage time, remaining electricity is recalculated to each day for operating product. ※ This function can be used through ThinQ only.
※ If the accumulated electricity within the set period exceeds the target amount, the function is released and changed to general operation mode with a ThinQ notification.
※ When connected to Multi ODU, this function is not supported.
※ AI kW Manager works only in cooling mode.

Human Detecting Sensor

Proactive Energy Saving

Human Detecting Sensor's location detector provides comfy airflow control and auto power-savings.



※ This function can be turned on/off through remote controller or LG ThinQ app.

※ The "Human Detecting Sensor" only activates cooling and heating mode.

※ The judgment time of absence human detection can be set from 20 to 120 min through LG ThinQ app (Default 20 min).

※ Human body detection covers 100 degrees left and right based on the product, and the maximum detection distance is 5 m.

※ Depending on usage conditions, sensor detection range may be shortened.

※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

※ Specifications may vary for each model.

Key Feature

Window Open Detecting

Reduces energy loss as energy saving mode starts automatically during sudden temperature changes. Prevents condensation when windows are open.



※ The initial setting is off when the product is shipped.

※ This function can be set up through LG ThinQ app only.

※ The "Window open detection" function is available in Cooling and Heating mode only.

※ The default energy saving mode operating time is 10 minutes and can be set up to 60 minutes through LG ThinQ app.

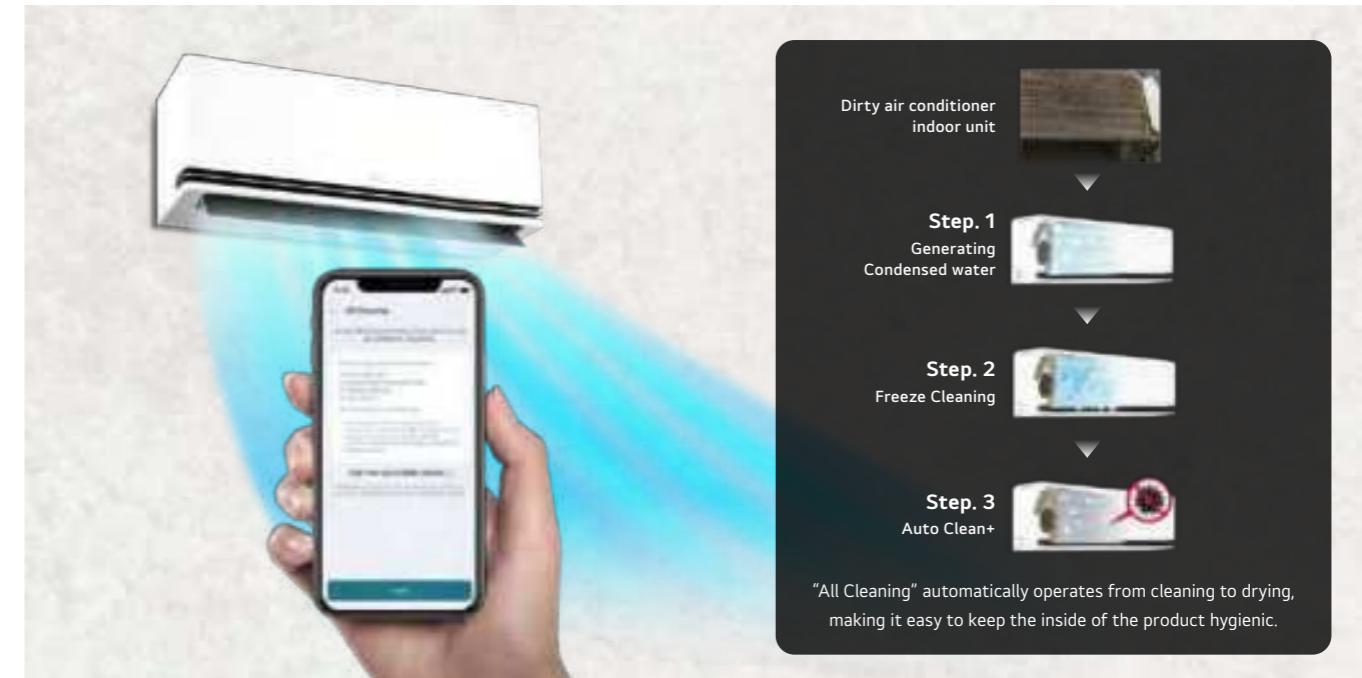
Proactive Energy Saving



Total Air Care

All Cleaning

When you turn on the air conditioner for the first time in a long time or do not run the air conditioner for a long time at the end of summer, you can use "All Cleaning" to manage everything from washing to drying at once.



"All Cleaning" automatically operates from cleaning to drying, making it easy to keep the inside of the product hygienic.

Total Air Care

A multi-step filtration process with Freeze Cleaning that purifies the air, removing dust and even bacteria, ensuring the air you breathe is always fresh.

Hygienic Air Care

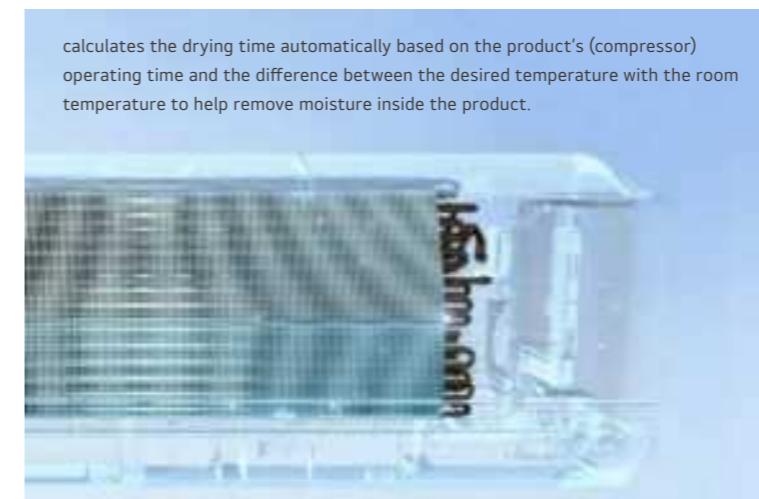


※ The Image shown above varies by model.

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Auto Clean⁺

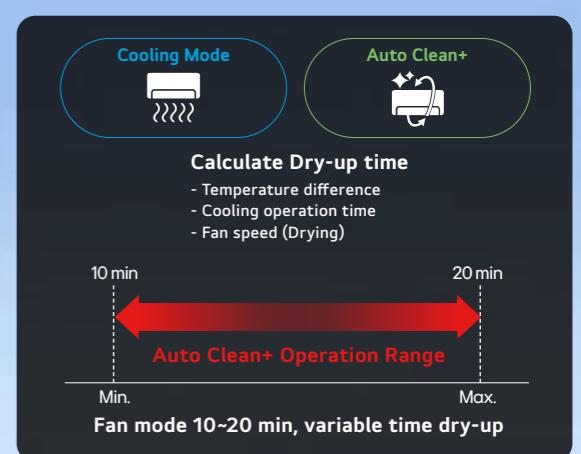
Automatically dries any moistures inside the air conditioner to ensure it's always clean.



※ The Auto Clean+ operating time is automatically set according to the appliance usage conditions, and the progress status is displayed as the remaining minutes on the indoor unit display.
※ The AI dry time is automatically set up to 20 minutes. (for ARTCOOL Gallery, 15 to 25 min)
※ Through the ThinQ app, customer can set the wind speed and adjust the drying speed.
※ The drying condition inside the appliance may be differently depending on the temperature or humidity of the indoor air.

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※ Specifications may vary for each model.

Hygienic Air Care



A new air conditioner designed to seamlessly integrate with your senses and interior.

LG ARTCOOL™ Gallery

Premium / Special



Key Feature

Explore the ARTCOOL 2nd Evolution Gallery – an interior masterpiece.

Art Display (27" Full HD LCD)

Experience a 27" Full HD LCD display incorporated into the air conditioning unit. Customize the screen to suit your mood and preferences.



Wood Frame Design
Featuring a modern and luxurious design that seamlessly harmonizes with any space.



The ARTCOOL Gallery has Excellence Design Awards from the IDEA.
(International design excellence awards)

Create the interior settings using the LG ThinQ App

Choose up to 20 photos from your phone and send them to Look at Me through the ThinQ app, allowing you to view them on the air conditioner.

Setting Click → Select Style on Cover Screen → Select Image or Video & Click → Preview



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Anytime, Anywhere!

LG DUALCOOL™ with Voice Control

powered by ThinQ



Key Feature

Elevate your daily routine with ThinQ



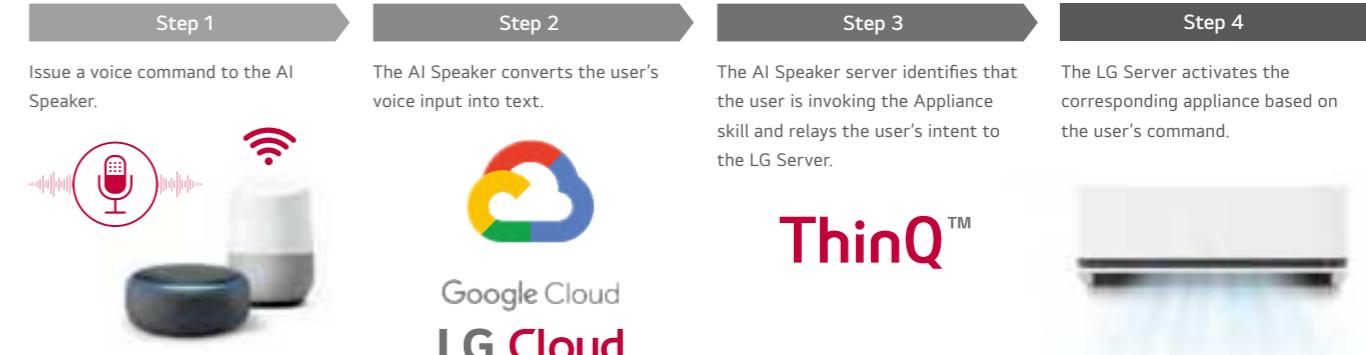
Voice control for an enhanced lifestyle

- Intuitive control for convenient, anytime, anywhere access.
- Enjoy increased comfort made accessible and simple for everyone.
- Save time without the burden of searching for the remote control.

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Simple voice control for convenience and accessibility

Experience the ease of simple voice control, saving you valuable time otherwise searching for the remote control. DUALCOOL models are also compatible with AI speakers like ThinQ with Google Assistant, Google Home, and more. Say goodbye to pressing buttons – use your voice instead.



※ Smart features and voice assistant product may vary by country and model. Check with your local retailer or LG for service availability.

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WALL MOUNTED



ARTCOOL GALLERY PREMIUM
ARTCOOL GALLERY SPECIAL
ARTCOOL AI AIR MIRROR
ARTCOOL MIRROR

DUALCOOL AI AIR PREMIUM
DUALCOOL AI AIR DELUXE
DUALCOOL AI AIR SPECIAL
DUALCOOL SPECIAL PC
DUALCOOL SPECIALEC
DUALCOOL PRO

MODEL	kBtu	5	7	9	12	15	18	24		
	kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0		
LG ARTCOOL™	Gallery Premium					<input type="radio"/> ● A09GA2.NSE	<input type="radio"/> ● A12GA2.NSE			
	Gallery Special					<input type="radio"/> ● A09GA1.NSE	<input type="radio"/> ● A12GA1.NSE			
	AI AIR Mirror				<input type="radio"/> ● AA09SPNS1	<input type="radio"/> ● AA12SPNS1		<input type="radio"/> ● AA18SPNS1		
	Mirror			<input type="radio"/> ● AM07BK.NSJ	<input type="radio"/> ● AC09BK.NSJ	<input type="radio"/> ● AC12BK.NSJ		<input type="radio"/> ● AC18BK.NSK	<input type="radio"/> ● AC24BK.NSK	
LG DUALCOOL™	AI AIR Premium					<input type="radio"/> ● H09S1PA.NS1	<input type="radio"/> ● H12S1PA.NS1			
	AI AIR Deluxe					<input type="radio"/> ● H09S1DA.NS1	<input type="radio"/> ● H12S1DA.NS1			
	AI AIR Special					<input type="radio"/> ● P09SND.NS0	<input type="radio"/> ● P12SND.NS0			
	Special PC			<input type="radio"/> ● PM05SK.NSA	<input type="radio"/> ● PM07SK.NSA	<input type="radio"/> ● PC09SC.NSJ	<input type="radio"/> ● PC12SC.NSJ	<input type="radio"/> ● PM15SK.NSJ	<input type="radio"/> ● PC18SC.NSKT	<input type="radio"/> ● PC24SC.NSKT
Special EC										
				<input type="radio"/> ● MS07ET.NSA	<input type="radio"/> ● S09EC.NSJ	<input type="radio"/> ● S12EC.NSJ		<input type="radio"/> ● S18EC.NSKS	<input type="radio"/> ● S24EC.NSKS	
Pro						<input type="radio"/> ○ W09TI.NEU	<input type="radio"/> ○ W12TI.NEU		<input type="radio"/> ○ W18TI.NEU	<input type="radio"/> ○ W24TI.NEU

※ Refer to multi split line up for 5, 7, 15 kBtu indoor unit connection.

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MODEL	kBtu	5	7	9	12	15	18	24	
	kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0	
LG ARTCOOL™	Gallery Premium					<input type="radio"/> ○ A09GA2.U18	<input type="radio"/> ○ A12GA2.U18		
	Gallery Deluxe					<input type="radio"/> ○ A09GA1.U18	<input type="radio"/> ○ A12GA1.U18		
	AI AIR Mirror					<input type="radio"/> ○ AA09SPU18	<input type="radio"/> ○ AA12SPU18	<input type="radio"/> ○ AA18SPU18	
	Mirror					<input type="radio"/> ○ AC09BK.UA3	<input type="radio"/> ○ AC12BK.UA3	<input type="radio"/> ○ AC18BK.UL2	<input type="radio"/> ○ AC24BK.U24
LG DUALCOOL™	Premium					<input type="radio"/> ○ H09S1PA.U18	<input type="radio"/> ○ H12S1PA.U18		
	Deluxe					<input type="radio"/> ○ H09S1DA.U12	<input type="radio"/> ○ H12S1DA.U12	<input type="radio"/> ○ H18S1DA.U18	<input type="radio"/> ○ H24S1DA.U24
	AI AIR Special					<input type="radio"/> ○ P09SND.U12A	<input type="radio"/> ○ P12SND.U12A		
	Special PC					<input type="radio"/> ○ PC09SC.UA3T	<input type="radio"/> ○ PC12SC.UA3T	<input type="radio"/> ○ PC18SC.UL2T	<input type="radio"/> ○ PC24SC.U24T
Special EC						<input type="radio"/> ○ S09EC.UA3S	<input type="radio"/> ○ S12EC.UA3S	<input type="radio"/> ○ S18EC.UL2S	<input type="radio"/> ○ S24EC.U24S
						<input type="radio"/> ○ W09TI.UEU	<input type="radio"/> ○ W12TI.UEU	<input type="radio"/> ○ W18TI.UEU	<input type="radio"/> ○ W24TI.UEU

● : Applied to Single & Multi / ○ : Applied to only Single

Category	LG ARTCOOL™												LG DUALCOOL™												
	Gallery Premium		Gallery Special		AI AIR Mirror			Mirror			AI AIR Premium		AI AIR Deluxe			AI AIR Special			Special PC			Special EC			
Product Grade Naming																									
BTU	9K	12K	9K	12K	9K	12K	18K	9K	12K	18K	24K			9K	12K	9K	12K	18K	24K	9K	12K	9K	12K	18K	24K
CORE TECH	AI DUAL Inverter™ HeatPump Compressor™	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●
	AI Air					●	●	●						●	●	●	●	●	●	●	●	●			
	ThinQ UP	●	●			●	●	●						●	●	●	●	●	●	●	●	●	●	●	●
	Soft Air					●	●	●						●	●	●	●	●	●	●	●	●	●	●	●
	Dual Vane					●	●	●						●	●	●	●	●	●	●	●	●	●	●	●
COMFORT	Sleep Timer+					●	●	●						●	●	●	●	●	●	●	●	●	●	●	●
	Comfort Humidity Control	○	○	○	○	○	○	○	○	○	○			○	○	○	○	○	○	○	○	○	○	○	○
	AI kW Manager							○	○	○	○			○	○	○	○	○	○	○	○	○	○	○	○
	Human Detecting Sensor							●	●	●	●			●	●										
	Window Open Detecting							●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●
ENERGY SAVING	Low Heating							●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●
	Active Energy Control							●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●
	All Cleaning								○	○	○			○	○	○	○	○	○	○	○	○	○	○	○
	Auto Clean ⁺	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●
	Freeze Cleaning™	○	○	○	○	○	○	○	○	○	○			○	○	○	○	○	○	○	○	○	○	○	○
HEALTH	Plasmaster™ Ionizer ⁺⁺	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●
	Allergy Filter							●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●
	UVnano™								●	●	●			●	●	●	●	●	●	●	●	●	●	●	●
	Auto Cleaning									●	●			●	●	●	●	●	●	●	●	●	●	●	●
	Low Refrigerant Detection	○	○	○	○	○	○	○	○	○	○			○	○	○	○	○	○	○	○	○	○	○	○
SMART	Embedded Wi-Fi	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●
	Smart Diagnosis	○	○	○	○	○	○	○	○	○	○			○	○	○	○	○	○	○	○	○	○	○	○
	Mobile LG MV	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●
	Voice Control	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●
	GoldFin™	○	○	○	○	○	○	○	○	○	○			○	○	○	○	○	○	○	○	○	○	○	○
MULTI-MODE	Multi Compatible	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●

※ ThinQ UP feature is under development and is scheduled to be launched step by step and may vary by country and model.
※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

powered by
AI DUAL Inverter™ HeatPump Compressor™

What is the Dual Inverter HeatPump Compressor?

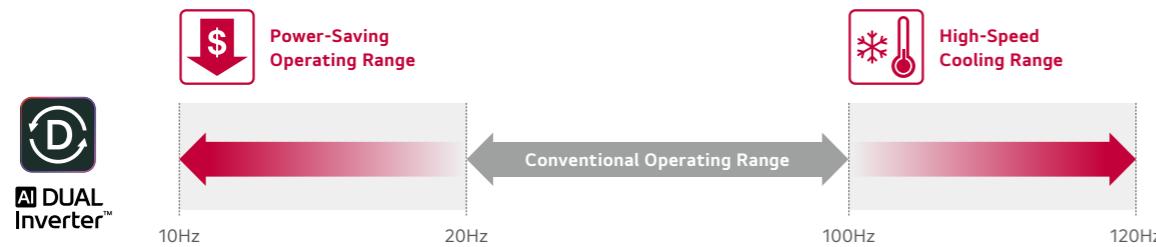
A compressor is the heart of an air conditioner. LG's Dual Inverter HeatPump Compressor solves conventional compressor problems, resulting in an air conditioner that cools faster, lasts longer, and runs quieter.



How It Works

Varied-Speed Dual Rotary

A compressor motor with a wider rotational frequency that is energy efficient and has a higher volumetric quick cooling capacity than any conventional compressors.



※ Dual Inverter HeatPump Compressor is applied to Single Split only.

Low Noise

LG air conditioners operate at 19dB low noise level.

How It Works

LG's Unique Skew Fan

By minimizing the surface pressure of the fan blade when in contact with the air, the noise produced by the air conditioning unit is reduced to a remarkably low level.

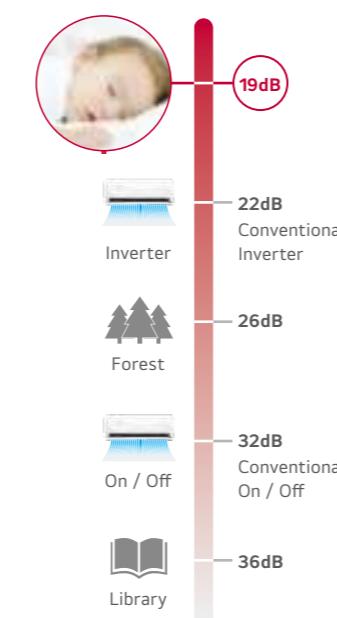


ALVC (Active Low Vibration Control)

A speed-error component estimates the load to compensate for imbalances, which are the primary causes of vibration and noise, enabling the rotation of the motor without vibration at low Hz levels.



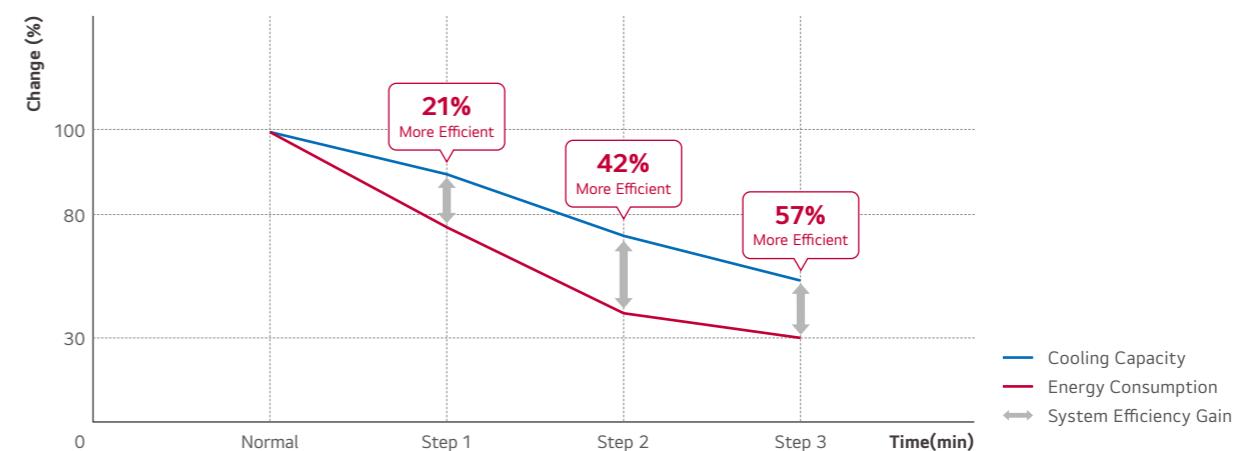
Benefit



Active Energy Control

LG's Active Energy Control operates in four steps, dynamically adjusting both energy consumption levels and cooling capacity. This is achieved through precise control of the maximum frequency of the compressor motor.

Concept & Benefit



※ Test Conditions : Normal Temperature (Indoor Temperature at the Cooling Mode : 28°C, Outdoor Temperature : 32°C)
 ※ Test Model : DC12RH

※ Depending on the experimental conditions.
 ※ When connected to Multi ODU, this function may not be supported.
 ※ Active Energy Control works only cooling mode.

How It Works

STEP 1 100% Energy Usage

Suitable for many people and high-activity levels.



STEP 2 80% Energy Usage

Ideal for fewer people and moderate-activity levels.



STEP 3 60% Energy Usage

Designed for even fewer people and low-activity levels.



STEP 4 40% Energy Usage

Intended for the fewest people with no activity.



※ The form of the remote control and the arrangement of the buttons may be different for the product.

※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
 ※ Specifications may vary for each model.

Fast Cooling

The cool airflow rapidly reaches all the corners of the room, keeping the space cool and comfortable.

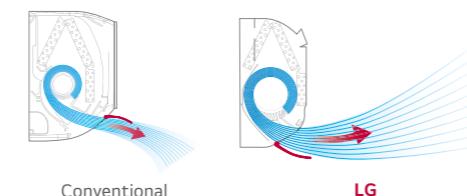
How It Works

Bigger Skew Fan
Experience a 25% larger skew fan that generates highly powerful air blasts for efficient cooling.

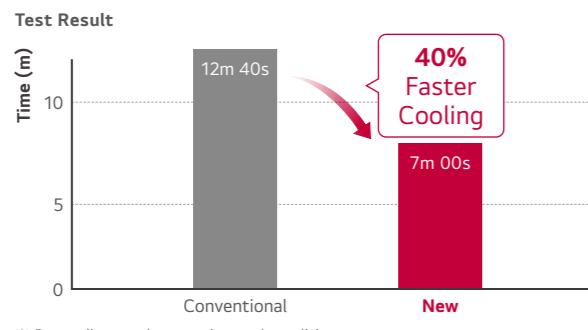


Cooling Outlet

The larger and optimally designed cooling outlet ensures broader coverage, rapidly cooling larger areas for a more comfortable environment.



Test Result



※ 26.5°C Reach Time Comparison
※ Test Model
- Conventional : TS-H2465DAO
- New : US-Q242Kxy0
※ Test Conditions :
Indoor temperature 33°C, Outdoor temperature 35°C,
Relative humidity 60%, Setting temperature 26°C
Test room size : 4.3 m x 7.0 m x 2.3 m

※ Depending on the experimental conditions.

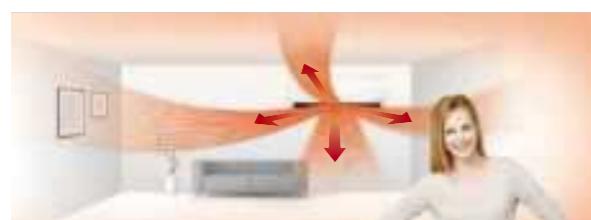
Fast Heating

LG Residential Air Conditioners satisfy user needs by consuming less energy and heating a wider space in a shorter period. This creates a warm and comfortable living environment.

How It Works

4 Way Auto Swing (Easy Airflow Control)

The 4-Way Auto Swing feature adjusts airflow dynamically based on the surrounding environment. This ensures the optimal distribution of warm air throughout living areas, facilitating quick and efficient heating.

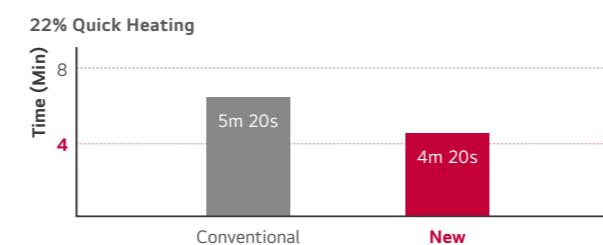


Vertical Airflow

During heating, the vane directs warm air downward, ensuring a pleasant and balanced room temperature.

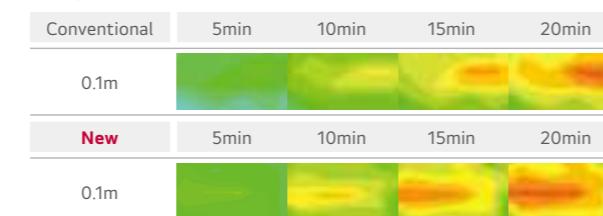


Benefit & Test Result



※ Test Conditions :
Outdoor temperature : 7°C, Indoor temperature : 12°C,
Humidity : 87%, Remote control : 30°C Power

Changes in Temperature Over 20 Minutes



※ Test Conditions :
Outdoor temperature : 7°C, Indoor temperature : 12°C,
Humidity : 87%, Remote control : 30°C Power

※ Depending on the experimental conditions.

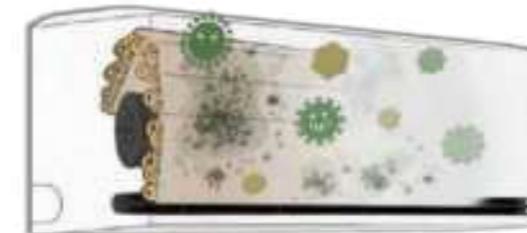
※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
※ Specifications may vary for each model.

Freeze Cleaning™

Experience continuous freshness as our innovative Freeze Cleaning technology ensures a clean evaporator, allowing the passage of fresh and pure air.

Pain Point

When using an air conditioner, concerns often arise regarding the cleanliness of the air it produces. The interior of an air conditioner, being a dark and humid environment, is prone to contamination by dust and bacteria.



Contamination with Dust & Bacteria

How It Works

The "Freeze Cleaning" process involves creating an ice layer that effectively separates odor-causing substances, including dust and bacteria accumulated on the evaporator. When the ice melts, these contaminants are efficiently washed away with the drain water, ensuring a thorough cleaning mechanism.



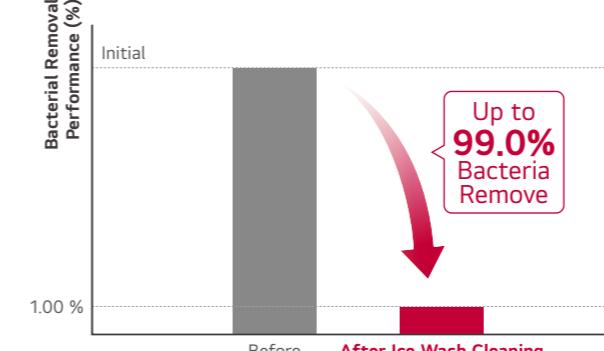
※ Working condition : 21 ~ 32°C (Indoor) / 21 ~ 37°C (Outdoor)
※ The "Freeze Cleaning" mode can activate through ThinQ only.

Benefit & Verification

Periodically clean the interior of the air conditioner, a typically challenging maintenance task, to keep the evaporator consistently clean.

Test Result (Bacterial Removal Performance)

Our "Freeze Cleaning" function has been rigorously tested and proven to remove up to 99.0% of residual bacteria on the evaporator, ensuring a hygienic and healthy environment.



※ This test result obtained a test report on Pseudomonas aeruginosa 99.0% reduction rate from an internationally recognized laboratory, which may vary depending on the actual environment.
※ Test institution : TÜV Rheinland
※ Test Model : SQ07EDETHN(SE), SQ06BDAWAJ(SA), SQ07SDJBAN(SJ), SQ09MDKWAN(SK)
※ Test bacteria : Up to 99% reduction rate of "Pseudomonas aeruginosa" confirmed
※ When connected to Multi ODU, this function may not be supported



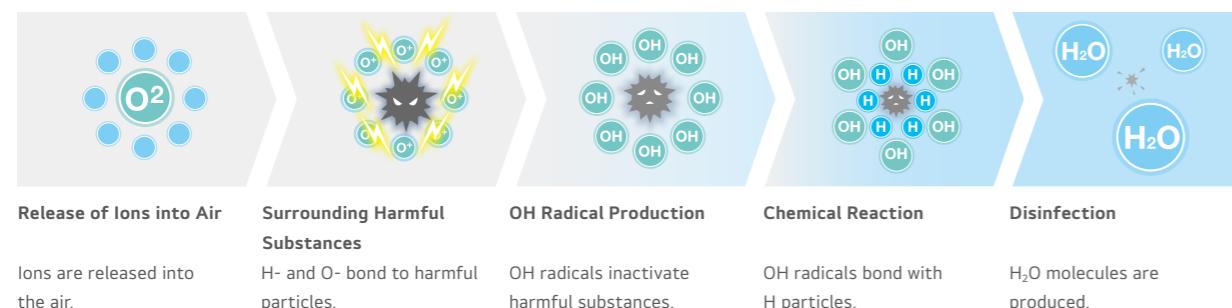
Plasmaster™ Ionizer++

The powerful Plasmaster™ Ionizer++ removes unpleasant odors, along with Escherichia coli and Staphylococcus on surfaces, using over 8 million ions. Experience a safer, cleaner indoor environment.

How It Works

Reduction and Deodorization (Utilizes Over 8 Million Ions)

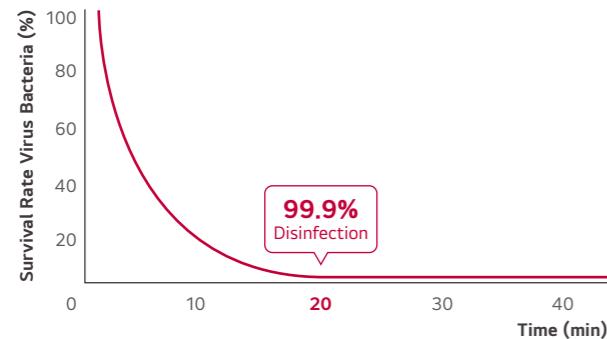
Plasmaster Ionizer+ reduces E.coli and Staphylococcus in the surface with over 8 million ions.



Test Result

Effective Reduction Performance

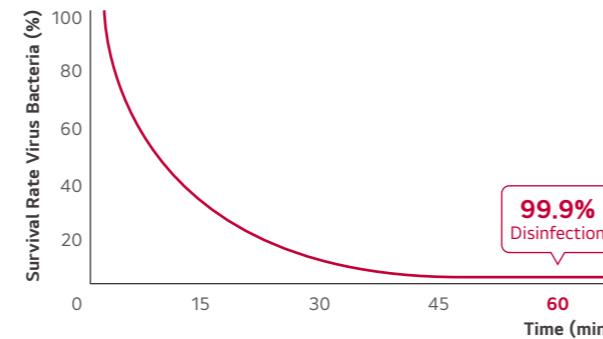
Remove Bacteria E.coli over 99.9% in 20 min



※ Test Conditions :
Space : 30m³ Chamber (Measuring with the specimen in the center of test chamber)
Temperature & Humidity : Normal
Bacteria : Escherichia coli
Verified by Intertek & TUV Rheinland

Effective Reduction Performance

Remove Staphylococcus aureus over 99.9% in 60 min



※ Test Conditions :
Space : 30m³ Chamber (Measuring with the specimen in the center of test chamber)
Temperature & Humidity : Normal
Bacteria : Staphylococcus Aureus
Verified by Intertek & TUV Rheinland

Benefit & Verification

The LGE's ionizer, known as "Plasmaster Ionizer Plus," has demonstrated the capability to remove more than 99.9% of bacteria, including Escherichia coli, Pseudomonas aeruginosa, and Staphylococcus aureus.



※ Depending on the experimental conditions.

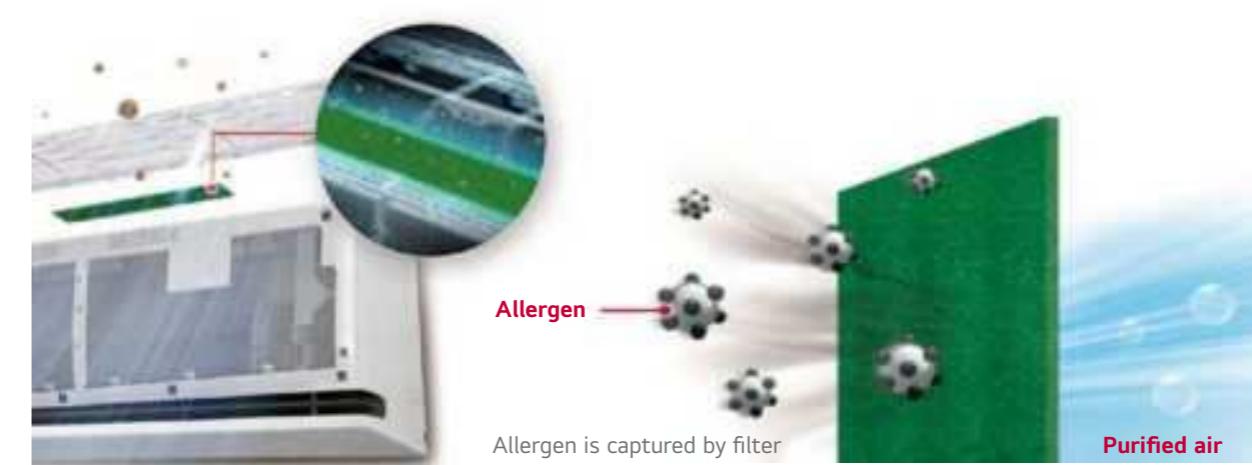
※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
※ Specifications may vary for each model.

Allergy Filter

While airflow from an air conditioner may trigger symptoms associated with allergies or asthma, LG units feature an interior filter designed to absorb harmful particles such as dust mites, pollen, fungi, and mold that circulate in the air. This ensures a cleaner and more allergen-free environment.

How It Works

Removes allergy-causing substances, such as dust mites that can be found in the air.



Certification



Certified by AllergyUK

※ Test Condition Disclaimer
A filter is coated to absorb harmful substances that can cause allergies.
The air conditioner strongly absorbs indoor air and removes allergy-causing substances, such as house dust mite, fungi, mold, floating in the air.

Allergy UK (a world-renowned organization) is a British medical charity dedicated to helping adults and children with their allergies. The charity was founded in 1991 as the British Allergy Foundation, and in 2002 the operational name of the charity became Allergy UK. Allergy UK endorses certain products that restrict or remove high levels of allergens and gives them a Seal of Approval.

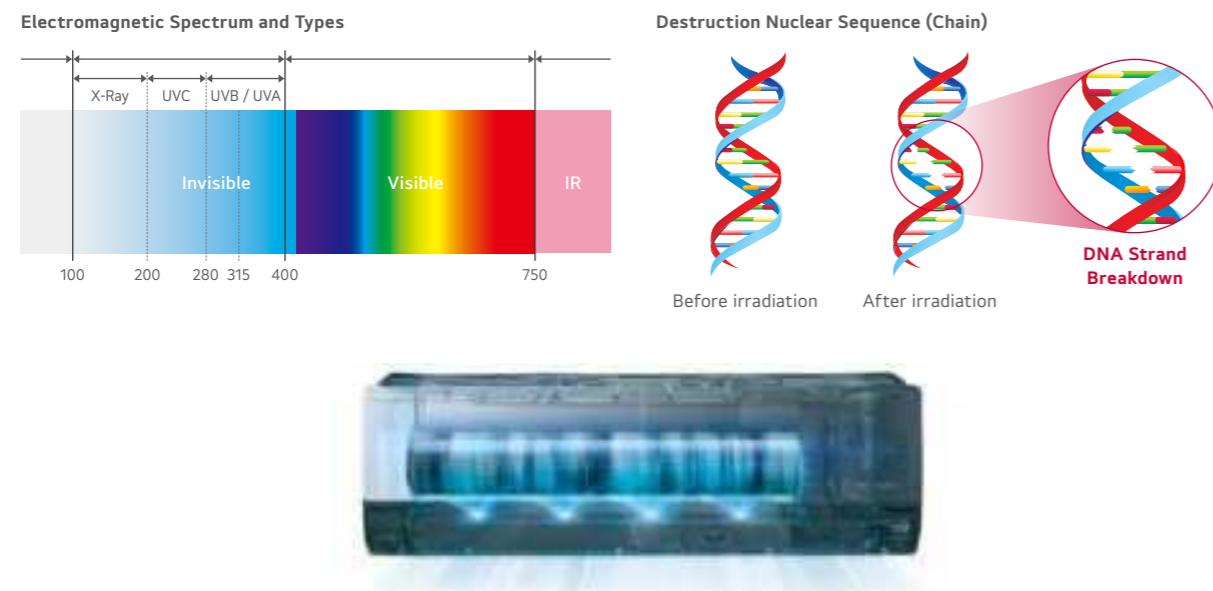
UVnano™

LG DUALCOOL, keeping the fan (inside the unit) 99.99% bacteria-free with ultraviolet light to ensure that the air passing through is clean too.

What Is UVnano™ and How It Works?

- Emit Ultraviolet rays of UVC wavelength directly damage the DNA of microorganisms (bacteria/mold/viruses) making it impossible for them to multiply.
- High absorption into DNA at 260 to 270 nm wavelengths

DNA Absorption Efficiency by Wavelength



UVC Applied Product



Benefit & Verification

Keep the fan 99.99% bacteria-clean for a cleaner breeze.



Removes up to **99.99%** of bacteria from the internal fan.



※ Test Condition
 - Test Model : S3NM12JL1GA(SJ), S3NM24K21GA(SK)
 - Test Standard : LG test method with referenced to ISO 20743:2007
 - Bacteria : Staphylococcus aureus, Staphylococcus epidermidis, Klebsiella pneumoniae

※ UVnano is an integrated marketing name that applies LG Electronics' entire home appliances and it is a compound of the words UV (ultraviolet) and nanometer (unit of length).

※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
 ※ Specifications may vary for each model.

Auto Cleaning

The interior of the air conditioner is maintained clean by drying off the heat exchanger, then cleaning the interior once more.

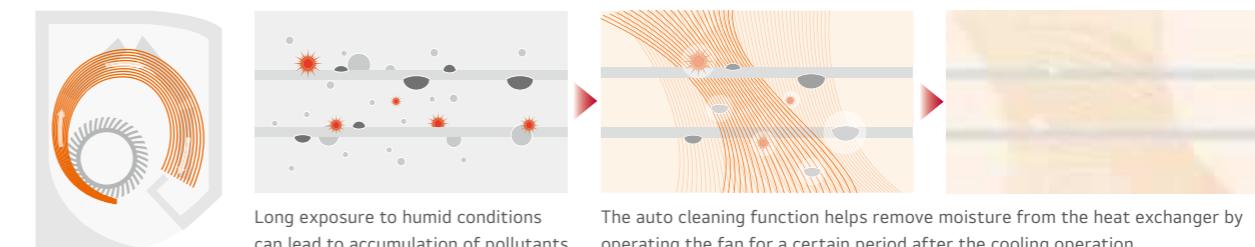
Pain Point

After the air conditioner operates in cooling mode, the inside of the air conditioner becomes humid, making it easier to smell and contaminate. Cleaning the inside of the air conditioner is especially difficult, and many customers are curious about how to maintain it.



How It Works

Dry-up Evaporator with proper air flow



Long exposure to humid conditions can lead to accumulation of pollutants inside the air conditioner, making it difficult to expect clean air the next time you turn it on.

The auto cleaning function helps remove moisture from the heat exchanger by operating the fan for a certain period after the cooling operation.

Benefit

Keeps the evaporator clean for fresh wind pass through

Auto Cleaning function helps maintain the cleanliness of the heat exchanger by periodically drying the inside of the air conditioner, which is difficult to manage.

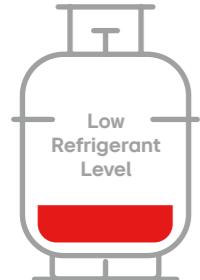
Low Refrigerant Detection

Receive early notifications of low refrigerant levels to safeguard your air conditioner from potential damage.

How It Works

Early Detection of Low Refrigerant Levels

The Air Conditioner features an automatic shutdown mechanism upon detecting low refrigerant levels, ensuring proactive protection.



3 Checkpoints for Low Refrigerant Level

- 1 The heat exchanger temperature is relatively cool.
- 2 The outdoor unit is functioning correctly.
- 3 Energy consumption adheres to a standard pattern.



If any of the above conditions are not met, for a maximum of four instances, after 15 minutes of Air Conditioner operation, a low refrigerant level is detected, triggering an automatic shutdown for enhanced system safety.

※ This function only works under the following conditions
 - Indoor/Outdoor temperature is at least 20°C
 - Cooling and dehumidification mode

Benefit

Longer Lifespan for Air Conditioner



Inside Insulator Melting Oil Fire Rotor Burnout



When a low refrigerant level is detected, the display alternately shows "CH" and "38" to provide a clear visual indication of the issue.

※ Depending on the experimental conditions.

※ When connected to Multi ODU, this function may not be supported.

※ Some models show CH and 38 alternately on the display.

Low Heating

Protect Your Home, Even When You're Away.

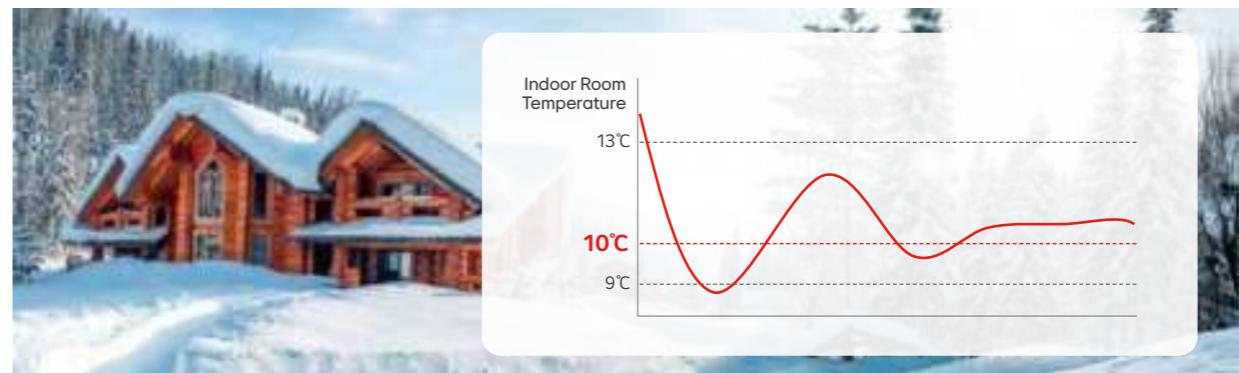
Pain Point

Worry less about the cold wreaking havoc on your home while you're away. Freezing temperatures can damage tap water systems, furniture, and household appliances, leaving you with costly repairs and discomfort.



How It Works

Activate the Low Heating function to maintain a safe room temperature, even when you're not home. Instead of stopping completely, the air conditioner regulates the room temperature to around 10°C. If the temperature drops to 9°C, the system activates the compressor to restore it to 10°C. This gentle maintenance prevents freezing while conserving energy.



※ This function is only available with the Heating mode. "LH" is displayed on the indoor unit. During "Low Heating" mode operation, the fan speed of the indoor unit is fixed by high winds, and the fan speed and wind direction of the indoor unit cannot be controlled.

Benefit

With Low Heating, you can travel with peace of mind, knowing your living space is protected from freezing temperatures. Minimal heating ensures comfort and safety for your home while keeping energy consumption low.



Embedded Wi-Fi

Effortlessly manage your air conditioners using Android or iOS smartphones with the embedded Wi-Fi feature.

ThinQ

Download the ThinQ app from Google or Apple app stores.



How It Works

① Turn on "ThinQ" on your air conditioner

Benefit from the embedded Wi-Fi modem and enjoy unlimited innovation.



③ Enjoy Unlimited Innovation

Once registered, experience seamless connectivity and explore the innovative features offered through ThinQ.

Wi-Fi Connectivity

Experience individualized comfort with Wi-Fi connectivity. Each family member can customize the air conditioner temperature and fan speed using their app, saving preferences for future use. These personalized settings can be stored for each specific air conditioner.

Multiple Devices



Multi-Control



※ Can be controlled by multiple users, but not simultaneously.

Benefit

Simple operation for various functions



Straight-forward management



※ For our policy of continuous ThinQ App improvement, specification, design and features are subject to change without prior notice.

※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
※ Specifications may vary for each model.

② Easy Registration and Log-in

Follow the interactive setup steps to activate ThinQ's impressive features by setting up your LG Account.



Integrated Home Appliances Control

Monitor and control your LG appliances from one place.



Access your air conditioner anytime and from anywhere

with a Wi-Fi equipped device and LG's exclusive control app, ThinQ.



Smart Diagnosis

Smart Diagnosis allows you to monitor the health of your air conditioner remotely.

What is Smart Diagnosis?

Smart Diagnosis allows users to conveniently check setup, installation, troubleshooting and other information directly from a smartphone.

※ Builds upon widespread smartphone use and offers greater USP diversification

※ Perfect for consumers who are unable to view information about their air conditioner via a display or remote control.

How It Works

When connected to Wi-Fi

By using "ThinQ" App and clicking "Start Smart Diagnosis", monitor and check diagnosis results conveniently via Wi-Fi.

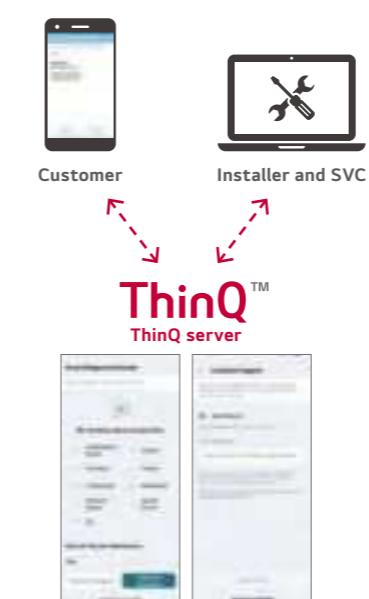


When not connected to Wi-Fi (Audible Diagnosis)



Benefit

Easily understandable error messages simplify the process of identifying solutions and make reaching out to the service center simple and convenient.



For Consumer

- Easily check the operational status of a product, even without a display or with limited information.

- Save energy by monitoring key operational information and power consumption.

- Utilize the Maintenance Guide to enhance device performance and increase the product's lifespan.



For Installer and SVC

- Gain a better understanding of the product by easily confirming operational status and information.

- Intuitively diagnose problems by comparing current and past usage data.

- Maintain installation capabilities and reduce errors by quickly confirming device operational status.

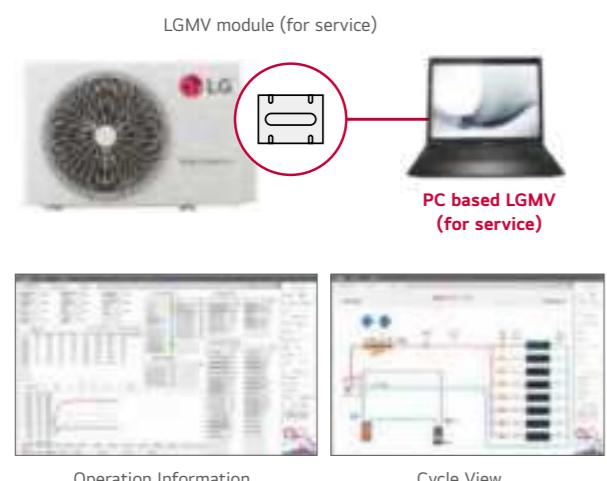
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Mobile LGMV (Monitoring View)

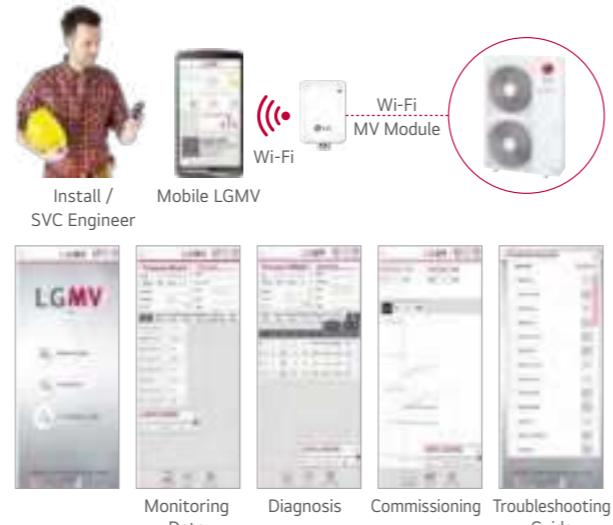
LG MV simplifies the inspection (diagnosis) and monitoring of air conditioning units for engineers, allowing easy access through your smartphone or PC.

PC Version



- IDU & ODU Information
- Cycle & Valves
- Sensors & Electricity
- Cycle Diagram
- Actuator Information

Smartphone Version



Technicians can not only review cycle information through diagrams and graphs but can also easily check error statuses (Troubleshooting guide) and take immediate action.

※ For Android or iOS Users: Search for "Mobile LGMV" on Google Play or the Apple Store and proceed with the download.
※ Additional Requirement: A Wi-Fi modem (PWFMD200) is required as an optional accessory.

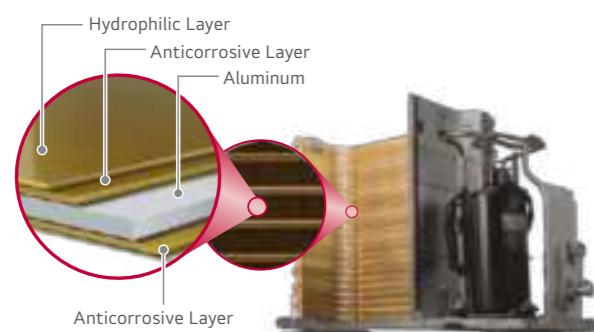
Gold Fin™

The Gold Fin™ coating protects the surface of the heat exchanger from unnecessary wear and corrosion.

How It Works

Corrosion-resistant protective layer

The gold-colored special coating on the fin of the heat exchanger prevents corrosion, extending the life of the unit.



※ Depending on the experimental conditions.

Test Result



※ Test Condition
- Test standard : ISO9227:2017, ISO10289:1999, ASTM B 117 Salt spray test
- Test Sample : Al Fin sheet (100μm, 70 X 150 mm) + Organic Coating (1.65g/m²)
- Setting Condition : (35±2)°C, 6.5 - 7.2 pH, (5±1)% NaCl salt fog spray, 5000 h
- Test Result : Not More than 0.05% of corrosion area ratio. (over R.N. 9.5)



TÜV Verify that the corrosion improved "Gold II Fin" has less than 0.05% corrosion area after 5000 hours salt spray test. TÜV has verified that the corrosion area of Gold Fin™ is not more than 0.05% (over R.N. 9.5)

※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
※ Specifications may vary for each model.



LG participates in the ECP programme for EUROVENT AC program.
Check ongoing validity of certification : www.eurovent-certification.com

Masterpiece of Your Interior: ARTCOOL Gallery Premium

Transform your space with the perfect blend of functionality and art. The ARTCOOL 2nd Evolution Gallery seamlessly integrates style, technology, and comfort into your home.

- Stylish Design: A wood frame with an interior design aesthetic (optional black frame) elevates any room's décor.
- FHD Display: A 27-inch full HD display graces the front panel, offering dynamic customization.
- Personal Touch: Easily upload and change images or showcase your own photos via the LG ThinQ app, making it uniquely yours.
- Entertainment Hub: Enjoy videos and music with built-in 5W speakers (2 EA) for a richer experience.
- Smart Display: The air conditioner widget keeps you informed about energy usage, maintenance needs, and operational status at a glance.
- Smartphone Integration: Mirror your Android smartphone to the ARTCOOL Gallery for a larger display (Android OS only).
- Comfort & Hygiene
- 3D Indirect Airflow & Hidden Vane Control: Provides optimal cooling without the discomfort of direct wind.
- PlasmaMaster™ Ionizer++: Removes 99.9% of adhering bacteria for cleaner air.
- Freeze Cleaning & Auto Clean+: Ensures the unit stays spotless with innovative cleaning modes.
- Comfort Humidity Control: Maintains a perfectly balanced environment.

With the ARTCOOL 2nd Evolution Gallery, you're not just getting an air conditioner—you're elevating your interior with a masterpiece of design and technology.

Single Combination

	A09GA2.SSE	A12GA2.SSE
Capacity	Cooling Min ~ Rated ~ Max kW 0.89 / 2.6 / 3.7 Heating Min ~ Rated ~ Max kW 0.89 / 3.3 / 4.1 Heating -7 °C Max kW 2.6	0.89 / 3.7 / 4.0 0.89 / 4.0 / 4.7 3.2
Power Input	Cooling Min ~ Rated ~ Max W 200 / 623 / 1,400 Heating Min ~ Rated ~ Max W 200 / 808 / 1,650	200 / 1,057 / 1,450 200 / 1,078 / 1,650
Running Current	Cooling Min ~ Rated ~ Max A 1.1 / 3.0 / 6.0 Heating Min ~ Rated ~ Max A 1.1 / 3.7 / 7.2	1.1 / 4.6 / 6.2 1.1 / 4.8 / 7.2
EER	W/W 4.17	3.5
SEER	- 7.3	7.0
COP	W/W 4.08	3.71
SCOP (Average / Warmer)	- 4.3 (5.0)	4.3 (5.0)
P design C / P design H	kW 2.6 / 2.8	3.7 / 2.8
Energy Label Grade (A+++ to D Scale)	Cooling - A++ Heating (Average/Warmer) - A+ (A++)	A++ A+ (A++)
Annual Energy Consumption	Cooling kWh 124 Heating (Average/Warmer) kWh 911 (413)	184 911 (413)
INDOOR UNIT	A09GA2.NSE	A12GA2.NSE
Dimensions (W x H x D)	Net mm 652 x 158 x 652 Shipping mm 744 x 235 x 736	652 x 158 x 652 744 x 235 x 736
Weight	Net kg 20	20
Air Filter Type	Prefilter (Washable)	Prefilter (Washable)
Air Flow Rate	Cooling SH / H / M / L m ³ /min 11.0 / 10.0 / 8.0 / 6.0 Heating SH / H / M / L m ³ /min 11.0 / 10.0 / 8.0 / 6.0	11.0 / 10.0 / 8.0 / 6.0 11.0 / 10.0 / 8.0 / 6.0
Sound Pressure Level	Cooling SH / H / M / L / SL dB(A) - / 42 / 36 / 28 / 20 Heating SH / H / M / L dB(A) - / 42 / 36 / 28	- / 42 / 36 / 28 / 20 - / 42 / 36 / 28
Sound Power Level	dB(A) 60	60
Dehumidification Rate	l/h 1.1	1.3
Drain Hose Size	O.D. I.D. mm 21.5, 16	21.5, 16
OUTDOOR UNIT	A09GA2.U18	A12GA2.U18
Dimensions (W x H x D)	Net mm 770 x 545 x 288 Shipping mm 920 x 593 x 388	770 x 545 x 288 920 x 593 x 388
Weight	Net kg 29.9	29.9
Operation Range	Cooling °C DB -15 ~ 48 Heating °C DB -15 ~ 24	-15 ~ 48 -15 ~ 24
Power Supply	Ø, V, Hz 1,220 ~ 240, 50	1,220 ~ 240, 50
Sound Pressure Level	Cooling Rated dB(A) 50 Heating Rated dB(A) 53	50 53
Sound Power Level	dB(A) 62	62
Air Flow Rate	Max m ³ /min 35.0	35.0
Circuit Breaker	A 15	15
Power Supply Cable	No. x mm ² 3 x 1.0	3 x 1.0
Power and Communication Cable	No. x mm ² 4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Refrigerant	Type / GWP (Global Warming Potential) R32 / 675 Pre Charged Amount / t-CO ₂ eq kg 0.8 / 0.540	R32 / 675 0.8 / 0.540
Piping	Chargeless m 10.0 Additional Charge g/m 20	10.0 20
Between Indoor & Outdoor	Piping Length Min / Standard / Max 3 / 7.5 / 20 No Charge (Chargeless) m 10.0	3 / 7.5 / 20 10.0
Compressor	Max. Elevation Difference m 10.0	10.0
	Type Inverter Twin Rotary	Inverter Twin Rotary
ACCESSORIES & OTHERS		
Multi Compatible		Y
PI 485		Y
Dry Contact		Y
Wired Remote Controller		Y

* : Sound Pressure is not a value declared on Eurovent Program.

※ This product contains Fluorinated greenhouse gases (R32).

※ S : Sleep / L : Low / M : Medium / H : High

※ GWP : Global warming potential

※ t-CO₂eq : F-gas(kg)*GWP/1000

※ Y : Available or Applied / - : Not Available or Not Applied

※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.



Designed Air Conditioner to Fit Perfectly into Anywhere

- ARTCOOL 2nd Evolution ARTCOOL GALLERY SPECIAL to seamlessly integrate with your senses and interior
- Wood frame, Interior design style (Black frame is option)
- Easily change images and display your own style
- Air Flow : 3D Indirect Air Flow, Hidden Vane Control, Plasmaster™ Ionizer++
- Comfort Humidity Control, Freeze Cleaning, Auto Clean+



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AI-Advanced Care with Your Interior and Lower Energy Consumption

- AI AIR adapts airflow with radar sensors for optimal comfort.
- Soft Air and Dual Vane deliver gentle, tailored cooling.
- When Soft Air is activated, the airflow comes out in three directions. (Front, Right, Left)
- Comfort Humidity Control ensures a perfectly balanced environment.
- High SEER provides top performance with lower energy consumption.
- AI kW Manager adjusts operations based on your energy-saving goals.
- Proactive features like Human Detection and Window Open Detection reduce energy waste.
- All Cleaning, Plasmaster™ Ionizer++, and Allergy Filter ensure hygienic air.
- Sleep Timer+ analyzes usage patterns for better nighttime comfort.
- Low Heating protects your home from freezing temperatures.



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Single Combination

EFFICIENT DATA			A09GA1.SSE	A12GA1.SSE
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.89 / 2.6 / 3.7
	Heating	Min ~ Rated ~ Max	kW	0.89 / 3.3 / 4.1
	Heating -7 °C	Max	kW	2.6
Power Input	Cooling	Min ~ Rated ~ Max	W	200 / 623 / 1,400
	Heating	Min ~ Rated ~ Max	W	200 / 808 / 1,650
Running Current	Cooling	Min ~ Rated ~ Max	A	1.1 / 3.0 / 6.0
	Heating	Min ~ Rated ~ Max	A	1.1 / 3.7 / 7.2
EER		W/W		4.17
SEER				7.3
COP		W/W		4.08
SCOP (Average / Warmer)				4.3 (5.0)
P design C / P design H		kW		2.6 / 2.8
Energy Label Grade (A+++ to D Scale)	Cooling	-		A++
	Heating (Average / Warmer)	-		A+ (A++)
Annual Energy Consumption	Cooling	kWh		124
	Heating (Average / Warmer)	kWh		911 (413)
INDOOR UNIT			A09GA1.NSE	A12GA1.NSE
Dimensions (W x H x D)	Net	mm	652 x 158 x 652	652 x 158 x 652
	Shipping	mm	744 x 235 x 736	744 x 235 x 736
Weight	Net	kg	16.7	16.7
Air Filter Type			Prefilter (Washable)	Prefilter (Washable)
Air Flow Rate	Cooling	SH / H / M / L	m ³ /min	11.0 / 10.0 / 8.0 / 6.0
	Heating	SH / H / M / L	m ³ /min	11.0 / 10.0 / 8.0 / 6.0
Sound Pressure Level	Cooling	SH / H / M / L / SL	dB(A)	- / 42 / 36 / 28 / 20
	Heating	SH / H / M / L	dB(A)	- / 42 / 36 / 28
Sound Power Level		dB(A)		60
Dehumidification Rate		l/h		1.1
Drain Hose Size	O.D, I.D	mm	21.5, 16	21.5, 16
OUTDOOR UNIT			A09GA1.U18	A12GA1.U18
Dimensions (W x H x D)	Net	mm	770 x 545 x 288	770 x 545 x 288
	Shipping	mm	920 x 593 x 388	920 x 593 x 388
Weight	Net	kg	29.9	29.9
Operation Range	Cooling	°C DB	-15 ~ 48	-15 ~ 48
	Heating	°C DB	-15 ~ 24	-15 ~ 24
Power Supply		Ø, V, Hz	1,220 ~ 240, 50	1,220 ~ 240, 50
Sound Pressure Level	Cooling	dB(A)	50	50
	Heating	dB(A)	53	53
Sound Power Level		dB(A)	62	62
Air Flow Rate	Max	m ³ /min	35.0	35.0
Circuit Breaker		A	15	15
Power Supply Cable		No. x mm ²	3 x 1.0	3 x 1.0
Power and Communication Cable		No. x mm ²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Type / GWP (Global Warming Potential)	-		R32 / 675	R32 / 675
Refrigerant	Pre Charged Amount / t-CO ₂ eq	kg	0.8 / 0.540	0.8 / 0.540
	Chargeless	m	10.0	10.0
	Additional Charge	g/m	20	20
Piping	Size	Liquid	ø 6.35	ø 6.35
		Gas	ø 9.52	ø 9.52
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	3 / 7.5 / 20	3 / 7.5 / 20
	No Charge (Chargeless)	m	10.0	10.0
Compressor	Max. Elevation Difference	m	10.0	10.0
	Type	-	Inverter Twin Rotary	Inverter Twin Rotary
ACCESSORIES & OTHERS			Y	Y
Multi Compatible			Y	Y
PI 485			Y	Y
Dry Contact			Y	Y
Wired Remote Controller			Y	Y

*: Sound Pressure is not a value declared on Eurovent Program.

*: This product contains Fluorinated greenhouse gases (R32).

*: S : Sleep / L : Low / M : Medium / H : High

*: GWP : Global warming potential

*: t-CO₂eq : F-gas(kg)*GWP/1000

*: Y : Available or Applied / - : Not Available or Not Applied

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Single Combination

EFFICIENT DATA			AA09SP.SS1	AA12SP.SS1	AA18SP.SS1
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.89 / 2.5 / 4.0	0.89 / 3.5 / 4.35
	Heating	Min ~ Rated ~ Max	kW	0.65 / 3.2 / 5.5	0.65 / 4.0 / 6.0
	Heating -7 °C	Max	kW	3.6	4.0
Power Input	Cooling	Min ~ Rated ~ Max	W	160 / 510 / 1,400	160 / 815 / 1,500
	Heating	Min ~ Rated ~ Max	W	160 / 640 / 1,600	160 / 850 / 1,750
Running Current	Cooling	Min ~ Rated ~ Max	A	1.3 / 3.1 / 6.0	1.3 / 3.75 / 6.5
	Heating	Min ~ Rated ~ Max	A	1.3 / 3.2 / 7.0	1.3 / 4.0 / 7.5
EER		W/W		4.90	4.29
SEER				9.7	9.5
COP		W/W		5.00	4.71
SCOP (Average / Warmer)				5.1 / 6.1	5.1 / 6.1
P design C / P design H		kW		2.5 / 2.8	3.5 / 2.8
Energy Label Grade (A+++ to D Scale)	Cooling	-		A+++	A+++
	Heating (Average/Warmer)	-		A+++ (A+++)	A+++ (A+++)
Annual Energy Consumption	Cooling	kWh		90	129
	Heating (Average/Warmer)	kWh		769 (344)	769 (344)
INDOOR UNIT			AA09SP.NS1	AA12SP.NS1	AA18SP.NS1
Dimensions (W x H x D)	Net	mm	935 x 307 x 235	935 x 307 x 235	935 x 307 x 235
	Shipping	mm	1,007 x 383 x 296	1,007 x 383 x 296	1,007 x 383 x 296
Weight	Net	kg	13.7	13.7	13.7
Air Filter Type			Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter
Air Flow Rate	Cooling	SH / H / M / L	m ³ /min	13.6 / 10.5 / 8.1 / 5.7	13.6 / 11.7 / 9.9 / 7.0
	Heating	SH / H / M / L	m ³ /min	14.2 / 10.5 / 8.1 / 5.7	14.2 / 11.7 / 9.9 / 7.0
Sound Pressure Level	Cooling	SH / H / M / L / SL	dB(A)	47 / 40 / 35 / 27 / 19	47 / 40 / 35 / 27 / 19
	Heating	SH / H / M / L	dB(A)	48 / 40 / 35 / 27	48 / 40 / 35 / 27
Sound Power Level		dB(A)		60	60
Dehumidification Rate		l/h		1.15	1.30
Drain Hose Size	O.D, I.D	mm	21.5, 16	21.5, 16	21.5, 16
OUTDOOR UNIT			AA09SP.U18	AA12SP.U18	AA18SP.U18
Dimensions (W x H x D)	Net	mm	770 x 545 x 288	770 x 545 x 288	770 x 545 x 288
	Shipping	mm	919 x 599 x 392	919 x 599 x 392	919 x 599 x 392
Weight	Net	kg	29.9	29.9	32.5
Operation Range	Cooling	°C DB	-15 ~ 48	-15 ~ 48	-15 ~ 48
	Heating	°C DB	-15 ~ 24	-15 ~ 24	-15 ~ 24
Power Supply		Ø, V, Hz	1,220 ~ 240, 50	1,220 ~ 240, 50	1,220 ~ 240, 50
Sound Pressure Level	Cooling	dB(A)	49	49	53
	Heating	dB(A)	51	51	55
Sound Power Level		dB(A)	60	60	65
Air Flow Rate	Max	m ³ /min	35.0	35.0	35.0
Circuit Breaker		A	15	15	20
Power Supply Cable		No. x mm ²	3 x 1.0	3 x 1.0	3 x 1.5
Power and Communication Cable		No. x mm ²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Type / GWP (Global Warming Potential)	-		R32 / 675	R32 / 675	R32 / 675
Refrigerant	Pre Charged Amount / t-CO ₂ eq	kg	0.9 / 0.608	0.9 / 0.608	1.13 / 0.763
	Chargeless	m	12.5	12.5	11.5
	Additional Charge	g/m	20	20	20
Piping	Size	Liquid	ø 6.35	ø 6.35	ø 6.35
		Gas	ø 9.52	ø 9.52	ø 12.70
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	3 / 7.5 / 20	3 / 7.5 / 20	3 / 7.5 / 20
	No Charge (Chargeless)	m	12.5	12.5	11.5
Compressor	Max. Elevation Difference	m	10	10	10
	Type</				



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Integrate with Your Senses and Interior

- Pro-Active Energy Control: Seamlessly adjust energy consumption levels and cooling capacity, ensuring efficient operation in Cooling Mode.
- Plasmaster™ Ionizer++: Say goodbye to unpleasant odors and harmful bacteria. With over 8 million ions at work, enjoy a safer and cleaner indoor environment free from Escherichia coli and Staphylococcus.
- Interior Allergy Filter: Breathe easier with our advanced filter that absorbs harmful particles like dust mites, pollen, fungi, and mold, providing a cleaner and more allergen-free space.
- UV Light Sanitization: Maintain a 99.99% bacteria-free fan with ultraviolet light, ensuring every breath you take is through clean, purified air.



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AI-Advanced Care with Your Lower Energy Consumption

- AI AIR adapts airflow with radar sensors for optimal comfort.
- Soft Air and Dual Vane deliver gentle, tailored cooling.
- Comfort Humidity Control ensures a perfectly balanced environment.
- High SEER provides top performance with lower energy consumption.
- AI kW Manager adjusts operations based on your energy-saving goals.
- Proactive features like Human Detection and Window Open Detection reduce energy waste.
- All Cleaning, Plasmaster™ Ionizer++, and Allergy Filter ensure hygienic air.
- Sleep Timer+ analyzes usage patterns for better nighttime comfort.
- Low Heating protects your home from freezing temperatures.

Single Combination

EFFICIENT DATA		AC09BK.SSJ	AC12BK.SSJ	AC18BK.SSK	AC24BK.SSK
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.89 / 2.5 / 3.7	0.89 / 3.5 / 4.0
	Heating	Min ~ Rated ~ Max	kW	0.89 / 3.3 / 4.1	0.89 / 4.0 / 5.1
	Heating -7 °C	Max	kW	2.6	3.0
Power Input	Cooling	Min ~ Rated ~ Max	W	200 / 656 / 1,400	200 / 1,080 / 1,400
	Heating	Min ~ Rated ~ Max	W	195 / 800 / 1,600	195 / 1,050 / 1,600
	Running Current	Cooling	A	1.1 / 3.3 / 6.0	1.1 / 4.7 / 6.0
P design C / P design H	Heating	Min ~ Rated ~ Max	A	1.1 / 4.0 / 7.0	1.1 / 4.7 / 7.0
	EER	W/W		3.81	3.24
	SEER	-		7.0	6.6
Energy Label Grade (A+++ to D Scale)	COP	W/W		4.12	3.81
	SCOP (Average / Warmer)	-		4.0 (4.9)	4.0 (4.9)
	P design C / P design H	kW		2.5 / 2.5	3.5 / 2.5
Annual Energy Consumption	Cooling	-	A++	A++	A++
	Heating (Average/Warmer)	-	A+ (A++)	A+ (A++)	A+ (A++)
	Heating (Average/Warmer)	kWh		125	186
INDOOR UNIT	Consumption	kWh		875 (371)	875 (371)
	AC09BK.NSJ	AC12BK.NSJ	AC18BK.NSK	AC24BK.NSK	
	Dimensions (W x H x D)	Net	mm	837 x 308 x 192	837 x 308 x 192
Weight	Shipping	mm		882 x 385 x 253	882 x 385 x 253
	Net	kg		9.9	9.9
	Air Filter Type	Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter
Air Flow Rate	Cooling	SH / H / M / L	m³/min	12.5 / 10.0 / 7.5 / 4.2	12.5 / 10.0 / 7.5 / 4.2
	Heating	SH / H / M / L	m³/min	13.0 / 10.0 / 7.2 / 5.6	13.0 / 10.0 / 7.2 / 5.6
	Sound Pressure Level	Cooling	SH / H / M / L / SL	dB(A)	45 / 41 / 35 / 27 / 19
Sound Power Level	Heating	SH / H / M / L	dB(A)	45 / 41 / 35 / 27	45 / 41 / 35 / 27
	Dehumidification Rate	dB(A)		59	59
	Drain Hose Size	l/h		1.1	1.3
OUTDOOR UNIT	Dimensions (W x H x D)	Net	mm	21.5, 16	21.5, 16
	AC09BK.UA3	AC12BK.UA3	AC18BK.UL2	AC24BK.U24	
	Weight	Net	mm	717 x 495 x 230	717 x 495 x 230
Operation Range	Cooling	°C DB	-10 ~ 48	-10 ~ 48	-15 ~ 48
	Heating	°C DB	-10 ~ 24	-10 ~ 24	-10 ~ 24
	Power Supply	Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50
Sound Pressure Level	Cooling	dB(A)	48	48	53
	Heating	dB(A)	50	50	55
	Sound Power Level	dB(A)	65	65	70
Air Flow Rate	Max	m³/min	27.0	27.0	35.0
	Circuit Breaker	A	15	15	20
	Power Supply Cable	No. x mm²	3 x 1.0	3 x 1.0	3 x 1.5
Power and Communication Cable	Type / GWP (Global Warming Potential)	No. x mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
	Refrigerant	-	R32 / 675	R32 / 675	R32 / 675
	Pre Charged Amount / t-CO₂ eq	kg	0.7 / 0.473	0.7 / 0.473	1.0 / 0.675
Piping	Chargeless	m	7.5	7.5	7.5
	Additional Charge	g/m	20	20	20
	Size	Liquid	ø 6.35	ø 6.35	ø 6.35
Between Indoor & Outdoor	Gas	mm	ø 9.52	ø 9.52	ø 12.7
	Piping Length	m	3 / 7.5 / 15	3 / 7.5 / 15	3 / 7.5 / 20
	No Charge (Chargeless)	m	7.5	7.5	7.5
Compressor	Max. Elevation Difference	m	7	7	10
	Type	-	Inverter Twin Rotary	Inverter Twin Rotary	Inverter Twin Rotary
ACCESSORIES & OTHERS					
Multi Compatible		Y	Y	Y	Y
PI 485		-	Y	Y	Y
Dry Contact		Y	Y	Y	Y
Wired Remote Controller		Y	Y	Y	Y

* : Sound Pressure is not a value declared on Eurovent Program.

** This product contains Fluorinated greenhouse gases (R32).

※ S : Sleep / L : Low / M : Medium / H : High

※ GWP : Global warming potential

※ t-CO₂eq : F-gas(kg)*GWP/1000

※ Y : Available or Applied / - : Not Available or Not Applied

※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

Single Combination

EFFICIENT DATA		H09S1PA.SS1	H12S1PA.SS1
Capacity	Cooling	Min ~ Rated ~ Max	kW
	Heating	Min ~ Rated ~ Max	kW
	Heating -7 °C	Max	kW
Power Input	Cooling	Min ~ Rated ~ Max	W
	Heating	Min ~ Rated ~ Max	W
	Running Current	Cooling	A
P design C / P design H	Heating	Min ~ Rated ~ Max	A
	EER	W/W	
	SEER	-	
Energy Label Grade (A+++ to D Scale)	COP	W/W	
	SCOP (Average / Warmer)	-	
	P design C / P design H	kW	
Annual Energy Consumption	Cooling	-	A+++
	Heating (Average/Warmer)	-	A+++ (A+++)
	Heating (Average/Warmer)	kWh	
INDOOR UNIT	Consumption	kWh	
	H09S1PA.NS1		H12S1PA.NS1
	Dimensions (W x H x D)	Net	mm
Weight	Shipping	mm	
	Net	kg	
	Air Filter Type	Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter
Air Flow Rate	Cooling	SH / H / M / L	m³/min
	Heating	SH / H / M / L	m³/min
	Sound Pressure Level	Cooling	dB(A)
Sound Power Level	Heating	SH / H / M / L / SL	dB(A)
	Dehumidification Rate	l/h	
	Drain Hose Size	O.D, I.D	mm
OUTDOOR UNIT	Dimensions (W x H x D)	Net	mm
	AC09BK.UA3	AC12BK.UA3	AC18BK.UL2
	Weight	Net	mm
Operation Range	Cooling	°C DB	-10 ~ 48
	Heating	°C DB	-10 ~ 24
	Power Supply	Ø, V, Hz	1, 220 ~ 240, 50
Sound Pressure Level	Cooling	dB(A)	48
	Heating	dB(A)	50
	Sound Power Level	dB(A)	65
Air Flow Rate	Max	m³/min	27.0
	Circuit Breaker	A	15
	Power Supply Cable	No. x mm²	3 x 1.0
Power and Communication Cable	Type / GWP (Global Warming Potential)	No. x mm²	4 x 1.0 (Including Earth)
	Refrigerant	-	R32 / 675
	Pre Charged Amount / t-CO₂ eq	kg	0.7 / 0.473
Piping	Chargeless	m	7.5
	Additional Charge	g/m	20
	Size	Liquid	ø 6.35
Between Indoor & Outdoor	Gas	mm	ø 9.52
	Piping Length	m	3 / 7.5 / 15
	No Charge (Chargeless)	m	7.5
Compressor	Max. Elevation Difference	m	7
	Type	-	Inverter Twin Rotary
ACCESSORIES & OTHERS			
Multi Compatible		Y	Y
PI 485		-	Y
Dry Contact		Y	Y
Wired Remote Controller		Y	Y
OUTDOOR UNIT			
Dimensions (W x H x D)	Net	mm	770 x 545 x 288
Weight	Shipping	mm	919 x 599 x 392
Operation Range	Cooling	°C DB	-15 ~ 48
Power Supply	Heating	°C DB	-15 ~ 24
Sound Pressure Level	Max	Ø, V, Hz	1, 220 ~ 240, 50
Dehumidification Rate	Cooling		



AI-Advanced Care with Lower Energy Consumption

- AI AIR: Your air conditioner takes care of everything effortlessly, ensuring optimal comfort by adapting its airflow with radar sensors tracking your location and ambient temperature via ThinQ.
- High SEER: Enjoy top performance and significant energy savings.
- Soft Air: Stay comfortably cool with ultra-fine settings for wind strength and temperature, avoiding any chill.
- Dual Vane: Multi-link technology optimizes control of two separate vanes, expanding the airflow range.
- Comfort Humidity Control: Maintain comfort without excess chill by finely adjusting airflow based on desired temperature and current humidity.
- AI kW Manager (Cooling Mode Only): Automatically sets energy-saving stages based on your target electricity and period information, ensuring efficient energy use.
- All Cleaning: The unit automatically operates from cleaning to drying, keeping the interior hygienic.
- Automatic Energy Saving: Detects open windows and activates Pro-Active Energy Saving Mode Control.
- Sleep Timer+ (Plus): Adjusts cooling temperature based on your air conditioner usage patterns for a restful night.
- Low Heating, Plasmaster™ Ionizer+, Allergy Filter, Freeze Cleaning: Ensure a cleaner, healthier, and more comfortable indoor environment.

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AI-Advanced Care with Lower Energy Consumption

- Effortless Comfort with AI AIR: Your air conditioner takes care of everything, ensuring optimal comfort by adapting airflow with radar sensors that track your location and ambient temperature via ThinQ.
- Soft Air: Stay comfortably cool without a chill, thanks to ultra-fine settings for wind strength and temperature.
- Dual Vane Technology: Enjoy optimized control of two separate vanes through multi-link technology, expanding the range of airflow control.
- Comfort Humidity Control: Maintain the perfect environment by adjusting airflow based on the desired temperature and current humidity, ensuring no excess chill.
- AI kW Manager (Cooling Mode Only): Automatically set energy-saving stages based on your target electricity usage and period, making sure your air conditioner operates efficiently.
- All Cleaning: The unit automatically handles everything from cleaning to drying, keeping the interior hygienic.
- Automatic Energy Saving: Detects open windows and activates Pro-Active Energy Saving Mode Control to conserve energy.
- Sleep Timer+ (Plus): Analyzes your air conditioner usage patterns to automatically adjust cooling temperature for a perfect night's sleep.
- Low Heating, Allergy Filter, Freeze Cleaning: Features designed to ensure a cleaner, healthier, and more comfortable indoor environment.

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Single Combination

EFFICIENT DATA		H09S1DA.SS1	H12S1DA.SS1	H18S1DA.SS1	H24S1DA.SS1
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.89 / 2.5 / 3.8	0.89 / 3.5 / 4.2
	Heating	Min ~ Rated ~ Max	kW	0.65 / 3.2 / 4.9	0.65 / 4.0 / 5.4
	Heating -7 °C	Max	kW	3.3	3.6
Power Input	Cooling	Min ~ Rated ~ Max	W	180 / 555 / 1,260	180 / 890 / 1,400
	Heating	Min ~ Rated ~ Max	W	180 / 700 / 1,450	180 / 920 / 1,600
	Running Current	Cooling	A	1.5 / 2.6 / 5.5	1.5 / 4.1 / 6.1
P design C / P design H	Heating	Min ~ Rated ~ Max	A	1.5 / 3.2 / 6.3	1.5 / 4.25 / 7.0
	EER	W/W		4.50	3.93
	SEER	-		8.7	8.5
COP	W/W			4.57	4.35
	SCOP (Average / Warmer)	-		4.6 / 5.7	4.6 / 5.7
	P design C / P design H	kW		2.5 / 2.8	3.5 / 2.8
Energy Label Grade (A+++ to D Scale)	Cooling	-	A+++	A+++	A++
	Heating (Average/Warmer)	-	A++ (A+++)	A++ (A+++)	A+ (A+++)
	Annual Energy Consumption	Cooling	kWh	101	144
INDOOR UNIT	Heating (Average/Warmer)	kWh		852 (368)	852 (368)
				1,270 (534)	1,270 (534)
				1,626 (670)	1,626 (670)
INDOOR UNIT		H09S1DA.NS1	H12S1DA.NS1	H18S1DA.NS1	H24S1DA.NS1
Dimensions (W x H x D)		Net	mm	895 x 307 x 235	895 x 307 x 235
Weight		Shipping	mm	967 x 383 x 296	967 x 383 x 296
Weight		Net	kg	11	11
Air Filter Type		Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter
Air Flow Rate	Cooling	SH / H / M / L	m³/min	13.6 / 10.5 / 8.1 / 5.7	13.6 / 10.5 / 8.1 / 5.7
	Heating	SH / H / M / L	m³/min	14.2 / 10.5 / 8.1 / 5.7	14.2 / 10.5 / 8.1 / 5.7
Sound Pressure Level	Cooling	SH / H / M / L / SL	dB(A)	47 / 40 / 35 / 27 / 19	47 / 40 / 35 / 27 / 19
	Heating	SH / H / M / L	dB(A)	48 / 40 / 35 / 27	48 / 40 / 35 / 27
Sound Power Level		dB(A)		60	60
Dehumidification Rate		l/h		1.15	1.30
Drain Hose Size		O.D, I.D	mm	21.5, 16	21.5, 16
OUTDOOR UNIT		H09S1DA.U12	H12S1DA.U12	H18S1DA.U18	H24S1DA.U24
Dimensions (W x H x D)		Net	mm	717 x 495 x 230	717 x 495 x 230
Weight		Shipping	mm	836 x 540 x 321	836 x 540 x 321
Operation Range		Cooling	°C DB	-15 ~ 48	-15 ~ 48
		Heating	°C DB	-15 ~ 24	-15 ~ 24
Power Supply		Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50
Sound Pressure Level	Cooling	dB(A)		49	49
	Heating	dB(A)		51	51
Sound Power Level		dB(A)		65	65
Air Flow Rate		Max	m³/min	27.0	27.0
Circuit Breaker		A		15	15
Power Supply Cable		No. x mm²	3 x 1.0	3 x 1.0	3 x 1.5
Power and Communication Cable		No. x mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675	R32 / 675
Refrigerant	Pre Charged Amount / t-CO₂ eq	kg	0.8 / 0.540	0.8 / 0.540	1.13 / 0.763
	Chargeless	m	12.5	12.5	7.5
	Additional Charge	g/m	20	20	20
Piping	Size	Liquid	mm	ø 6.35	ø 6.35
		Gas	mm	ø 9.52	ø 9.52
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	m	3 / 7.5 / 20	3 / 7.5 / 20
	No Charge (Chargeless)	m		12.5	12.5
	Max. Elevation Difference	m		10	10
Compressor		Type	-	Inverter Twin Rotary	Inverter Twin Rotary
ACCESSORIES & OTHERS					
Multi Compatible		Y	Y	Y	Y
PI 485		-	-	-	-
Dry Contact		Y	Y	Y	Y
Wired Remote Controller		Y	Y	Y	Y

* : Sound Pressure is not a value declared on Eurovent Program.
※ This product contains Fluorinated greenhouse gases (R32).

※ S : Sleep / L : Low / M : Medium / H : High

※ GWP : Global warming potential

※ t-CO₂eq : F-gas(kg)*GWP/1000

※ Y : Available or Applied / - : Not Available or Not Applied

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Single Combination

EFFICIENT DATA		P09SND.SS0		P12SND.SS0	
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.89 / 2.5 / 3.6	0.89 / 3.5 / 4.05
	Heating	Min ~ Rated ~ Max	kW	0.65 / 3.2 / 4.6	0.65 / 3.7 / 5.0
	Heating -7 °C	Max	kW	3.3	3.6
Power Input	Cooling	Min ~ Rated ~ Max	W	180 / 590 / 1,260	180 / 933 / 1,400
	Heating	Min ~ Rated ~ Max	W	180 / 740 / 1,450	180 / 900 / 1,600
	Running Current	Cooling	A	1.50 / 2.9 / 5.5	1.50 / 4.3 / 6.1
P design C / P design H	Heating	Min ~ Rated ~ Max	A	1.50 / 3.5 / 6.3	1.50 / 4.15 / 7.0
	EER	W/W		4.24	3.75
	SEER	-		8.3	7.6
COP		W/W		4.32	4.1
SCOP (Average / Warmer)		-		4.6 / 5.5	4.6 / 5.5
P design C / P design H		kW		2.5 / 2.7	3.5 / 2.7
Energy Label Grade (A+++ to D Scale)	Cooling	-	A++	A++	A++
	Heating (Average/Warmer)	-	A++ (A+++)	A++ (A+++)	A++ (A+++)
	Annual Energy Consumption	Cooling	kWh	105	161
INDOOR UNIT		P09SND.NS0		P12SND.NS0	
Dimensions (W x H x D)		Net	mm	799 x 307 x 235	799 x 307 x 235
Weight		Shipping	mm	871 x 383 x 296	871 x 383 x 296
Weight		Net	kg	10	10
Air Filter Type		Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter
Air Flow Rate	Cooling	SH / H / M / L	m³/min	12.7 / 10.3 / 7.6 / 4.8	12.7 / 10.3 / 7.6 / 4.8
	Heating	SH / H / M / L	m³/min	13.0 / 10.3 / 7.6 / 4.8	13.0 / 10.3 / 7.6 / 4.8
Sound Pressure Level	Cooling	SH / H / M / L / SL	dB(A)	48 / 42 / 35 / 27 / 19	48 / 42 / 35 / 27 / 19
	Heating	SH / H / M / L	dB(A)	48 / 42 / 35 / 27	48 / 42 / 35 / 27
Sound Power Level					



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- Active Energy Control: Adjust energy consumption and cooling capacity efficiently with Cooling Only Mode.
- Interior Allergy Filter: Absorbs harmful particles like dust mites, pollen, fungi, and mold, ensuring a cleaner and allergen-free environment.
- Auto Cleaning: Keeps the interior of the air conditioner clean by drying off the heat exchanger and performing an additional cleaning.
- Gold Fin™ Coating: Protects the heat exchanger from unnecessary wear and corrosion, enhancing durability.

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Single Combination

EFFICIENT DATA		PC09SC.SSJT	PC12SC.SSJT	PC18SC.SSKT	PC24SC.SSKT
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.89 / 2.5 / 3.7	0.89 / 3.5 / 4.0
	Heating	Min ~ Rated ~ Max	kW	0.89 / 2.8 / 4.1	0.89 / 3.71 / 5.1
	Heating -7 °C	Max	kW	2.6	3.0
Power Input	Cooling	Min ~ Rated ~ Max	W	200 / 656 / 1,400	200 / 1,080 / 1,400
	Heating	Min ~ Rated ~ Max	W	195 / 620 / 1,600	195 / 950 / 1,600
	Heating	Min ~ Rated ~ Max	W	210 / 1,480 / 2,000	210 / 2,030 / 2,750
Running Current	Cooling	Min ~ Rated ~ Max	A	1.1 / 3.3 / 6.0	1.1 / 4.7 / 6.0
	Heating	Min ~ Rated ~ Max	A	1.1 / 2.8 / 7.0	1.1 / 4.3 / 7.0
EER		W/W		3.81	3.24
SEER				7.0	6.6
COP		W/W		4.52	3.91
SCOP (Average / Warmer)				-	4.0 (4.9)
P design C / P design H				kW	2.5 / 2.5 (1.3)
Energy Label Grade (A+++ to D Scale)	Cooling	-		A++	A++
	Heating (Average / Warmer)	-		A+ (A++)	A+ (A++)
Annual Energy Consumption	Cooling	kWh		125	186
	Heating (Average / Warmer)	kWh		875 (386)	875 (386)
INDOOR UNIT		PC09SC.NSJT	PC12SC.NSJT	PC18SC.NSKT	PC24SC.NSKT
Dimensions (W x H x D)	Net	mm	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210
	Shipping	mm	880 x 380 x 240	880 x 380 x 240	1,050 x 420 x 265
Weight	Net	kg	8.7	8.7	11.2
Air Filter Type		Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter
Air Flow Rate	Cooling	SH / H / M / L	m³/min	12.5 / 10.0 / 7.5 / 4.2	12.5 / 10.0 / 7.5 / 4.2
	Heating	SH / H / M / L	m³/min	13.0 / 10.0 / 7.2 / 5.6	13.0 / 10.0 / 7.2 / 5.6
Sound Pressure Level	Cooling	SH / H / M / L / SL	dB(A)	45 / 41 / 35 / 27 / 19	45 / 41 / 35 / 27 / 19
	Heating	SH / H / M / L	dB(A)	45 / 41 / 35 / 27	45 / 41 / 35 / 27
Sound Power Level		dB(A)		59	59
Dehumidification Rate		l/h		1.1	1.3
Drain Hose Size	O.D, I.D	mm	21.5, 16	21.5, 16	21.5, 16
OUTDOOR UNIT		PC09SC.UA3T	PC12SC.UA3T	PC18SC.UL2T	PC24SC.U24T
Dimensions (W x H x D)	Net	mm	717 x 495 x 230	717 x 495 x 230	770 x 650 x 330
	Shipping	mm	830 x 540 x 390	830 x 540 x 390	920 x 590 x 390
Weight	Net	kg	25.2	25.2	32.8
Operation Range	Cooling	°C DB	-10 ~ 48	-10 ~ 48	-10 ~ 48
	Heating	°C DB	-15 ~ 24	-15 ~ 24	-15 ~ 24
Power Supply	Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50
Sound Pressure Level	Cooling	dB(A)	48	48	53
	Heating	dB(A)	50	50	55
Sound Power Level		dB(A)	65	65	70
Air Flow Rate	Max	m³/min	27.0	27.0	35.0
Circuit Breaker		A	15	15	20
Power Supply Cable		No. x mm²	3 x 1.0	3 x 1.0	3 x 1.5
Power and Communication Cable		No. x mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Type / GWP (Global Warming Potential)	-	R32 / 675	R32 / 675	R32 / 675	R32 / 675
Refrigerant	Pre Charged Amount / t-CO₂ eq	kg	0.7 / 0.473	0.7 / 0.473	1.0 / 0.743
	Chargeless	m	7.5	7.5	7.5
	Additional Charge	g/m	20	20	20
Piping	Size	Liquid	ø 6.35	ø 6.35	ø 6.35
		Gas	ø 9.52	ø 9.52	ø 12.7
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	3 / 7.5 / 15	3 / 7.5 / 15	3 / 7.5 / 20
	No Charge (Chargeless)	m	7.5	7.5	7.5
	Max. Elevation Difference	m	7	7	10
Compressor	Type	-	Inverter Twin Rotary	Inverter Twin Rotary	Inverter Twin Rotary
ACCESSORIES & OTHERS					
Multi Compatible			Y	Y	Y
PI 485			-	-	Y
Dry Contact			Y	Y	Y
Wired Remote Controller			Y	Y	Y

* : Sound Pressure is not a value declared on Eurovent Program.

** This product contains Fluorinated greenhouse gases (R32).

※ S : Sleep / L : Low / M : Medium / H : High

※ GWP : Global warming potential

※ t-CO₂eq : F-gas(kg)*GWP/1000

※ Y : Available or Applied / - : Not Available or Not Applied

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Single Combination

EFFICIENT DATA		SO9EC.SSJS	S12EC.SSJS	S18EC.SSKS	S24EC.SSKS
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.89 / 2.5 / 3.7	0.89 / 3.5 / 4.0
	Heating	Min ~ Rated ~ Max	kW	0.89 / 2.8 / 4.1	0.89 / 3.71 / 5.1
	Heating -7 °C	Max	kW	2.6	3.0
Power Input	Cooling	Min ~ Rated ~ Max	W	200 / 656 / 1,400	200 / 1,080 / 1,400
	Heating	Min ~ Rated ~ Max	W	195 / 620 / 1,600	195 / 950 / 1,600
	Heating	Min ~ Rated ~ Max	W	210 / 1,480 / 2,000	210 / 2,030 / 2,750
Running Current	Cooling	Min ~ Rated ~ Max	A	1.1 / 3.3 / 6.0	1.1 / 4.7 / 6.0
	Heating	Min ~ Rated ~ Max	A	1.1 / 2.8 / 7.0	1.1 / 4.3 / 7.0
EER		W/W		3.81	3.24
SEER				7.0	6.6
COP		W/W		4.5	3.91
SCOP (Average / Warmer)				-	4.0 (4.9)
P design C / P design H				kW	2.5 / 2.5 (1.3)
Energy Label Grade (A+++ to D Scale)	Cooling	-		A++	A++
	Heating (Average / Warmer)	-		A+ (A++)	A+ (A++)
Annual Energy Consumption	Cooling	kWh		125	186
	Heating (Average / Warmer)	kWh		875 (386)	875 (386)
INDOOR UNIT		S09EC.NSJS	S12EC.NSJS	S18EC.NSKS	S24EC.NSKS
Dimensions (W x H x D)	Net	mm	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210
	Shipping	mm	880 x 380 x 240	880 x 380 x 240	1,050 x 420 x 265
Weight	Net	kg	8.7	8.7	11.2
Air Filter Type		Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter	Prefilter (Washable), Allegy Filter
Air Flow Rate	Cooling	SH / H / M / L	m³/min	12.5 / 10.0 / 7.5 / 4.2	12.5 / 10.0 / 7.5 / 4.2
	Heating	SH / H / M / L	m³/min	13.0 / 10.0 / 7.2 / 5.6	13.0 / 10.0 / 7.2 / 5.6
Sound Pressure Level	Cooling	SH / H / M / L / SL	dB(A)	45 / 41 / 35 / 27 / 19	45 / 41 / 35 / 27 / 19
	Heating	SH / H / M / L	dB(A)	45 / 41 / 35 / 27	45 / 41 / 35 / 27
Sound Power Level		dB(A)		59	59
Dehumidification Rate		l/h		1.1	1.3
Drain Hose Size	O.D, I.D	mm	21.5, 16	21.5, 16	21.5, 16
OUTDOOR UNIT		S09EC.UA3S	S12EC.UA3S	S18EC.UL2S	S24EC.U24S
Dimensions (W x H x D)	Net	mm	717 x 495 x 230	717 x 495 x 230	770 x 545 x 288
	Shipping	mm	830 x 540 x 390	830 x 540 x 390	920 x 590 x 390
Weight	Net	kg	25.2	25.2	32.8
Operation Range	Cooling	°C DB	-10 ~ 48	-10 ~ 48	-10 ~ 48
	Heating	°C DB	-15 ~ 24	-15 ~ 24	-15 ~ 24
Power Supply	Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50
Sound Pressure Level	Cooling	dB(A)	48	48	53
	Heating	dB(A)	50	50	55
Sound Power Level		dB(A)	65	65	65



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Single Combination

EFFICIENT DATA			W09TE.SEU	W12TE.SEU
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.94 / 2.5 / 3.3
	Heating	Min ~ Rated ~ Max	kW	0.94 / 2.61 / 3.36
	Heating -7 °C	Max	kW	1.77
Power Input	Cooling	Min ~ Rated ~ Max	W	240 / 825 / 1,380
	Heating	Min ~ Rated ~ Max	W	240 / 767 / 1,552
	Running Current	Cooling	Min ~ Rated ~ Max	A
P design C / P design H	Heating	Min ~ Rated ~ Max	A	1.2 / 3.8 / 9.0
	EER		W/W	3.03
	SEER			6.1
COP			W/W	3.4
	SCOP (Average / Warmer)	-		4.0 (5.1)
	P design C / P design H		kW	2.5 / 2.0
Energy Label Grade (A+++ to D Scale)	Cooling	-		A++
	Heating (Average / Warmer)	-		A+ (A+++)
	Annual Energy Consumption	Cooling	kWh	143
INDOOR UNIT	Heating (Average / Warmer)	kWh		735 (659)
	Dimensions (W x H x D)	Net	mm	698 x 255 x 190
	Weight	Shipping	mm	764 x 325 x 257
Air Filter Type	Net	kg		7.0
			Prefilter (Washable)	Prefilter (Washable)
	Air Flow Rate	Cooling	SH / H / M / L	m³/min
Sound Pressure Level	Heating	SH / H / M / L	m³/min	6.1 / 5.6 / 4.7 / 4.3
	Cooling	SH / H / M / L / SL	dB(A)	6.3 / 5.8 / 4.9 / 4.5
	Heating	SH / H / M / L	dB(A)	9.2 / 8.0 / 7.2 / 6.3
Sound Power Level	44 / 42 / 38 / 35 / 32		43 / 40 / 36 / 33 / 30	
	44 / 42 / 38 / 35		42 / 40 / 37 / 34	
	Cooling	Power	dB(A)	55
Dehumidification Rate	Heating	l/h		1.0
	Cooling	l/h		1.2
	Drain Hose Size	O.D, I.D	mm	19.0, 16.0
OUTDOOR			W09TE.UEU	W12TE.UEU
Dimensions (W x H x D)	Net	mm	712 x 459 x 276	712 x 459 x 276
	Shipping	mm	765 x 481 x 310	765 x 481 x 310
	Weight	Net	kg	20.0
Operation Range	Cooling	°C DB	-10 ~ 48	-10 ~ 48
	Heating	°C DB	-15 ~ 24	-15 ~ 24
	Power Supply	Ø, V, Hz	1,220 ~ 240, 50	1,220 ~ 240, 50
Sound Pressure Level	Cooling	dB(A)+1	52	54
	Heating	dB(A)+1	53	54
	Sound Power Level	Cooling	dB(A)	64
Air Flow Rate	Heating	dB(A)	65	
	Cooling	High	m³/min	28.3
	Heating	High	m³/min	28.3
Circuit Breaker	Cooling	A		16
	Heating	A		25
	Power Supply Cable	No. x mm²	3 x 1.5	3 x 1.5
Power and Communication Cable	No. x mm²	4 x 0.75 (Including Earth)	4 x 0.75 (Including Earth)	
	Type / GWP (Global Warming Potential)	-	R32 / 675	R32 / 675
	Refrigerant	Pre Charged Amount / t-CO₂ eq	kg	0.45 / 0.304
Piping	Chargeless	m	5	5
	Additional Charge	g/m	15	15
	Size	Liquid	ø 6.35	ø 6.35
Between Indoor & Outdoor	Gas	mm	ø 9.52	ø 9.52
	Piping Length	Min / Standard / Max	m	3 / 5 / 15
	No Charge (Chargeless)	m	5	5
Compressor	Max. Elevation Difference	m	10	10
	Type	-	Single Rotary	Single Rotary

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※ S : Sleep / L : Low / M : Medium / H : High

※ GWP : Global warming potential

※ t-CO₂eq : F-gas(kg)*GWP/1000

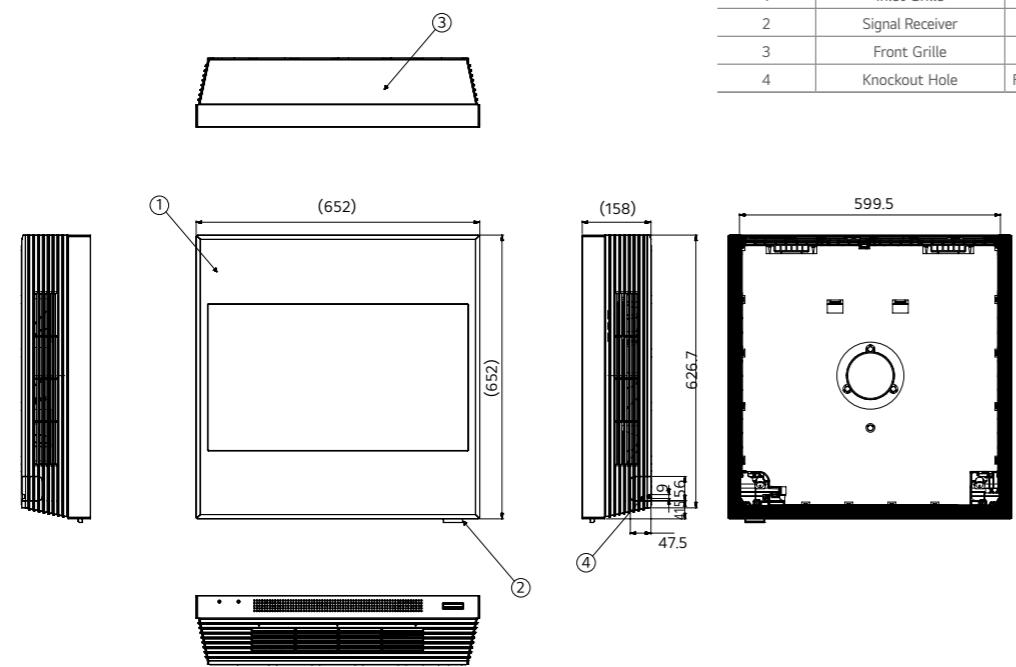
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Single Combination

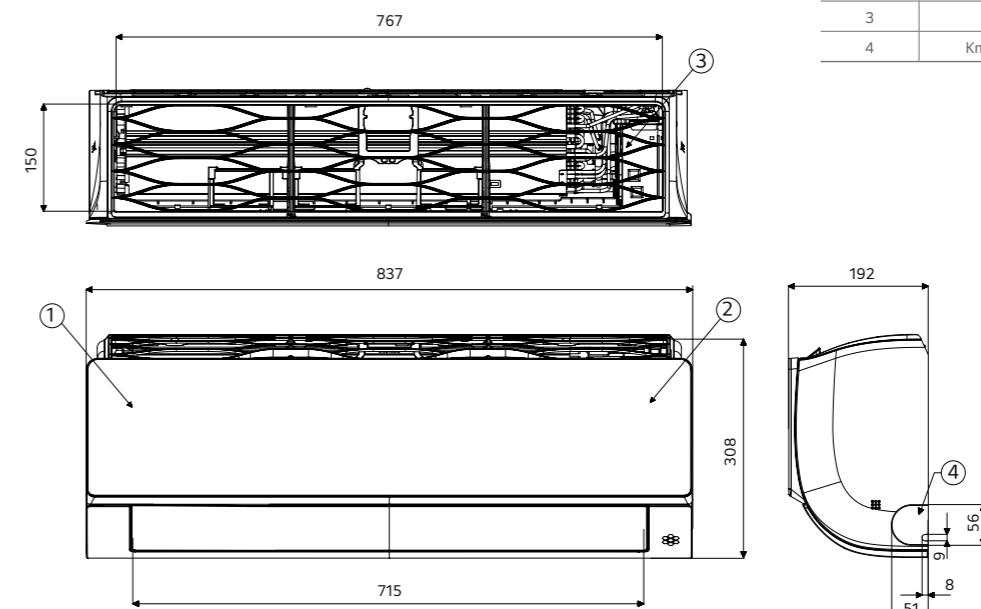
EFFICIENT DATA			W09TI.SEU	W12TI.SEU	W18TI.SEU	W24TI.SEU
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.94 / 2.63 / 3.4	1.0 / 3.4 / 3.75	1.25 / 5.1 / 5.91
	Heating	Min ~ Rated ~ Max	kW	0.94 / 2.75 / 3.5	1.0 / 3.45 / 3.8	1.25 / 5.1 / 6.07
	Heating -7 °C	Max	kW	2.12	2.17	3.36
Power Input	Cooling	Min ~ Rated ~ Max	W	240 / 809 / 1,380	160 / 1,046 / 1,700	330 / 1,580 / 2,340
	Heating	Min ~ Rated ~ Max	W	240 / 733 / 1,552	150 / 930 / 1,350	340 / 1,374 / 2,520
	Running Current	Cooling	Min ~ Rated ~ Max	A		
P design C / P design H	Heating	Min ~ Rated ~ Max	A	1.2 / 4.6 / 8.0	1.2 / 4.8 / 7.4	1.7 / 8.1 / 12.0
	EER		W/W	3.25	3.25	3.23
	SEER			6.1	6.1	6.5
COP			W/W	3.75	3.71	3.71
	SCOP (Average / Warmer)	-		4.0 (5.1)	4.0 (5.1)	4.0 (5.1)
	P design C / P design H		kW	2.6 / 2.4	3.4 / 2.4	5.1 / 3.8
Energy Label Grade (A+++ to D Scale)	Cooling	-		A++	A++	A++
	Heating (Average / Warmer)	-		A+ (A+++)	A+ (A+++)	A+ (A+++)
	Annual Energy Consumption	Cooling	kWh	149	195	293
INDOOR UNIT	Heating (Average / Warmer)	kWh		840 (659)	840 (878)	1,330 (1,373)
	Dimensions (W x H x D)	Net	mm	777 x 250 x 201	811 x 292 x 203	910 x 294 x 206
	Weight	Shipping	mm	840 x 315 x 260	885 x 366 x 275	979 x 372 x 277
Air Filter Type	Net	kg		7.8	8.5	9.5
			Prefilter (Washable)	Prefilter (Washable)	Prefilter (Washable)	Prefilter (Washable)
	Air Flow Rate	Cooling	SH / H / M / L	m³/min		
Sound Pressure Level	Heating	SH / H / M / L	m³/min	8.8 / 8.0 / 7.0 / 6.3		
	Cooling	SH / H / M / L / SL	dB(A)	10.3 / 9.4 / 8.2 / 6.8		
	Heating	SH / H / M / L	dB(A)	13.1 / 10.9 / 9.0 / 8.1		
Sound Power Level	43 / 40 / 36 / 33 / 30		44 / 42 / 37 / 33 / 30			
	42 / 40 / 37 / 34		42 / 40 / 36 / 32			
	Cooling	Power	dB(A)	54		
Dehumidification Rate	Heating	l/h		1.0		
	Cooling	l/h		1.2		
	Drain Hose Size	O.D, I.D	mm	19.0, 16.0		
OUTDOOR			W09TI.UEU	W12TI.UEU	W18TI.UEU	W24TI.UEU
Dimensions (W x H x D)	Net	mm	787 x 498 x 290	787 x 498 x 290	863 x 602 x 349	927 x 699 x 380
	Shipping	mm	818 x 515 x 325	818 x 515 x 325	890 x 628 x 385	950 x 732 x 420
	Weight	Net	kg	22.0	22.0	30.0
Operation Range	Cooling	°C DB	-10 ~ 48	-10 ~ 48	-10 ~ 48	-10 ~ 48
	Heating	°C DB	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24
	Power Supply	Ø, V, Hz	1,220 ~ 240, 50	1,220 ~ 240, 50	1,220 ~ 240, 50	1,220 ~ 240, 50
Sound Pressure Level	Cooling	dB(A)+1	54	54	55	58
	Heating	dB(A)+1	52	54	55	60
	Sound Power Level	Cooling	dB(A)	64	65	65
Air Flow Rate	Heating	dB(A)	65	65	68	68
	Cooling	High	m³/min	28.3	28.3	34.0
	Heating	High	m³/min	28.3	28.3	39.0
Circuit Breaker	Cooling	A		16	16	16
	Heating	A		25	25	16
	Power Supply Cable	No. x mm²	3 x 1.5	3 x 1.5	3 x 1.5	3 x 2.5
Power and Communication Cable	No. x mm²	4 x 0.75 (Including Earth)	4 x 0.75 (Including Earth)	4 x 0.75 (Including Earth)	4 x 0.75 (Including Earth)	4 x 0.75 (Including Earth)
	Type / GWP (Global Warming Potential)	-	R32 / 675	R32 / 675	R32 / 675	R32 / 675
	Refrigerant	Pre Charged Amount / t-CO₂ eq	kg	0.57 / 0.385		

A09GA2.NSE / A12GA2.NSE / A09GA1.NSE / A12GA1.NSE



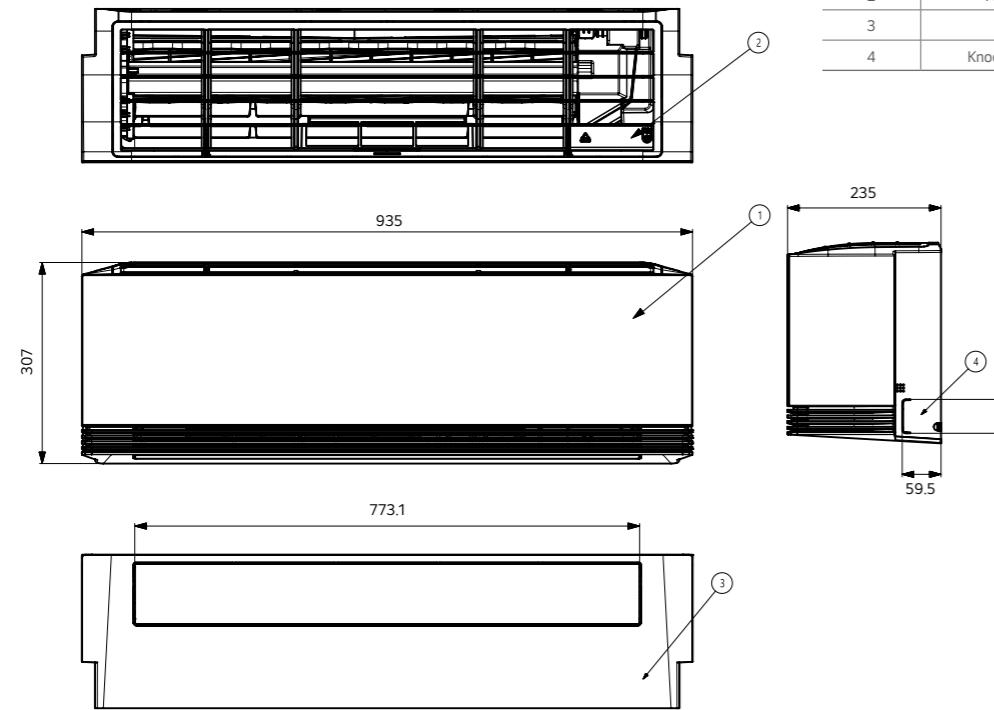
ITEM NO.	PART NAME	REMARK
1	Inlet Grille	
2	Signal Receiver	
3	Front Grille	
4	Knockout Hole	For Pipe and Cable

AC09BK.NSJ / AC12BK.NSJ



ITEM NO.	PART NAME	REMARK
1	Front Panel	
2	Display & Signal Receiver	
3	Air Filter	
4	Knockout Hole	For Pipe and Cable

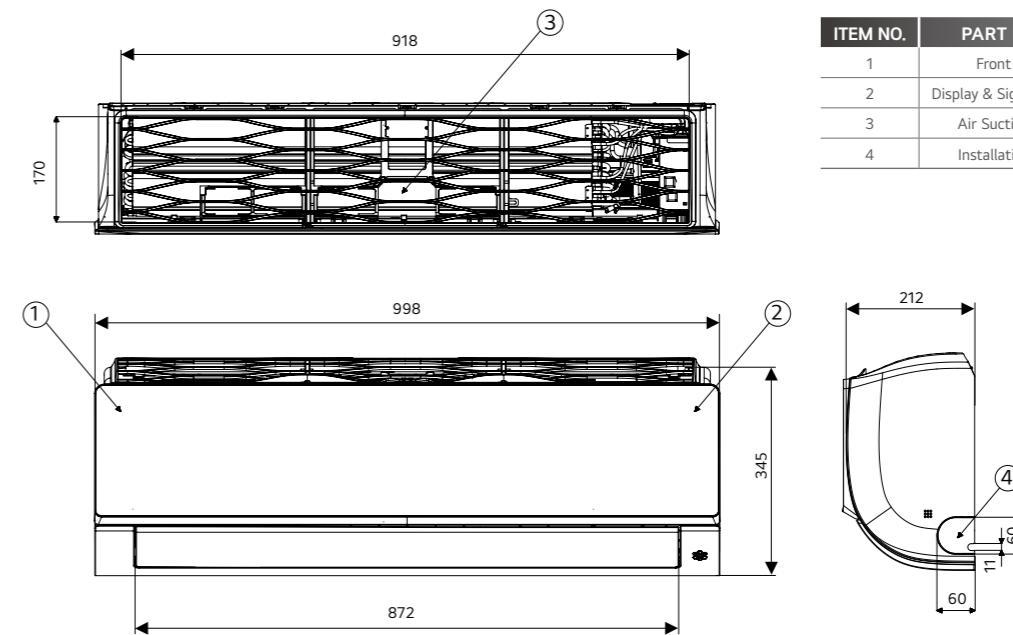
AA09SP.NS1 / AA12SP.NS1 / AA18SP.NS1



(Unit : mm)

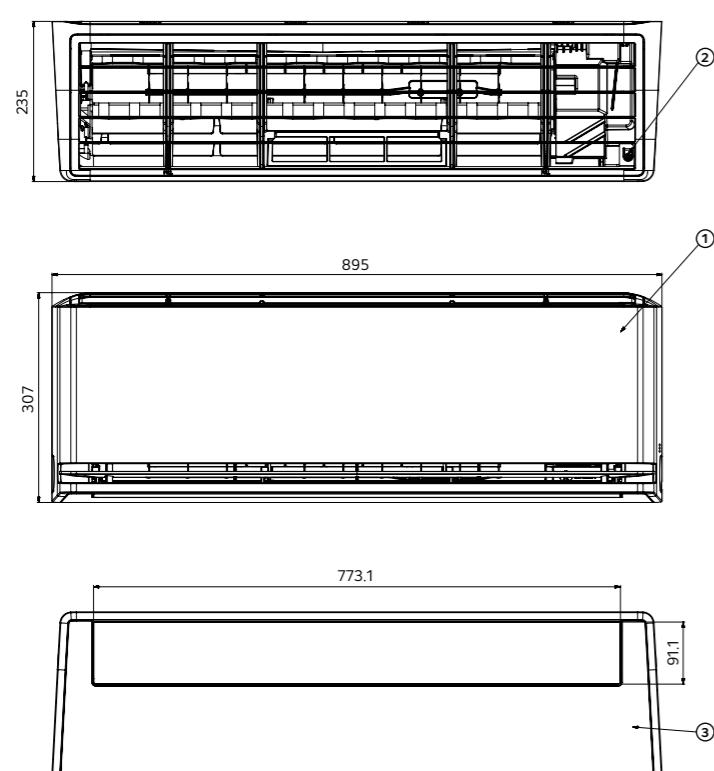
ITEM NO.	PART NAME	REMARK
1	Front Grill	
2	Air Filter	
3	Decor	
4	Knockout Hole	For Pipe and Cable

AC18BK.NSK / AC24BK.NSK



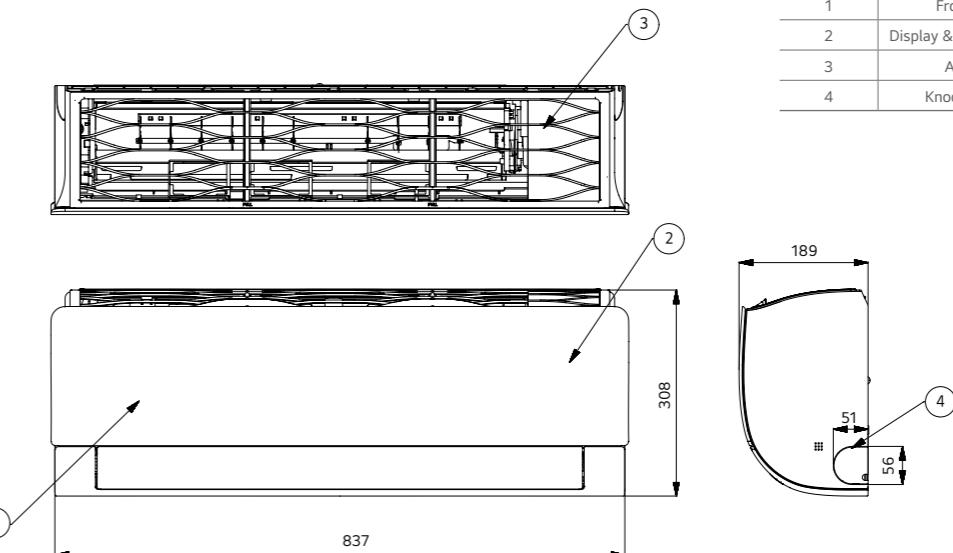
ITEM NO.	PART NAME	REMARK
1	Front Panel	
2	Display & Signal Receiver	
3	Air Suction Filter	
4	Installation Plate	

H09S1PA.NS1 / H12S1PA.NS1
H09S1DA.NS1 / H12S1DA.NS1 / H18S1DA.NS1 / H24S1DA.NS1



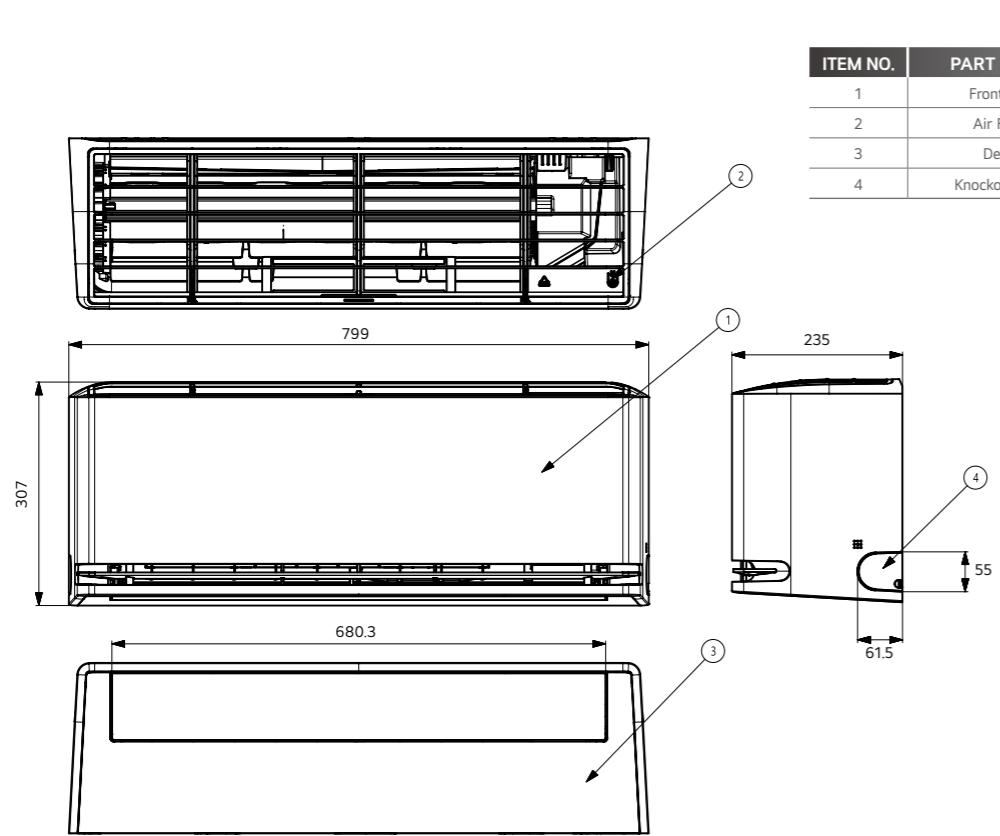
ITEM NO.	PART NAME	REMARK
1	Front Grill	
2	Air Filter	
3	Decor	
4	Knockout Hole	For Pipe and Cable

PC09SC.NSJ / PC12SC.NSJ
S09EC.NSJ / S12EC.NSJ



ITEM NO.	PART NAME	REMARK
1	Front Panel	
2	Display & Signal Receiver	Hidden
3	Air Filter	
4	Knockout Hole	For Pipe and Cable

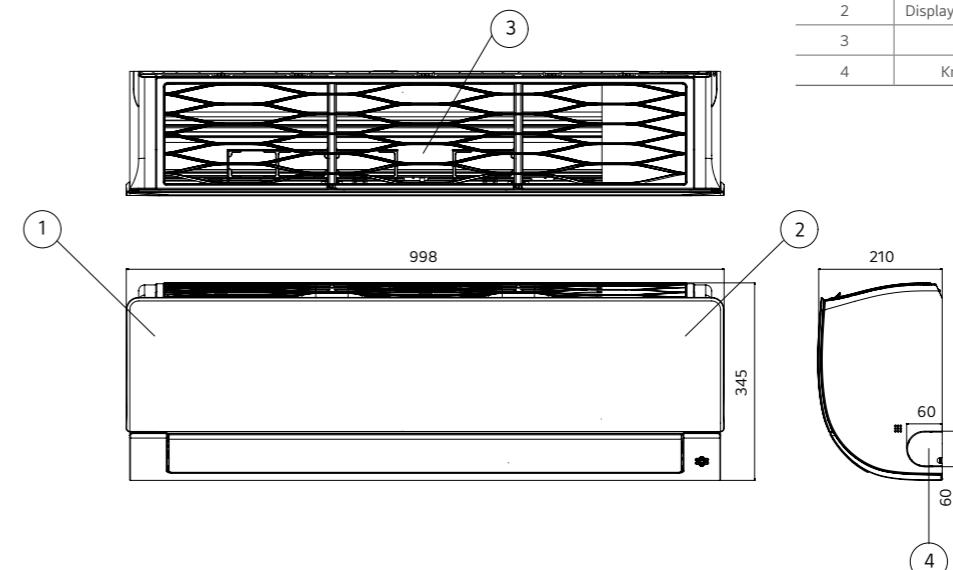
P09SND.NS0 / P12SND.NS0



(Unit : mm)

ITEM NO.	PART NAME	REMARK
1	Front Grill	
2	Air Filter	
3	Decor	
4	Knockout Hole	For Pipe and Cable

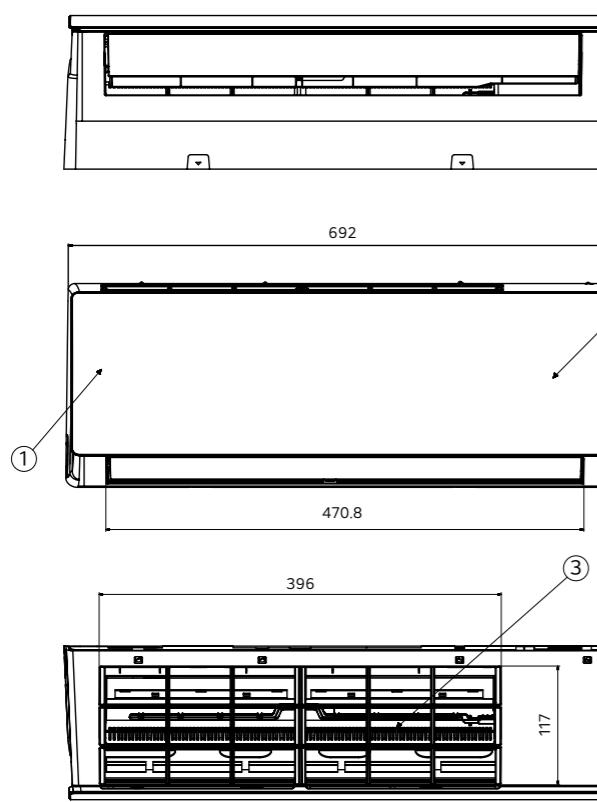
PC18SC.NSK / PC24SC.NSK
S18EC.NSK / S24EC.NSK



(Unit : mm)

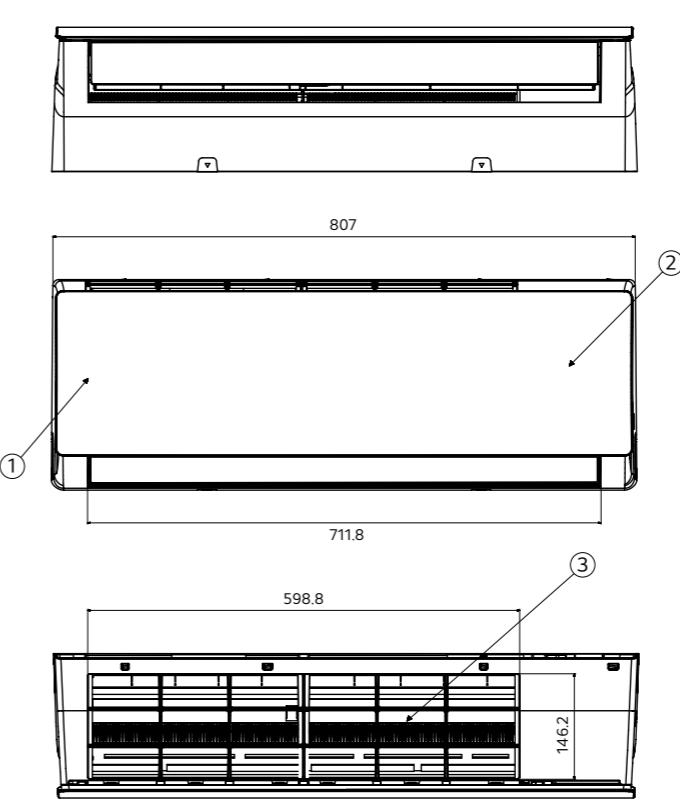
ITEM NO.	PART NAME	REMARK
1	Front Panel	
2	Display & Signal Receiver	Hidden
3	Air Filter	
4	Knockout Hole	For Pipe and Cable

W09TE.NEU



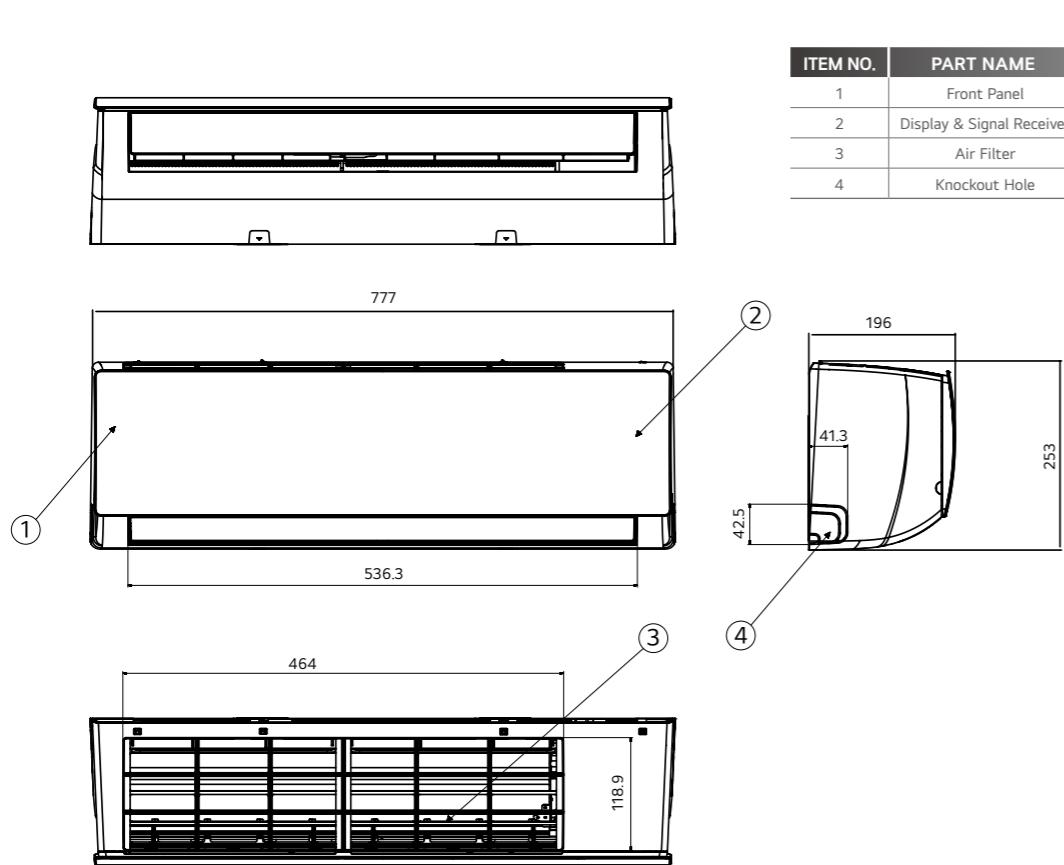
(Unit : mm)		
ITEM NO.	PART NAME	REMARK
1	Front Panel	
2	Display & Signal Receiver	Hidden
3	Air Filter	
4	Knockout Hole	For Pipe and Cable

W12TI.NEU



(Unit : mm)		
ITEM NO.	PART NAME	REMARK
1	Front Panel	
2	Display & Signal Receiver	Hidden
3	Air Filter	
4	Knockout Hole	For Pipe and Cable

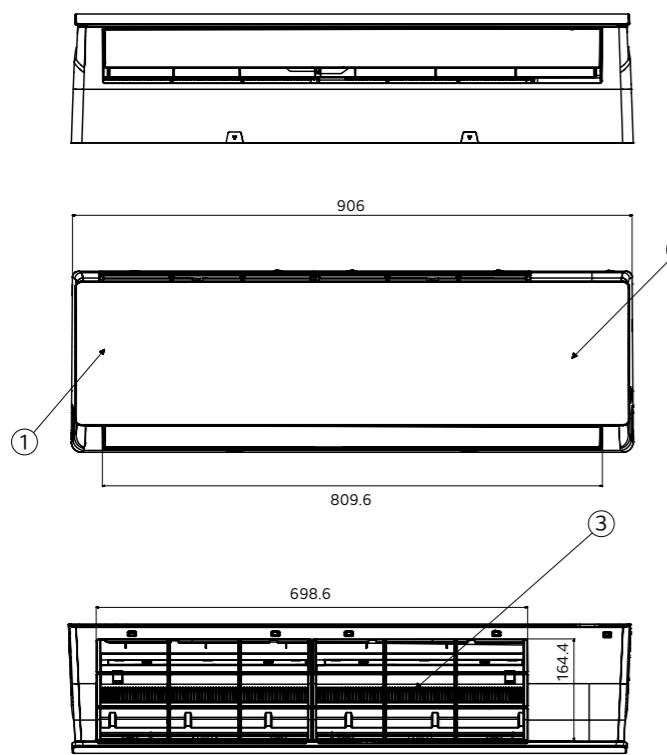
W09TI.NEU / W12TE.NEU



(Unit : mm)		
ITEM NO.	PART NAME	REMARK
1	Front Panel	
2	Display & Signal Receiver	Hidden
3	Air Filter	
4	Knockout Hole	For Pipe and Cable

※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

W18TI.NEU

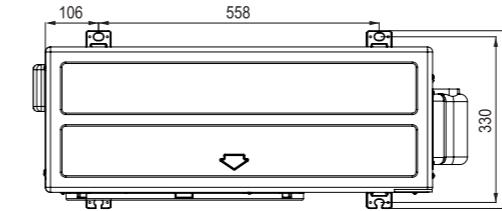


(Unit : mm)		
ITEM NO.	PART NAME	REMARK
1	Front Panel	
2	Display & Signal Receiver	Hidden
3	Air Filter	
4	Knockout Hole	For Pipe and Cable

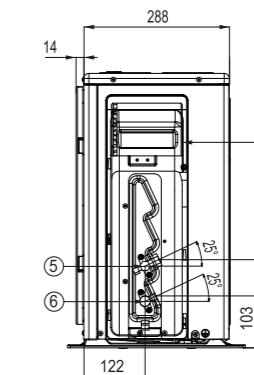
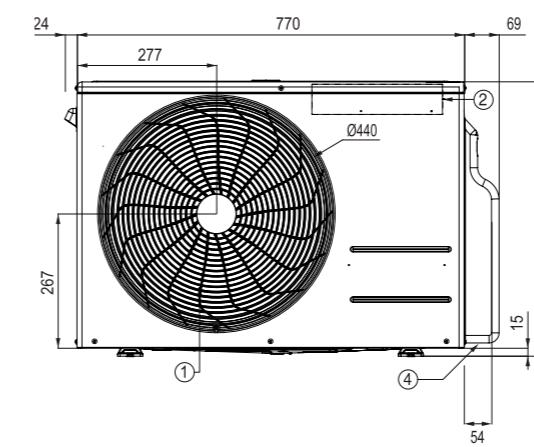
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AA09SP.U18 / AA12SP.U18 / AA18SP.U18

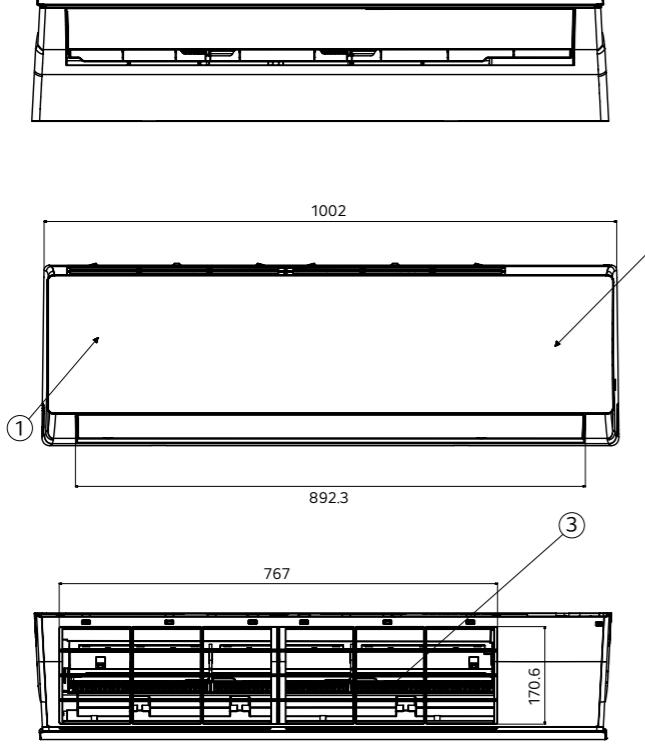
H09S1PA.U18 / H12S1PA.U18 / H18S1DA.U18



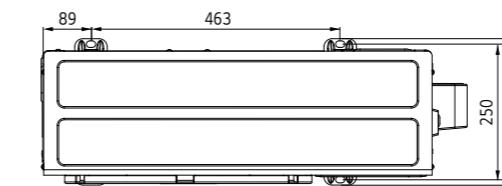
(Unit: mm)	
ITEM NO.	PART NAME
1	Air Outlet
2	Control Box
3	Power and Communication Cable Hole
4	Service Valve Cover
5	Gas Pipe Connection
6	Liquid Pipe Connection



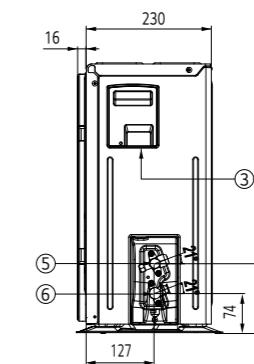
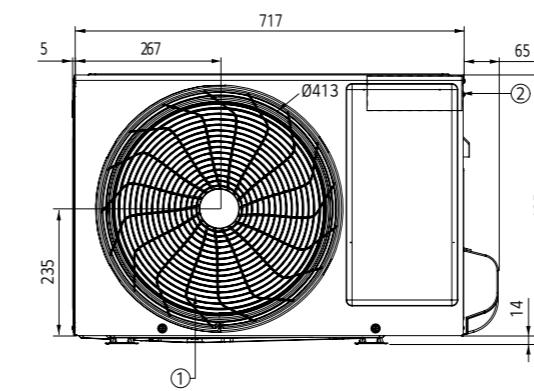
W24TI.NEU



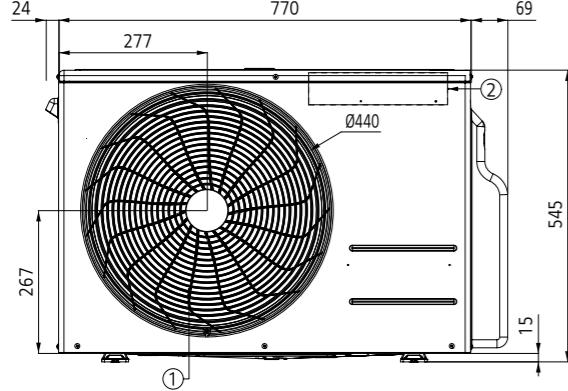
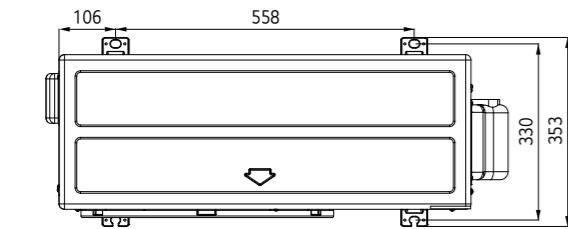
(Unit : mm)		
ITEM NO.	PART NAME	REMARK
1	Front Panel	
2	Display & Signal Receiver	Hidden
3	Air Filter	
4	Knockout Hole	For Pipe and Cable

AC09BK.UA3 / AC12BK.UA3 / P09SND.U12A / P12SND.U12A
H09S1DA.U12 / H12S1DA.U12 / PC09SC.UA3T / PC12SC.UA3T
S09EC.UA3S / S12EC.UA3S

(Unit: mm)	
ITEM NO.	PART NAME
1	Air Outlet
2	Control Box
3	Power and Communication Cable Hole
4	Service Valve Cover
5	Gas Pipe Connection
6	Liquid Pipe Connection



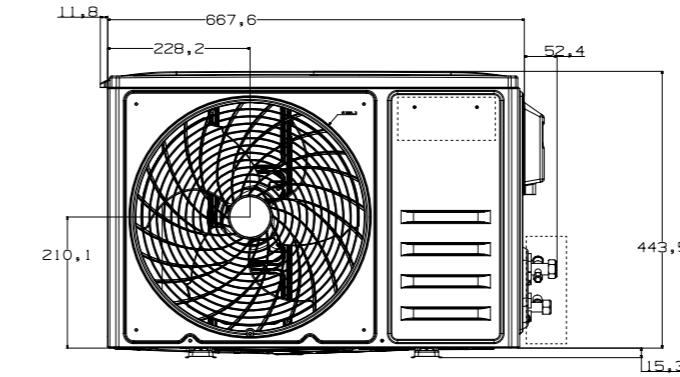
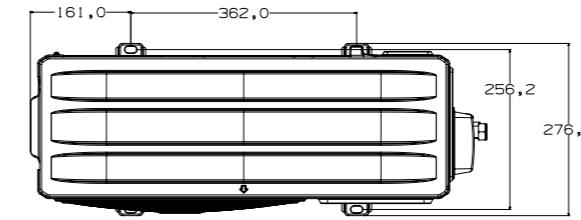
AC18BK.UL2 / PC18SC.UL2T / S18EC.UL2S



(Unit: mm)

ITEM NO.	PART NAME
1	Air Outlet
2	Control Box
3	Power and Communication Cable Hole
4	Service Valve Cover
5	Gas Pipe Connection
6	Liquid Pipe Connection

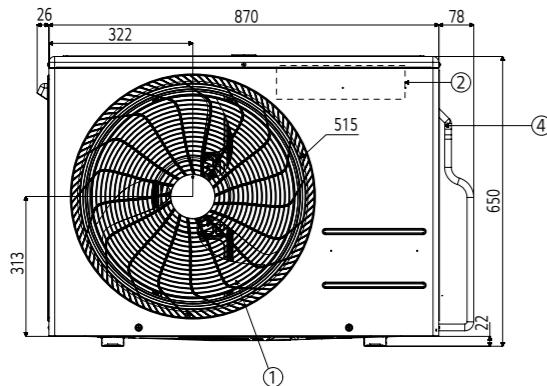
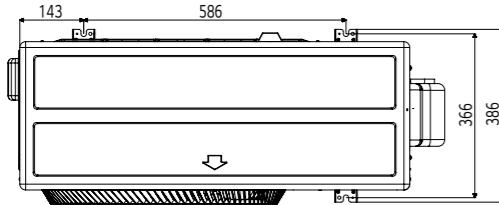
W09TE.UEU / W12TE.UEU



(Unit: mm)

ITEM NO.	PART NAME
1	Air Outlet
2	Control Box
3	Power and Communication Cable Hole
4	Service Valve Cover
5	Gas Pipe Connection
6	Liquid Pipe Connection

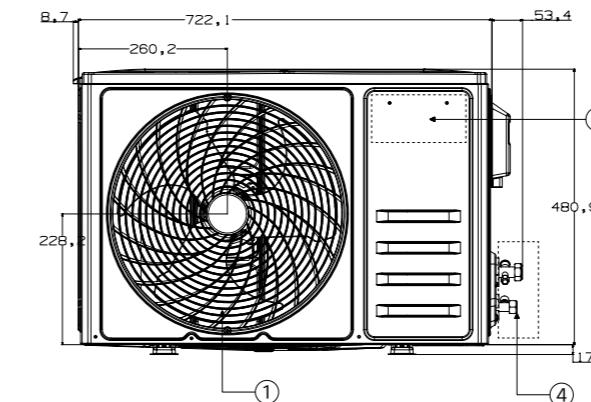
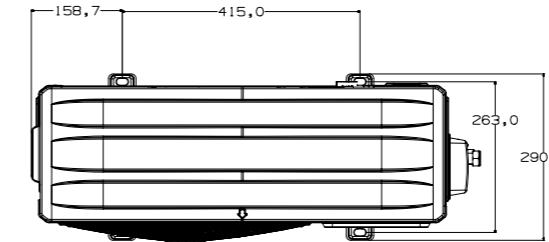
AC24BK.U24 / H24S1DA.U24 / PC24SC.U24T / S24EC.U24S



(Unit: mm)

ITEM NO.	PART NAME
1	Air Outlet
2	Control Box
3	Power and Communication Cable Hole
4	Service Valve Cover
5	Gas Pipe Connection
6	Liquid Pipe Connection

W09TI.UEU

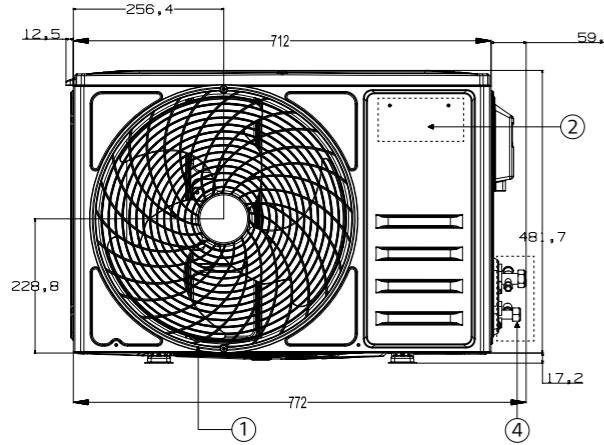
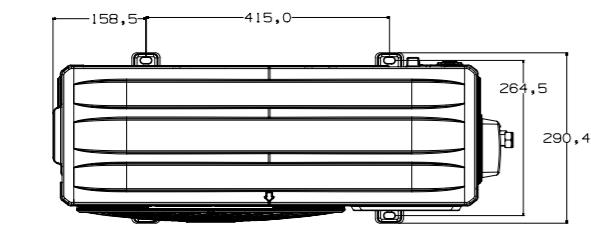


ITEM NO.	PART NAME
1	Air Outlet
2	Control Box
3	Power and Communication Cable Hole
4	Service Valve Cover
5	Gas Pipe Connection
6	Liquid Pipe Connection

※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

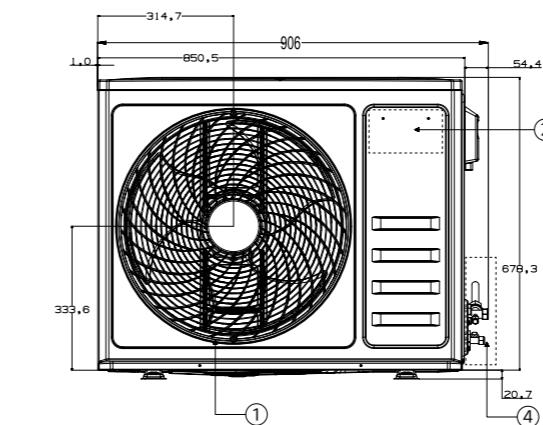
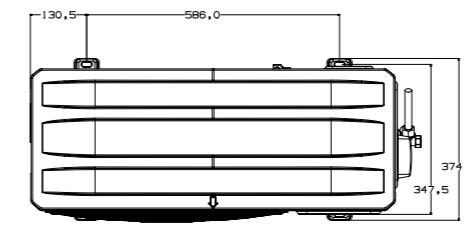
※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

W12TI.UEU

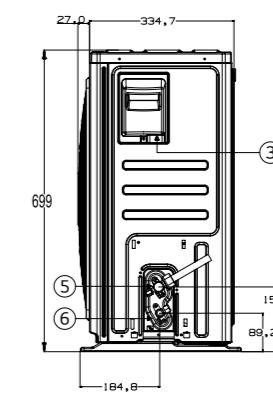


(Unit: mm)	
ITEM NO.	PART NAME
1	Air Outlet
2	Control Box
3	Power and Communication Cable Hole
4	Service Valve Cover
5	Gas Pipe Connection
6	Liquid Pipe Connection

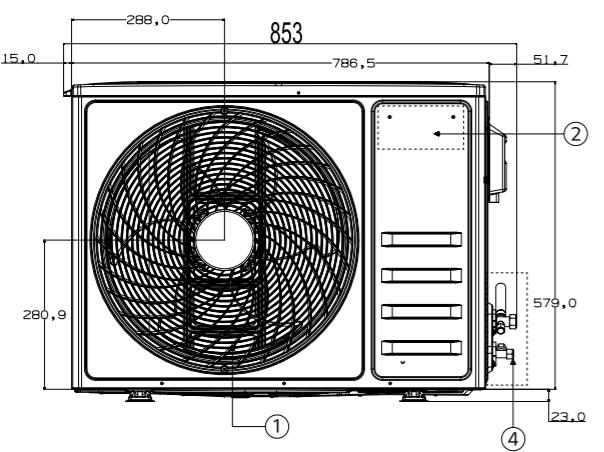
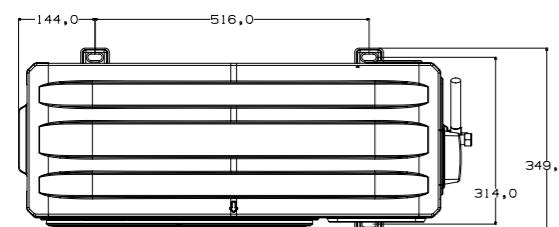
W24TI.UEU



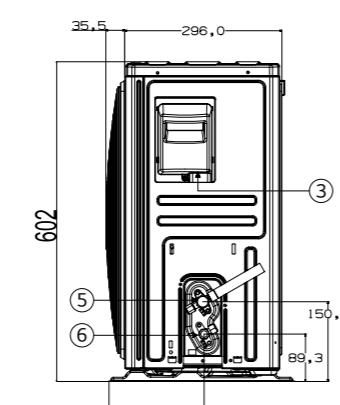
(Unit: mm)	
ITEM NO.	PART NAME
1	Air Outlet
2	Control Box
3	Power and Communication Cable Hole
4	Service Valve Cover
5	Gas Pipe Connection
6	Liquid Pipe Connection



W18TI.UEU



(Unit: mm)	
ITEM NO.	PART NAME
1	Air Outlet
2	Control Box
3	Power and Communication Cable Hole
4	Service Valve Cover
5	Gas Pipe Connection
6	Liquid Pipe Connection



※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

BTU	ARTCOOL				DUALCOOL				
	Gallery Premium	Gallery Special	AI AIR Mirror	Mirror	AI AIR Premium	AI AIR Deluxe	AI AIR Special	Special PC Series	Special EC Series
Dry Contact	9k	Y	Y	Y	Y	Y	Y	Y	Y
	12k	Y	Y	Y	Y	Y	Y	Y	Y
	18k			Y		Y		Y	Y
	24k			Y		Y		Y	Y
PI 485	9k	Y	Y	Y		Y			
	12k	Y	Y	Y		Y			
	18k			Y	Y			Y	Y
	24k			Y		Y		Y	Y
Wired Remote Controller	9k	Y	Y	Y	Y	Y	Y	Y	Y
	12k	Y	Y	Y	Y	Y	Y	Y	Y
	18k			Y	Y		Y	Y	Y
	24k			Y		Y		Y	Y

* Y : Available

Standard Wired Remote Controller



Standard III
PREMTB101



Standard II
PREMTB001

Model Name	PREMTB101 PREMTBB11	PREMTB001 PREMTBB01
Operation Mode		
	On / Off, Fan Speed Control, Temperature Setting	
Mode Change	Cooling, Heating, Auto, Dehumidification, Fan	
Auto Swing / Vane Control	•	•
Reservation	Simple, Sleep, On / Off, Weekly, Holiday	
Time Display	•	•
Electrical Failure Compensation	•	•
Child Lock	•	•
Operation Status LED	•	•
Indoor Temperature Display	•	•
Wireless Remote Controller Receiver	-	•
Size (W x H x D, mm)	120 x 120 x 16	120 x 121 x 16
Backlight	•	•
Display AirQuality Status	-	-

* Refer to each model PDB for applicable models.

PI 485



PMNFP14A1

Power : Single phase AC 220V 50/60Hz
Max. no of the indoor units that can be connected : 64 Units
Model applied : RAC / Multi / Single / THERMA V
※ Refer to each product PDB for applicable models.

Dry Contact



PDRYCB000



PDRYCB400



PDRYCB320



PDRYCB500 /
PDRYCB510*

※ Refer to each product PDB for applicable models.
* No case for PDRYCB510

Model	PDRYCB000	PDRYCB400	PDRYCB320	PDRYCB500 / PDRYCB510*
Contact Point	1 Control Point	2 Control Point	8 Control Point	Modbus RTU
Power Input	AC 220V from outside power source	DC 5V & 12V from indoor unit PCB	DC 5V & 12V from indoor unit PCB	DC 5V & 12V from indoor unit PDB
Voltage / Non Voltage Input	-	•	•	-
On / Off Control	•	•	•	•
Lock / Unlock	-	•	-	-
Fan Speed Setting	-	-	•	•
Thermo Off	-	•	•	-
Energy Saving	-	•	-	-
Temperature Setting	-	•	•	•
Error Monitoring	•	•	•	•
Operation Monitoring	•	•	•	•

Remote Controller



ARTCOOL
Gallery Premium

Image	Description
	Power Turns the appliance on or off. Connecting to LG ThinQ Press and hold the Power button for 3 seconds to prepare the status for connecting appliance and wi-fi.
	Mode Selects the desired operating mode. • Each press changes the mode in this order: Cooling → Auto → Dehumidification → Heating → Fan Connecting the Appliance and Remote Control Press and hold the Mode button for about 3 seconds to connect the appliance and remote control.
	Sleep Automatically turns the appliance off at a desired time. Use it before sleeping.
	Display Turns the appliance's screen on, off, or changes it. • Each time you press the button, the appliance screen changes in the order of cover screen & home screen. Turning the Appliance's Screen On or Off Press and hold the button for 3 seconds to turn the appliance's screen on or off
	Energy/Jet Selects the desired function. • In the Cooling mode, each time you press the Energy/Jet button the mode changes in the following order: Energy Saving → Smart Care → Jet Cooling → Cooling . • In the Heating mode, each time you press the Energy/Jet button the mode changes in the following order: Smart care → Jet Heating → Heating . Turning Indirect Airflow On or Off Press and hold the Energy/Jet button for 3 seconds to turn Indirect Airflow on or off
	Temperature Adjusts the desired room temperature.
	Fan Speed Adjusts the fan speed. • The fan speed can be set in the order of 1 ↔ 2 ↔ 3 ↔ 4 ↔ 5 ↔ Auto levels.
	Pointer Checks or sets various functions on the appliance screen using the remote control.
	Sound Volume - Reduces or turns off the notification sounds that occur when you set up or change appliance features.
	Sound Volume + Turns on or increases the notification sounds that occur when you set up or change appliance features.
	Function Sets Plasmaster Ionizer, Auto Clean+, Freeze Cleaning, Sleep Timer, On Timer, Off Timer, Cancel all Timer, Smart Diagnosis, and LED Light.
	Reset Resets the wireless remote control setting. Open the remote control battery cover and then press the Reset button to reset it.
	If the appliance system operates slowly or freezes while using the appliance, or if the appliance suddenly turns off, you can restart the product. • Press and hold the button and the button on the remote control at the same time for 3 seconds.

Setting Functions

Image	Description
	Ion particles from Ionizer reduce the surface bacteria and other harmful substances.
	Moisture remaining in the heat exchanger can be reduced by operating the appliance in a blowing state for a certain period of time.
	Contaminants such as dust are reduced by repeating the process of freezing and thawing the heat exchanger inside the appliance.
	Sets sleep mode to help you sleep better. • Sleep mode starts from 30 minutes and can be set in hourly increments up to 12 hours.
	Sets the appliance to turn on automatically at a desired time. • For On Timer, you can set the desired time in 1-hour increments from 1 hour to 24 hours.
	Sets the appliance to turn off automatically at a desired time. • For Off Timer, you can set the desired time in 1-hour increments from 1 hour to 24 hours.
	Cancels all timer settings.
	Easily check the maintenance information of an appliance.
	Turns on and off the LED light which is located on the lower right side of the appliance.

NOTE

- If the remote control is not connected, some functions cannot be used.
- When you turn the remote control off and on again, the last used settings will appear on the remote control display.
- The remote control display may differ from the image in the owner's manual depending on the model.



ARTCOOL
Gallery Special

Image	Description
	Power Turns the appliance on or off. Connecting to LG ThinQ Press and hold the Power button for 3 seconds to prepare the status for connecting appliance and wi-fi.
	Mode Selects the desired operating mode. • Each press changes the mode in this order: Cooling → Auto → Dehumidification → Heating → Fan Connecting the Appliance and Remote Control Press and hold the Mode button for about 3 seconds to connect the appliance and remote control.
	Sleep Automatically turns the appliance off at a desired time. Use it before sleeping.
	Ionizer Ion particles from Ionizer reduce the surface bacteria and other harmful substances.
	Energy/Jet Selects the desired function. • In the Cooling mode, each time you press the Energy/Jet button the mode changes in the following order: Energy Saving → Smart Care → Jet Cooling → Cooling . • In the Heating mode, each time you press the Energy/Jet button the mode changes in the following order: Smart care → Jet Heating → Heating .
	Temperature Adjusts the desired room temperature.
	Fan Speed Adjusts the fan speed. • The fan speed can be set in the order of 1 ↔ 2 ↔ 3 ↔ 4 ↔ 5 ↔ Auto levels.
	Comfort Adjusts in the way that no air comes out of the air outlet at the bottom of the appliance so that it is not directly hit by air.
	Setting Moves left and right for using the Setting.
	Turning Sounds On or Off Turns on or off the notification sound that occur when you set up or change appliance features.
	Function Sets Auto Clean+, Freeze Cleaning, Sleep Timer, On Timer, Off Timer, Cancel all Timer, Smart Diagnosis, and LED Light.
	Reset Resets the wireless remote control setting. Open the remote control battery cover and then press the Reset button to reset it.

Setting Functions

Image	Description
	Moisture remaining in the heat exchanger can be reduced by operating the appliance in a blowing state for a certain period of time.
	Contaminants such as dust are reduced by repeating the process of freezing and thawing the heat exchanger inside the appliance.
	Sets sleep mode to help you sleep better. • Sleep mode starts from 30 minutes and can be set in hourly increments up to 12 hours.
	Sets the appliance to turn on automatically at a desired time. • For On Timer, you can set the desired time in 1-hour increments from 1 hour to 24 hours.
	Sets the appliance to turn off automatically at a desired time. • For Off Timer, you can set the desired time in 1-hour increments from 1 hour to 24 hours.
	Cancels all timer settings.
	Easily check the maintenance information of an appliance.
	Turns on and off the LED light which is located on the lower right side of the appliance.

NOTE

- When you turn the remote control off and on again, the last used settings will appear on the remote control display.
- The remote control display may differ from the image in the owner's manual depending on the model.

Remote Controller



ARTCOOL AI AIR MIRROR
DUALCOOL AI AIR PREMIU
DUALCOOL AI AIR DELUXE
DUALCOOL AI AIR SPECIAL

Button	Description
	Power Turns the appliance on or off.
	Connecting to LG ThinQ Press and hold the Power button for about 3 seconds to prepare the statue for connecting appliance and Wi-Fi.
	Mode Selects the desired operation mode. • Each press changes the modes in this order: Cooling → Auto → Dehumidification → Heating → Fan
	Air Purify (3 s) Press and hold the Mode button for about 3 seconds to supply clean, fresh air using ion particles and the filter. * Not apply to DUALCOOL AI AIR SPECIAL
	Soft Air Keep you cool without feeling a draft.
	AI Air (3 s) Press and hold the Soft Air button for about 3 seconds to operate automatically by detecting the surrounding environment and user characteristics.
	Temp. ▲▼ Adjusts the desired room temperature.
	Fan Speed + - Adjust the fan speed.
	Up-Down Swing Adjusts the airflow direction up and down. Direct / Indirect (3 s) Press and hold the button for about 3 seconds to set either a direct or Indirect airflow based on your preferences. * Not apply to DUALCOOL AI AIR DELUXE & SPECIAL
	Cleaning Mode While the remote control and appliance are turned off, press and hold the button for about 5 seconds to fix the vane for cleaning the vane easily.
	Jet (Left-Right Swing) Adjusts the airflow direction left and right.
	Jet Mode (3 s) Press and hold the button for about 3 seconds to change the room temperature quickly.
	Energy Control Decrease the power input. You can control energy consumption.
	Mute (3 s) Press and hold the button for about 3 seconds to turn off the beep sound.
	Function Selects the desired function.
	Sleep Automatically turns the appliance off at a desired time. Use it before sleeping.
	Light Off (3 s) Press and hold the button for about 3 seconds to set the light off function.



DUALCOOL PC
DUALCOOL EC

Button	Display Screen	Description
	-	To turn on / off the air conditioner.
	88 °F	To adjust the desired room temperature in cooling, heating or auto changeover mode.
	COMFORT AIR	To adjust the air flow to indirect wind.
	LIGHT OFF	To set the brightness of the display on the indoor unit.
	COOL	To select the cooling mode.
	HEAT	To select the heating mode.
	DEHUMIDIFICATION	To select the dehumidification mode.
	FAN	To select the fan mode.
	AUTO	To select the auto changeover / auto operation mode.
	FAN SPEED	To adjust the fan speed.
	ENERGY CTRL.	To bring the effect of the power saving.
	JET MODE	To change room temperature quickly.
	SWING SWING	To adjust the air flow direction vertically or horizontally.
	ROOM TEMP	To display the room temperature.
	°C ↔ °F[5sec]	To change unit between °C and °F.
	SET/CANCEL	To set / cancel the functions and timer.
	TIME	To adjust time.
	ON/OFF	To turn on / off air conditioner automatically.
	CANCEL	To cancel the timer settings.



DUALCOOL Pro

Button	Display Screen	Description
Dual Sensing		To set or cancel dual sensing mode operation.
	-	To turn on / off the air conditioner.
	-	To turn On/Off the air conditioner indoor display.
	COOL	To select the cooling mode.
	AUTO	To select the auto changeover/auto operation mode.
	DRY	To select the dry mode.
	HEAT	To select the heating mode.
	FAN	To select the fan mode.
	SWING	To adjust the fan speed.
	SWING SWING	To minimize power consumption.
	POW	To change room temperature quickly.
	88 °F	To adjust the desired room temperature in cooling, heating or auto mode. (16°C ~ 31°C)
	SWING	To adjust the air flow direction vertically.
	SWING	To adjust the air flow direction horizontally. (Optional)
	ROOM TEMP	To display the room temperature.
	SLEEP	To set the sleeping mode automatically.
	ION	The Ion generator uses millions of ions to help improve indoor air quality. (Optional)
	DRY	To remove moisture generated inside the indoor unit.
	ON/OFF	To turn on/off air conditioner automatically at desired time.
	SET/CANCEL	To set/cancel the special functions and timer.
	TIME	To adjust time.
	°C ↔ °F[5sec]	To change unit between °C and °F

※ Remote Controller specifications may vary for each model.

※ Remote Controller specification, design and feature are subject to change without prior notice.