

RESIDENTIAL SPLIT SYSTEM

AIR CONDITIONER



Distributed by

LG Electronics

www.lg.com/au

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Life's Good.

Intelligent cooling & heating, carefully refined for you

LG DUALCOOL™ AI Air

DELUXE / STANDARD

Direction

Temp

23°C

Speed

3

Why LG DUALCOOL™ AI Air

Intelligent Comfort Redefined

Elevate your comfort effortlessly with smart control. Throughout the year, our intelligent system seamlessly adjusts temperature, humidity, and airflow to offer tailored comfort every moment.

AI Comfort Control

AI Air

Revolutionise your comfort with intelligent adaptability. AI Air continuously optimises airflow using the ThinQ app to understand your preferences.

Proactive Energy Management

Easy Energy Monitoring at Your Fingertips

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

Clean Air

Clean Air Out with Multi-step Cleaning

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

Soft Air

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

DUAL Vane

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

Energy Manager+ by 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.

Window Open Detection

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

One-click Scheduled Cleaning

Effortless maintenance with a simple click on the ThinQ app.

Auto Clean+

Dries the inside automatically.

Pre-Filter

Traps large dust particles.

Freeze Cleaning

Freezes odour-causing materials like dust and bacteria on the evaporator, washing them out when ice melts, leaving the evaporator clean.

Allergen Filter (Deluxe Models Only)

Reduce Allergens allergy.

Plasmaster™ Ionizer+ (Deluxe Models Only)

Reduce bacteria and unpleasant odours associated with E. Coli, S. Aureus and P. Aeruginosa.

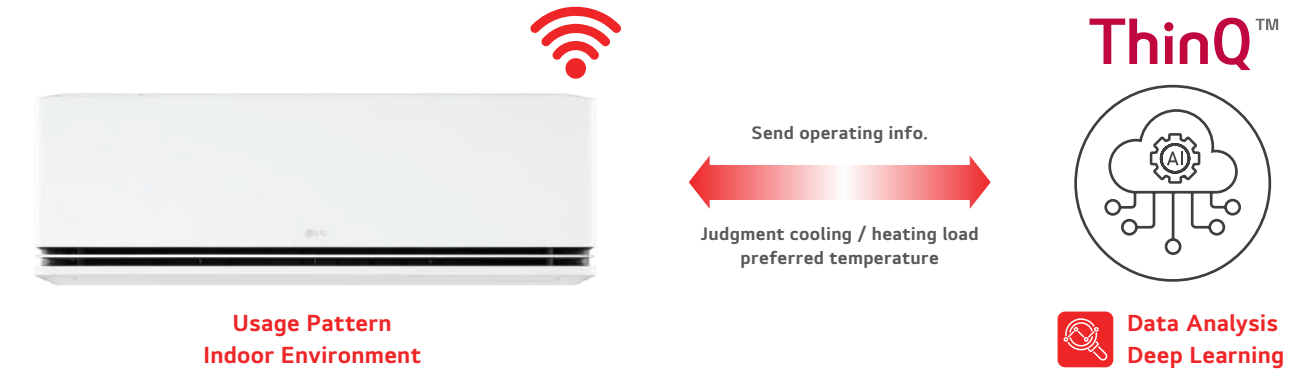
※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
※ The AI Air function is available exclusively in heating and cooling modes when utilised with the ThinQ app. When the function is activated, it automatically operates in one of three airflow modes (Direct, Indirect, Soft Air) using the ThinQ settings based on the occupant's location. It is necessary to set the positions of both the product and the occupant via the ThinQ app. Based on the set positions and the indoor environment, the airflow mode and product performance are adjusted automatically, however, tracking functionality is not available.
※ ThinQ app available from Google Play Store or Apple App required, compatible with Android or iOS smartphones required (Android OS 7.0 or higher, iOS 14.0 or higher). Phone and home Wi-Fi Data connection and product registration with ThinQ required. Visit lg.com/au/lg-thinq for features, system compatibility and service availability which may vary by model.

Key Feature

AI Air (by ThinQ)

Intelligent Cooling & Heating with AI Analysis

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



Benefit

Stay Comfortable Wherever You Are

Enjoy personalized comfort, no matter where you are in the room. Use the ThinQ app to set up your location, to help achieve 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 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.

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.



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AI Comfort Control

DUALVane™

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

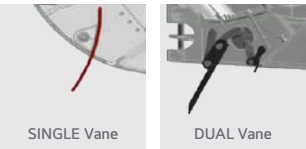


Extended Airflow Reach

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 and heating throughout the room, enhancing comfort.

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, minimising the discomfort of direct wind contact and creating a more balanced and pleasant environment.



Faster Cooling & Heating

DUAL Vane can provide optimised airflow that traditional single vane cannot achieve. It enables cooling up to 23% faster and heating up to 6% faster than single vane.



※ Performance comparison vs Single Vane

- 1) The percentage time improvement relative to the previous model is defined as the duration required to decrease the temperature by 5°C (for cooling) or to increase it by 5°C (for heating) from the initial average room temperature. Tested in LG environment testing chamber at Jet Mode with the following condition : Cooling : Indoor 30°C DB / 60% RH, Outdoor 35°C DB / 50% RH and 18°C setting Heating : Jet Mode, Indoor 12°C DB / 60% RH, Outdoor 7 °C DB / 60% RH and 30°C setting. The performance result may vary depending on actual usage conditions.
- 2) Measured in LG test chamber, Test model : S3-Q24121D0, installation height 2.0 m, Fan mode. The maximum distance of 22 meters is achieved with an airflow speed of more than 0.25 m/s from the products. The performance result may vary depending on actual usage conditions.

Soft Air

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

Previous	New	Cooling	Soft Air
When turned on, it becomes too cold, and if turned off, it becomes too hot. Additionally, when lying down on the bed, the direct cold wind can quickly make you feel uncomfortably cold.	Experience a shift from excessive cold to a more comfortable and pleasant airflow—a fine-tuned wind flow for your comfort.	Room Temp. Control → Always cold wind	Wind Temp. Control → A pleasant, comfortable wind
		Air Flow Speed Comparison	
		Air Temperature Comparison	

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

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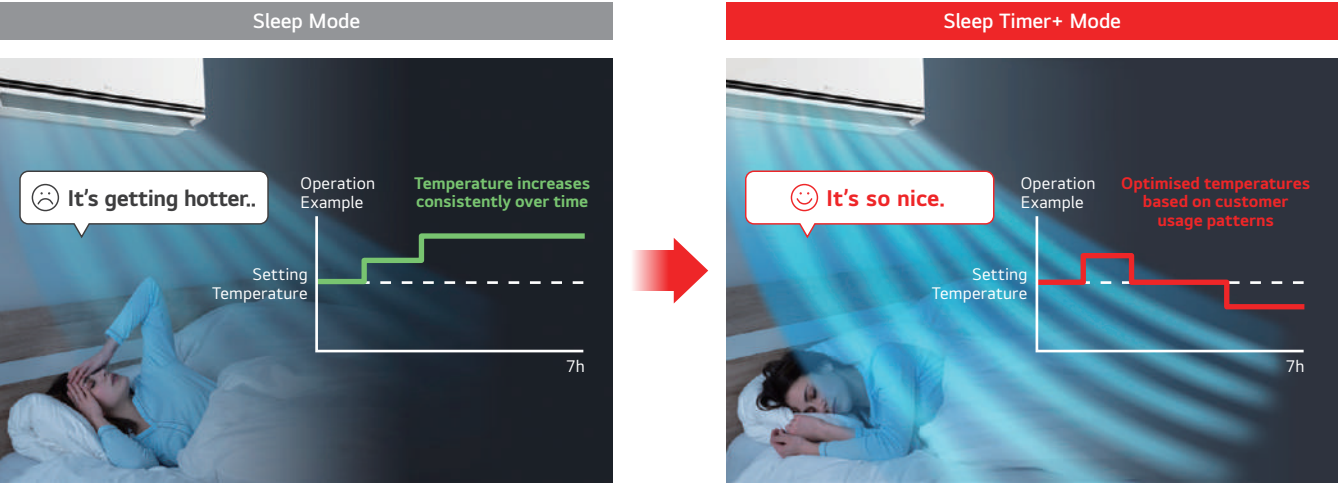
※ Specifications may vary for each model.

AI Comfort Control

Key Feature

Sleep Timer+

Tired of waking up in the middle of the night because it's too cold or too hot? Sleep Timer+ learns your unique air conditioning usage pattern and runs a customised sleep mode just for you so you can keep your bedroom temperature just right for a comfortable night's sleep!



- ※ "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.

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Comfort Humidity Control

Dehumidification often cannot be combined with heating and cooling. That's no longer a concern, thanks to LG DUALCOOL™ Comfort Humidity Control! With an embedded humidity sensor, it helps maintain a humidity level at your desired temperature, so you feel fresh and comfortable.

Previous Model



※ A default humidity 60% control will be activated by pressing the humidity control button.

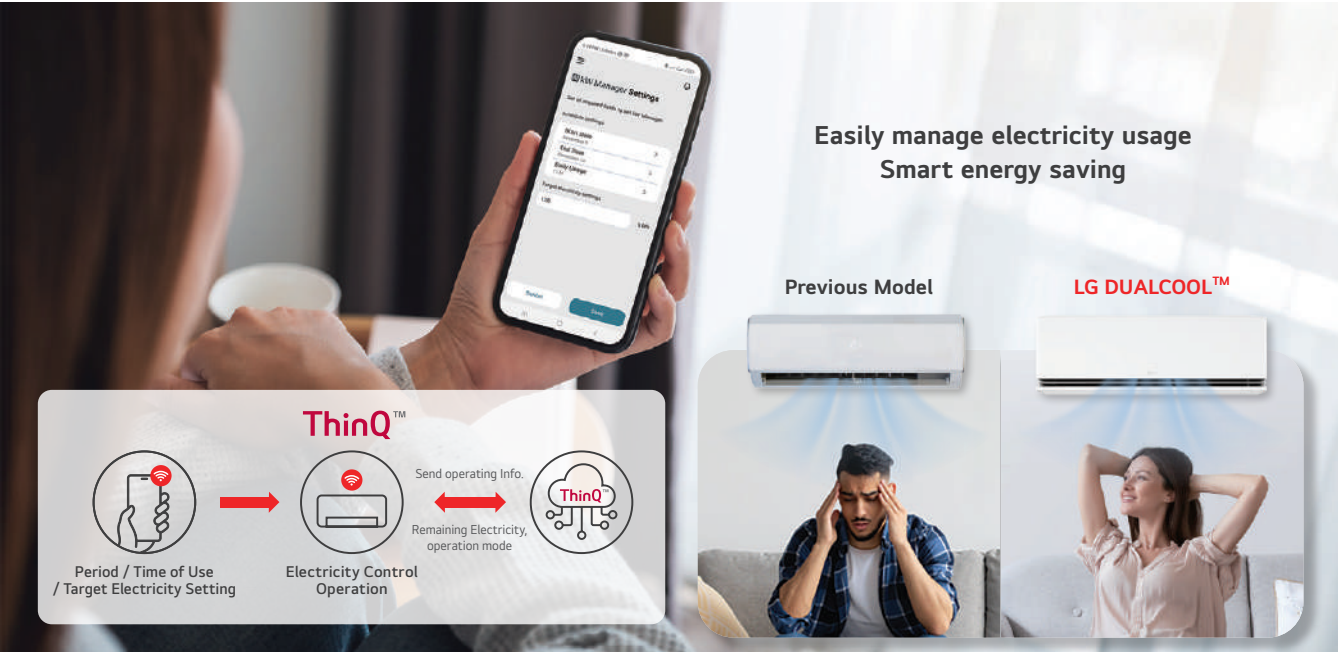
LG DUALCOOL™



Energy Manager+

Proactive Energy Management

As electricity costs continue to rise, maintaining a comfortable indoor environment during the hot summer month can lead to increased energy expenses. To help you manage this more effectively, we've integrated Energy Manager+ into our user-friendly ThinQ app. Simply set your desired power consumption limit, and ThinQ will automatically monitor your usage, alert you when you reach your target.

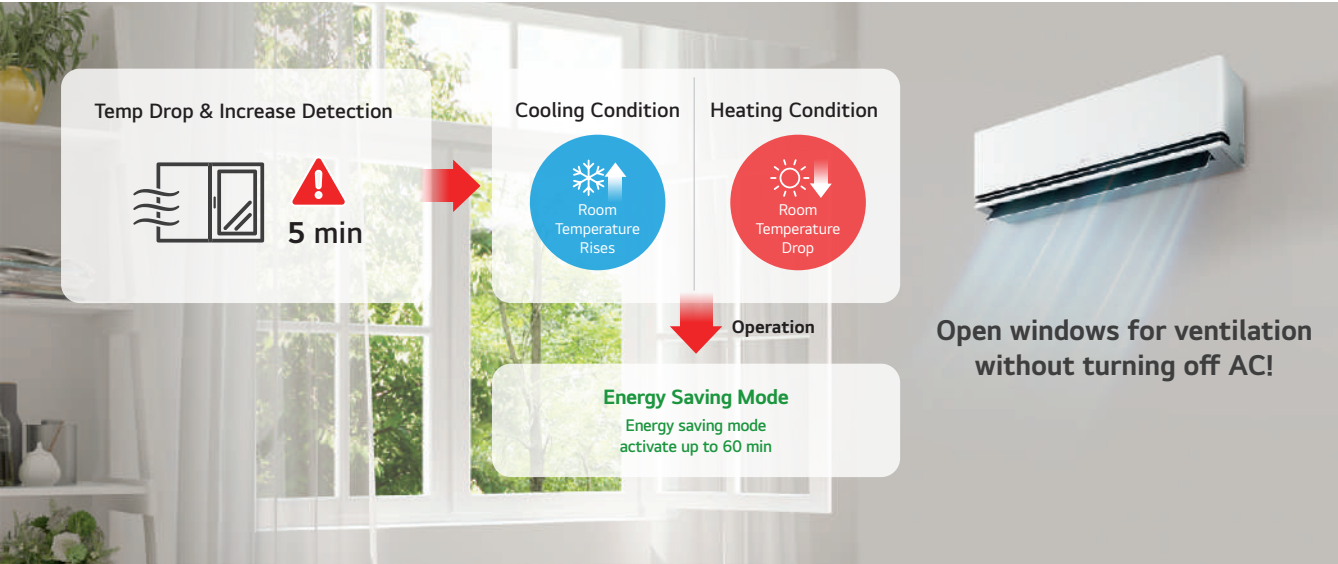


- ※ ThinQ app available from Google Play Store or Apple App required, compatible with Android or iOS smartphones required (Android OS 7.0 or higher, iOS 14.0 or higher). Phone and Home Wi-Fi Data connection and product registration with ThinQ required. Visit lg.com/au/lg-thinq for features, system compatibility and service availability which may vary by model.
- ※ During the set period, accumulated electricity usage and performance will be continuously monitored. Performance adjustments may be made automatically if the target electricity limit is forthcoming.

Window Open Detection

Proactive Energy Management

With LG DUALCOOL™ Window Opening Detection, if you leave your window open while the AC is on, the unit detects the sudden temperature decrease or increase and automatically enters energy saving mode to prevent further energy loss.



- ※ The initial setting is off when the product is shipped. This function can be set up through "ThinQ" only.
- ※ The "Window open detection" is available in Cooling and Heating mode only.
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Key Feature

5-Step Cleaning

To make sure you're getting clean air out of your AC, it's important to keep the inner mechanism clean. LG DUALCOOL™ does this with Freeze Cleaning which freezes odour-causing materials like dust and bacteria on the evaporator – as ice melts, those contaminants are washed out, leaving the evaporator clean!

Step 1. Pre-Filter (Washable)
Traps big dust

Step 2. Allergen Filter (Deluxe Models Only)
Reduce exposure to House Dust Mites Allergen

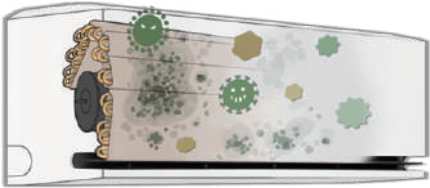
Step 3. Auto Clean⁺
Minimise formation of bacteria mould and odours

Step 4. Freeze Cleaning
Removes heat exchanger dust and bacteria

Step 5. Plasmaster™ Ionizer⁺ (Deluxe Models Only)
Reduce bacteria and unpleasant odours associated with E. Coli, S. Aureus and P. Aeruginosa

※ The Image shown above varies by model.

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 odour-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.

Dirty
air conditioner indoor unit

Step. 1 Freeze
Ice layer formed between evaporator and odor causing substances

Step. 2 Defrost & Wash
The ice formed melts, washing away these substances down the drain

Step. 3 Dry
The indoor fans dries up the evaporator unit

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

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Clean Air

One-click Scheduled Cleaning

Never quite sure which cleaning feature to use when? Don't worry - with One-Click Scheduled Cleaning, all it takes is one button to set in motion a seriously thorough multi-step cleaning cycle which will help keep the coils of your LG DUALCOOL™ clean. Best for when the seasons change, like the start of summer!

Dirty Air Conditioner Indoor Unit

Step. 1
Generating Condensed water (15-20 mins.)

Step. 2
Freeze Cleaning (30-60 mins.)

Step. 3
Auto Clean⁺ (8-20 mins.)

"One-click Scheduled Cleaning" automatically operates from cleaning to drying, making it easy to keep the inside of the product hygienic.

※ One-click Scheduled Cleaning operates through ThinQ only. When using the One-click Scheduled Cleaning function, Generating Condensed water, Freeze Cleaning, and Auto Clean+ will operate sequentially. The operation time of the One-click Scheduled Cleaning function may vary depending on environmental and usage conditions.
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Auto Clean⁺

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

Calculates the drying time automatically based on the product's (compressor) operating time and the difference between the desired temperature with the room temperature to help remove moisture inside the product.

Cooling Mode

Auto Clean⁺

Calculate Dry-up Time
- Temperature difference
- Cooling operation time
- Fan speed (Drying)

10 min 20 min

Min. Max.

Auto Clean⁺ Operation Range

Fan mode 10-20 min, variable time dry-up

※ 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 dry time is automatically set up to 20 minutes.
※ 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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Clean Air

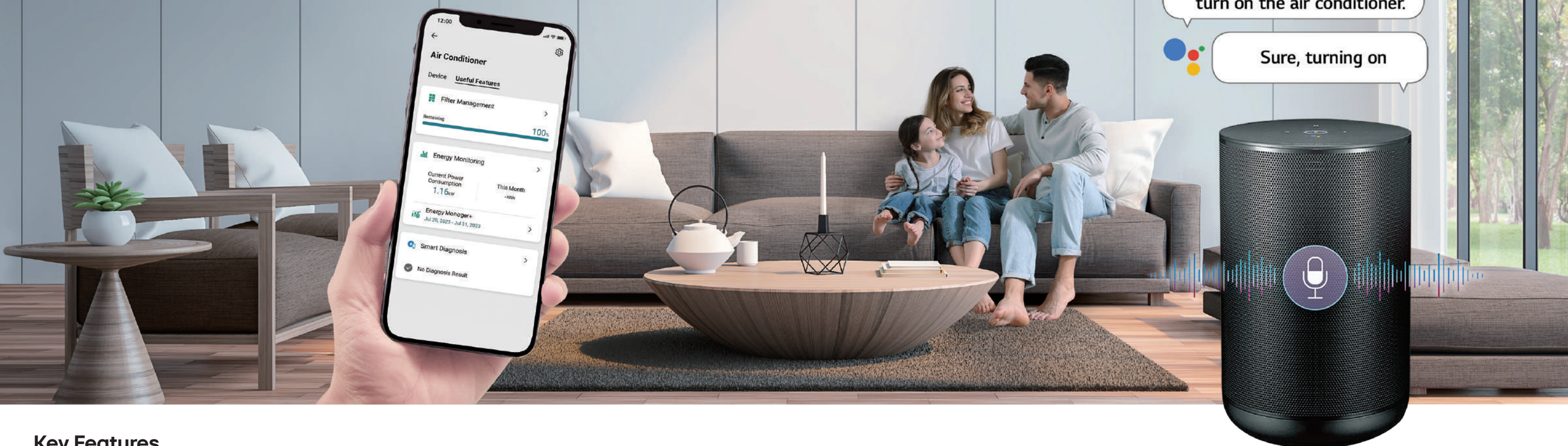
Clean Air

Anytime, Anywhere!

LG DUALCOOL™

powered by ThinQ™

with Voice Control



Key Features

Elevate Your Daily Routine with ThinQ

Arrive home to comfort
"Imagine arriving to a comfortable home all year round."

Monitor monthly electricity bills
"Track your AC usage and stay informed about your monthly electricity consumption."

Switch off AC after you've left
"No more worries about leaving the AC on – switch it off with a tap."

No need to search for the remote control
"Control your air conditioner effortlessly with your phone. Forget the hassle of searching for the remote—simply adjust settings from the comfort of your couch, ensuring convenience at your fingertips."

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.

Step 1

Issue a voice command to the AI Speaker.

Step 2

The AI Speaker converts the user's voice input into text.

works with the Google Assistant

amazon alexa

Step 3

The AI Speaker server identifies that the user is invoking the Appliance skill and relays the user's intent to the LG Server.

ThinQ™

Step 4

The LG Server activates the corresponding appliance based on the user's command.

※ 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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powered by
Smart Inverter Heatpump Compressor

What is the Smart Inverter Heatpump Compressor?

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



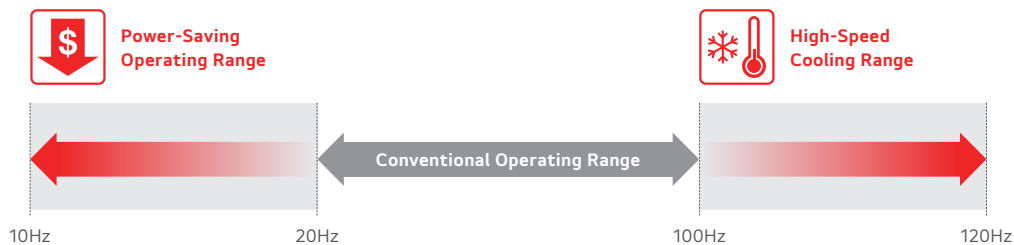
Product Reliability Improvement

The Smart Inverter HeatPump Compressor reduces the vibration and with it the sound pressure levels. The reduction in vibration reduces the possibility of fractures occurring in the the surrounding pipework.

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 conventional compressors.



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

Low Noise

LG air conditioners operate at 20 dB low noise level.

How It Works

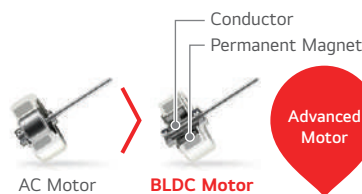
LG's Unique Skew Fan

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.



BLDC Fan Motor

With strong torque and powerful ND magnetism as well as precise speed control of 13 different steps for smooth operation, the BLDC motor provides substantial air volume and high static pressure, while keeping electrical and mechanical noise lower, and making high-speed operation available.



Conventional AC Motor

- Low efficiency.
- Heat problem during overhauling.
- Difficult precise speed control.

BLDC Motor

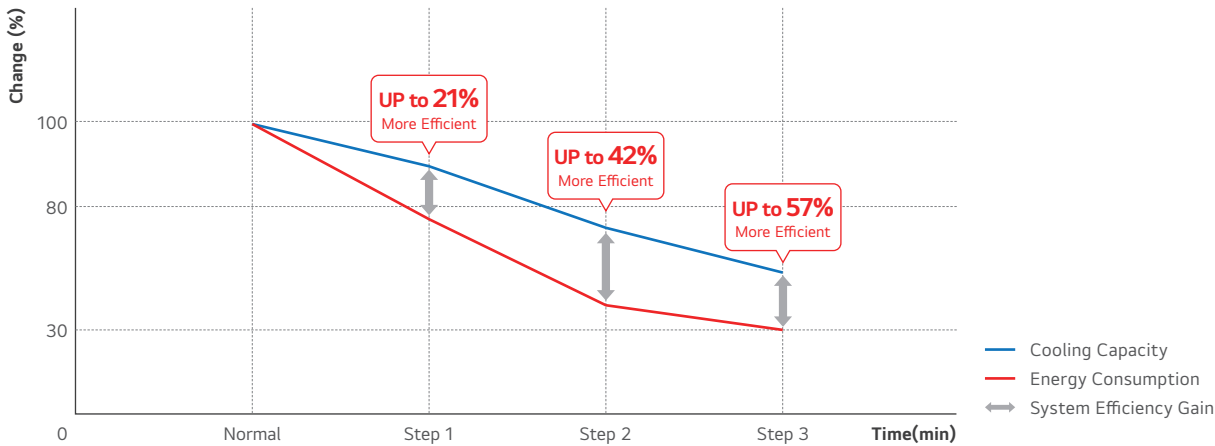
- Low electric and mechanical noise.
- Durable precise speed control.

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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



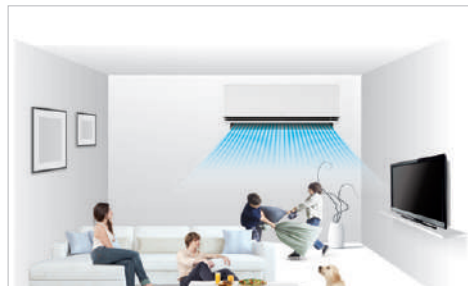
※ Test Conditions : Normal Temperature (Indoor Temperature at the Cooling Mode : 28°C, Outdoor Temperature : 32°C)
※ Test Model : DC12RH

※ 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.

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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.

ThinQ™

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 customise 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



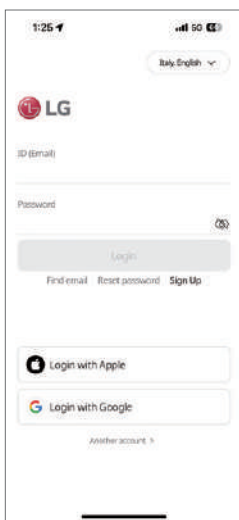
※ Can be controlled by multiple users, but not simultaneously.

Multi-control



② Easy Registration and Log-in

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



Benefit

Simple Operation for Various Functions



Energy Monitoring



One-click Scheduled Cleaning



Integrated Home Appliances Control

Monitor and control your LG appliances from one place.

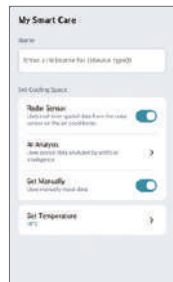


Access Your Air Conditioner Anytime and from Anywhere

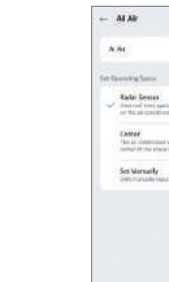
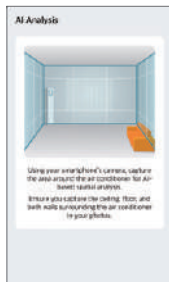
with a Wi-Fi equipped device and LG's exclusive control app, ThinQ.



Straight-forward Management



My Smart Care



AI Air Updated

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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.

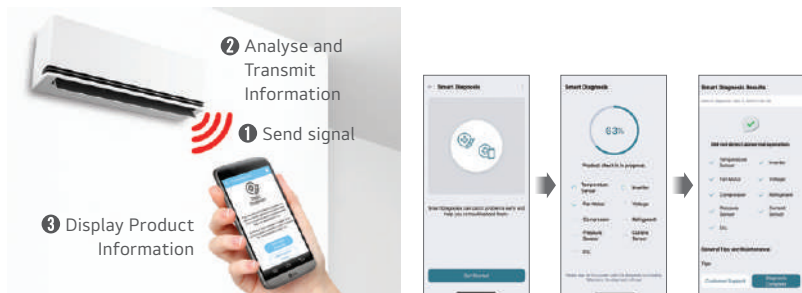
※ Builds upon widespread smartphone use and offers greater USP diversification

※ 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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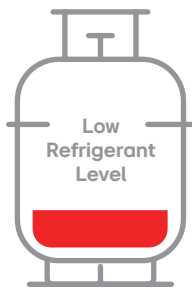
Low Refrigerant Detection

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

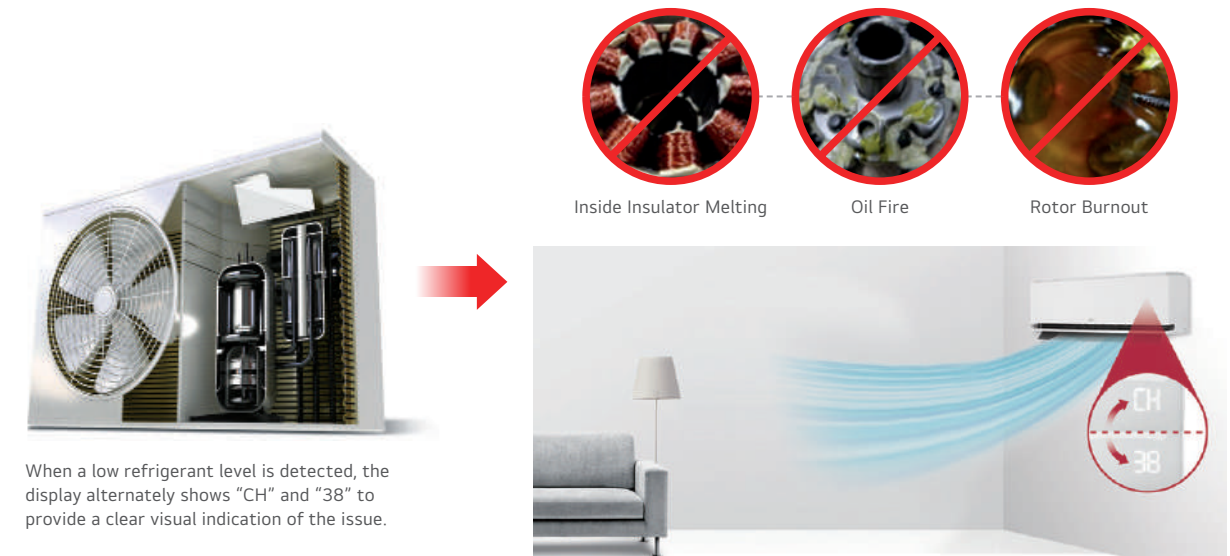
- 1 The heat exchanger temperature is relatively cool.
- 2 The outdoor unit is functioning correctly.
- 3 Energy consumption adheres to a standard pattern.

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



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.

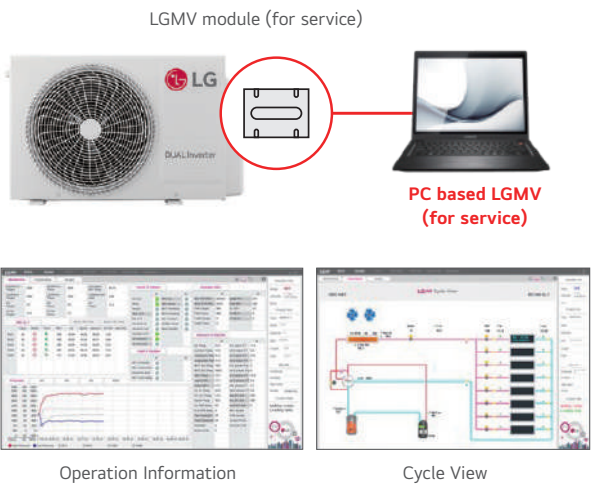
※ Some models show CH and 38 alternately on the display.

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

Mobile LGMV (Monitoring View)

LGMV 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.

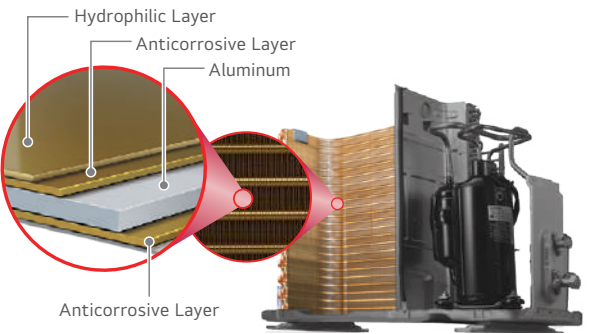
Gold Fin™

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.

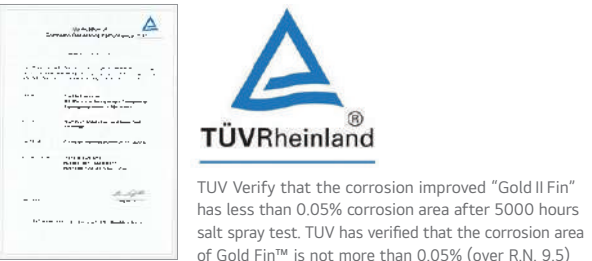


※ Depending on the experimental conditions.

Test Result



※ Test Condition
- Test standard : ISO9227:2017 , ISO10289:1999, ASTM B 117 Salt spray test
- Test Sample : Al Fin sheet (100 μm, 70 X 150 mm) + Organic Coating (1.65 g/m²)
- Setting Condition : (35±2)°C, 6.5 ~ 7.2 pH, (5±1)% NaCl salt fog spray, 5,000 h
- Test Result : Not More than 0.05% of corrosion area ratio. (over R.N. 9.5)



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※ Specifications may vary for each model.

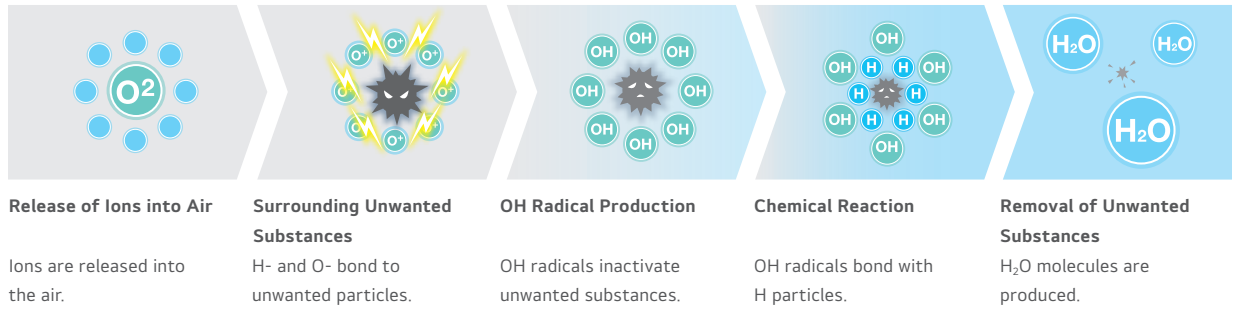
Plasmaster™ Ionizer+ (Deluxe Models Only)

The plasmaster Ionizer+ helps reduce bacteria and unpleasant odours associated with Escherichia Coli, Staphylococcus aureus and Pseudomonas Aeruginosa.

How It Works

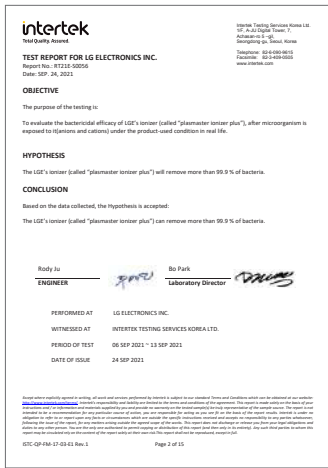
Reduction and Deodorisation

The plasmaster Ionizer+ helps reduce Escherichia Coli, Staphylococcus aureus and Pseudomonas Aeruginosa in the surface.



Benefit & Verification

The LGE's ionizer, known as "Plasmaster Ionizer+," has demonstrated the capability to reduce Escherichia coli, Pseudomonas aeruginosa, and Staphylococcus aureus bacteria.



※ Depending on the experimental conditions.

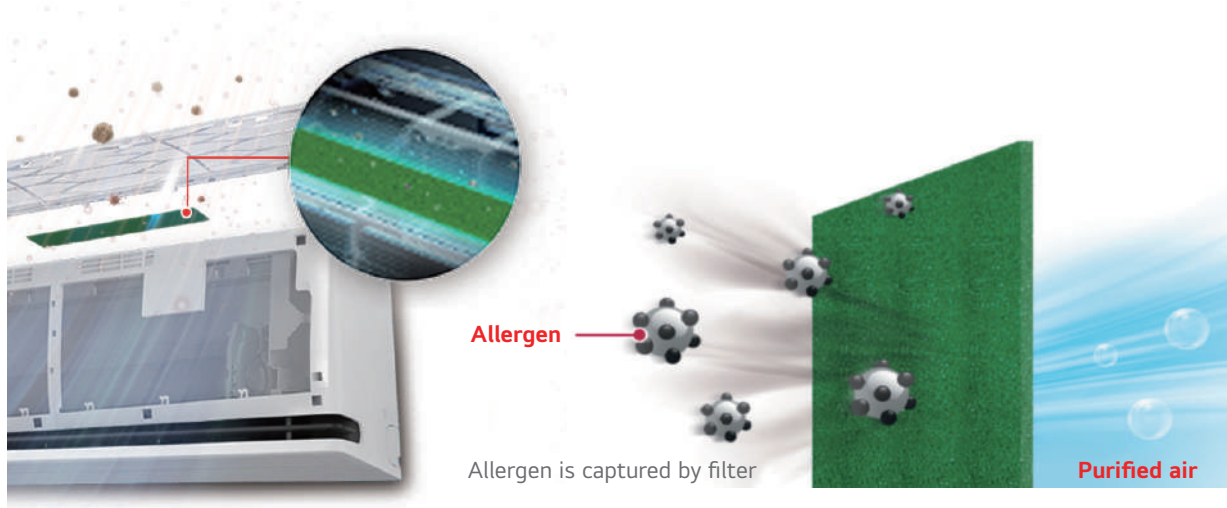
※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
※ Specifications may vary for each model.

Allergen Filter (Deluxe Models Only)

While airflow from an air conditioner may trigger symptoms associated with allergies or asthma, LG units feature an interior filter designed to assist in reducing exposure to house dust mites allergen.

How It Works

Reduce Exposure to House Dust Mites Allergen



Certification



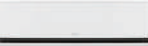
Approved by Allergy UK

* 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.

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

Indoor Units

Model		kBtu	9	12	18	24	30	34
		kW	2.5	3.5	5.0	7.1	8.0	9.0
LG DUALCOOL™	AI Air Deluxe	   	AH09S1S	AH12S1S	AH18S2S	AH24S2S		
	AI Air Standard	   	AS09S0S	AS12S0S	AS18S1S	AS24S2S		
	High Efficiency	  					WH30SR-18	WH34SR-18

Outdoor Units

Model		kBtu	9	12	18	24	30	34
		kW	2.5	3.5	5.0	7.1	8.0	9.0
LG DUALCOOL™	AI Air Deluxe	 	AH09S1S	AH12S1S	AH18S2S	AH24S2S		
	AI Air Standard	 	AS09S0S	AS12S0S	AH18S1S	AS24S2S		
	High Efficiency	 					WH30SR-18	WH34SR-18

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Category		LG DUALCOOL™									
Product Naming		AI Air Deluxe				AI Air Standard				High Efficiency	
											
Cool		2.5 kW	3.5 kW	5.0 kW	7.1 kW	2.5 kW	3.5 kW	4.8 kW	7.1 kW	8.5 kW	9.4 kW
Heat		3.2 kW	3.7 kW	6.0 kW	7.8 kW	3.0 kW	3.7 kW	5.2 kW	7.7 kW	9.0 kW	10.3 kW
CORE TECH	Smart Inverter	○	○	○	○	○	○	○	○	○	○
	 AI Air	○	○	○	○	○	○	○	○	-	-
	ThinQ™	○	○	○	○	○	○	○	○	○	○
COMFORT	Soft Air	○	○	○	○	○	○	○	○	-	-
	DUALVane™	○	○	○	○	○	○	○	○	-	-
	Swing	4-Way	4-Way	4-Way	4-Way	4-Way	4-Way	4-Way	4-Way	4-Way	4-Way
	Jet Cool	○	○	○	○	○	○	○	○	○	○
	Energy Display & Monitoring	○	○	○	○	○	○	○	○	○	○
	Sleep Timer+	○	○	○	○	○	○	○	○	○	○
	Comfort Humidity Control	○	○	○	○	○	○	○	○	-	-
	Energy Manager+	○	○	○	○	○	○	○	○	-	-
	Window Open Detection	○	○	○	○	○	○	○	○	-	-
	Low Noise	○	○	○	○	○	○	○	○	○	○
	Active Energy Control	○	○	○	○	○	○	○	○	○	○
	One-click Scheduled Cleaning	○	○	○	○	○	○	○	○	-	-
CLEAN AIR	Auto Clean+	○	○	○	○	○	○	○	○	-	-
	Freeze Cleaning™	○	○	○	○	○	○	○	○	-	-
	Plasmaster™ Ionizer+	○	○	○	○	-	-	-	-	○	○
	Allergen Filter	○	○	○	○	-	-	-	-	○	○
	Auto Cleaning	-	-	-	-	-	-	-	-	○	○
SMART	Low Refrigerant Detection	○	○	○	○	○	○	○	○	-	-
	Embedded Wi-Fi	○	○	○	○	○	○	○	○	○	○
	Smart Diagnosis	○	○	○	○	○	○	○	○	○	○
	Mobile LGMV	○	○	○	○	○	○	○	○	○	○
	Voice Control	○	○	○	○	○	○	○	○	○	○
DURABILITY	Gold Fin™	○	○	○	○	○	○	○	○	○	○
	10-year Compressor Limited Part Only Warranty*	○	○	○	○	○	○	○	○	○	○
ENERGY RATING	Cooling	6.0 / 5.0 / 5.5	5.0 / 4.5 / 5.0	5.0 / 4.5 / 5.0	4.0 / 3.5 / 4.0	5.0 / 4.5 / 4.5	4.0 / 3.5 / 4.0	3.5 / 3.5 / 3.5	3.5 / 3.5 / 4.0	3.0 / 3.0 / 3.0	3.0 / 3.0 / 3.0
	Heating	3.5 / 3.0 / 3.0	3.5 / 3.0 / 2.5	3.0 / 2.5 / 2.0	3.0 / 2.5 / 2.0	3.0 / 2.5 / 2.5	3.0 / 2.5 / 2.0	3.0 / 2.5 / 2.0	2.5 / 2.0 / 1.5	3.0 / 2.5 / 2.0	3.0 / 2.5 / 1.5

* 5 years parts and labour + 5 years limited part warranty on the compressor.
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Wireless Remote Control



DUALCOOL
AI Air Deluxe

- 1 Power, Connecting to ThinQ
- 2 Mode, Room Temp.
- 3 Up-Down Swing, Cleaning Mode
- 4 Left-Right Swing, Freeze Cleaning
- 5 AI Air, Auto Clean
- 6 Temperature
- 7 Fan Speed
- 8 Jet / Soft, Light
- 9 Energy Ctrl., Consumption
- 10 Air Purify, Mute
- 11 Sleep, Clear
- 12 On, Clear
- 13 Off, Clear



DUALCOOL
AI Air Standard

- 1 Power, Connecting to ThinQ
- 2 Mode, Diagnosis
- 3 Up-Down Swing, Cleaning Mode
- 4 Left-Right Swing, Freeze Cleaning
- 5 AI Air, Auto Clean
- 6 Temperature
- 7 Fan Speed
- 8 Jet / Soft, Light
- 9 Energy Ctrl., Consumption
- 10 Room Temp., Mute
- 11 Sleep, Clear
- 12 On, Clear
- 13 Off, Clear

Wireless Remote Control



DUALCOOL
High Efficiency

- 1 Comfort Air Mode
- 2 On / Off
- 3 Light Off
- 4 Operation Mode
- 5 Temperature Setting
- 6 Indoor Fan Speed
- 7 Energy Control
- 8 Jet Cool / Jet Heat
- 9 Airflow Control (Up and Down)
- 10 Airflow Control (Left and Right)
- 11 Room Temperature
- 12 Function
- 13 Timer
- 14 Set / Clear

Commercial Application

	Premium	Standard III	Standard II
Model	 PREMTA000	 PREMTB101	 PREMTB001
Operation Mode	On / Off, Fan Speed Control, Temperature Setting		
Mode Change	Cooling, Heating, Auto, Dehumidification, Fan		
Auto Swing / Vane Control	☐	☐	☐
Electrical Failure Compensation	☐	☐	☐
Indoor Temperature Display	☐	☐	☐
Child Lock	☐	☐	☐
Reservation	Schedule (Weekly, Annual), Holiday Setting, Daily Timer (On / Off), Timer (Simple, Sleep)		Schedule (Weekly), Holiday Setting, Daily Timer (On/Off), Timer (Simple, Sleep)
Time Display	☐	☐	☐
Humid. Display	☐	☐	X
Operation Status LED	☐	☐	☐
Display	5 inch Color Display Full Touch Screen	4.3 inch Color Display	4.3 inch Mono Display
Size (W x H x D, mm)	137 x 121 x 16.5	120 x 120 x 16	
Black Light Control for Screen Saver	☐	☐	X

※ Must be purchased separately.
※ If you need more details, please refer to the manual of product.
※ Refer to each model PDB for applicable models.



LG DUALCOOL™ AI Air Deluxe

Model				AH09S1S			AH12S1S		
Indoor Unit			Unit	AH09S1N			AH12S1N		
Outdoor Unit				AH09S1U			AH12S1U		
Rated Capacity	Cooling	Min ~ Rated ~ Max	kW	1.04	2.50	4.00	1.04	3.50	4.35
	Heating	Min ~ Rated ~ Max	kW	1.04	3.20	5.50	1.04	3.70	6.00
Power Input	Cooling	Min ~ Rated ~ Max	W	230	555	1,500	230	885	1,500
	Heating	Min ~ Rated ~ Max	W	180	625	1,750	180	785	1,750
Running Current	Cooling	Min ~ Rated ~ Max	A	1.1	2.8	6.5	1.1	4.2	6.5
	Heating	Min ~ Rated ~ Max	A	0.9	3.1	7.5	0.9	3.8	7.5
EER / COP		Cold / Hot	-	4.50 / 5.12			3.95 / 4.71		
AEER / ACOP		Cold / Hot	-	4.48 / 5.09			3.94 / 4.69		
Energy Label Grade	Cooling	Hot / Mixed / Cold	-	6.0 / 5.0 / 5.5			5.0 / 4.5 / 5.0		
	Heating	Hot / Mixed / Cold	-	3.5 / 3.0 / 3.0			3.5 / 3.0 / 2.5		
TCSPF (RES)		Cold / Mixed / Hot	-	7.31 / 6.95 / 7.69			6.54 / 6.22 / 6.64		
HSPF (RES)		Cold / Mixed / Hot	-	4.53 / 4.99 / 5.28			4.21 / 4.83 / 5.29		
Power Supply			Ø, V, Hz	1, 220 - 240, 50			1, 220 - 240, 50		
Indoor	Air Flow Rate	Cooling, SH / H / M / L	L/s	210 / 175 / 135 / 95			210 / 175 / 135 / 95		
		Heating, SH / H / M / L	L/s	237 / 175 / 135 / 95			237 / 175 / 135 / 95		
	Sound Pressure Level	Cooling, SH / H / M / L	dB(A)	- / 42 / 36 / 27 / 20			- / 42 / 36 / 27 / 20		
		Heating, SH / H / M / L	dB(A)	- / 42 / 36 / 27			- / 42 / 36 / 27		
	Dimensions (W x H x D)	Net	mm	895 x 307 x 235			895 x 307 x 235		
	Weight	Net	kg	12.5			12.5		
Outdoor	Compressor		-	Twin Rotary			Twin Rotary		
	Condenser		-	Gold			Gold		
	Sound Pressure Level	Cooling, Rated	dB(A)	49			49		
		Heating, Rated	dB(A)	51			51		
	Sound Power Level		dB(A)	56			58		
	Dimensions (W x H x D)	Net	mm	770 x 545 x 288			770 x 545 x 288		
	Weight	Net	kg	29.9			29.9		
	Operation Range	Cooling	°C DB	-10 ~ 48			-10 ~ 48		
Heating		°C DB	-15 ~ 24			-15 ~ 24			
Field Connections									
Circuit Breaker			A	16			16		
Power Supply Cable			No. x mm²	3 x 1.0			3 x 1.0		
Power Supply to Unit			-	Outdoor			Outdoor		
Power and Communication Cable			No. x mm²	4 x 1			4 x 1		
Field Piping									
Piping	Size	Liquid	mm	Ø 6.35			Ø 6.35		
		Gas	mm	Ø 9.52			Ø 9.52		
	Connections Method	Indoor / Outdoor	-	Flared / Flared			Flared / Flared		
Drain Hose Size		O.D / I.D	mm	21.5 / 16.0			21.5 / 16.0		
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	m	3 / 7.5 / 20			3 / 7.5 / 20		
		Pre-charge Length	m	12.5			12.5		
	Max. Elevation Difference		m	20			20		
Refrigerant Charge		Type	-	R32			R32		
		Pre-charge	kg	0.9			0.9		
		Additional Charge	g/m	20			20		

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AI Air Deluxe : AI Air, Dual Vane, High Efficiency, Allergen Filter, Plasmaster™ Ionizer+, 5-Step Cleaning, Energy Manager+, One-click Scheduled Cleaning

- AI AIR : LG DUALCOOL™ with AI Air takes home comfort to a whole new level with optimised heating and cooling performance. Take full control of your environment, from temperature and airflow direction to humidity, so you can enjoy cleaner air, greater convenience and smarter energy control.

- DUAL Vane : Versatile DUAL Vane design for faster cooling & heating, increased coverage with customised airflow direction.

- High Efficiency : Enjoy top performance while maximising energy efficiency.

- Comfort Humidity Control : Optimised humidity control alongside heating or cooling.

- Energy Manager+ : Simply set your target power consumption limit and ThinQ will send you an alert when you reach your target.
- One-click Scheduled Cleaning : All it takes is one button to set in motion a thorough multi-step cleaning cycle which will help keep the coils of your LG DUALCOOL™ clean.

- Window Opening Detection : Detects open windows and activates Energy Control.

- Sleep Timer+ : Learns your unique air conditioning usage pattern and runs a customised sleep mode just for you for a restful night.

- Plasmaster™ Ionizer+, Allergen filter, 5-step Cleaning

- 5 years parts and labour warranty + additional 5 years parts only warranty on the compressor.

Model				AH18S2S			AH24S2S		
Indoor Unit			Unit	AH18S2N			AH24S2N		
Outdoor Unit				AH18S2U			AH24S2U		
Rated Capacity	Cooling	Min ~ Rated ~ Max	kW	1.15	5.00	6.20	1.55	7.10	8.60
	Heating	Min ~ Rated ~ Max	kW	1.30	6.00	7.50	2.40	7.80	10.6
Power Input	Cooling	Min ~ Rated ~ Max	W	220	1,260	2,100	370	2,100	2,900
	Heating	Min ~ Rated ~ Max	W	230	1,560	2,600	460	2,100	3,200
Running Current	Cooling	Min ~ Rated ~ Max	A	1.1	6.0	10.0	2.6	9.5	13.2
	Heating	Min ~ Rated ~ Max	A	1.2	7.0	12.2	3.3	9.5	14.4
EER / COP		Cold / Hot	-	3.97 / 3.85			3.38 / 3.71		
AEER / ACOP		Cold / Hot	-	3.96 / 3.84			3.38 / 3.71		
Energy Label Grade	Cooling	Hot / Mixed / Cold	-	5.0 / 4.5 / 5.0			4.0 / 3.5 / 4.0		
	Heating	Hot / Mixed / Cold	-	3.0 / 2.5 / 2.0			3.0 / 2.5 / 2.0		
TCSPF (RES)		Cold / Mixed / Hot	-	6.65 / 6.27 / 6.58			5.82 / 5.49 / 5.69		
HSPF (RES)		Cold / Mixed / Hot	-	3.70 / 4.26 / 4.82			3.61 / 4.22 / 5.00		
Power Supply			Ø, V, Hz	1, 220 - 240, 50			1, 220 - 240, 50		
Indoor	Air Flow Rate	Cooling, SH / H / M / L	L/s	284 / 268 / 216 / 175			350 / 284 / 242 / 190		
		Heating, SH / H / M / L	L/s	350 / 268 / 216 / 175			384 / 284 / 242 / 190		
	Sound Pressure Level	Cooling, SH / H / M / L	dB(A)	- / 46 / 41 / 36 / 27			- / 49 / 44 / 40 / 30		
		Heating, SH / H / M / L	dB(A)	- / 46 / 41 / 36			- / 49 / 44 / 40		
	Dimensions (W x H x D)	Net	mm	1,050 x 307 x 235			1,050 x 307 x 235		
	Weight	Net	kg	12.6			12.6		
Outdoor	Compressor		-	Twin Rotary			Twin Rotary		
	Condenser		-	Gold			Gold		
	Sound Pressure Level	Cooling, Rated	dB(A)	50			55		
		Heating, Rated	dB(A)	53			56		
	Sound Power Level		dB(A)	60			62		
	Dimensions (W x H x D)	Net	mm	870 x 650 x 330			950 x 832 x 330		
	Weight	Net	kg	41			58		
	Operation Range	Cooling	°C DB	-10 ~ 48			-10 ~ 48		
Heating		°C DB	-15 ~ 24			-15 ~ 24			
Field Connections									
Circuit Breaker			A	20			25		
Power Supply Cable			No. x mm²	3 x 2.5			3 x 2.5		
Power Supply to Unit			-	Outdoor			Outdoor		
Power and Communication Cable			No. x mm²	4 x 1			4 x 1		
Field Piping									
Piping	Size	Liquid	mm	Ø 6.35			Ø 6.35		
		Gas	mm	Ø 12.7			Ø 15.88		
	Connections Method	Indoor / Outdoor	-	Flared / Flared			Flared / Flared		
Drain Hose Size		O.D / I.D	mm	21.5 / 16.0			21.5 / 16.0		
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	m	3 / 7.5 / 30			3 / 7.5 / 30		
		Pre-charge Length	m	12.5			7.5		
	Max. Elevation Difference		m	20			20		
Refrigerant Charge		Type	-	R32			R32		
		Pre-charge	kg	1.15			1.85		
		Additional Charge	g/m	20			20		

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LG DUALCOOL™ AI Air Standard

Model				AS09S0S			AS12S0S		
Indoor Unit			Unit	AS09S0N			AS12S0N		
Outdoor Unit				AS09S0U			AS12S0U		
Rated Capacity	Cooling	Min ~ Rated ~ Max	kW	0.89	2.50	3.70	0.89	3.50	4.05
	Heating	Min ~ Rated ~ Max	kW	0.89	3.00	4.60	0.89	3.70	5.00
Power Input	Cooling	Min ~ Rated ~ Max	W	200	575	1,500	200	950	1,500
	Heating	Min ~ Rated ~ Max	W	195	690	1,750	195	945	1,750
Running Current	Cooling	Min ~ Rated ~ Max	A	1.0	3.0	6.5	1.0	4.5	6.5
	Heating	Min ~ Rated ~ Max	A	1.0	3.4	7.5	1.0	4.4	7.5
EER / COP		Cold / Hot	-	4.35 / 4.35			3.68 / 3.92		
AEER / ACOP		Cold / Hot	-	4.32 / 4.33			3.67 / 3.90		
Energy Label Grade	Cooling	Hot / Mixed / Cold	-	5.0 / 4.5 / 4.5			4.0 / 3.5 / 4.0		
	Heating	Hot / Mixed / Cold	-	3.0 / 2.5 / 2.5			3.0 / 2.5 / 2.0		
TCSPF (RES)		Cold / Mixed / Hot	-	6.41 / 6.12 / 6.67			5.60 / 5.32 / 5.73		
HSPF (RES)		Cold / Mixed / Hot	-	4.05 / 4.40 / 4.71			3.75 / 4.27 / 4.77		
Power Supply			Ø, V, Hz	1, 220 - 240, 50			1, 220 - 240, 50		
Indoor	Air Flow Rate	Cooling, SH / H / M / L	L/s	212 / 172 / 127 / 80			212 / 172 / 127 / 80		
		Heating, SH / H / M / L	L/s	217 / 172 / 127 / 80			217 / 172 / 127 / 80		
	Sound Pressure Level	Cooling, SH / H / M / L	dB(A)	- / 43 / 37 / 27 / 20			- / 43 / 37 / 27 / 20		
		Heating, SH / H / M / L	dB(A)	- / 43 / 37 / 27			- / 43 / 37 / 27		
	Dimensions (W x H x D)	Net	mm	799 x 307 x 235			799 x 307 x 235		
	Weight	Net	kg	10.0			10.0		
Outdoor	Compressor		-	Twin Rotary			Twin Rotary		
	Condenser		-	Gold			Gold		
	Sound Pressure Level	Cooling, Rated	dB(A)	49			49		
		Heating, Rated	dB(A)	51			51		
	Sound Power Level		dB(A)	56			58		
	Dimensions (W x H x D)	Net	mm	770 x 545 x 288			770 x 545 x 288		
	Weight	Net	kg	29.9			29.9		
	Operation Range	Cooling	°C DB	-10 ~ 48			-10 ~ 48		
		Heating	°C DB	-15 ~ 24			-15 ~ 24		
Field Connections									
Circuit Breaker			A	16			16		
Power Supply Cable			No. x mm ²	3 x 1.0			3 x 1.0		
Power Supply to Unit			-	Outdoor			Outdoor		
Power and Communication Cable			No. x mm ²	4 x 1			4 x 1		
Field Piping									
Piping	Size	Liquid	mm	Ø 6.35			Ø 6.35		
		Gas	mm	Ø 9.52			Ø 9.52		
	Connections Method	Indoor / Outdoor	-	Flared / Flared			Flared / Flared		
Drain Hose Size		O.D / I.D	mm	21.5 / 16.0			21.5 / 16.0		
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	m	3 / 7.5 / 20			3 / 7.5 / 20		
		Pre-charge Length	m	12.5			12.5		
	Max. Elevation Difference		m	10			10		
		Type	-	R32			R32		
Refrigerant Charge		Pre-charge	kg	0.8			0.8		
		Additional Charge	g/m	20			20		

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AI Air Standard : AI Air, Dual Vane, 3-Step Cleaning, Energy Manager+, One-click Scheduled Cleaning

- AI Air : LG DUALCOOL™ with AI Air takes home comfort to a whole new level with optimised heating and cooling performance. Take full control of your environment, from temperature and airflow direction to humidity, so you can enjoy cleaner air, greater convenience and smarter energy control.
- DUAL Vane Technology : Versatile DUAL Vane design for faster cooling & heating, increased coverage with customised airflow direction.
- Comfort Humidity Control : Optimised humidity control alongside heating or cooling.
- 3-Step Cleaning : Helps remove dust and bacteria on the heat exchanger.
- Energy Manager+ : Simply set your target power consumption limit and ThinQ will send you an alert when you reach your target.
- One-click Scheduled Cleaning : All it takes is one button to set in motion a thorough multi-step cleaning cycle which will help keep the coils of your LG DUALCOOL™ clean.
- Window Opening Detection : Detects open windows and activates Energy Control.
- Sleep Timer+ : Learns your unique air conditioning usage pattern and runs a customised sleep mode just for you for a restful night.
- 5 years parts and labour warranty + additional 5 years parts only warranty on the compressor.

Model				AS18S1S			AS24S2S		
Indoor Unit			Unit	AS18S1N			AS24S2N		
Outdoor Unit				AS18S1U			AS24S2U		
Rated Capacity	Cooling	Min ~ Rated ~ Max	kW	1.20	4.80	5.50	1.85	7.10	7.50
	Heating	Min ~ Rated ~ Max	kW	1.20	5.20	6.40	2.22	7.70	8.50
Power Input	Cooling	Min ~ Rated ~ Max	W	260	1,485	1,940	380	2,200	2,900
	Heating	Min ~ Rated ~ Max	W	250	1,370	2,000	430	2,100	3,050
Running Current	Cooling	Min ~ Rated ~ Max	A	1.2	7.1	9.0	2.6	10.0	13.2
	Heating	Min ~ Rated ~ Max	A	1.2	6.3	9.5	3.1	9.5	13.8
EER / COP		Cold / Hot	-	3.23 / 3.80			3.23 / 3.67		
AEER / ACOP		Cold / Hot	-	3.22 / 3.79			3.22 / 3.66		
Energy Label Grade	Cooling	Hot / Mixed / Cold	-	3.5 / 3.5 / 3.5			3.5 / 3.5 / 4.0		
	Heating	Hot / Mixed / Cold	-	3.0 / 2.5 / 2.0			2.5 / 2.0 / 1.5		
TCSPF (RES)		Cold / Mixed / Hot	-	5.34 / 5.07 / 5.28			5.51 / 5.16 / 5.45		
HSPF (RES)		Cold / Mixed / Hot	-	3.50 / 4.14 / 4.76			3.20 / 3.73 / 4.19		
Power Supply			Ø, V, Hz	1, 220 ~ 240, 50			1, 220 ~ 240, 50		
Indoor	Air Flow Rate	Cooling, SH / H / M / L	L/s	268 / 200 / 160 / 125			350 / 284 / 242 / 190		
		Heating, SH / H / M / L	L/s	270 / 210 / 175 / 125			384 / 284 / 242 / 190		
	Sound Pressure Level	Cooling, SH / H / M / L	dB(A)	- / 44 / 39 / 34 / 31			- / 49 / 44 / 40 / 30		
		Heating, SH / H / M / L	dB(A)	- / 44 / 39 / 34			- / 49 / 44 / 40		
	Dimensions (W x H x D)	Net	mm	895 x 307 x 235			1,050 x 307 x 235		
	Weight	Net	kg	11.2			12.6		
Outdoor	Compressor		-	Twin Rotary			Twin Rotary		
	Condenser		-	Gold			Gold		
	Sound Pressure Level	Cooling, Rated	dB(A)	53			54		
		Heating, Rated	dB(A)	55			57		
	Sound Power Level		dB(A)	61			63		
	Dimensions (W x H x D)	Net	mm	770 x 545 x 288			870 x 650 x 330		
	Weight	Net	kg	33			44		
	Operation Range	Cooling	°C DB	-10 ~ 48			-10 ~ 48		
		Heating	°C DB	-15 ~ 24			-15 ~ 24		
Field Connections									
Circuit Breaker			A	20			25		
Power Supply Cable			No. x mm ²	3 x 2.5			3 x 2.5		
Power Supply to Unit			-	Outdoor			Outdoor		
Power and Communication Cable			No. x mm ²	4 x 1			4 x 1		
Field Piping									
Piping	Size	Liquid	mm	Ø 6.35			Ø 6.35		
		Gas	mm	Ø 12.7			Ø 12.7		
	Connections Method	Indoor / Outdoor	-	Flared / Flared			Flared / Flared		
Drain Hose Size		O.D / I.D	mm	21.5 / 16.0			21.5 / 16.0		
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	m	3 / 7.5 / 20			3 / 7.5 / 30		
		Pre-charge Length	m	7.5			7.5		
	Max. Elevation Difference		m	10			20		
Refrigerant Charge		Type	-	R32			R32		
		Pre-charge	kg	1.0			1.3		
		Additional Charge	g/m	20			20		

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LG DUALCOOL™ High Efficiency

Model				WH30SR-18	
Indoor Unit			Unit	WH30SRN-18	
Outdoor Unit				WH30SRU-18	
Rated Capacity	Cooling		kW	8.5	
	Heating		kW	9.0	
Capacity Range	Cooling	Min ~ Max	kW	2.00 ~ 9.50	
	Heating	Min ~ Max	kW	2.00 ~ 12.00	
Power Input	Cooling	Rated	kW	2.26	
	Heating	Rated	kW	2.24	
Running Current	Cooling	Rated	A	10.10	
	Heating	Rated	A	10.00	
EER			W/W	3.76	
AEER			-	3.76	
COP			W/W	4.02	
ACOP			-	4.02	
Energy Label Grade	Cooling	Hot / Mixed / Cold	-	3.0 / 3.0 / 3.0	
	Heating	Hot / Mixed / Cold	-	3.0 / 2.5 / 2.0	
TCSPF (RES)		Cold / Mixed / Hot	-	4.67 / 4.51 / 4.69	
HSPF (RES)		Cold / Mixed / Hot	-	3.65 / 4.13 / 4.5	
Power Supply			Ø, V, Hz	1, 220 - 240, 50	
Indoor	Air Flow Rate	Max / H / M / L	L/s	516 / 416 / 350 / 283	
	Sound Pressure Level	Cooling, Max / H / M / L / SL	dB(A)	- / 51 / 46 / 42 / 33	
	Dimensions (W × H × D)	Net	mm	1,200 x 360 x 265	
	Weight	Net	kg	18.5	
Outdoor	Compressor		-	Twin Rotary	
	Condenser		Corrosion Protection	-	Gold
	Sound Pressure Level	Cooling, Rated	dB(A)	55	
		Heating, Rated	dB(A)	57	
	Sound Power Level		dB(A)	65	
	Dimensions (W × H × D)	Net	mm	950 x 832 x 330	
	Weight	Net	kg	64.6	
	Operation Range	Cooling	°C DB	-10 ~ 48	
Heating		°C DB	-15 ~ 24		
Field Connections					
Circuit Breaker			A	25	
Power Supply Cable			No. x mm ²	3 x 2.5	
Power Supply to Unit			-	Outdoor	
Power and Communication Cable			No. x mm ²	4 x 1.0	
Field Piping					
Piping	Size	Liquid	mm (inch)	Ø 9.52 (3/8)	
		Gas	mm (inch)	Ø 15.88 (5/8)	
	Connections Method	Indoor / Outdoor	-	Flared / Flared	
Drain Hose Size		O.D / I.D	mm	20 / 15	
Between Indoor & Outdoor	Piping Length	Min ~ Max	m	3 ~ 30	
		Pre-charge Length	m	7.5	
	Max. Elevation Difference		m	20	
	Piping Connection Heat Insulation		-	Both liquid and gas pipes	
Refrigerant Charge	Type		-	R32	
	Pre Charge		g	2,000	
	Additional Charge		g/m	20	
	Control		-	Electronic Expansion Valve	

※ Dimensions do not include service valve part / cover.
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High Efficiency Series with Built in Wi-Fi

- 5 years parts and labour warranty + additional 5 years parts only warranty on the compressor
- Auto Clean
- Plasmaster Ionizer+
- Active Energy Control 4 Step

Model				WH34SR-18	
Indoor Unit			Unit	WH34SRN-18	
Outdoor Unit				WH34SRU-18	
Rated Capacity	Cooling	kW		9.4	
	Heating	kW		10.3	
Capacity Range	Cooling	Min ~ Max	kW	2.00 ~ 11.20	
	Heating	Min ~ Max	kW	2.00 ~ 12.80	
Power Input	Cooling	Rated	kW	2.68	
	Heating	Rated	kW	2.74	
Running Current	Cooling	Rated	A	12.00	
	Heating	Rated	A	12.30	
EER			W/W	3.51	
AEER			-	3.51	
COP			W/W	3.76	
ACOP			-	3.76	
Energy Label Grade	Cooling	Hot / Mixed / Cold	-	3.0 / 3.0 / 3.0	
	Heating	Hot / Mixed / Cold	-	3.0 / 2.5 / 1.5	
TCSPF (RES)		Cold / Mixed /Hot	-	4.72 / 4.51 / 4.69	
HSPF (RES)		Cold / Mixed /Hot	-	3.43 / 4.01 / 4.54	
Power Supply			Ø, V, Hz	1, 220 - 240, 50	
Indoor	Air Flow Rate	Max / H / M / L	L/s	516 / 416 / 350 / 283	
	Sound Pressure Level	Cooling, Max / H / M / L / SL	dB(A)	- / 51 / 46 / 42 / 33	
	Dimensions (W × H × D)	Net	mm	1,200 x 360 x 265	
	Weight	Net	kg	18.5	
Outdoor	Compressor		-	Twin Rotary	
	Condenser		Corrosion Protection	-	Gold
	Sound Pressure Level	Cooling, Rated	dB(A)	55	
		Heating, Rated	dB(A)	57	
	Sound Power Level		dB(A)	65	
	Dimensions (W × H × D)	Net	mm	950 x 832 x 330	
	Weight	Net	kg	64.6	
	Operation Range	Cooling	°C DB	-10 ~ 48	
Heating		°C DB	-15 ~ 24		
Field Connections					
Circuit Breaker			A	25	
Power Supply Cable			No. x mm²	3 x 2.5	
Power Supply to Unit			-	Outdoor	
Power and Communication Cable			No. x mm²	4 x 1.0	
Field Piping					
Piping	Size	Liquid	mm (inch)	Ø 9.52 (3/8)	
		Gas	mm (inch)	Ø 15.88 (5/8)	
	Connections Method	Indoor / Outdoor		-	Flared / Flared
Drain Hose Size		O.D / I.D	mm	20 / 15	
Between Indoor & Outdoor	Piping Length	Min ~ Max	m	3 ~ 30	
		Pre-charge Length	m	7.5	
	Max. Elevation Difference		m	20	
	Piping Connection Heat Insulation		-	Both liquid and gas pipes	
Refrigerant Charge	Type		-	R32	
	Pre Charge		g	2,000	
	Additional Charge		g/m	20	
	Control		-	Electronic Expansion Valve	

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Why LG Air Conditioners?

Years of Experience

LG has been keeping Australia comfortable with Home Appliances. With our advanced technology and reliable heating and cooling solutions, You can count on LG to bring you comfort in your home.

Specialist Dealer Network

We have LG Specialist Dealers all across Australia. Our Dealers are experts in their field and will provide you with an obligation free quotation to deliver and install the right solution for your home.

10 Year Compressor - Limited Parts Warranty

The LG Smart Inverter Compressor™ is designed to cope with high temperatures, so great for those hot Australian conditions. With the 10 year compressor parts warranty*, you have the peace of mind that you can come home to comfort for years to come.

* 5 years parts and labour + 5 years limited part only warranty on the compressor.

Smart Technology*

LG is committed to continuous improvement of our products and incorporating the latest technology in all of our products. Our Split System air conditioners not only have features to efficiently heat or cool your home, but also technology to help make it more convenient as well such as embedded WiFi – so you can control your unit with your Smartphone, even when you're not home.

LG air conditioners are now also compatible with Google Home, enabling you to control your air conditioner with the sound of your voice.

* ThinQ app available from Google Play Store or Apple App required, compatible with Android or iOS smartphones required (Android OS 7.0 or higher, iOS 14.0 or higher). Phone and Home Wi-Fi Data connection and product registration with ThinQ required. Visit lg.com/au/lg-thinq for features, system compatibility and service availability which may vary by model.

