2020

AIR CONDITIONERS

2020

LG HVAC SOLUTION

AIR CONDITIONERS

LG

LG
Life's Good

LG Electronics
http://www.lg.com
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- Europe B2B Regional Head Office
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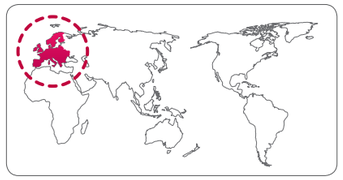
- European Distribution Center
- Europe Energy Lab
- Production Site



GLOBAL PRODUCTION SITE

LG Energy Labs in Europe

LG Energy Labs are driven to fulfill the commitment of meeting all the requirements regarding energy efficiency and environmental demands. Each LG Energy Lab is an innovative site dedicated to provide essential commercial and residential products in heating, ventilation and the latest energy efficient air conditioning solutions. Additionally, as a showcase, the LG Energy Lab is equipped with complete monitoring and control systems. The performance of all products are tracked and analyzed by a team of Research and Development engineers based in France, Finland and Korea, ensuring maximum efficiency and reliability during the complete products' lifecycle.

European Air Conditioning Distribution Center

LG's European Air Conditioning Distribution Center is centralised in Oosterhout, the Netherlands. Supplying and delivering products to 15 countries in Europe, this Distribution hub has contributed to quick and seamless delivery, direct shipping for smaller orders and bespoke delivery to air conditioners. The hub tries to manage inventory efficiency by complying with the LG EU's established inventory pool.

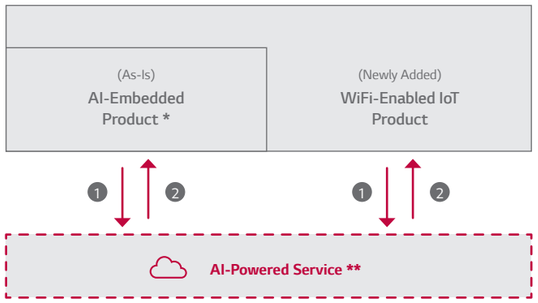
TOTAL HVAC SOLUTION PROVIDER

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.

Made Better with
LG ThinQ™

With most people living lives that are more hectic than ever before, we see the enormous potential benefits new technologies will bring to the home. LG ThinQ links smart products together so that they can work in unison to make your home smarter and more connected. New levels of control and convenience simplify everyday life and free up time so that you can stay focused on what matters. Furthermore, transformative features and services with artificial intelligence will take home evolution one step further. LG ThinQ will provide more personalized and optimized solutions by learning your needs and preferences through its wide range of products. Get more done while doing less. LG ThinQ's Personalized Solution, Proactive Advice, Maximum Efficiencyand Intuitive Controldeliver an elevated, more intelligent lifestyle.
LG ensures its intelligent offerings, AI-powered products and services unlock new roles for homes that can play an important role for truly smart living. Think Wise. Be Free.



1 Understanding users via data collection
2 Providing tips & solutions through AI data analytics

* Previous LG ThinQ products-Requirement: evolving products with vocal/visual/productintelligence
** Examples of AI-Powered Service: -Usage guide/tips, Predictive maintenance, Auto/semi-auto setting (TBD)

LG ThinQ :
A Brand for Products and Services Incorporating Advanced AI Technologies

Consumer Benefits

Intuitive Control
LG ThinQ adds convenience to your daily life by simplifying daily tasks. The LG ThinQ experience is reliable, flexible and effortless from setup to control -and beyond. LG ThinQ products can be controlled from anywhere and at any time with simple voice-commands and a tap of the innovative ThinQ smartphone application. Meaning anywhere can be your home.

Personalized Solution
LG ThinQ provides tailored recommendations and optimal settings, with your needs and preferences taken into account. Thanks to the power of AI, the same products can offer different experiences depending on your unique tastes and specific situations.

Maximum Efficiency
LG ThinQ minimizes energy consumption and can even track your energy usage and expenditure. Beyond mechanical advancements, LG ThinQ provides unrivaled energy efficiency by utilizing a combination of analytics, sensors and usage data.

INDEX

RESIDENTIAL

WALL MOUNTED MULTI SPLIT

Anytime, Anywhere!

DUALCOOL ThinQ™

with Voice Control

Key Feature

Enhance your daily life with LG ThinQ

Cool home when you arrive
"It would be wonderful if my place is already cool when I arrive."

Check electricity bills throughout the month
"How much have I been using the AC lately?

Switch off AC after you've left
"Oh no! Did I remember to turn off the AC?"

No need to search for the remote control your AC with your phone
"Where's the remote control? I don't want to move a inch from my bed!"

Voice control for a better life

- **Very intuitive :** It has never been that simple to control a device.
- **Accessible to everyone :** Young to elder people. Increase your comfort by asking so.
- **Time saving :** Don't look for the remote control anymore, just say it with your voice instead.

Simple voice control, time saving & accessible to everyone

No need to wander around searching for your AC's remote control. LG DUALCOOL LG ThinQ models are also compatible with AI speakers such as LG ThinQ with Google Assistant, Alexa, Google Home and more. From now on, don't bother pressing any buttons. Use your voice instead.

Step 1	Step 2	Step 3	Step 4
Voice command to AI Speaker.	AI Speaker changes User input from voice to text.	AI Speaker server recognizes user is invoking the Appliance skill. Passes the user's intent to LG Server.	LG Server activates appliance.
	Google Cloud LG Cloud	LG ThinQ™	

※ LG SmartThinQ is now renamed to LG ThinQ
※ Smart features and voice assistant product may vary by country and model Check with your local retailer or LG for service availability.

Don’t Worry!

Now, breathe healthily

DUALCOOL

with Air Purification

Cooling + Heating + Air purification

365

Comfort 365 days

Removes Ultrafine dust with

Ion Diffuser &
Micro Dust filtering system

Real-time control & monitoring with

LG ThinQ APP

Key Feature

Air conditioner and air purifier in one

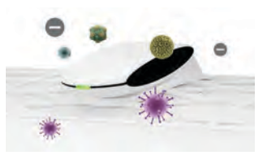
PM1.0 sensor is automatically activated and filtration system uses 5 million ions to capture and remove microscopic dust particles.

Step 1

PM 1.0 Auto Sensing
Detecting indoor dust concentration.

Step 2

Ion Diffuser
5 million negative ions emitted through the air attach to the microscopic partcles.

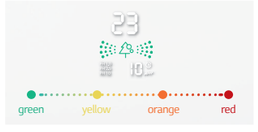


Step 3

Filtration System
Effective particle capture.
(Dust Filter / Micro Dust Filter)

Step 4

Display - Indoor Air Quality status
Display total IAQ. (4 colors)
※ IAQ : Indoor Air Quality



Clean Polluted

※ Formerly branded LG SmartThinQ is now LG ThinQ
※ Smart features and voice assistant product may vary by country and model Check with your local retailer or LG for service availability.

Four seasons of breeze

Enjoy comfort in all four seasons with cooling, heating, and air purification.

Comfort 365 days

4-Way Swing (Indirect Air Flow)

Cool air reaches out to the entire room regardless of where the air conditioner is installed.

6-Step Vane, Control up to 70°

5-Step Louver, Control up to 55°

Conveniently manage air quality with the LG ThinQ app

Let’s check now! History of your air quality by LG ThinQ.

10-Year Inverter Compressor Warranty

With confidence in product quality and a desire to enhance the lives of customers, LG provides a 10-year warranty on the Residential Air Conditioners' Inverter Compressor.

LINE-UP

INDOOR UNIT

○ Single Split Only ○● Compatible ● Multi Split Only

MODEL		KBTU	5	7	9	12	15	18	24
		KW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
ARTCOOL	Gallery	R32 Wi-Fi NEW			○ A09FT.NSF	○ A12FT.NSF			
	Mirror	R32 Wi-Fi		● AM07BP.NSJ	○● AC09BQ.NSJ	○● AC12BQ.NSJ		○● AC18BQ.NSK	○● AC24BQ.NSK
	Silver	R32 Wi-Fi			○● AC09SQ.NSJ	○● AC12SQ.NSJ		○● AC18SQ.NSK	
	Prestige	R32 Wi-Fi NEW			○ F09MT.NSM	○ F12MT.NSM			
	Air Purification	R32 Wi-Fi NEW			○● AP09RT.NSJ	○● AP12RT.NSJ			
DUALCOOL	Deluxe	R32 Wi-Fi		● DM07RP.NSJ	○● DC09RQ.NSJ	○● DC12RQ.NSJ		○● DC18RQ.NSK	○● DC24RQ.NSK
	Deluxe 2	R32 Wi-Fi NEW			○● DC09RT.NSJ	○● DC12RT.NSJ			
	Standard Plus	R32 Wi-Fi	● PM05SP.NSJ	● PM07SP.NSJ	○● PC09SQ.NSJ	○● PC12SQ.NSJ	● PM15SP.NSJ	○● PC18SQ.NSK	○● PC24SQ.NSK
	Standard 2	R32 Wi-Fi NEW			○● S09ET.NSJ	○● S12ET.NSJ		○● S18ET.NSK	○● S24ET.NSK
	Standard	R32			○ S09EQ.NSJ	○ S12EQ.NSJ		○ S18EQ.NSK	○ S24EQ.NSK
	Standard 3	R32 NEW			○ S09ES.NSA	○ S12ES.NSJ			

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

LINE-UP

OUTDOOR UNIT

○ Single Split Only ○● Compatible ● Multi Split Only

MODEL		KBTU	9	12	14	16	18	21	24	27	30
		KW	2.6	3.5	4.1	4.7	5.3	6.2	7.0	7.9	8.8
ARTCOOL	Gallery	R32	○ A09FT.UL2	○ A12FT.UL2							
	Mirror	R32	○ AC09BQ.UA3	○ AC12BQ.UA3			○ AC18BQ.UL2		○ AC24BQ.U24		
	Silver	R32	○ AC09BQ.UA3	○ AC12BQ.UA3			○ AC18BQ.UL2				
	Prestige	R32	○ F09MT.U24	○ F12MT.U24							
	Air Purification	R32	○ AP09RT.UA3	○ AP12RT.UA3							
DUALCOOL	Deluxe	R32	○ DC09RQ.UL2	○ DC12RQ.UL2			○ DC18RQ.UL2		○ DC24RQ.U24		
	Deluxe 2	R32	○ DC09RT.UA3	○ DC12RT.UA3							
	Standard Plus	R32	○ PC09SQ.UA3	○ PC12SQ.UA3			○ PC18SQ.UL2		○ PC24SQ.U24		
	Standard 2	R32	○ S09ET.UA3	○ S12ET.UA3			○ S18ET.UL2		○ S24ET.U24		
	Standard	R32	○ S09EQ.UA3	○ S12EQ.UA3			○ S18EQ.UL2		○ S24EQ.U24		
	Standard 3	R32	○ S09ES.UA3	○ S12ES.UA3							

WALL MOUNTED

ARTCOOL I Prestige I DUALCOOL with Air Purification I Deluxe I Standard Plus I Standard

ARTCOOL SERIES

ARTCOOL Gallery
DUAL Inverter

The design of LG air conditioners is fashionably elegant in such a way that it reigns supreme compared to others. Customise your space.

ARTCOOL Silver
DUAL Inverter

-

ARTCOOL Mirror
DUAL Inverter

In addition to modern lines and classic style, LG ARTCOOL offers the most outstanding air conditioning solution in a complete and attractive package.

DUALCOOL SERIES

PRESTIGE
DUAL Inverter

LG Prestige offers one of the most comprehensive air conditioning solutions by providing supreme energy efficiency and a tranquil environment.

DUALCOOL WITH AIR PURIFICATION

Enjoy a comfortable home throughout all four seasons with cooling, heating and air purification.

DELUXE
DUAL Inverter

LG Deluxe's minimalist design combines with advanced technology to go above and beyond the essential elements of an air conditioner.

STANDARD PLUS
DUAL Inverter

The LG Standard Plus boasts compact size, powerful cooling performance and convenient, sleek design.

STANDARD
DUAL Inverter

LG Standard features all the sophistication of a modern residential air conditioner integrated with LG's advanced technology.

FEATURE OVERVIEW

FEATURE OVERVIEW

INVERTER COMPRESSOR 10 YEAR WARRANTY

			Cooling / Heating	CORE TECH	SMART			ENERGY EFFICIENCY	
				Dual Inverter Compressor	Voic Control	Embedded Wi-Fi	Smart Diagnosis	Active Energy Control	Energy Display
ARTCOOL	Gallery	NEW	9k 12k	●	●	●			
	Mirror		9k 12k 18k 24k	●	●	●	●	●	●
			Only for Multi 7K[4]	●	●	●			
	Silver		9k 12k 18k	●	●	●	●	●	●
	Prestige	NEW	9k 12k	●	●	●	●	●	●
	Air Purification	NEW	9k 12k	●	●	●	●	●	●
DUALCOOL	Deluxe		9k 12k 18k 24k	●	●	●	●	●	●
			Only for Multi 7K[4]	●	●	●			
	Deluxe 2	NEW	9k 12k	●	●	●	●	●	●
			Only for Multi 7K[4]	●	●	●			
	Standard Plus		9k 12k 18k 24k	●	●	●	●	●	●
			Only for Multi 5k 7K 15K[4]	●	●	●			
	Standard 2	NEW	9k 12k 18k 24k	●	●	●	●	●	●
			Only for Multi 7K[4]	●	●	●			
	Standard		9k 12k 18k 24k	●			●	●	●
	Standard 3	NEW	9k 12k	●			●	●	●

	COMFORT			HEALTHCARE		DURABILITY	FAST COOLING & HEATING				MULTI
	Comfort Air (Indirect Cooling/ Heating)	Low Noise 19dB	Silent Mode 3dB	Ultra Dust Sensing (PM 1.0)	Plasmaster Ionizer PLUS	Gold Fin™	Auto Cleaning	Jet Cool	4 Way Swing	Fast Heating	Compatible
Gallery						●	●	●	● 3 way	●	
Mirror	●	●	●		●	●	●	●	●	●	●
	●	●	●		●	Black Fin	●	●	●	●	
Silver	●	●	●		●	●	●	●	●	●	●
Prestige	●	●	●		●	●	●	●	●	●	
Air Purification	●		●	●		●	●	●	●	●	●
Deluxe	●	●	●		●	●	●	●	●	●	●
	●	●	●		●	Black Fin	●	●	●	●	
Deluxe 2	●	●	●		●	●	●	●	●	●	●
	●	●	●		●	Black Fin	●	●	●	●	
Standard Plus	●	●	●			●	●	●	●	●	●
	●	●	●			Black Fin	●	●	●	●	
Standard 2	●	●	●			●	●	●	●	●	●
	●	●	●			Black Fin	●	●	●	●	
Standard	●	●	●			●	●	●	● (18/24k Only)	●	
Standard 3	●	●	●			●	●	●		●	

Feature may vary for each model.
1. When connected to Multi Outdoor unit, Silent Mode 3dB is working by simply setting the dip switch on the PCB of the outdoor unit.
2. When combines with 40kBtu, Cooling A+, Heating A
3. Wi-Fi Ready : can be connected by using Wi-Fi controller (PWFMDD200)
4. Please refer to the specifications of Multi outdoor units.

UNIQUE FEATURES

Smart

Enjoy anytime, anywhere access to your air conditioner with LG's ThinQ technology.

Energy Efficiency

LG's revolutionary inverter technology provides world-class energy efficiency by minimising energy consumption.

Perfect healthcare

The PM 1.0 auto sensor combined with advanced filtration technologies protect users from harmful substances such as micro-dust, viruses, allergens, and odors.

Fast Cooling & Heating

Regardless of the outdoor temperature, LG air conditioners distribute cold or hot air fast, reaching every corner of even your largest rooms with powerful cooling or heating.

Extreme Durability

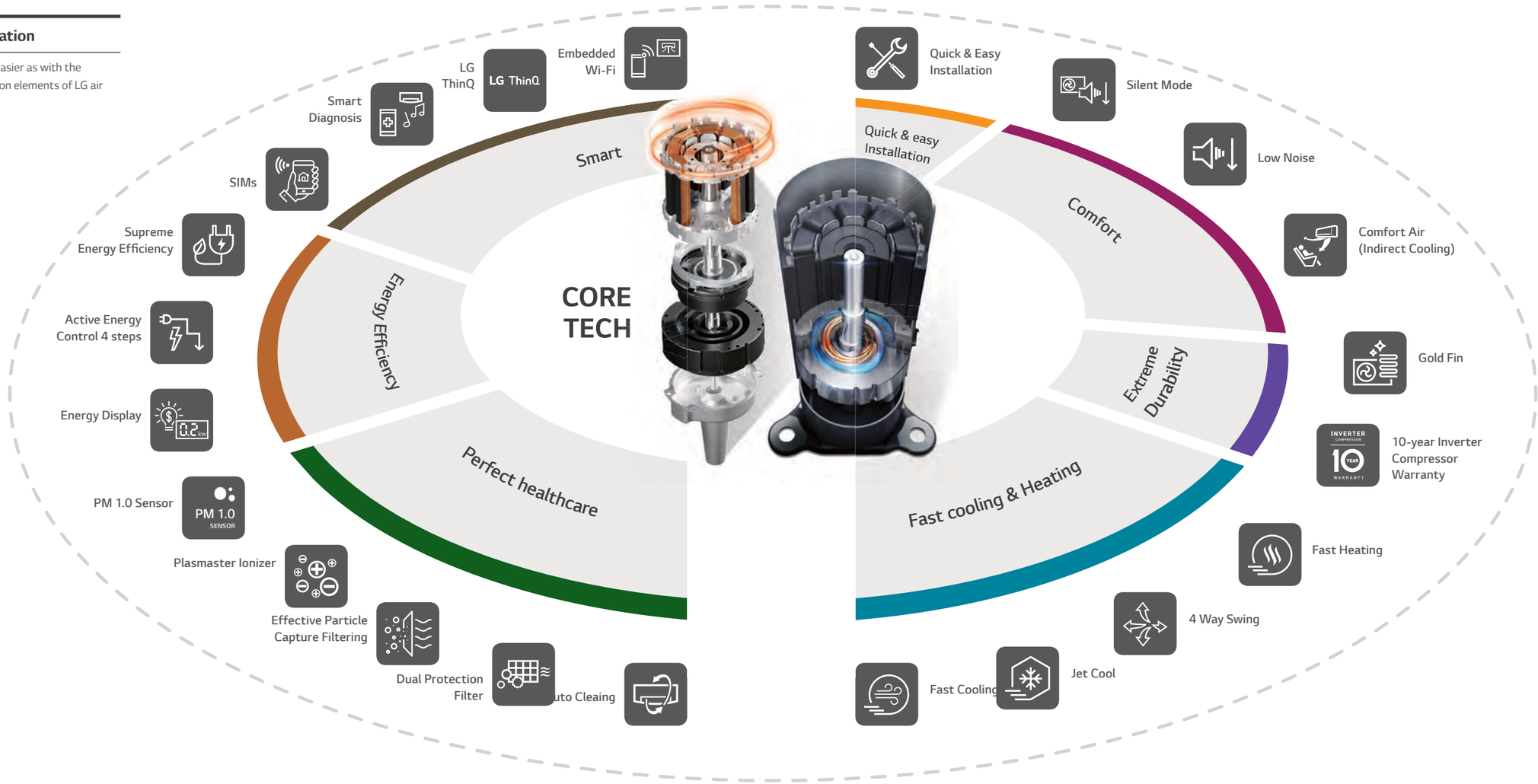
In any environmental conditions, LG's air conditioners can bring customers peace of mind through product durability.

Comfort

LG air conditioners provide a comfortable indoor environment with low noise levels and optimized vane adjustment capability that ensures even air flow.

Quick & Easy Installation

Installation has never been easier as with the delicately designed installation elements of LG air conditioners



CORE TECH

Dual Inverter Compressor

• What is the Dual Inverter Compressor?

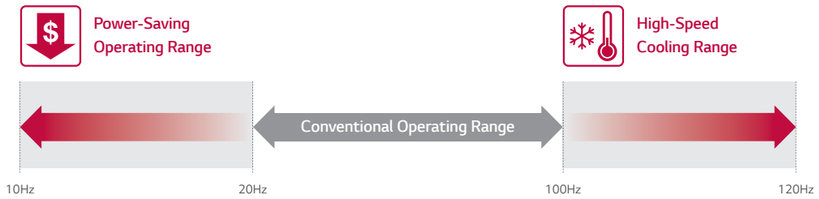
A compressor is the heart of an air conditioner, and monitoring whether it works properly, effectively, or noisily that can cause stress as well as cost more money. LG's Dual Inverter Compressor provides an effective solution, resulting in an air conditioner that cools faster, lasts longer, and operates quieter than conventional models.

• 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
COMPRESSOR



• Product Reliability Improvement

The Dual Inverter 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.

CORE TECH

R32 Refrigerant

- R32 is more environmental friendly compared to former refrigerant

• Pain Point

Due to accelerated global warming and the destruction of the ozone layer, various international conventions and meetings are held to enhance restrictions to the use of refrigerant or enforce the use of eco-conscious refrigerants. In order to reduce environmental destruction, refrigerant R32 is internationally acclaimed for being Eco-friendly. This low volume refrigerant is as efficient as any conventional refrigerant but boasts a 68% reduced global warming potential.

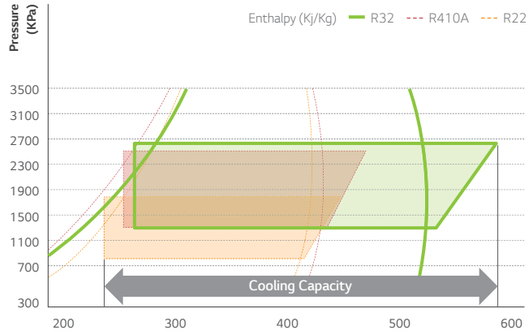
• How it Works

Utilising a small amount of the R32 refrigerant also qualifies it to be a highly green efficient system.

Alleviate Global Warming & Ozone Layer Destruction
R32 efficiently works even in small volume compared to existing R410A refrigerant, which decreases potential hazard of global worming.

High Compressibility
R32's high compressibility rate gives more powerful cooling performance and efficiency compared to existing refrigerant R22 and R410A.

	R410A	R32
Composition	Blend of R32 50% + R125 50%	Pure R32 (No blend)
GWP (Global Warming Potential)	2087.5	675



• Benefit

Eco-conscious refrigerants reduce environmental pollution.

SMART

Embedded Wi-Fi

Control your air conditioners by using Android or iOS based smartphones. This advanced technology provides you many benefits.

• LG ThinQ

Download the LG ThinQ app from Google or Apple app stores.

LG ThinQ

• How it Works

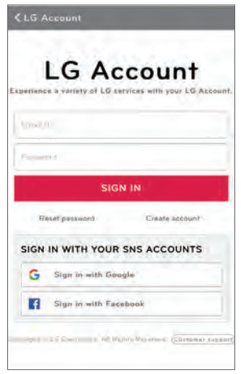
Embedded Wi-Fi modem

Enable "LG ThinQ" on your air conditioner.

By using the embedded Wi-Fi modem, get ready for innovation without boundaries.

Easy Registration and Log-in

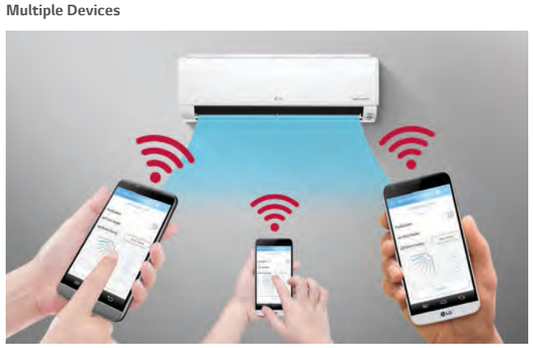
Follow the interactive set-up LG Account steps that will activate smart ThinQ's impressive features.



Wi-Fi Connectivity

Each individual member of your family can customise the air conditioner temperature and fan speed accordingly and then save the settings in their app to run it later. These settings can be saved for each air conditioner too.

Multiple Devices



Multi-Control

* Can be controlled by multiple users, but not simultaneously

SMART

• Benefit

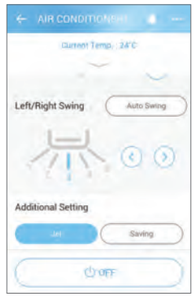
Simple operation for various functions

On/Off, Current Temp

Mode, Set Temp

Vane Control

Straight-forward management



Reservation

Energy Monitoring

Smart Diagnosis

Filter Management

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

Smart Diagnosis

Smart Diagnosis allows you to check setup, installation, troubleshooting and other information conveniently from your smartphone.

* Specifications may vary for each model.
* When connected to Multi ODU, Smart Diagnosis function may not be supported.

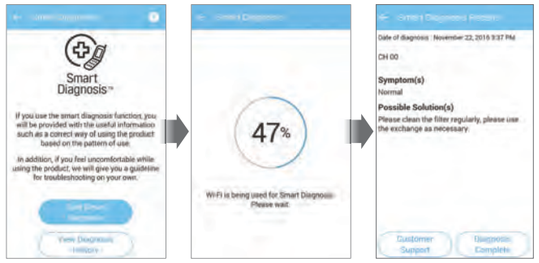
What is Smart Diagnosis?

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

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



* When the model doesn’t provide embedded Wi-Fi, diagnose by buzzer sound with the same app and remote controller.

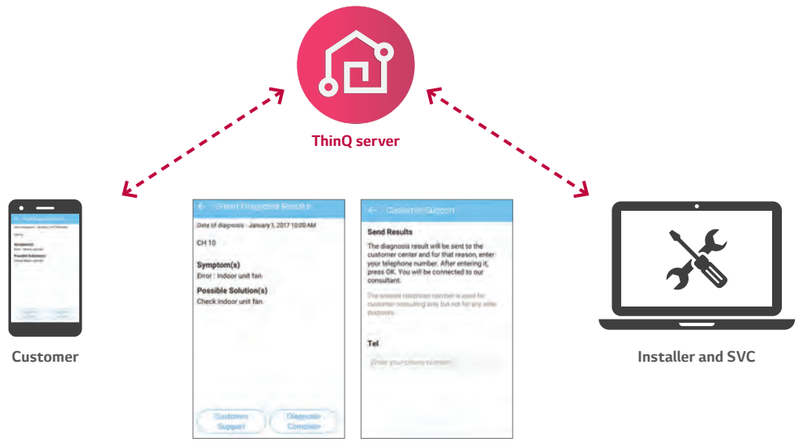
SMART

• Benefit

Easily comprehensible error messages make detecting a solution and contacting the service center simple and convenient

For consumer

For Installer and SVC



- Easily check operational status of a product without a display or one that provides limited information
- Save energy by monitoring key operational information and power consumption
- Using the Maintenance Guide helps to improve device performance and increase product life-span.

- Understand the product better by easily confirming operational status and information
- Intuitively diagnose problems by comparing current and past usage data
- Maintain installation capabilities and reduce installation errors by quickly confirming device operational status

SMART

SIMs

By connecting SIMs chip, you can check the status of your air conditioner and diagnose problems from your smartphone.

* Specifications may vary for each model.
* When connected to Multi ODU, SIMs function may not be supported.

• What is the LG SIMs?

Monitor the status of your air conditioner and accurately diagnose problems by connecting it to a smartphone via a SIMs chip.

* SIMs : Smart Inverter Monitoring System

• How It Works

LG SIMs

SIMS App

1. Use a SIMs chip to connect a smartphone to an air conditioner.
2. Monitor and diagnose problems in real time using the SIMs app.

• Benefit

Easy Monitoring

Diagnose problems anytime, anywhere with a SIMs chip.

Easy Diagnosis & Quick Response

Easily monitor IDU/ODU and diagnose problems.
Save and review diagnostic data.

Main
Current outdoor temperature
Indoor temperature
Inverter Comp frequency
Operating opening
Error code / Frequency limits Indoor.
Outdoor fan speed

Outdoor Unit
Frequency / Fan RPM
DC Link / Input Current
Input Voltage
EEV operation mode
Restart timer
Compressor mode / EEV opening

Indoor Unit
Indoor Unit Capacity / Operation Mode
THM mode / REM mode
FAN operating condition / EEV opening
Room Temperature / Suction Temperature
Intermediate Temperature
Exit Temperature

Chart
Room Temperature
Heat exchanger pipe temperature
Compressor discharge temperature
Frequency / Outdoor temperature
Compressor suction temperature
Electric current / Voltage

Certificate

US Radio Standard | Canada Radio Standard | Australia Radio Standard | Europe Radio Standard

* Smartphone Requirements (iOS : 6.1 or later, Android : 2.3 or later)

SMART

Low Refrigerant Detection

Early notification of low refrigerant protects your air conditioner from a risk of damage.

* Specifications may vary for each model.
* Depending on the experimental conditions.
* When connected to Multi ODU, Low Refrigerant Detection function may not be supported.

• How It Works

Early Detection of Low Refrigerant Levels

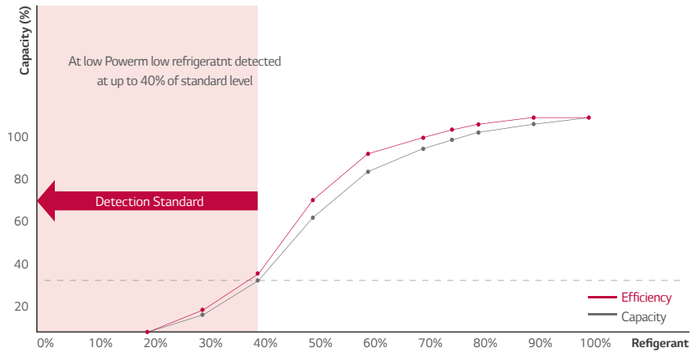
The Air Conditioner is automatically shut down when low refrigerant level is detected.

3 Checkpoints for Low Refrigerant Level :

1) The heat exchanger temperature is comparatively cool
2) The outdoor unit is working properly
3) The energy consumption is working under a standard pattern

If any of the above conditions are not met, for a maximum of 4 times, after 15 minutes of Air Conditioner operation, a Low Refrigerant level is detected and the Air Conditioner is shut down.

Capacity and Effectiveness of the Refrigerant Levels



* This function only works under the following conditions:
- Indoor/Outdoor temperature is up to 20 degrees Celsius
- Cooling and dehumidification mode

• Benefit

Longer Lifespan for Air Conditioner

Notify You of Low Refrigerant Levels

When Low Refrigerant Level is detected, it alternately shows CH and 36 on the display.

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

ENERGY EFFICIENCY

Supreme Energy Efficiency

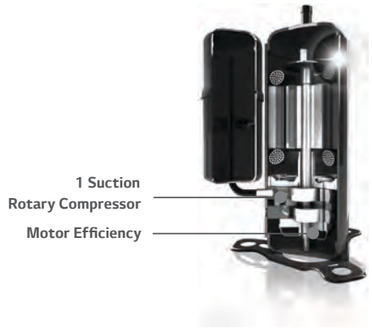
LG's revolutionary Inverter technology boasts powerful yet quiet performance while minimising energy consumption. With world-class energy efficiency, enjoy comfort as well as energy savings.

* Based on H09AL Model
* Specifications may vary for each model.

• High Efficient Compressor and Reversing Valve

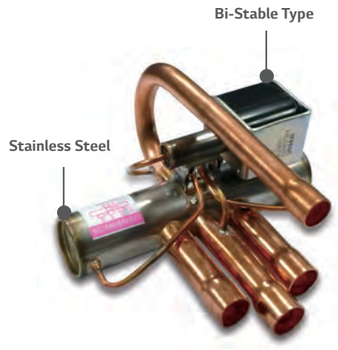
Rotary Compressor and Motor Efficiency

The number of suction connections has been reduced from two to one to increase the efficiency of the refrigerant compression during low speed conditions. The DC motor in LG air conditioners remains unsurpassable incomparable to in the world's top class efficiencies.



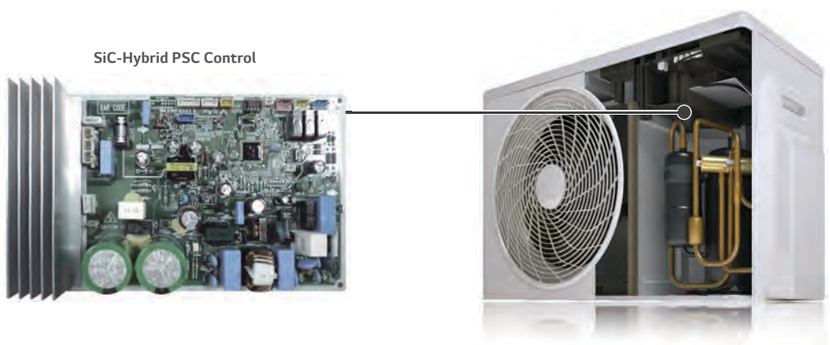
Bi-Stable Reversing Valve

The Input power of 4-way valve has been reduced to 0W by using a Bi-Stable type.



• Improved Inverter Drive Efficiency

Used to optimise the time of current flow by controlling the number of converter switching according to energy consumption status. Displays comparatively higher performance and advanced energy efficiency than conventional Inverter air conditioner by reducing power loss with an advanced material component called SiC.



ENERGY EFFICIENCY

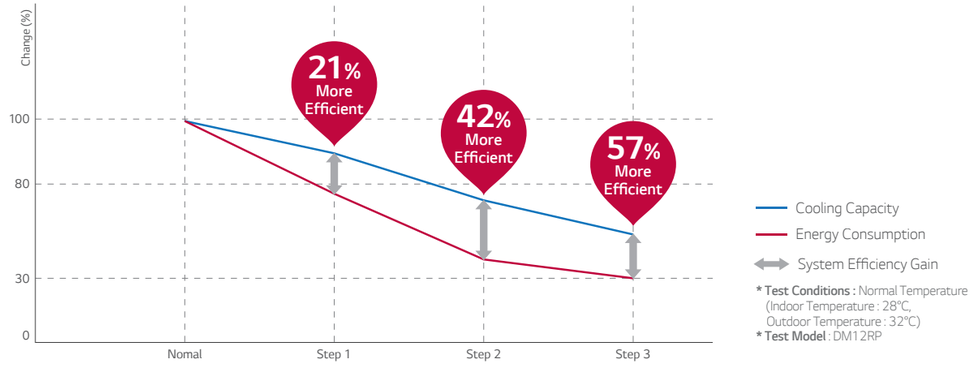
Active Energy Control 4 - Step

LG's Active Energy Control adjusts the energy consumption level and cooling capacity by controlling maximum frequency of the compressor motor.

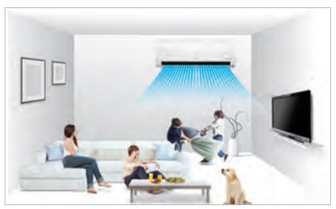
* Specifications may vary for each model.
* Depending on the experimental conditions.
* When connected to Multi ODU, Active Energy Control function may not be supported.

• Concept & Benefit

Cooling a home can come at a high cost particularly during the hot summer months.
Avoid those costs and save energy by taking advantage of LG's 4-Step Energy Control System.

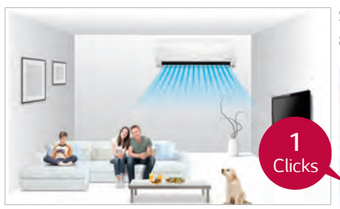


• How It Works



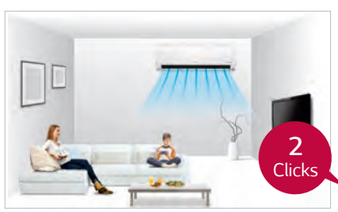
Normal.
100% energy usage

Many people and high-activity level



Step 1.
80% energy usage

Few people and moderate-activity levels.



Step 2.
60% energy usage

Fewer people and low-activity levels.

Step 3.
40% energy usage

Fewest people with no activity.

ENERGY EFFICIENCY

Energy Display

LG's Energy Display panel monitors the amount of energy levels used. Reduce energy consumption while enjoying a comfortable indoor environment by checking your energy level directly on the AC panel.

* Specifications may vary for each model.
* When connected to Multi ODU, Energy Display function may not be supported.

• How it Works

Magic Display & Remote Control

With the push of a button on the remote control, indoor unit's LCD display shows the current and total energy use, thus making the users aware of reducing energy consumption.

• Benefit

Nomal Mode

Current Setting Temp

Electric Power

Displays Current Energy Use

PERFECT HEALTHCARE

Plasmaster™ Ionizer+PLUS

The powerful Plasmaster Ionizer protects you from bad odors and Escherichia coli and Staphylococcus in the surface with over 3 million ions to sterilize to make a safer, and cleaner environment.

* Specifications may vary for each model.
* Depending on the experimental conditions.

• How It Works

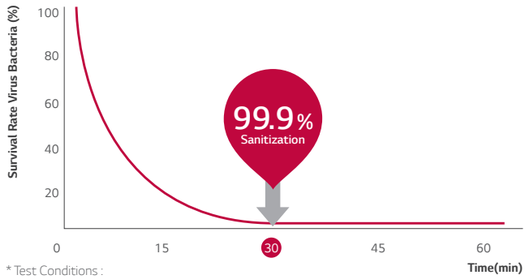
Sterilization and Deodorization (Utilizes Over 3 Million Ions)

Plasmaster Ionizer+ reduces E.coli and Staphylococcus in the surface with over 3 million ions.

• Test Result

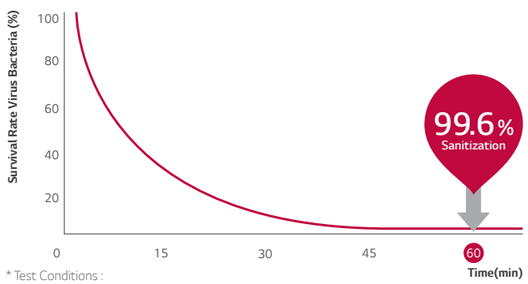
Sterilization Performance Evaluations

Sterilize Bacteria E.coli over 99.9% in 30 min.



* Test Conditions :
  Space : 52m³ Chamber (measuring with the specimen in the center of test chamber)
  Temperature & Humidity : Normal
  Bacteria : E coil colon bacillus
  Tested by Intertek

Sterilize staphylococcus over 99.6% in 60 min.



* Test Conditions :
  Space : 52m³ Chamber (measuring with the specimen in the center of test chamber)
  Temperature & Humidity : Normal
  Bacteria : Staphylococus Aureus
  Tested by Intertek

2.1 odor strength decrease in 60 minutes

An odor of measured as 2 European odor units (ouE/m³) or less indicates that the level of odor falls within permissible limits.

Odor Strength	1	2	3	4
Offensive odor substance sensitivity	Mountain smell	Indoor life smell	Bathroom smell	Food waste smell
Odor strength level	Light	Moderate	Strong	Very Strong

Odor strength reduce 3.6 ➡ 1.5 / The Odor floating in the room as well as curtain and clothes.

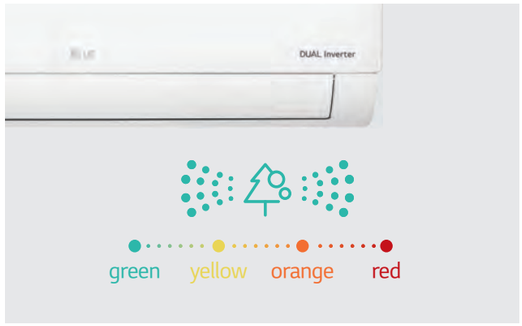
* Test conditions :
  Space : 8m³ Chamber
  Temperature & Humidify : Normal
  Tested by Intertek

PERFECT HEALTHCARE

PM 1.0 Auto Senser

As AC turns on, PM 1.0 sensor automatically operates to capture and remove microscopic dust particles including ultra fine dust.

* Specifications may vary for each model.
* Depending on the experimental conditions.



- AQI(Air Quality Index) is displayed in unit of 1 within 8~999 μg/m³.
- AQI(Air Quality Index) may continuously change according to changes in the indoor environment.
- Overall cleanliness color is displayed based on the highest contamination level among fine dust(PM10), ultra fine dust(PM2.5), and super ultrafine dust (PM1.0).
- Overall cleanliness color is displayed in 4 levels according to the indoor contamination level.
- If dust concentration is high, the difference between the displayed dust concentration and the actual dust concentration may increase.

• During the operation, if you press PM SENSOR button, you can check the indoor cleanliness in each level.

① **Overall cleanliness color display**
② **Dust size dust concentration display**

Color	Level	Display standard (μg/m³)		
		Super ultra fine dust (PM 1.0)	Ultra fine dust (PM 2.5)	Fine dust (PM 10)
Green	Good	12 or less	12 or less	54 or less
Yellow	Normal	13 - 35	13 - 35	55 - 154
Orange	Bad	36 - 55	36 - 55	155 - 254
Red	Very Bad	56 or more	56 or more	255 or more

Guide to dust particles' size

- Fine dust : Dust with particle size of 10μm or less (Generated from workplace combustion, vehicle exhaust, etc.)
- Ultra fine dust : Dust with particle size of 2.5μm or less (Composed of ion component, carbon compound, and metal compound)
- Super Ultrafine dust* : Dust with particle size of 1.0μm or less (Cigarette smoke, etc.)

AQI(Air Quality Index) evaluation is carried out with LG standard test dust.

* Minimum capturing size of particle : 0.02μm
※ PM : Particulate matter is the sum of all solid and liquid particles suspended in air many of which are hazardous.
This complex mixture includes both organic and inorganic particles, such as dust, pollen, soot, smoke, and liquid droplets.

PERFECT HEALTHCARE

Dual Protection Filter

The Dual Protection Filter collects dust.

* Specifications may vary for each model.
* Depending on the experimental conditions.

• What is the Dual Protection Filter?

The Dual Protection Filter, designed to capture dust particles over 10㎛ in size, first line of defense against finer particles.

• Additional Benefit

Easy to Open

Easily detachable full surface cover helps clean the air conditioner flawlessly.

Easy to Clean

The filter is designed for easy handling and quick cleaning, which lengthens its lifespan.

PERFECT HEALTHCARE

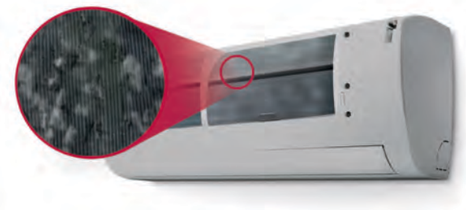
Auto Cleaning

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

* Specifications may vary for each model.

• Pain Point

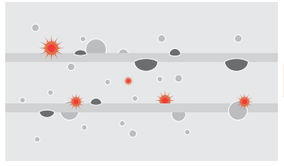
The main cause of odor within air conditioners is mold and bacteria growing on the heat exchanger. These germs can spread when the heat exchanger is wet.



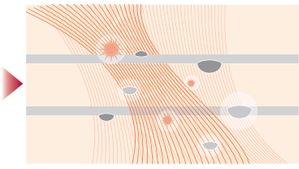
• How It Works

Cleans Filter with Regular Air Flow

The comprehensive auto cleaning function prevents the formation of bacteria and mold on the heat exchanger, providing an enhancing environment.



By dehumidifying, (some models are by dehumifiying and ionizing), the auto cleaning function prevents potentially harmful substances from forming on the surface of the heat exchanger.



The indoor environment remains odorless with the advanced deodorizing function.

By preventing polluting of the heat exchanger caused by various germs and bacteria, the performance and life span of the air conditioner do not wither away even after a period of 10 years.

• Benefit

Removes Harmful Particles

Auto Cleaning provides clean air by preventing bacteria, mold and odors that can otherwise accumulate in an indoor unit.

FAST COOLING & HEATING

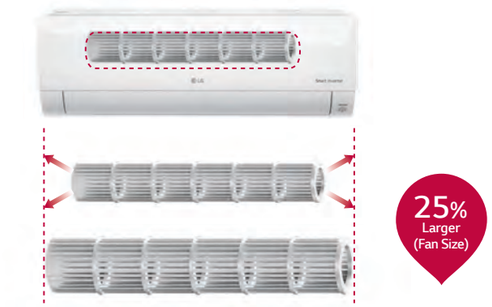
Fast Cooling

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

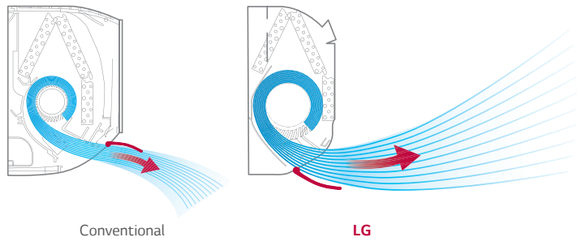
* Specifications may vary for each model.
* Depending on the experimental conditions.

• How It Works

Bigger Skew Fan
A 25% larger skew fan emanates highly powerful blasts of air.

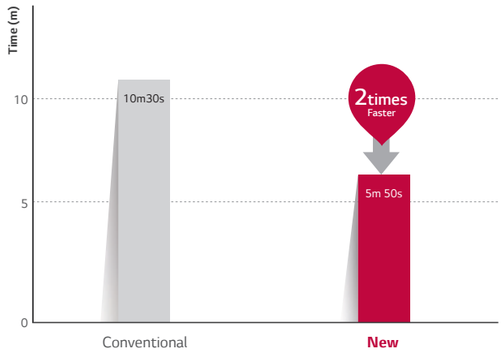


Cooling Outlet
A larger, optimally designed cooling outlet emanates to large areas and cools spaces faster.



• Test Result

Test Result



* Test Conditions :
: Indoor temperature 33°C, Outdoor temperature 35°C,
Relative humidity 60%, Setting temperature 24°C

Changes in Temperature Over 30 Minutes

Conventional	10min	20min	30min
0.1m			

New	10min	20min	30min
0.1m			

* Test Conditions :
Outdoor temperature : 35°C, Indoor temperature : 33°C,
Humidity : 60%, Remote control : 24°C High

FAST COOLING & HEATING

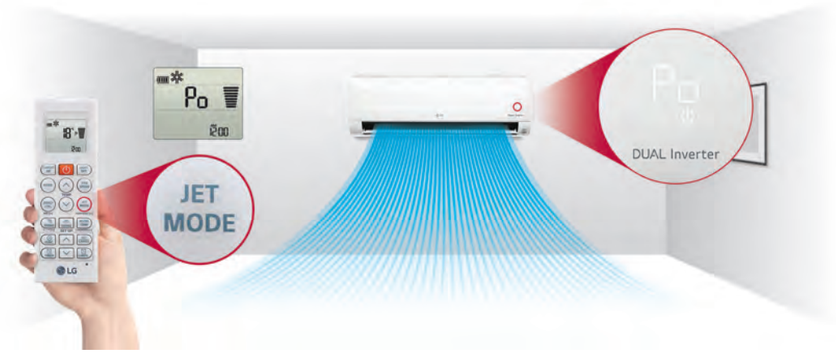
Jet Cool

LG air conditioners provide optimized high-speed airflow, which can cool rooms faster while delivering cool air evenly in every direction.

* Specifications may vary for each model.
* Depending on the experimental conditions.

• How It Works

One Click "Jet Mode"
Reduces the temperature of outflowing air to 18°C for 30 minutes with just one click.



• More Powerful Performance

By reducing the second vortex, which decreases airflow within the air outlet, and enlarging the fan size, the amount of airflow is increased to 13.0 CMM.

FAST COOLING & HEATING

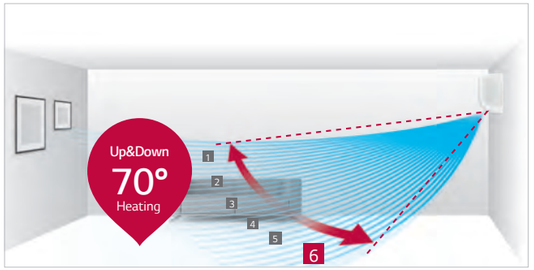
4-Way Swing

Cool air reaches out to the entire room regardless of where the air conditioner is installed

* Specifications may vary for each model.

• How It Works

6-Step Vane, Control up to 70°
The vertical vane, which moves up and down, has 6 different settings including full-auto swing.



5-Step Louver, Control up to 55°
The louver, which sways left and right, has 5 different settings including full auto-swing.

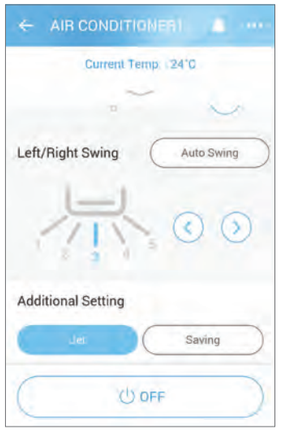
* Angle can be different from each model and working mode.

• Easy and Simple Control

Airflow direction can be changed by LG ThinQ Wi-Fi app.

Up/Down Swing

Left/Right Swing



FAST COOLING & HEATING

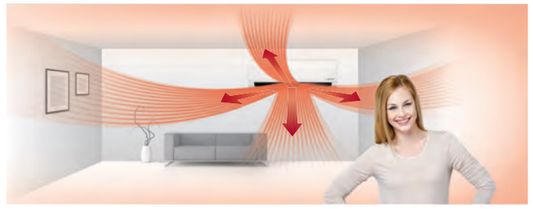
Fast Heating

LG Residential Air Conditioners satisfy your heating needs while consuming less energy, by heating a wider space in a shorter period of time to create a warm and comfortable living environment.

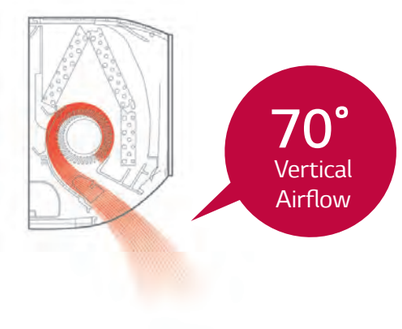
* Specifications may vary for each model.
* Depending on the experimental conditions.

• How It Works

4 way Auto Swing (Easy Airflow Control)
4 Way Auto Swing adjusts airflow based on the surrounding environment, allowing for optimal distribution of warm air to living areas and enabling quick heating.

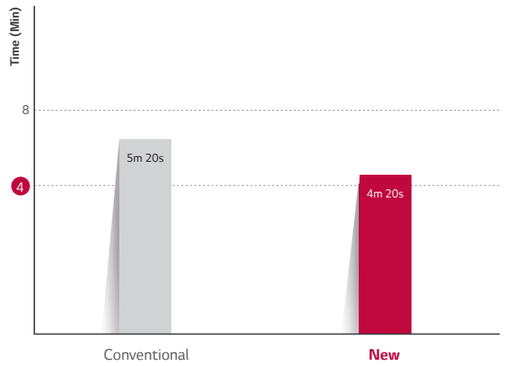


Vertical Airflow
When heating, the vane sends heated air downwards to maintain a pleasant and balanced room temperature.



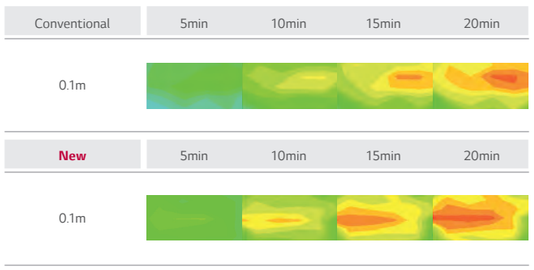
• Benefit & Test Result

22% Quick Heating



* 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

EXTREME DURABILITY

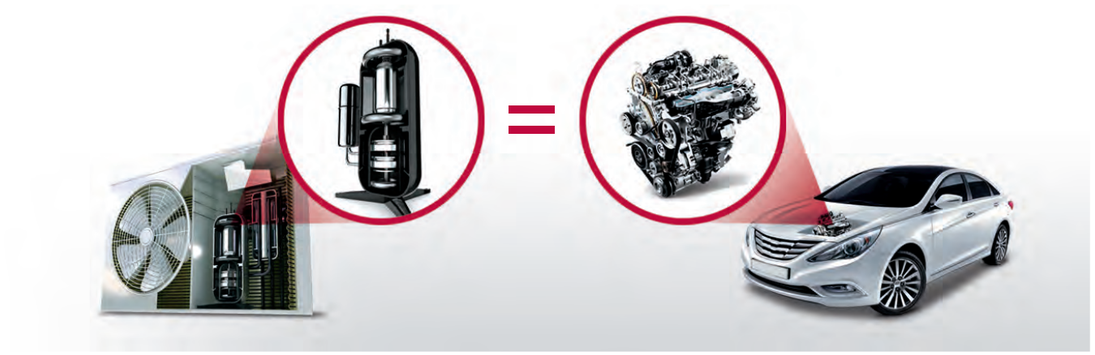
10-Year Inverter Compressor Warranty

With confidence in product quality and a desire to enhance the lives of customers, LG provides a 10-year warranty on the Residential Air Conditioners' Inverter Compressor.

* Specifications may vary for each model.

• What is the 10 Year Warranty?

With the 10-year warranty on the compressor, users can be assured of the functionality of our product for a longer period of time.



• Benefit & Verification

Reliable Air Conditioner

Product safety is emphasized by offering a 10-year warranty on the compressor to reassure customers about product durability.

Verification

TUV Rheinland, Long Term Accelerated-reliability Test & High Marginal Test

* Long Term Accelerated-Reliability test
  LG's unique testing method with reinforced operating condition for a product life assurance to test and determine the product life cycle in a short period of time by accelerating the life cycle.
* High Marginal Test
  Test method to secure durability in various adverse conditions that may occur in the field by performing comp reliability test against higher pressure and temperature than the designed range of pressure and temperature which the comp operates in.
* Verification obtained from TUV Rheinland for 10-year product life cycle

Single Rotary Type | Twin Rotary Type

EXTREME DURABILITY

Gold Fin™

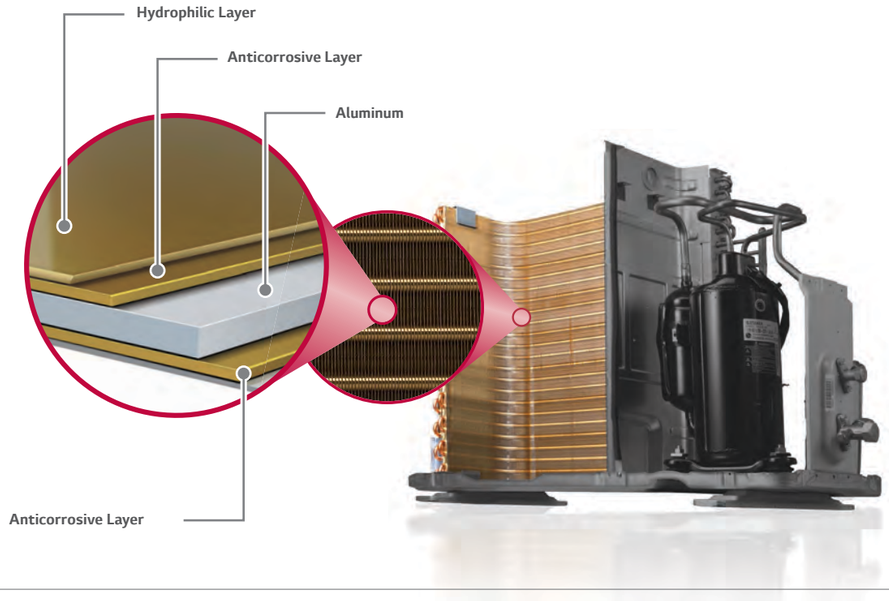
The Gold Fin™ coating protects the surface of the heat exchanger from unnecessary wear and corrosion.

* Specifications may vary for each model.
* Depending on the experimental conditions.

• 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.



• Test Result

Conventional Fin

Gold Fin™

* Test result 360 hrs. after being exposed to sodium chloride

COMFORT

Comfort Air (Indirect Cooling)

LG provides pure hygienic and temperature regulated atmosphere surrounding your living space. An automatic vane angle adjustment sets perfect vane angle and air volume.

* Specifications may vary for each model.

• Concept

Comfort Air changes the air flow angle to ensure that air is directed away from occupants to promote more comfortable environments optimized for sleeping and more.

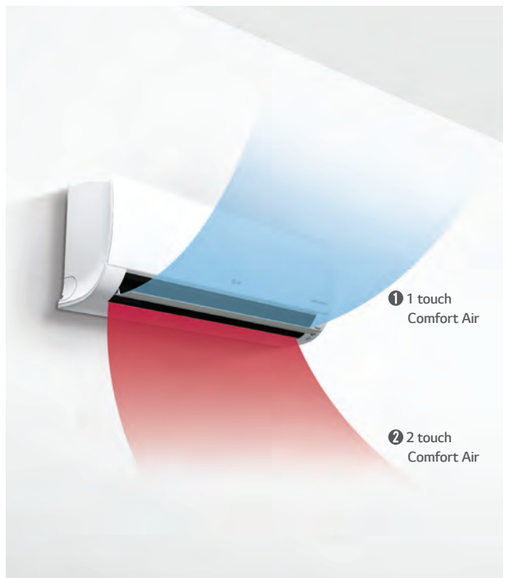
• How It Works

Control Panel

Remote Control

Comfort Vane

This option conveniently sets an AC's louvers to a preset position so that outflowing air is directed away from a room's occupants.



Scene 1: Inclines to a maximum 80° angle.

Sets vane angle to highest position : Optimized for gentle airflow cooling.

Indoor Unit Display

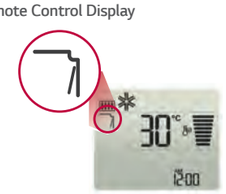
Remote Controller Display

Scene 2: Declines to a maximum 10° angle.

Sets vane angle to lowest position : Optimized for gentle airflow heating.

Indoor Unit Display

Remote Control Display



COMFORT

Low Noise

LG Air Conditioners operate at 19dB low noise level, moreover provide healthy soft air by just 1 touch.

* Specifications may vary for each model.

• 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.

Conventional — **Skew Fan**

15% Tilted Stabilizer

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.

AC Motor — **BLDC Motor**

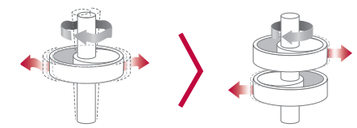
- Low Efficiency.
- Heat Problem during overhauling.
- Difficult precise speed control.

- Low Electric and mechanical noise.
- Precise speed control durable.

Advanced Motor

ALVC (Active Low Vibration Control)

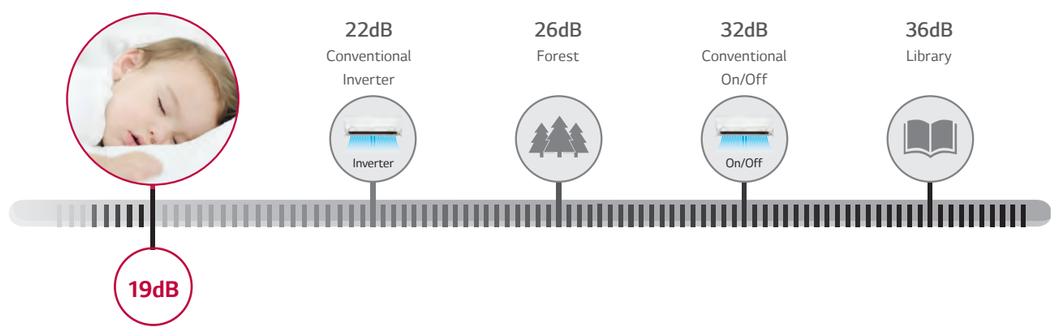
A speed-error component estimates the load to compensate for imbalances, which are the primary causes of vibration and noise, enabling the rotation of the motor without vibration at low Hz levels.



Single Rotary — **Inverter**

40% Cut Torque Variation

• Benefit



COMFORT

Silent Mode

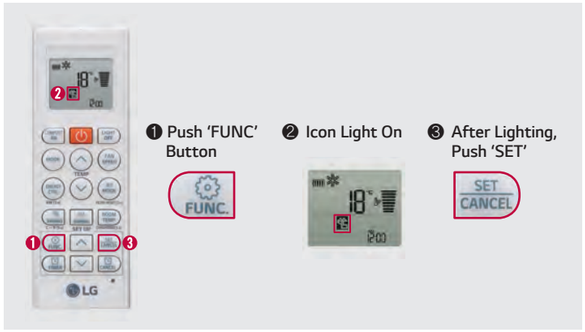
Silent mode ensures a tranquil and serene experience for the user by reducing noise disturbances while you are resting.

* Specifications may vary for each model.
* Depending on the experimental conditions.
* When connected to Multi Outdoor unit, Silent Mode is working by simply setting the dip switch on the PCB of the outdoor unit.

• How It Works

In Silent Mode, the overall sound level of the outdoor unit drops by up to 3dB and the sound level of the indoor unit also decreases.

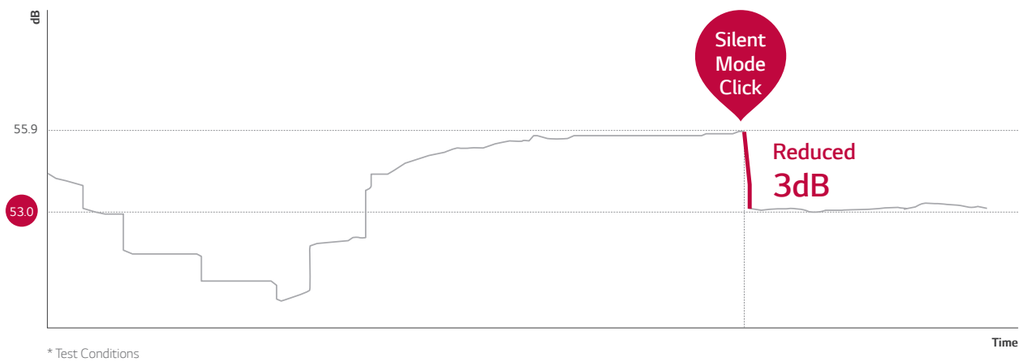
Press the Silent Button



Controls the Outdoor Compressor

• Test Result

Noise Comparison Graph



* Test Conditions
  Spec : Selecting Silent Mode reduces the noise of an outdoor fan unit by 3dB
  Assessment : 36.2 dB emitted from center/side of unit at a distance of 1m.

COMFORT

Quick & Easy Installation

LG air conditioner is designed for an easy and efficient installation, making possible to install several units in a short period of time

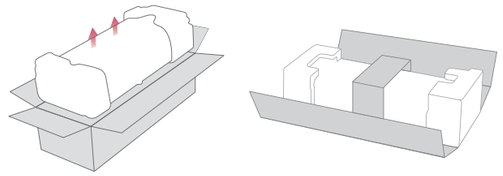
* Specifications may vary for each model.

• Concept

By reducing the manpower and time required for installation, it is now possible to install more units in less time.

• How It Works

One Simple Packing Box

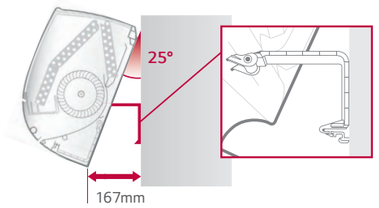


Installation Plate Improvement

LG's installation plate is larger and customized to reduce installation time.

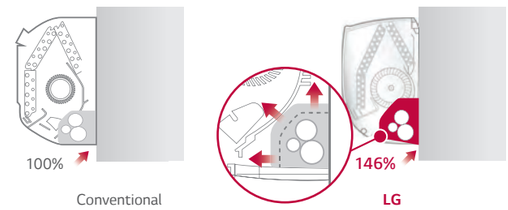
Installation Support Clip

A support clip creates adequate space between the wall and the unit for easier installation.



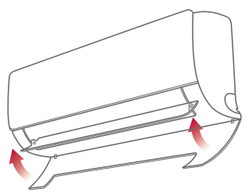
Wider Tubing Space

The space provided for tubing facilitates the whole installation process and hides the unorganized parts, making it appear clean and tidy.



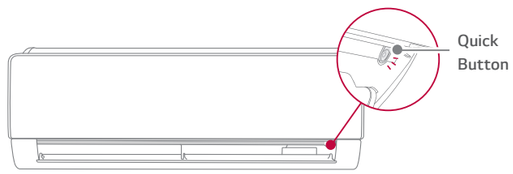
Detachable Bottom Cover

The air conditioner's bottom cover is detachable for easier installation and access.



Quick button for running test

The test button is conveniently located and easy to find.



ARTCOOL GALLERY

NEW

Dual Inverter COMPRESSOR

EUROVENT CERTIFIED PERFORMANCE

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

Embedded Wi-Fi · Auto Cleaning · Jet Cool · 3 Way Swing · Fast Heating · Gold Fin™

• Single Combination

UNIT				9K	12K
INDOOR				A09FT NSF	A12FT NSF
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4040
	Heating	Min / Rated / Max	W	890 / 3300 / 4100	890 / 4000 / 5100
	Heating -7°C	Rated	W	3200	3500
Power Input	Cooling	Rated	W	658	1050
	Heating	Rated	W	831	1108
EER			W / W	3.8	3.33
S.E.E.R.				6.8	6.6
P design C			kW	2.5	3.5
COP			W / W	3.97	3.61
S.C.O.P. (Average / Warmer)				4.0 / 4.6	4.0 / 4.6
P design H (Average / Warmer)			kW	2.7 / 1.5	2.7 / 1.5
Energy Label	Cooling			A++	A++
(A+++ to D Scale)	Heating (Average / Warmer)			A+ / A++	A+ / A++
Annual Energy	Cooling		kWh	129	186
Consumption	Heating (Average / Warmer)		kWh	945 / 457	945 / 457
Sound Pressure	Cooling	S / L / M / H	dBA	27 / 35 / 39 / 45	27 / 35 / 39 / 45
	Heating	L / M / H	dBA	35 / 39 / 45	35 / 39 / 45
Sound Power	Cooling	Power	dBA	60	60
Air Flow Rate	Cooling	S / L / M / H	m^3 / min	- / 6.0 / 7.6 / 9.0	- / 6.0 / 7.6 / 9.0
		Max (Power)	m^3 / min	10.0	10.0
	Heating	L / M / H	m^3 / min	6.1 / 7.8 / 9.3	6.1 / 7.8 / 9.3
Dehumidification Rate			l/h	1.1	1.3
Running Current	Cooling	Rated	A	3.2	4.9
		Max	A	6.0	6.0
	Heating	Rated	A	4.1	5.1
		Max	A	7.0	7.0
Starting Current	Cooling / Heating	Rated	A	3.2 / 4.1	4.9 / 5.1
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15
Power Supply Cable			N x mm^2	3 x 1.0	3 x 1.0
Power & Transmission Cable			N x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	600 x 600 x 146	600 x 600 x 146
Net Weight			kg	14.4	14.4
Fan Motor Output			W	16.7	16.7
OUTDOOR				A09FT UL2	A12FT UL2
Operation Range	Cooling	Min / Max	°CDB	-10 / 48	-10 / 48
	Heating	Min / Max	°CDB	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	51	51
	Heating	High	dBA	51	51
Sound Power	Cooling	High	dBA	65	65
Air Flow Rate		High	m^3 / min	35	35
Piping	Length (Odu / Idu)	Min / Max	m	3 / 20	3 / 20
	Elevation (Odu / Idu)	Max	m	10	10
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (27/32)	21.5 (27/32)
Refrigerant	Type			R32	R32
	Charge at 7.5m		kg	0.800	0.800
			t-CO_2 eq	0.540	0.540
	Additional charge		g/m	20	20
	GWP			675	675
Fan Motor Output			W	43	43
Compressor Type				Twin Rotary	Twin Rotary
Net Weight			kg	34.4	34.4
Dimension			mm	770 x 545 x 288	770 x 545 x 288

* This product contains Fluorinated greenhouse gases (R32).
** S : Sleep / L : Low / M : Medium / H : High
*** GWP : Global warming potential
**** t-CO_2eq : F-gas(kg)*GWP/1000
***** Specification, design and feature are subject to change without prior notice.

ARTCOOL MIRROR

Dual Inverter COMPRESSOR

EUROVENT CERTIFIED PERFORMANCE

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

Embedded Wi-Fi · Smart Diagnosis · Active Energy Control · Energy Display · Plasmaster Ionizer++ · Plasmaster Auto Cleaning

Jet Cool · 4 Way Swing · Fast Heating · Gold Fin™ · Comfort Air · Low Noise 19dB (9k, 12k) · Silence Mode · Quick & Easy Installation

• Single Combination

UNIT				9K	12K	18K	24K
INDOOR				AC09BQ NSJ	AC12BQ NSJ	AC18BQ NSK	AC24BQ NSK
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4040	900 / 5000 / 5500	900 / 6600 / 7420
	Heating	Min / Rated / Max	W	890 / 3300 / 4100	890 / 4000 / 5100	900 / 5800 / 6400	900 / 7500 / 8640
	Heating -7°C	Rated	W	2600	3000	4200	6000
Power Input	Cooling	Rated	W	656	1080	1562	2164
	Heating	Rated	W	800	1050	1611	2238
EER			W / W	3.81	3.24	3.20	3.05
S.E.E.R.				7.0	6.6	7.0	6.9
P design C			kW	2.5	3.5	5.0	6.6
COP			W / W	4.13	3.81	3.60	3.35
S.C.O.P. (Average / Warmer)				4.0 / 4.9	4.0 / 4.9	4.3 / 5.3	4.3 / 5.3
P design H (Average / Warmer)			kW	2.5 / 1.3	2.5 / 1.3	3.9 / 2.1	5.0 / 2.7
Energy Label	Cooling			A++	A++	A++	A++
(A+++ to D Scale)	Heating (Average / Warmer)			A+ / A++	A+ / A++	A+ / A+++	A+ / A+++
Annual Energy	Cooling		kWh	125	186	250	335
Consumption	Heating (Average / Warmer)		kWh	875 / 371	875 / 371	1270 / 555	1628 / 713
Sound Pressure	Cooling	S / L / M / H	dBA	19 / 27 / 35 / 41	19 / 27 / 35 / 41	31 / 34 / 39 / 44	31 / 34 / 42 / 47
	Heating	L / M / H	dBA	27 / 35 / 41	27 / 35 / 41	34 / 39 / 44	34 / 42 / 47
Sound Power	Cooling	Power	dBA	59	59	60	65
Air Flow Rate	Cooling	S / L / M / H	m^3 / min	3.0 / 4.2 / 7.5 / 10.0	3.0 / 4.2 / 7.5 / 10.0	8.0 / 10.5 / 13.0 / 14.5	8.0 / 10.5 / 13.1 / 16.1
		Max (Power)	m^3 / min	12.5	12.5	15.5	20.0
	Heating	L / M / H	m^3 / min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0	11.0 / 13.5 / 16.0	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
Running Current	Cooling	Rated	A	3.3	4.7	6.9	9.8
		Max	A	6.0	6.0	9.0	14.0
	Heating	Rated	A	4.0	4.7	7.1	10.4
		Max	A	7.0	7.0	9.5	14.0
Starting Current	Cooling / Heating	Rated	A	3.3 / 4.0	4.7 / 4.7	6.9 / 7.1	9.8 / 10.4
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm^2	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable			N x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	837 x 308 x 192	837 x 308 x 192	998 x 345 x 212	998 x 345 x 212
Net Weight			kg	9.9	9.9	12.8	13.5
Fan Motor Output			W	30	30	30	60
OUTDOOR				AC09BQ UA3	AC12BQ UA3	AC18BQ UL2	AC24BQ U24
Operation Range	Cooling	Min / Max	°CDB	-10 / 48	-10 / 48	-15 / 48	-15 / 48
	Heating	Min / Max	°CDB	-10 / 24	-10 / 24	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	48	48	53	54
	Heating	High	dBA	50	50	55	57
Sound Power	Cooling	High	dBA	65	65	65	70
Air Flow Rate		High	m^3 / min	27	27	35	50
Piping	Length (Odu / Idu)	Min / Max	m	3 / 15	3 / 15	3 / 20	3 / 30
	Elevation (Odu / Idu)	Max	m	7	7	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)
Refrigerant	Type			R32	R32	R32	R32
	Charge at 7.5m		kg	0.700	0.700	1.000	1.100
			t-CO_2 eq	0.473	0.473	0.675	0.743
	Additional charge		g/m	20	20	20	20
	GWP			675	675	675	675
Fan Motor Output			W	43	43	43	85
Compressor Type				Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Net Weight			kg	26.0	26.0	35.2	46.4
Dimension			mm	717 x 495 x 230	717 x 495 x 230	770 x 545 x 288	870 x 650 x 330

* This product contains Fluorinated greenhouse gases (R32).
** S : Sleep / L : Low / M : Medium / H : High
*** GWP : Global warming potential
**** t-CO_2eq : F-gas(kg)*GWP/1000
***** Specification, design and feature are subject to change without prior notice.

ARTCOOL SILVER

R32

Dual Inverter COMPRESSOR

EUROVENT CERTIFIED PERFORMANCE

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

Embedded Wi-Fi
Smart Diagnosis
Active Energy Control
Energy Display
Plasmaster Ionizer^{PLUS}
Plasmaster Auto Cleaning

Jet Cool
4 Way Swing
Fast Heating
Gold Fin™
Comfort Air
Low Noise 19dB (9k, 12k)
Silence Mode
Quick & Easy Installation

• Single Combination

UNIT				9K	12K	18K
INDOOR				AC09SQ NSJ	AC12SQ NSJ	AC18SQ NSK
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4040	900 / 5000 / 5500
	Heating	Min / Rated / Max	W	890 / 3300 / 4100	890 / 4000 / 5100	900 / 5800 / 6400
	Heating -7°C	Rated	W	2600	3000	4200
Power Input	Cooling	Rated	W	656	1080	1562
	Heating	Rated	W	800	1050	1611
EER			W / W	3.81	3.24	3.20
S.E.E.R.				7.0	6.6	7.0
P design C			kW	2.5	3.5	5.0
COP			W / W	4.13	3.81	3.60
S.C.O.P. (Average / Warmer)				4.0 / 4.9	4.0 / 4.9	4.3 / 5.3
P design H (Average / Warmer)			kW	2.5 / 1.3	2.5 / 1.3	3.9 / 2.1
Energy Label	Cooling			A++	A++	A++
(A+++ to D Scale)	Heating (Average / Warmer)			A+ / A++	A+ / A++	A+ / A+++
Annual Energy	Cooling		kWh	125	186	250
Consumption	Heating (Average / Warmer)		kWh	875 / 386	875 / 386	1270 / 555
Sound Pressure	Cooling	S / L / M / H	dBA	19 / 27 / 35 / 41	19 / 27 / 35 / 41	31 / 34 / 39 / 44
	Heating	L / M / H	dBA	27 / 35 / 41	27 / 35 / 41	34 / 39 / 44
Sound Power	Cooling	Power	dBA	59	59	60
Air Flow Rate	Cooling	S / L / M / H	m^3 / min	3.0 / 4.2 / 7.5 / 10.0	3.0 / 4.2 / 7.5 / 10.0	8.0 / 10.5 / 13.0 / 14.5
		Max (Power)	m^3 / min	12.5	12.5	15.5
	Heating	L / M / H	m^3 / min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0	11.0 / 13.5 / 16.0
Dehumidification Rate			l/h	1.1	1.3	1.8
Running Current	Cooling	Rated	A	3.3	4.7	6.9
		Max	A	6.0	6.0	9.0
	Heating	Rated	A	4.0	4.7	7.1
		Max	A	7.0	7.0	9.5
Starting Current	Cooling / Heating	Rated	A	3.3 / 4.0	4.7 / 4.7	6.9 / 7.1
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15	20
Power Supply Cable			N x mm^2	3 x 1.0	3 x 1.0	3 x 1.5
Power & Transmission Cable			N x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	837 x 308 x 192	837 x 308 x 192	998 x 345 x 212
Net Weight			kg	9.9	9.9	12.8
Fan Motor Output			W	30	30	30
OUTDOOR				AC09BQ UA3	AC12BQ UA3	AC18BQ UL2
Operation Range	Cooling	Min / Max	°CDB	-10 / 48	-10 / 48	-15 / 48
	Heating	Min / Max	°CDB	-10 / 24	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	48	48	53
	Heating	High	dBA	50	50	55
Sound Power	Cooling	High	dBA	65	65	65
Air Flow Rate		High	m^3 / min	27	27	35
Piping	Length (Odu / Idu)	Min / Max	m	3 / 15	3 / 15	3 / 20
	Elevation (Odu / Idu)	Max	m	7	7	10
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)
Refrigerant	Type			R32	R32	R32
	Charge at 7.5m		kg	0.700	0.700	1.000
			t-CO_2 eq	0.473	0.473	0.675
	Additional charge		g/m	20	20	20
	GWP			675	675	675
Fan Motor Output			W	43	43	43
Compressor Type				Twin Rotary	Twin Rotary	Twin Rotary
Net Weight			kg	26.0	26.0	35.2
Dimension			mm	717 x 495 x 230	717 x 495 x 230	770 x 545 x 288

* This product contains Fluorinated greenhouse gases (R32).
** S : Sleep / L : Low / M : Medium / H : High
*** GWP : Global warming potential
**** t-CO_2eq : F-gas(kg)*GWP/1000
***** Specification, design and feature are subject to change without prior notice.

PRESTIGE

R32

NEW

Dual Inverter COMPRESSOR

EUROVENT CERTIFIED PERFORMANCE

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Embedded Wi-Fi
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Energy Display
Plasmaster Ionizer^{PLUS}
Dual Protection Filter
Plasmaster Auto Cleaning

Jet Cool
4 Way Swing
Fast Heating
Gold Fin™
Low Noise 19dB
Silence Mode
Quick & Easy Installation

• Single Combination

UNIT				9K	12K
INDOOR				F09MT NSM	F12MT NSM
Capacity	Cooling	Min / Rated / Max	W	300 / 2500 / 4000	300 / 3500 / 4250
	Heating	Min / Rated / Max	W	300 / 3200 / 6900	300 / 4000 / 7320
	Heating -7°C	Rated	W	4300	4700
Power Input	Cooling	Rated	W	490	833
	Heating	Rated	W	593	785
EER			W / W	5.1	4.2
S.E.E.R.				9.4	9.1
P design C			kW	2.5	3.5
COP			W / W	5.4	5.1
S.C.O.P. (Average / Warmer)				5.1 / -	5.1 / -
P design H (Average / Warmer)			kW	3.7 / -	3.8 / -
Energy Label	Cooling			A+++	A+++
(A+++ to D Scale)	Heating (Average / Warmer)			A+++ / -	A+++ / -
Annual Energy	Cooling		kWh	93	135
Consumption	Heating (Average / Warmer)		kWh	1016 / -	1043 / -
Sound Pressure	Cooling	S / L / M / H	dBA	19 / 27 / 35 / 40	19 / 27 / 35 / 40
	Heating	L / M / H	dBA	27 / 35 / 40	27 / 35 / 40
Sound Power	Cooling	Power	dBA	60	60
Air Flow Rate	Cooling	S / L / M / H	m^3 / min	6.6 / 8.7 / 11.1 / 12.4	6.6 / 8.7 /11.1 / 12.4
		Max (Power)	m^3 / min	15.5	15.5
	Heating	L / M / H	m^3 / min	8.7 / 11.1 / 14.3	8.7 / 11.1 / 14.3
Dehumidification Rate			l/h	1.7	1.7
Running Current	Cooling	Rated	A	3.8	6.1
		Max	A	8.1	8.1
	Heating	Rated	A	4.6	5.8
		Max	A	8.8	8.8
Starting Current	Cooling / Heating	Rated	A	3.8 / 4.6	6.1 / 5.8
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15
Power Supply Cable			N x mm^2	3 x 1.0	3 x 1.0
Power & Transmission Cable			N x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	875 x 295 x 235	875 x 295 x 235
Net Weight			kg	11.0	11.0
Fan Motor Output			W	30	30
OUTDOOR				F09MT U24	F12MT U24
Operation Range	Cooling	Min / Max	°CDB	-10 / 48	-10 / 48
	Heating	Min / Max	°CDB	-25 / 24	-25 / 24
Sound Pressure	Cooling	High	dBA	48	48
	Heating	High	dBA	50	50
Sound Power	Cooling	High	dBA	65	65
Air Flow Rate		High	m^3 / min	49	49
Piping	Length (Odu / Idu)	Min / Max	m	3 / 20	3 / 20
	Elevation (Odu / Idu)	Max	m	10	10
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (27/32)	21.5 (27/32)
Refrigerant	Type			R32	R32
	Charge at 7.5m		kg	1.000	1.000
			t-CO_2 eq	0.675	0.675
	Additional charge		g/m	20	20
	GWP			675	675
Fan Motor Output			W	85	85
Compressor Type				Twin Rotary	Twin Rotary
Net Weight			kg	43	43
Dimension			mm	870 x 650 x 330	870 x 650 x 330

* This product contains Fluorinated greenhouse gases (R32).
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*** GWP : Global warming potential
**** t-CO_2eq : F-gas(kg)*GWP/1000
***** Specification, design and feature are subject to change without prior notice.

DUALCOOL WITH AIR PURIFICATION

R32

NEW

Dual Inverter COMPRESSOR

EUROVENT CERTIFIED PERFORMANCE

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Embedded Wi-Fi · Active Energy Control · Energy Display · Auto Cleaning · Ultra Dust Sensing (PM 1.0) · Silence Mode

Jet Cool · 4 Way Swing · Fast Heating · Gold Fin™ · Comfort Air · Quick & Easy Installation

• Single Combination

UNIT				9K	12K
INDOOR				AP09RT NSJ	AP12RT NSJ
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4000
	Heating	Min / Rated / Max	W	890 / 3300 / 4100	890 / 4000 / 4700
	Heating -7°C	Rated	W	2600	3000
Power Input	Cooling	Rated	W	710	1160
	Heating	Rated	W	850	1130
EER			W/W	3.52	3.02
S.E.E.R.				6.6	6.2
P design C			kW	2.5	3.5
COP			W/W	3.88	3.54
S.C.O.P. (Average / Warmer)				4.0 / 5.0	4.0 / 5.0
P design H (Average / Warmer)			kW	2.5 / 1.4	2.5 / 1.4
Energy Label	Cooling			A++	A++
(A+++ to D Scale)	Heating (Average / Warmer)			A+ / A++	A+ / A++
Annual Energy	Cooling		kWh	133	198
Consumption	Heating (Average / Warmer)		kWh	875 / 393	875 / 393
Sound Pressure	Cooling	S / L / M / H	dBA	21 / 27 / 35 / 42	21 / 27 / 35 / 42
	Heating	L / M / H	dBA	30 / 35 / 41	30 / 35 / 41
Sound Power	Cooling	Power	dBA	59	59
Air Flow Rate	Cooling	S / L / M / H	m^3/min	3.0 / 4.2 / 6.6 / 10.0	3.0 / 4.2 / 6.6 / 10.0
		Max (Power)	m^3/min	11.0	11.0
	Heating	L / M / H	m^3/min	4.2 / 6.6 / 10.0	4.2 / 6.6 / 10.0
Dehumidification Rate			l/h	1.1	1.3
Running Current	Cooling	Rated	A	3.5	5.2
		Max	A	6.0	6.2
	Heating	Rated	A	4.0	5.1
		Max	A	7.0	7.0
Starting Current	Cooling / Heating	Rated	A	3.5 / 4.0	5.2 / 5.1
Power Supply			Ø/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker			A	15	15
Power Supply Cable			N x mm^2	3 x 1.0	3 x 1.0
Power & Transmission Cable			N x mm^2	4 x 1.0	4 x 1.0
Dimension			mm	857 x 348 x 189	857 x 348 x 189
Net Weight			kg	9.5	9.5
Fan Motor Output			W	30	30
OUTDOOR				AP09RT UA3	AP12RT UA3
Operation Range	Cooling	Min / Max	°CDB	-10 / 48	-10 / 48
	Heating	Min / Max	°CDB	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	48	48
	Heating	High	dBA	50	50
Sound Power	Cooling	High	dBA	65	65
Air Flow Rate		High	m^3/min	27	27
Piping	Length (Odu/Idu)	Min / Max	m	3 / 15	3 / 15
	Elevation (Odu/Idu)	Max	m	7	7
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (0.85)	21.5 (0.85)
Refrigerant	Type			R32	R32
	Charge at 7.5m		kg	0.700	0.700
			t-CO_2 eq	0.473	0.473
	Additional charge		g/m	20	20
	GWP			675	675
Fan Motor Output			W	43	43
Compressor Type				Twin Rotary	Twin Rotary
Net Weight			kg	26	26
Dimension			mm	717 x 495 x 230	717 x 495 x 230

* This product contains Fluorinated greenhouse gases (R32).
** S : Sleep / L : Low / M : Medium / H : High
*** GWP : Global warming potential
**** t-CO_2eq : F-gas(kg)*GWP/1000
***** Specification, design and feature are subject to change without prior notice.

DELUXE

R32

Dual Inverter COMPRESSOR

EUROVENT CERTIFIED PERFORMANCE

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Jet Cool · 4 Way Swing · Fast Heating · Gold Fin™ · Comfort Air · Low Noise 19dB (9k, 12k) · Silence Mode · Quick & Easy Installation

• Single Combination

UNIT				9K	12K	18K	24K
INDOOR				DC09RQ NSJ	DC12RQ NSJ	DC18RQ NSK	DC24RQ NSK
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4040	900 / 5000 / 5500	900 / 6600 / 7420
	Heating	Min / Rated / Max	W	890 / 3200 / 5000	890 / 4000 / 6000	900 / 5800 / 6400	900 / 7500 / 8640
	Heating -7°C	Rated	W	3200	3500	4200	6000
Power Input	Cooling	Rated	W	572	933	1562	2164
	Heating	Rated	W	711	976	1611	2238
EER			W/W	4.37	3.75	3.20	3.05
S.E.E.R.				7.9	7.6	7.0	6.9
P design C			kW	2.5	3.5	5.0	6.6
COP			W/W	4.5	4.1	3.60	3.35
S.C.O.P. (Average / Warmer)				4.6 / 5.4	4.6 / 5.4	4.3 / 5.3	4.3 / 5.3
P design H (Average / Warmer)			kW	2.8 / 1.5	2.9 / 1.5	3.9 / 2.1	5.0 / 2.7
Energy Label	Cooling			A++	A++	A++	A++
(A+++ to D Scale)	Heating (Average / Warmer)			A++ / A+++	A++ / A+++	A+ / A+++	A+ / A+++
Annual Energy	Cooling		kWh	111	161	250	335
Consumption	Heating (Average / Warmer)		kWh	852 / 389	883 / 389	1270 / 555	1628 / 713
Sound Pressure	Cooling	S / L / M / H	dBA	19 / 27 / 37 / 42	19 / 27 / 37 / 42	31 / 34 / 39 / 44	31 / 34 / 42 / 47
	Heating	L / M / H	dBA	27 / 37 / 42	27 / 37 / 42	34 / 39 / 44	34 / 42 / 47
Sound Power	Cooling	Power	dBA	60	60	60	65
Air Flow Rate	Cooling	S / L / M / H	m^3/min	3.5 / 5.5 / 9.0 / 11.0	3.5 / 5.5 / 9.0 / 11.0	8.0 / 10.5 / 13.0 / 14.5	8.0 / 10.5 / 13.1 / 16.1
		Max (Power)	m^3/min	13.0	13.0	15.5	20.0
	Heating	L / M / H	m^3/min	6.5 / 9.0 / 11.0	6.5 / 9.0 / 11.0	11.0 / 13.5 / 16.0	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
Running Current	Cooling	Rated	A	2.5	4.0	6.9	9.8
		Max	A	6.0	6.0	9.0	14.0
	Heating	Rated	A	3.2	4.3	7.1	10.4
		Max	A	7.0	7.0	9.5	14.0
Starting Current	Cooling / Heating	Rated	A	2.5 / 3.2	4.0 / 4.3	6.9 / 7.1	9.8 / 10.4
Power Supply			Ø/V/Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm^2	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable			N x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	9.1	9.1	11.9	12.7
Fan Motor Output			W	30	30	30	60
OUTDOOR				DC09RQ UL2	DC12RQ UL2	DC18RQ UL2	DC24RQ U24
Operation Range	Cooling	Min / Max	°CDB	-15 / 48	-15 / 48	-15 / 48	-15 / 48
	Heating	Min / Max	°CDB	-15 / 24	-15 / 24	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	49	49	53	54
	Heating	High	dBA	51	51	55	57
Sound Power	Cooling	High	dBA	65	65	65	70
Air Flow Rate	Cooling	High	m^3/min	35	35	35	50
Piping	Length (Odu/Idu)	Min / Max	m	3 / 20	3 / 20	3 / 20	3 / 30
	Elevation (Odu/Idu)	Max	m	10	10	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)
Refrigerant	Type			R32	R32	R32	R32
	Charge at 7.5m		kg	0.800	0.800	1.000	1.100
			t-CO_2 eq	0.540	0.540	0.675	0.743
	Additional charge		g/m	20	20	20	20
	GWP			675	675	675	675
Fan Motor Output			W	43	43	43	85
Compressor Type				Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Net Weight			kg	34.1	34.1	34.4	46.0
Dimension			mm	770 x 545 x 288	770 x 545 x 288	770 x 545 x 288	870 x 650 x 330

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DELUXE 2

NEW

Dual Inverter COMPRESSOR

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• Single Combination

UNIT				9K	12K
INDOOR				DC09RT NSJ	DC12RT NSJ
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4040
	Heating	Min / Rated / Max	W	890 / 3300 / 4100	890 / 4000 / 5100
	Heating -7°C	Rated	W	2600	3000
Power Input	Cooling	Rated	W	656	1080
	Heating	Rated	W	800	1050
EER			W / W	3.81	3.24
S.E.E.R.				7.0	6.6
P design C			kW	2.5	3.5
COP			W / W	4.13	3.81
S.C.O.P. (Average / Warmer)				4.0 / 4.9	4.0 / 4.9
P design H (Average / Warmer)			kW	2.5 / 1.3	2.5 / 1.3
Energy Label	Cooling			A++	A++
(A+++ to D Scale)	Heating (Average / Warmer)			A+ / A++	A+ / A++
Annual Energy	Cooling		kWh	125	186
Consumption	Heating (Average / Warmer)		kWh	875 / 371	875 / 371
Sound Pressure	Cooling	S / L / M / H	dBA	19 / 27 / 35 / 41	19 / 27 / 35 / 41
	Heating	L / M / H	dBA	27 / 35 / 41	27 / 35 / 41
Sound Power	Cooling	Power	dBA	59	59
Air Flow Rate	Cooling	S / L / M / H	m^3 / min	3.0 / 4.2 / 7.5 / 10.0	3.0 / 4.2 / 7.5 / 10.0
		Max (Power)	m^3 / min	12.5	12.5
	Heating	L / M / H	m^3 / min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0
Dehumidification Rate			l/h	1.1	1.3
Running Current	Cooling	Rated	A	3.3	4.7
		Max	A	6.0	6.0
	Heating	Rated	A	4.0	4.7
		Max	A	7.0	7.0
Starting Current	Cooling / Heating	Rated	A	3.3 / 4.0	4.7 / 4.7
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15
Power Supply Cable			N x mm^2	3 x 1.0	3 x 1.0
Power & Transmission Cable			N x mm^2	4 x 1.0	4 x 1.0
Dimension			mm	837 x 308 x 189	837 x 308 x 189
Net Weight			kg	9.1	9.1
Fan Motor Output			W	30	30
OUTDOOR				DC09RT UA3	DC12RT UA3
Operation Range	Cooling	Min / Max	°CDB	-10 / 48	-10 / 48
	Heating	Min / Max	°CDB	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	48	48
	Heating	High	dBA	50	50
Sound Power	Cooling	High	dBA	65	65
Air Flow Rate		High	m^3 / min	27	27
Piping	Length (Odu / Idu)	Min / Max	m	3 / 15	3 / 15
	Elevation (Odu / Idu)	Max	m	7	7
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)
Drain Hose Size		OD (Outside)	mm (inch)	27 / 32	27 / 32
Refrigerant	Type			R32	R32
	Charge at 7.5m		kg	0.700	0.700
			t-CO_2 eq	0.473	0.473
	Additional charge		g/m	20	20
	GWP			675	675
Fan Motor Output			W	43	43
Compressor Type				Twin Rotary	Twin Rotary
Net Weight			kg	25.1	25.1
Dimension			mm	717 x 495 x 230	717 x 495 x 230

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**** t-CO_2eq : F-gas(kg)*GWP/1000
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STANDARD PLUS

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• Single Combination

UNIT				9K	12K	18K	24K
INDOOR				PC09SQ NSJ	PC12SQ NSJ	PC18SQ NSK	PC24SQ NSK
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4040	900 / 5000 / 5500	900 / 6600 / 7420
	Heating	Min / Rated / Max	W	890 / 3300 / 4100	890 / 4000 / 5100	900 / 5800 / 6400	900 / 7500 / 8640
	Heating -7°C	Rated	W	2600	3000	4200	6000
Power Input	Cooling	Rated	W	656	1080	1562	2164
	Heating	Rated	W	800	1050	1611	2238
EER			W / W	3.81	3.24	3.20	3.05
S.E.E.R.				7.0	6.6	7.0	6.9
P design C			kW	2.5	3.5	5.0	6.6
COP			W / W	4.13	3.81	3.60	3.35
S.C.O.P. (Average / Warmer)				4.0 / 4.9	4.0 / 4.9	4.3 / 5.3	4.3 / 5.3
P design H (Average / Warmer)			kW	2.5 / 1.3	2.5 / 1.3	3.9 / 2.1	5.0 / 2.7
Energy Label	Cooling			A++	A++	A++	A++
(A+++ to D Scale)	Heating (Average / Warmer)			A+ / A++	A+ / A++	A+ / A+++	A+ / A+++
Annual Energy	Cooling		kWh	125	186	250	335
Consumption	Heating (Average / Warmer)		kWh	875 / 371	875 / 371	1270 / 555	1628 / 713
Sound Pressure	Cooling	S / L / M / H	dBA	19 / 27 / 35 / 41	19 / 27 / 35 / 41	31 / 34 / 39 / 44	31 / 34 / 42 / 47
	Heating	L / M / H	dBA	27 / 35 / 41	27 / 35 / 41	34 / 39 / 44	34 / 42 / 47
Sound Power	Cooling	Power	dBA	59	59	60	65
Air Flow Rate	Cooling	S / L / M / H	m^3 / min	3.0 / 4.2 / 7.5 / 10.0	3.0 / 4.2 / 7.5 / 10.0	8.0 / 10.5 / 13.0 / 14.5	8.0 / 10.5 / 13.1 / 16.1
		Max (Power)	m^3 / min	12.5	12.5	15.5	20.0
	Heating	L / M / H	m^3 / min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0	11.0 / 13.5 / 16.0	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
Running Current	Cooling	Rated	A	3.3	4.7	6.9	9.8
		Max	A	6.0	6.0	9.0	14.0
	Heating	Rated	A	4.0	4.7	7.1	10.4
		Max	A	7.0	7.0	9.5	14.0
Starting Current	Cooling / Heating	Rated	A	3.3 4.0	4.7 4.7	6.9 7.1	9.8 / 10.4
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm^2	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable			N x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	8.7	8.7	11.9	12.7
Fan Motor Output			W	30	30	30	60
OUTDOOR				PC09SQ UA3	PC12SQ UA3	PC18SQ UL2	PC24SQ U24
Operation Range	Cooling	Min / Max	°CDB	-10 / 48	-10 / 48	-15 / 48	-15 / 48
	Heating	Min / Max	°CDB	-10 / 24	-10 / 24	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	48	48	53	54
	Heating	High	dBA	50	50	55	57
Sound Power	Cooling	High	dBA	65	65	65	70
Air Flow Rate		High	m^3 / min	27	27	35	50
Piping	Length (Odu / Idu)	Min / Max	m	3 / 15	3 / 15	3 / 20	3 / 30
	Elevation (Odu / Idu)	Max	m	7	7	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)
Refrigerant	Type			R32	R32	R32	R32
	Charge at 7.5m		kg	0.700	0.700	1.000	1.100
			t-CO_2 eq	0.473	0.473	0.675	0.743
	Additional charge		g/m	20	20	20	20
	GWP			675	675	675	675
Fan Motor Output			W	43	43	43	85
Compressor Type				Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Net Weight			kg	25.1	25.1	34.4	46.0
Dimension			mm	717 x 495 x 230	717 x 495 x 230	770 x 545 x 288	870 x 650 x 330

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**** t-CO_2eq : F-gas(kg)*GWP/1000
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STANDARD 2

R32

NEW

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• Single Combination

UNIT				9K	12K	18K	24K
INDOOR				S09ET NSJ	S12ET NSJ	S18ET NSK	S24ET NSK
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4040	900 / 5000 / 5500	900 / 6600 / 7420
	Heating	Min / Rated / Max	W	890 / 3300 / 4100	890 / 4000 / 5100	900 / 5800 / 6400	900 / 7500 / 8640
	Heating -7°C	Rated	W	2600	3000	4200	6000
Power Input	Cooling	Rated	W	656	1080	1562	2164
	Heating	Rated	W	800	1050	1611	2238
EER			W / W	3.81	3.24	3.20	3.05
S.E.E.R.				7.0	6.6	7.0	6.9
P design C			kW	2.5	3.5	5.0	6.6
COP			W / W	4.13	3.81	3.60	3.35
S.C.O.P. (Average / Warmer)				4.0 / 4.9	4.0 / 4.9	4.3 / 5.3	4.3 / 5.3
P design H (Average / Warmer)			kW	2.5 / 1.3	2.5 / 1.3	3.9 / 2.1	5.0 / 2.7
Energy Label	Cooling			A++	A++	A++	A++
(A+++ to D Scale)	Heating (Average / Warmer)			A+ / A++	A+ / A++	A+ / A+++	A+ / A+++
Annual Energy	Cooling		kWh	125	186	250	335
Consumption	Heating (Average / Warmer)		kWh	875 / 371	875 / 371	1270 / 555	1628 / 713
Sound Pressure	Cooling	S / L / M / H	dBA	19 / 27 / 35 / 41	19 / 27 / 35 / 41	31 / 34 / 39 / 44	31 / 34 / 42 / 47
	Heating	L / M / H	dBA	27 / 35 / 41	27 / 35 / 41	34 / 39 / 44	34 / 42 / 47
Sound Power	Cooling	Power	dBA	59	59	60	65
Air Flow Rate	Cooling	S / L / M / H	m^3 / min	3.0	3.0	80	80
		Max (Power)	m^3 / min	12.5	12.5	15.5	18.3
	Heating	L / M / H	m^3 / min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0	11.0 / 13.5 / 16.0	11.0 / 14.3 / 17.6
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
Running Current	Cooling	Rated	A	3.3	4.7	6.9	9.8
		Max	A	6.0	6.0	9.0	14.0
	Heating	Rated	A	4.0	4.7	7.1	10.0
		Max	A	7.0	7.0	9.5	14.0
Starting Current	Cooling / Heating	Rated	A	3.3 / 4.0	4.7 / 4.7	6.9 / 7.1	9.8 / 10.0
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm^2	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable			N x mm^2	4 x 1.0	4 x 1.0	4 x 1.0	4 x 1.0
Dimension			mm	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	8.7	8.7	11.9	12.7
Fan Motor Output			W	30	30	30	58
OUTDOOR				**S09ET UA3**	**S12ET UA3**	**S18ET UL2**	**S24ET U24**
Operation Range	Cooling	Min / Max	°CDB	-10 / 48	-10 / 48	-15 / 48	-15 / 48
	Heating	Min / Max	°CDB	-10 / 24	-10 / 24	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	48	48	53	54
	Heating	High	dBA	50	50	55	57
Sound Power	Cooling	High	dBA	65	65	65	70
Air Flow Rate		High	m^3 / min	27	27	35	49
Piping	Length (Odu / Idu)	Min / Max	m	3 / 15	3 / 15	3 / 20	3 / 30
	Elevation (Odu / Idu)	Max	m	7	7	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size		OD (Outside)	mm (inch)	27 / 32	27 / 32	27 / 32	27 / 32
Refrigerant	Type			R32	R32	R32	R32
	Charge at 7.5m		kg	0.700	0.700	1.000	1.100
			t-CO_2 eq	0.473	0.473	0.675	0.743
	Additional charge		g/m	20	20	20	20
	GWP			675	675	675	675
Fan Motor Output			W	43	43	43	85
Compressor Type				Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Net Weight			kg	25.1	25.1	34.4	46.0
Dimension			mm	717 x 495 x 230	717 x 495 x 230	770 x 545 x 288	870 x 650 x 330

* This product contains Fluorinated greenhouse gases (R32).
** S : Sleep / L : Low / M : Medium / H : High
*** GWP : Global warming potential
**** t-CO_2eq : F-gas(kg)*GWP/1000
***** Specification, design and feature are subject to change without prior notice.

STANDARD

R32

Dual Inverter COMPRESSOR

EUROVENT CERTIFIED PERFORMANCE

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

Smart Diagnosis · Active Energy Control · Energy Display · Auto Cleaning · Jet Cool · 2 Way Swing (9k, 12k) · 4 Way Swing (18k, 24k) · Fast Heating

Gold Fin™ · Comfort Air · Low Noise 19dB (9k, 12k) · Silence Mode · Quick & Easy Installation

• Single Combination

UNIT				9K	12K	18K	24K
INDOOR				S09EQ NSJ	S12EQ NSJ	S18EQ NSK	S24EQ NSK
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4040	900 / 5000 / 5500	900 / 6600 / 7420
	Heating	Min / Rated / Max	W	890 / 3300 / 4100	890 / 4000 / 5100	900 / 5800 / 6400	900 / 7500 / 8640
	Heating -7°C	Rated	W	2600	3000	4200	6000
Power Input	Cooling	Rated	W	656	1080	1562	2164
	Heating	Rated	W	800	1050	1611	2238
EER			W / W	3.81	3.24	3.20	3.05
S.E.E.R.				7.0	6.6	7.0	6.9
P design C			kW	2.5	3.5	5.0	6.6
COP			W / W	4.13	3.81	3.60	3.35
S.C.O.P. (Average / Warmer)				4.0 / 4.9	4.0 / 4.9	4.3 / 5.3	4.3 / 5.3
P design H (Average / Warmer)			kW	2.5 / 1.3	2.5 / 1.3	3.9 / 2.1	5.0 / 2.7
Energy Label	Cooling			A++	A++	A++	A++
(A+++ to D Scale)	Heating (Average / Warmer)			A+ / A++	A+ / A++	A+ / A+++	A+ / A+++
Annual Energy	Cooling		kWh	125	186	250	335
Consumption	Heating (Average / Warmer)		kWh	875 / 371	875 / 371	1270 / 555	1628 / 713
Sound Pressure	Cooling	S / L / M / H	dBA	19 / 27 / 35 / 41	19 / 27 / 35 / 41	31 / 34 / 39 / 44	31 / 34 / 42 / 47
	Heating	L / M / H	dBA	27 / 35 / 41	27 / 35 / 41	34 / 39 / 44	34 / 42 / 47
Sound Power	Cooling	Power	dBA	59	59	60	65
Air Flow Rate	Cooling	S / L / M / H	m^3 / min	3.0 / 4.2 / 7.5 / 10.0	3.0 / 4.2 / 7.5 / 10.0	8.0 / 10.5 / 13.0 / 14.5	8.0 / 10.5 / 13.1 / 16.1
		Max (Power)	m^3 / min	12.5	12.5	15.5	20.0
	Heating	L / M / H	m^3 / min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0	11.0 / 13.5 / 16.0	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
Running Current	Cooling	Rated	A	3.3	4.7	6.9	9.8
		Max	A	6.0	6.0	9.0	14.0
	Heating	Rated	A	4.0	4.7	7.1	10.4
		Max	A	7.0	7.0	9.5	14.0
Starting Current	Cooling / Heating	Rated	A	3.3 / 4.0	4.7 / 4.7	6.9 7.1	9.8 / 10.4
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm^2	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable			N x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	8.7	8.7	11.9	12.7
Fan Motor Output			W	30	30	30	60
OUTDOOR				**S09EQ UA3**	**S12EQ UA3**	**S18EQ UL2**	**S24EQ U24**
Operation Range	Cooling	Min / Max	°CDB	-10 / 48	-10 / 48	-15 / 48	-15 / 48
	Heating	Min / Max	°CDB	-10 / 24	-10 / 24	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	48	48	53	54
	Heating	High	dBA	50	50	55	57
Sound Power	Cooling	High	dBA	65	65	65	70
Air Flow Rate		High	m^3 / min	27	27	35	50
Piping	Length (Odu / Idu)	Min / Max	m	3 / 15	3 / 15	3 / 20	3 / 30
	Elevation (Odu / Idu)	Max	m	7	7	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)
Refrigerant	Type			R32	R32	R32	R32
	Charge at 7.5m		kg	0.700	0.700	1.000	1.100
			t-CO_2 eq	0.473	0.473	0.675	0.743
	Additional charge		g/m	20	20	20	20
	GWP			675	675	675	675
Fan Motor Output			W	43	43	43	85
Compressor Type				Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Net Weight			kg	25.1	25.1	34.4	46.0
Dimension			mm	717 x 495 x 230	717 x 495 x 230	770 x 545 x 288	870 x 650 x 330

* This product contains Fluorinated greenhouse gases (R32).
** S : Sleep / L : Low / M : Medium / H : High
*** GWP : Global warming potential
**** t-CO_2eq : F-gas(kg)*GWP/1000
***** Specification, design and feature are subject to change without prior notice.

STANDARD 3

R32

NEW

Dual Inverter COMPRESSOR

EUROVENT CERTIFIED PERFORMANCE

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

Smart Diagnosis
Active Energy Control
Energy Display
Auto Cleaning
Jet Cool
2 Way Swing (9k, 12k)
Fast Heating
Gold Fin™
Comfort Air
Low Noise 19dB (9k, 12k)
Silence Mode
Quick & Easy Installation

• Single Combination

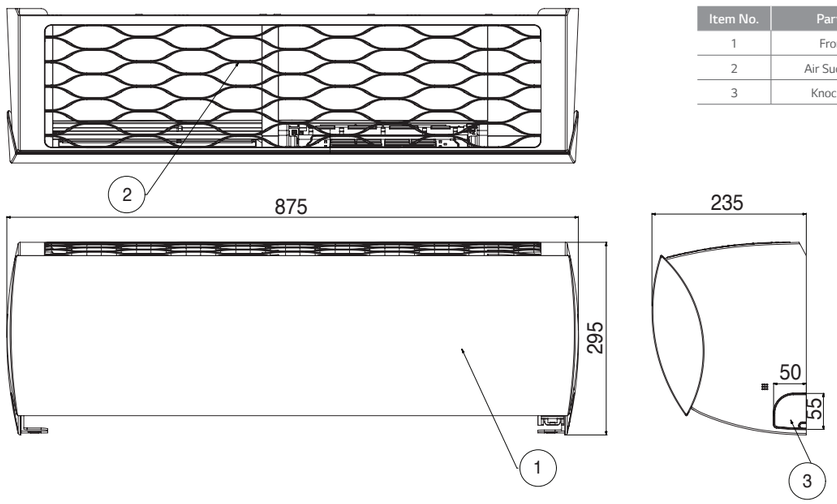
UNIT				9K	12K	
INDOOR				S09ES NSA	S12ES NSJ	S12EW NSJ
Capacity	Cooling	Min / Rated / Max	W	890/2500/3400	890 / 3500 / 4040	890 / 3500 / 4040
	Heating	Min / Rated / Max	W	890/3200/3700	890 / 4000 / 5100	890 / 4000 / 5100
	Heating -7°C	Rated	W	2700	3600	3600
Power Input	Cooling	Rated	W	715	1080	1080
	Heating	Rated	W	860	1050	1050
EER			W / W	3.50	3.24	3.24
S.E.E.R.				6.5	6.6	6.6
P design C			kW	2.5	3.5	3.5
COP			W / W	3.72	3.81	3.81
S.C.O.P. (Average / Warmer)				3.8 / 4.2	4.0 / 4.9	4.0 / 4.9
P design H (Average / Warmer)			kW	2.3 / 1.2	2.5 / 1.3	2.5 / 1.3
Energy Label	Cooling			A++	A++	A++
(A+++ to D Scale)	Heating (Average / Warmer)			A / A+	A+ / A++	A+ / A++
Annual Energy	Cooling		kWh	135	186	186
Consumption	Heating (Average / Warmer)		kWh	847 / 400	875 / 386	875 / 371
Sound Pressure	Cooling	S / L / M / H	dBA	22 / 28 / 36 / 42	19 / 27 / 35 / 41	19 / 27 / 35 / 41
	Heating	L / M / H	dBA	28 / 36 / 42	27 / 35 / 41	27 / 35 / 41
Sound Power	Cooling	Power	dBA	60	59	59
Air Flow Rate	Cooling	S / L / M / H	m^3 / min	2.0 / 3.0 / 6.0 / 8.0	3.0 / 4.2 / 7.5 / 10.0	3.0 / 4.2 / 7.5 / 10.0
		Max (Power)	m^3 / min	10.2	12.5	12.5
	Heating	L / M / H	m^3 / min	4.5 / 6.0 / 8.0	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0
Dehumidification Rate			l/h	1.1	1.3	1.3
Running Current	Cooling	Rated	A	3.3	4.7	4.7
		Max	A	6.0	6.0	6.0
	Heating	Rated	A	4.0	4.7	4.7
		Max	A	7.0	7.0	7.0
Starting Current	Cooling / Heating	Rated	A	3.3 / 4.0	4.7 / 4.7	4.7 / 4.7
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15	15
Power Supply Cable			N x mm^2	3 x 1.0	3 x 1.0	3 x 1.0
Power & Transmission Cable			N x mm^2	4 x 1.0	4 x 1.0	4 x 1.0
Dimension			mm	753 x 308 x 189	837 x 308 x 189	837 x 308 x 189
Net Weight			kg	8.0	8.5	8.7
Fan Motor Output			W	30	30	30
OUTDOOR				**S09ES UA3**	**S12ES UA3**	**S12EW UA3**
Operation Range	Cooling	Min/Max	°CDB	-10 / 48	-10 / 48	-10 / 48
	Heating	Min/Max	°CDB	-10 / 24	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	48	48	48
	Heating	High	dBA	50	50	50
Sound Power	Cooling	High	dBA	65	65	65
Air Flow Rate		High	m^3 / min	27	27	27
Piping	Length(Odu / Idu)	Min / Max	m	3 / 15	3 / 15	3 / 15
	Elevation(Odu / Idu)	Max	m	7	7	7
Piping Connection	Liquid	OD (Outside)	mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
Drain Hose Size		OD (Outside)	mm(inch)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)
Refrigerant	Type			R32	R32	R32
	Charge at 7.5m		kg	0.670	0.700	0.700
			t-CO_2 eq	0.452	0.473	0.473
	Additional charge		g/m	20	20	20
	GWP			675	675	675
Fan Motor Output			W	30	43	43
Compressor Type				Twin Rotary	Twin Rotary	Twin Rotary
Net Weight			kg	26	26	26
Dimension			mm	717 x 495 x 230	717 x 495 x 230	717 x 495 x 230

* This product contains Fluorinated greenhouse gases (R32).
** S : Sleep / L : Low / M : Medium / H : High
*** GWP : Global warming potential
**** t-CO_2eq : F-gas(kg)*GWP/1000
***** Specification, design and feature are subject to change without prior notice.

INDOOR UNIT

F09MT.NSM / F12MT.NSM

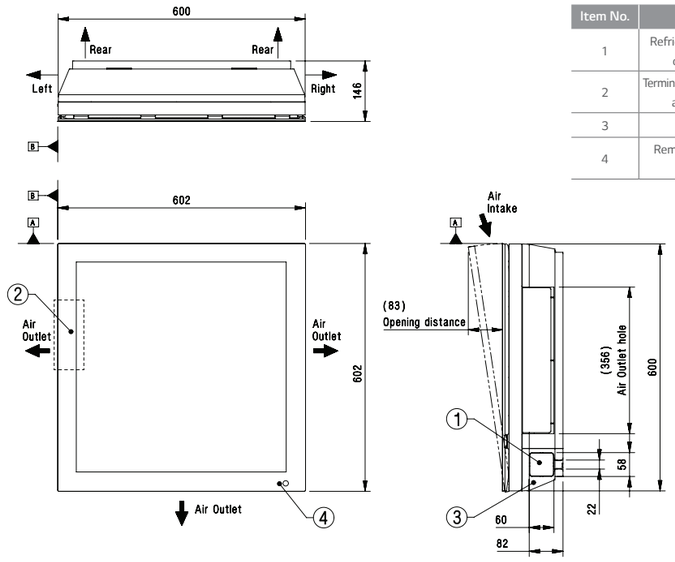
(Unit: mm)



Item No.	Part Name	Remark
1	Front Panel	
2	Air Suction Grille	
3	Knockout Hole	For pipe and cable

A09FT.NSF / A12FT.NSF

(Unit : mm)

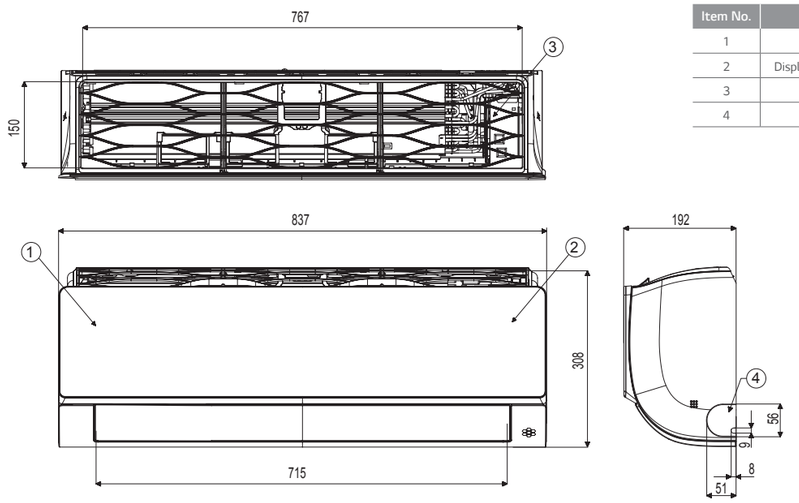


Item No.	Part Name	Description
1	Refrigerant/Drain pipe and cable routing hole	Knock-out type
2	Terminal Block for Power supply and communication	inside of front panel
3	Corner Cover	-
4	Remote Controller Signal Receiver	for wireles type

INDOOR UNIT

AC09BQ.NSJ / AC12BQ.NSJ / AC09SQ.NSJ / AC12SQ.NSJ

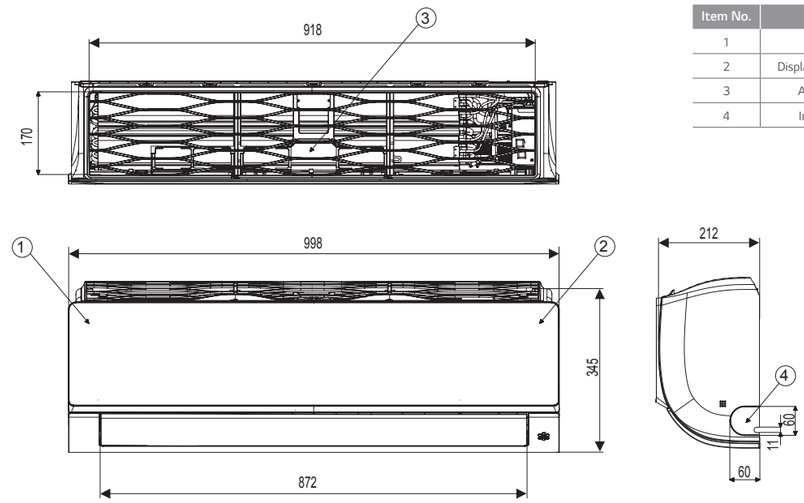
(Unit : mm)



Item No.	Part Name	Remark
1	Front Panel	
2	Display & Signal Receiver	
3	Air Filter	
4	Knockout hole	For pipe and cable

AC18BQ.NSK / AC24BQ.NSK / AC18SQ.NSK

(Unit : mm)



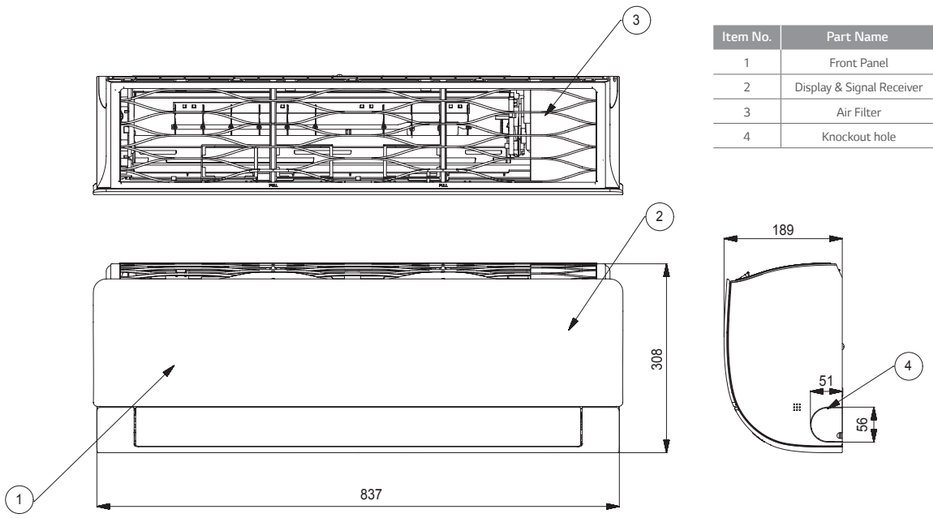
Item No.	Part Name	Remark
1	Front Panel	
2	Display & Signal Receiver	
3	Air Suction Filter	
4	Installation Plate	

INDOOR UNIT

DC09RQ.NSJ / DC12RQ.NSJ / DC09RT.NSJ / DC12RT.NSJ / PC09SQ.NSJ / PC12SQ.NSJ / S09EQ.NSJ / S12EQ.NSJ / S09ET.NSJ / S12ET.NSJ / S12ES.NSJ

(Unit : mm)

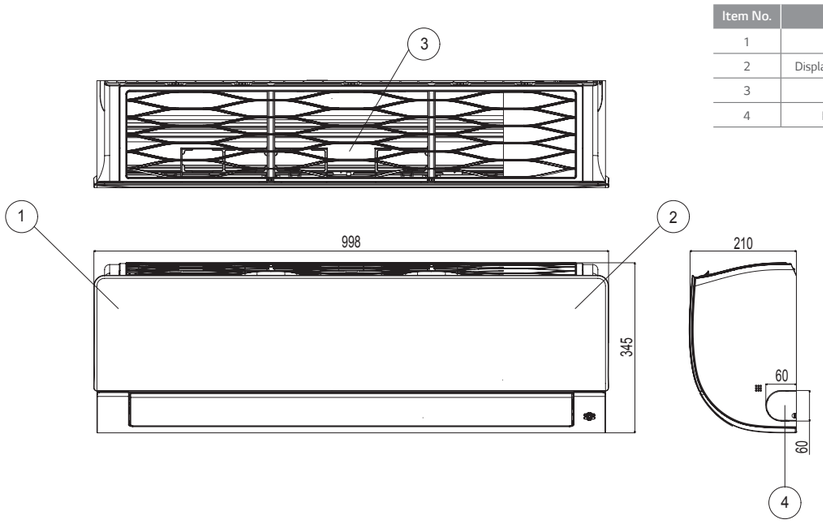
Item No.	Part Name	Remark
1	Front Panel	
2	Display & Signal Receiver	Hidden
3	Air Filter	
4	Knockout hole	For pipe and cable



DC18RQ.NSK / DC24RQ.NSK / PC18SQ.NSK / PC24SQ .NSK / S18EQ.NSK / S24EQ.NSK / S18ET.NSK / S24ET.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

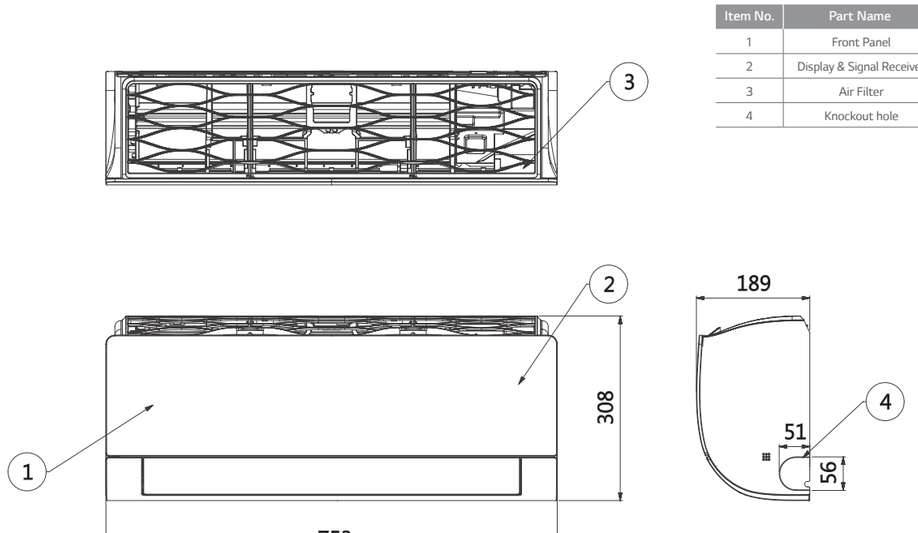


INDOOR UNIT

S09ES NSA

(Unit : mm)

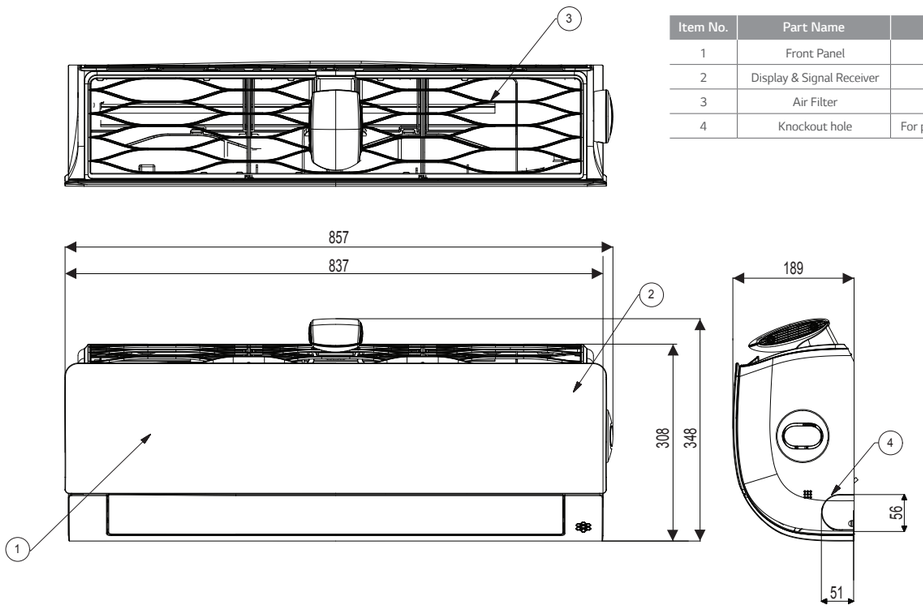
Item No.	Part Name	Remark
1	Front Panel	
2	Display & Signal Receiver	Hidden
3	Air Filter	
4	Knockout hole	For pipe and cable



AP09RT.NSJ / AP12RT.NSJ

(Unit : mm)

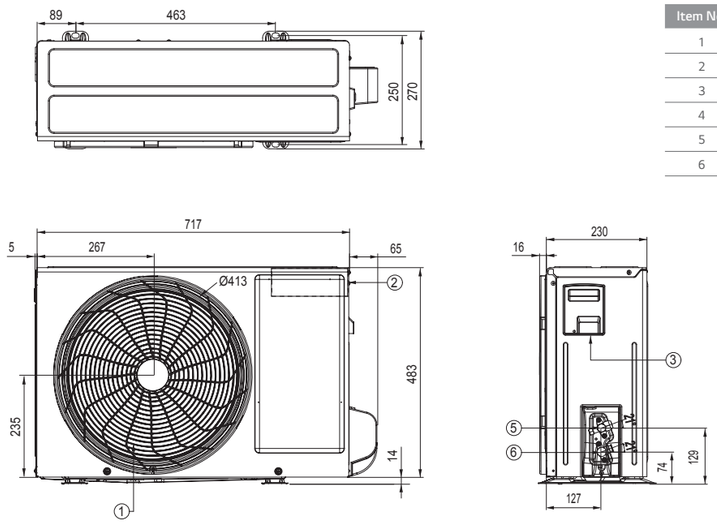
Item No.	Part Name	Remark
1	Front Panel	
2	Display & Signal Receiver	Hidden
3	Air Filter	
4	Knockout hole	For pipe and cable



OUTDOOR UNIT

AC09BQ.UA3 / AC12BQ.UA3 / AC09SQ.UA3 / AC12SQ.UA3 / DC09RT.UA3 / DC12RT.UA3 / PC09SQ.UA3 / PC12SQ.UA3 / S09EQ.UA3 / S12EQ.UA3 / S09ET.UA3 / S12ET.UA3 / S12ES.UA3 / AP09RT.UA3 / AP12RT.UA3 / S09ES.UA3

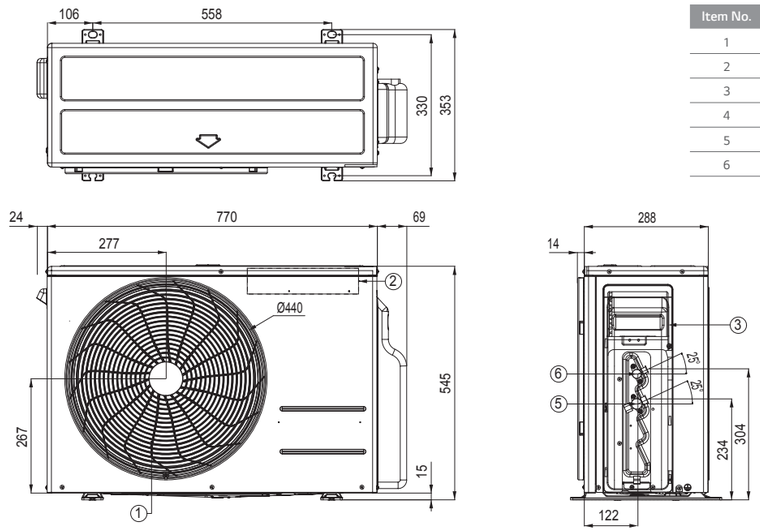
(Unit: mm)



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

A09FT.UL2 / A12FT.UL2 / DC09RQ.UL2 / DC12RQ.UL2 / AC18BQ.UL2 / AC18SQ.UL2 / DC18RQ.UL2 / PC18SQ.UL2 / S18EQ.UL2 / S18ET.UL2 /

(Unit: mm)

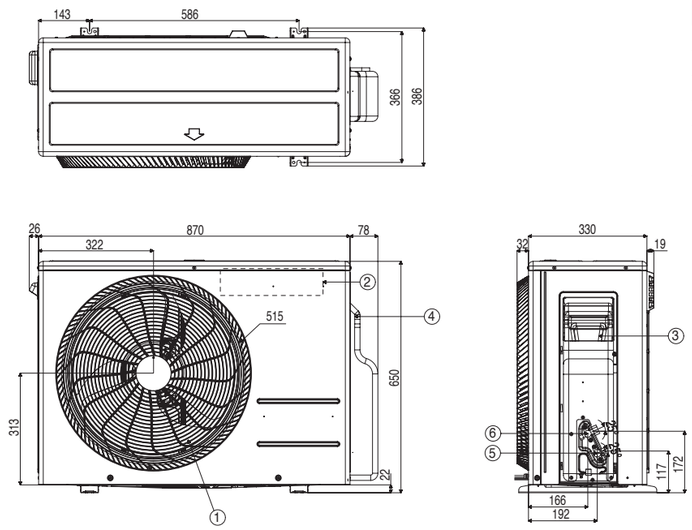


Item No.	Part Name
1	Air Outlet
2	Control Box
3	Power and Communication Cable Hole
4	Service Valve Cover
5	Gas Pipe Connection
6	Liquid Pipe Connection

OUTDOOR UNIT

F09MT.U24 / F12MT.U24 / AC24BQ.U24 / DC24RQ.U24 / PC24SQ.U24 / S24EQ.U24 / S24ET. U24

(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

ACCESSORIES

		ARTCOOL GALLERY	ARTCOOL	PRESTIGE	DELUXE	DELUXE2	STANDARD PLUS	STANDARD2	STANDARD	STANDARD3
Wired Remote Controller	5k						Y			
	7k		Y		Y		Y		-	-
	9k	-	Y	Y	Y	Y	Y	Y	-	-
	12k	-	Y	Y	Y	Y	Y	Y	-	-
	15k						Y			
	18k		Y		Y		Y	Y	-	-
	24k		Y		Y		Y	Y	-	-
PI 485	5k						-			
	7k		-		Y*		-		-	-
	9k	Y	-	-	Y*	Y*	-	-	-	
	12k	Y	-	-	Y*	Y*	-	-	-	
	15k						-			
	18k		-		Y*		-	-	-	
	24k		-		Y*		-	-	-	
Dry Contact	5k						Y			
	7k		Y		Y		Y		-	-
	9k	Y	Y	Y	Y	Y	Y	Y	-	-
	12k	Y	Y	Y	Y	Y	Y	Y	-	-
	15k						Y			
	18k		Y		Y		Y	Y	-	-
	24k		Y		Y		Y	Y	-	-

* Y: Available

* When connected to Multi 14k & 16k Outdoor units, this may not be supported.

Standard Wired Remote Control

• Standard III

PREMTB100

PREMTBB10

• Standard II

PREMTB001

PREMTBB01

MODEL NAME	PREMTB100 PREMTBB10	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

ACCESSORIES

Dry Contact

PDRYCB000

PDRYCB400

PDRYCB300

PDRYCB500

※ Refer to each product PDB for applicable models

MODEL	PDRYCB000	PDRYCB400	PDRYCB300	PDRYCB500
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 & 12 V 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 Control

Prestige

Artcool

Deluxe, Deluxe2,

Standard Plus

Standard, Standard2, Standard3

BUTTON	DISPLAY SCREEN	DESCRIPTION
⏻	-	To turn On / Off the air conditioner.
TEMP ∧ ∨	88°C	To adjust the desired room temperature in cooling, heating or auto changeover mode.
COMFORT AIR		To adjust the air flow to deflect wind.
LIGHT OFF	-	To set the brightness of the display on the indoor unit.
MODE	❄	To select the cooling mode.
	☀	To select the heating mode.
	💧	To select the dehumidification mode.
	🌀	To select the fan mode.
	A	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	Po	To change room temperature quickly.
SWING SWING		To adjust the air flow direction vertically or horizontally.
ROOM TEMP		To display the room temperature.
℃ ↔ °F[5sec]		To change unit between °C and °F.
SET/ CANCEL	-	To set / cancel the functions and timer.
∨ ∧	-	To adjust time.
TIMER	-	To turn on / off air conditioner automatically.
CANCEL	-	To cancel the timer settings.