



RESIDENTIAL

WALL MOUNTED

MULTI SPLIT













RESIDENTIAL

R32 LINE-UP

INDOOR UNIT

○ Single Only ○● Compatible ● Multi Only

| | | kBtu/h | 5 | 7 | 9 | 12 | 15 | 18 | 24 |
|--------------------------|----------------------------|---|----------|----------|-----------|-----------|----------|-----------|----------|
| | | kW | 1.5 | 2.1 | 2.6 | 3.5 | 4.2 | 5.3 | 7.0 |
| Wall Mounted Unit | ARTCOOL |  <small>AVAILABLE FROM MID 2018 ONWARDS</small> | | ● AM07BP | ○● AC09BQ | ○● AC12BQ | | ○● AC18BQ | ● AM24BP |
| | Deluxe |  | | ● DM07RP | ○● DC09RQ | ○● DC12RQ | | ○● DC18RQ | ● DM24RP |
| | Standard Plus |  | ● PM05SP | ● PM07SP | ○● PC09SQ | ○● PC12SQ | ● PM15SP | ○● PC18SQ | ● PM24SP |
| | |  <small>AVAILABLE FROM MID 2018 ONWARDS</small> | ● MJ05PC | ● MJ07PC | ● MJ09PC | ● MJ12PC | ● MJ15PC | ● MJ18PC | ● MJ24PC |
| | Standard |  | | | ○ S09EQ | ○ S12EQ | | ○ S18EQ | |
| Ceiling Mounted Cassette | 4 Way Cassette |  | ● MT06R | ● MT08R | ● CT09R | ● CT12R | | ● CT18R | ● CT24R |
| Ceiling Concealed Duct | Mid / High Static Pressure |  | | | | | | ● CM18R | ● CM24R |
| | Low Static Pressure |  | | | ● CL09R | ● CL12R | | ● CL18R | ● CL24R |



OUTDOOR UNIT

○ Single Only ○ Compatible ● Multi Only














| | | kBtu/h | 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 |
| Single | ARTCOOL |  AC09BQ |  AC12BQ | | | |  AC18BQ | | | | |
| | Deluxe |  DC09RQ |  DC12RQ | | | |  DC18RQ | | | | |
| | Standard Plus |  PC09SQ |  PC12SQ | | | |  PC18SQ | | | | |
| | Standard |  S09EQ |  S12EQ | | | |  S18EQ | | | | |
| Multi | Multi Piping | | |  MU2R15 2-port |  MU2R15 2-port |  MU3R17 3-port |  MU3R21 3-port |  MU4R25 4-port |  MU4R27 4-port |  MU5R30 5-port | |

RESIDENTIAL

R410A LINE-UP

INDOOR UNIT

○ Single Only ○● Compatible ● Multi Only

| | | kBtu/h | 5 | 7 | 9 | 12 | 15 | 18 | 24 |
|---|---|---|-------------|-------------|--------------|--------------|-------------|--------------|--------------|
| | | kW | 1.5 | 2.1 | 2.6 | 3.5 | 4.2 | 5.3 | 7.0 |
| Wall Mounted Unit | Prestige |  | | | ○ H09AL | ○ H12AL | | | |
| | ARTCOOL Stylist |  | | | ○ G09WL | ○ G12WL | | | |
| | ARTCOOL Gallery |  | | | ● MA09AH1 | ● MA12AH1 | | | |
| | ARTCOOL |  | | ● AM07BP | ○● AM09BP | ○● AM12BP | | ○● AM18BP | ● AM24BP |
| | Deluxe |  | | ● DM07RP | ○● DM09RP | ○● DM12RP | | ○● DM18RP | ○● DM24RP |
| | Standard Plus |  | ● PM05SP | ● PM07SP | ○● PM09SP | ○● PM12SP | ● PM15SP | ○● PM18SP | ○● PM24SP |
| | Standard |  | | | ○ P09EN | ○ P12EN | | ○ P18EN | ○ P24EN |
| Ceiling Mounted Cassette | 1 Way Cassette |  | | | ● MT09AH | ● MT11AH | | | |
| | 4 Way Cassette |  | ● MT06AH | ● MT08AH | ● CT09 | ● CT12 | | ● CT18 | ● CT24 |
| Ceiling Concealed Duct | Mid / High Static Pressure |  | | | | | | ● CM18 | ● CM24 |
| | Low Static Pressure |  | | | ● CB09L | ● CB12L | | ● CB18L | ● CB24L |
| Ceiling & Floor Convertible Unit / Ceiling Suspended Unit |  | | | ● CV09 | ● CV12 | | ● CV18 | ● CV24 | |
| Console |  | | | ● CQ09 | ● CQ12 | | ● CQ18 | | |

OUTDOOR UNIT

| | | 9 | 12 | 14 | 16 | 18 | 21 | 24 | 27 | 30 | 40 | 46 | 48 | 57 | | |
|--------|-------------------------|--|--|---|---|---|---|---|--|---|---|---|---|---|---|---|
| | | kBtu/h | | | | | | | | | | | | | | |
| | | kW | 2.5 | 3.5 | 4.1 | 4.7 | 5.3 | 6.2 | 7.0 | 7.9 | 8.8 | 11.7 | 13.5 | 14.1 | 16.7 | |
| Single | Prestige |  H09AL |  H12AL | | | | | | | | | | | | | |
| | ARTCOOL Stylist |  G09WL |  G12WL | | | | | | | | | | | | | |
| | ARTCOOL |  AM09BP |  AM12BP | | |  AM18BP | | | | | | | | | | |
| | Deluxe |  DM09RP |  DM12RP | | |  DM18RP | |  DM24RP | | | | | | | | |
| | Standard Plus |  PM09SP |  PM12SP | | |  PM18SP | |  PM24SP | | | | | | | | |
| | Standard |  P09EN |  P12EN | | |  P18EN | |  P24EN | | | | | | | | |
| Multi | Max. 2 IDUs (1Ø) | | |  MU2M15 |  MU2M17 | | | | | | | | | | | |
| | Max. 3 IDUs (1Ø) | | | | |  MU3M19 |  MU3M21 | | | | | | | | | |
| | Max. 4 IDUs (1Ø) | | | | | | |  MU4M25 |  MU4M27 | | | | | | | |
| | Max. 5 IDUs (1Ø) | | | | | | | | |  MU5M30 |  MU5M40 | | | | | |
| | Max. 7 IDUs (1Ø, 3Ø) | | | | | | | | | | |  FM40AH |  FM41AH | | | |
| | DB Box Type | Max. 8 IDUs (1Ø, 3Ø) | | | | | | | | | | | |  FM48AH |  FM49AH | |
| | | Max. 9 IDUs (1Ø, 3Ø) | | | | | | | | | | | | |  FM56AH |  FM57AH |

WALL MOUNTED

Prestige | Artcool | Deluxe | Standard Plus | Standard





WALL MOUNTED

PRESTIGE

DUAL Inverter



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

WALL MOUNTED

ARTCOOL Stylist Smart Inverter

* This product shall be shortly discontinued.



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

WALL MOUNTED

ARTCOOL

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.

WALL MOUNTED

DELUXE

DUAL Inverter



LG retains it's leading position in supplying RACs,
incorporating the essential and fundamental elements of air conditioner solutions.

WALL MOUNTED

STANDARD PLUS

DUAL Inverter



New Standard Plus is a compact size unit with powerful cooling performance and in intelligible and convenient design.

WALL MOUNTED

STANDARD

DUAL Inverter







Standard model displays all the sophisticated features of general RAC
integrated with LG's more advanced technology.

WALL MOUNTED

R32 FEATURE OVERVIEW














| | | Energy Efficiency | | | CORE TECH | | SMART | | ENERGY EFFICIENCY | |
|---------------|---|--------------------|-----|-----|--------------------------|-----------------|---------------------------|-----------------|-----------------------|----------------|
| | | Cooling Heating | | | Dual Inverter Compressor | R32 Refrigerant | Embedded Wi-Fi | Smart Diagnosis | Active Energy Control | Energy Display |
| ARTCOOL |  | 9k | 12k | 18k | ● | ● | ● | ● | ● | ● |
| | | A++ | | | | | | | | |
| | | A+ | | | | | | | | |
| | | Multi ⁴ | | | | | | | | |
| Deluxe |  | 9k | 12k | 18k | ● | ● | ● | ● | ● | ● |
| | | A++ | | A++ | | | | | | |
| | | A++ | | A+ | | | | | | |
| | | Multi ⁴ | | | | | | | | |
| Standard Plus |  | 9k | 12k | 18k | ● | ● | ● | ● | ● | ● |
| | | A++ | | | | | | | | |
| | | A+ | | | | | | | | |
| | | Multi ⁴ | | | | | | | | |
| Standard |  | 9k | 12k | 18k | ● | ● | ● ³ (Ready) | ● | ● | ● |
| | | A++ | | | | | | | | |
| | | A+ | | | | | | | | |

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 (LG-IR-WF-1)
 4. Please refer to the specifications of Multi outdoor units.



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| DURABILITY | HEALTH | | | FAST COOLING & HEATING | | | COMFORT | | | |
|--|---|---|--|---|--|---|---|---|--|--|
|  Gold Fin™ |  Plasmaster Ionizer ^{PLUS} |  Dual Protection Filter |  Auto Cleaning |  Jet Cool |  4 Way Swing |  Fast Heating |  Comfort Air |  Low Noise 19dB |  Silent Mode 3dB |  Quick & Easy Installation |
| • | • | • | • | • | • | • | • | • 9,12k Only | • | • |
| • | • | • | • | • | • | • | • | • 7k Only | • | • |
| • | • | • | • | • | • | • | • | • 9,12k Only | • | • |
| • | • | • | • | • | • | • | • | • | • | • |
| • | | • | • | • | • | • | • | • 9,12k Only | • | • |
| • | | • | • | • | • | • | • | • | • | • |
| • | | • | • | • | • 18k Only | • | • | • 9,12k Only | • | • |

WALL MOUNTED

R410A FEATURE OVERVIEW













Smart Inverter

| | | Energy Efficiency | | SMART | ENERGY EFFICIENCY | DURABILITY | | |
|-----------------|---|---|--|---------------------------|-------------------|-----------------------|----------------|-----------|
| | | Cooling | Heating | Embedded Wi-Fi | Smart Diagnosis | Active Energy Control | Energy Display | Gold Fin™ |
| Prestige |  | 9k | 12k | ● | | ● | | ● |
| | |  A+++  A+++ |  A+++  A+++ | | | | | |
| ARTCOOL Stylist |  | 9k | 12k | ● ³ (Ready) | | | | ● |
| | |  A+  A |  A+  A | | | | | |
| ARTCOOL Gallery |  | Multi ⁴ | | | | | | ● |
| ARTCOOL |  | 9k | 12k | ● | ● | ● | ● | ● |
| | |  A++  A+ | | | | | | |
| | | 7k | 24k | | | | | |
| | | Multi ⁴ | | ● | | | | ● |
| Deluxe |  | 9k | 12k | ● | ● | ● | ● | ● |
| | | 18k | 24k | | | | | |
| | |  A++  A+ | | | | | | |
| | | 7k | | ● | | | | ● |
| | | Multi ⁴ | | | | | | ● |
| Standard Plus |  | 9k | 12k | ● | ● | ● | ● | ● |
| | | 18k | 24k | | | | | |
| | |  A++  A+ | | | | | | |
| | | 5k | 7k | ● | | | | ● |
| | | 15k | | | | | | |
| | | Multi ⁴ | | | | | | ● |
| Standard |  | 9k | 12k | ● ³ (Ready) | ● | ● | ● | ● |
| | | 18k | 24k | | | | | |
| | |  A++  A+ | | | | | | |
| | | | | | | | | ● |

W

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 (LG-IR-WF-1)

| HEALTH | | | FAST COOLING & HEATING | | | COMFORT | | | |
|---|---|--|---|--|---|---|---|--|--|
|  Plasmaster Ionizer ^{PLUS} |  Dual Protection Filter |  Auto Cleaning |  Jet Cool |  4 Way Swing |  Fast Heating |  Comfort Air |  Low Noise 19dB |  Silent Mode 3dB |  Quick & Easy Installation |
| • | • | • | • | • | • | • | • | • | • |
| | • | • | • | • 3 way | • | | • | • | • |
| | • | • | • | • 3 way | • | | • | • | • |
| • | • | • | • | • | • | • | • 9,12k Only | • | • |
| • | • | • | • | • | • | • | • 7k Only | • | • |
| • | • | • | • | • | • | • | • 9,12k Only | • | • |
| • | • | • | • | • | • | • | • | • | • |
| | • | • | • | • | • | • | • 9,12k Only | • | • |
| | • | • | • | • | • | • | • | • | • |
| | • | • | • | • 2 way | • | • | • 9,12k Only | • | • |

WALL MOUNTED KEY FEATURES

CORE TECH



Dual Inverter Compressor

• What is the Dual Inverter Compressor?

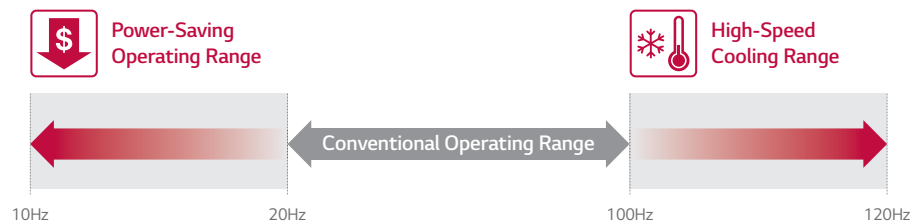
A compressor is the heart of an air conditioner, and monitoring whether it works properly, effectively, or noisily that can cause stress as well as cost more money. LG's Dual Inverter Compressor provides an effective solution, resulting in an air conditioner that cools faster, lasts longer, and operates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



• 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.



R32 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-friendly refrigerants. In order to reduce environmental destruction, refrigerant R32 is internationally acclaimed for being Eco-friendly. It has the unprecedented feature as a low volume refrigerant that is as efficient as any conventional refrigerant; thus qualifying as a green refrigerant.



• How it Works

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

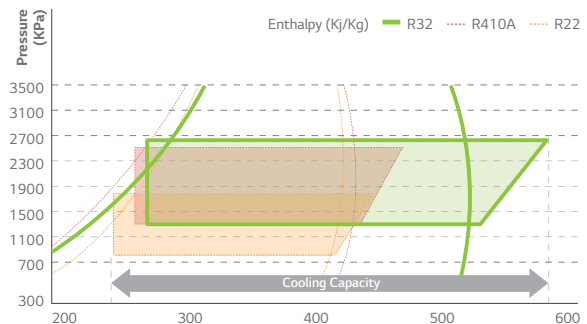
Alleviate Global Warming & Ozone Layer Destruction

R32 efficiently works even in small volume compared to existing R410A refrigerant, which decreases potential hazard of global warming.

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

High Compressibility

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



• Benefit

Eco-friendly Refrigerants that can prevent environmental pollution.

High-Efficiency & High-Performance Refrigerant

Reduce refrigerant charge by 15% R410A Preparation for an increase in efficiency for both heating and cooling. R410A Preparation for easy install. (R410A blended refrigerant, R32 single refrigerant)

WALL MOUNTED KEY FEATURES

SMART



Embedded Wi-Fi

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

• LG Smart ThinQ



LG Smart ThinQ

Download the 'LG SmartThinQ' app from the Google Downloads or the Appstore.



• How it Works

Embedded Wi-Fi modem

Enable "LG Smart ThinQ" on your air conditioner.

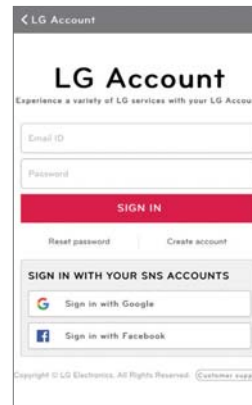


By using the embedded Wi-Fi modem, get ready for innovation without boundaries.



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

• **Benefit**

Simple operation for various functions

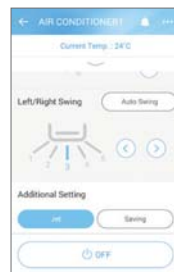
On/Off, Current Temp



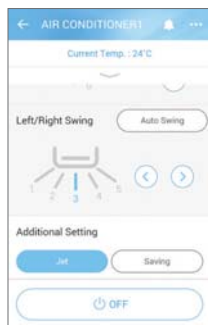
Mode, Set Temp



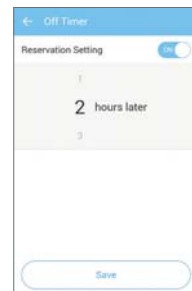
Vane Control



Straight forward Management



Reservation



Energy Monitoring



Smart Diagnosis



Filter Management



Integrated Home Appliances Control

Control / Monitor all 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, Smart ThinQ.



WALL MOUNTED KEY FEATURES

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 the Smart Diagnosis?

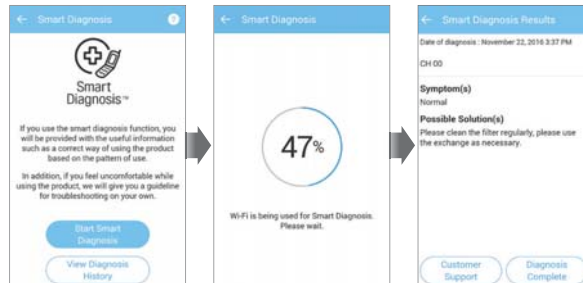
Smart Diagnosis allows users to conveniently check setup, installation, troubleshooting and other information directly from a smartphone.

* Builds upon widespread smartphone use and offers greater USP diversification

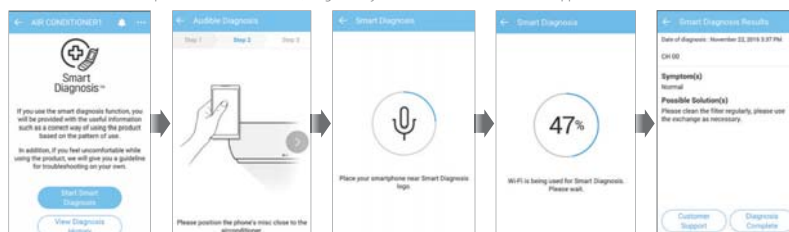
* Perfect for consumers who are unable to view information about their air conditioner via a display or remote control.

• How it works

By using "LG Smart 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.



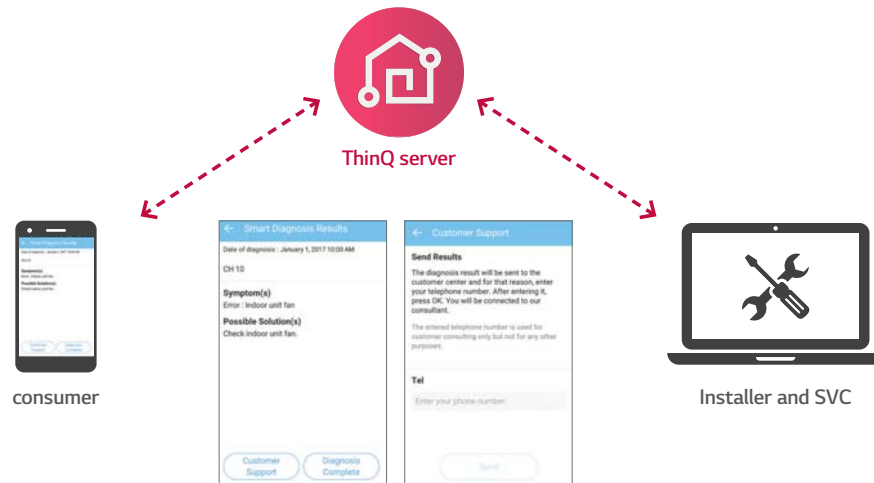
• **Benefit**

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

WALL MOUNTED KEY FEATURES

SMART



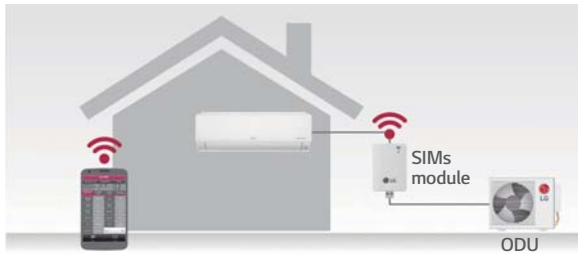
SIMs

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



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.

| | | | |
|--|--|--|---|
| | <p>Main</p> <ul style="list-style-type: none"> Current outdoor temperature Indoor temperature Inverter Comp frequency Operating opening Error code / Frequency limits Indoor. Outdoor fan speed | | <p>Indoor Unit</p> <ul style="list-style-type: none"> Indoor Unit Capacity / Operation Mode THM mode / REM mode FAN operating condition / EEV opening Room Temperature / Suction Temperature Intermediate Temperature Exit Temperature |
| | <p>Outdoor Unit</p> <ul style="list-style-type: none"> Frequency / Fan RPM DC Link / Input Current Input Voltage EEV operation mode Restart timer Compressor mode / EEV opening | | <p>Chart</p> <ul style="list-style-type: none"> 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)



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

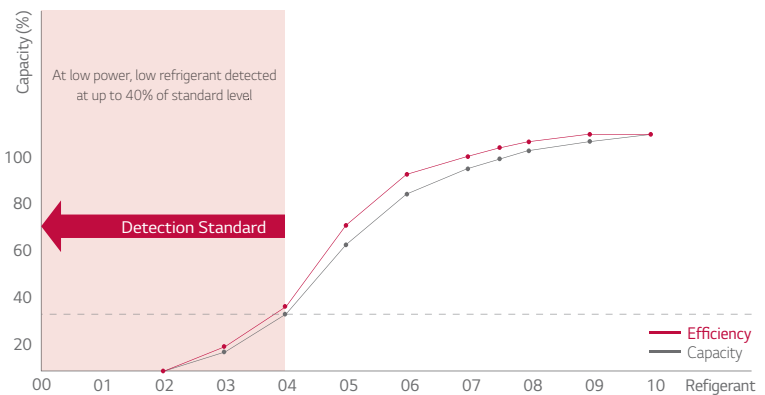
The Air Conditioner is automatically shut down when low refrigerant level is detected.

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



Inside Insulator Melting



Oil Fire



Rotor Burnout



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

Notify You of Low Refrigerant Levels

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

WALL MOUNTED KEY FEATURES

ENERGY EFFICIENCY



Supreme Energy Efficiency

LG's revolutionary Inverter technology boasts powerful yet quiet performance while minimising energy consumption. With world class energy efficiency, bask in the cosiness of the atmosphere surroundings whilst saving energy.

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

• High Efficient Compressor and Reversing Valve

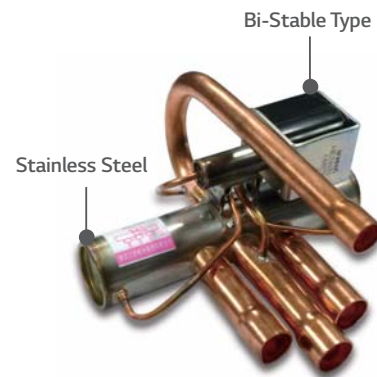
Rotary Compressor and Motor Efficiency

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 best efficiencies.



Bi-Stable Reversing Valve

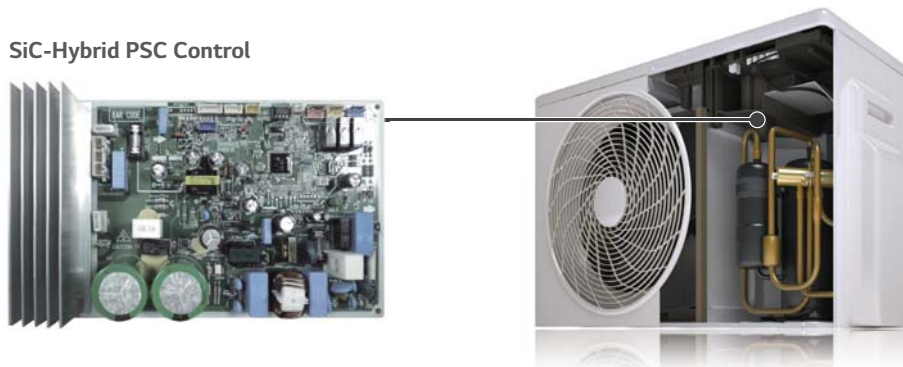
The Input power of 4-way valve has been reduced to 0W by using a Bi-Stable type.



• 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.

SiC-Hybrid PSC Control





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.

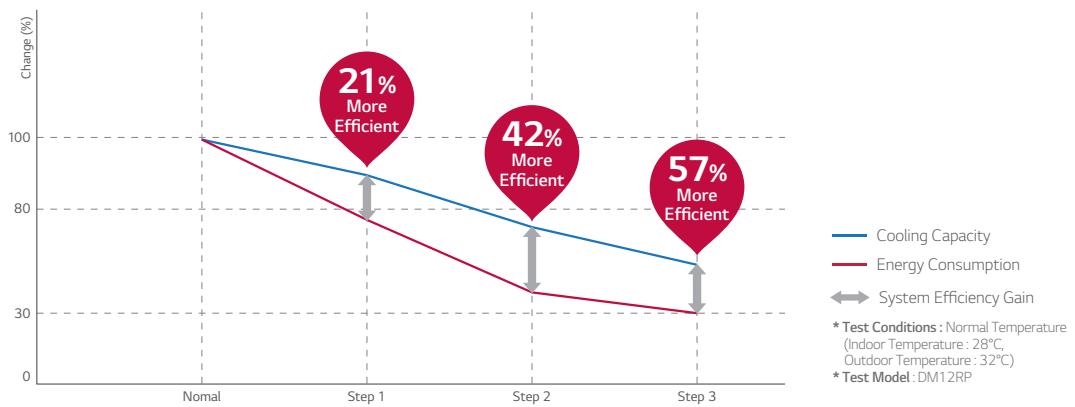
* Depending on the experimental conditions.

* 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.



WALL MOUNTED KEY FEATURES

ENERGY EFFICIENCY



Energy Display

LG's Energy Display panel monitors the amount of energy levels used. Save on energy consumption while enjoying the cooling by checking your energy level on the panel.

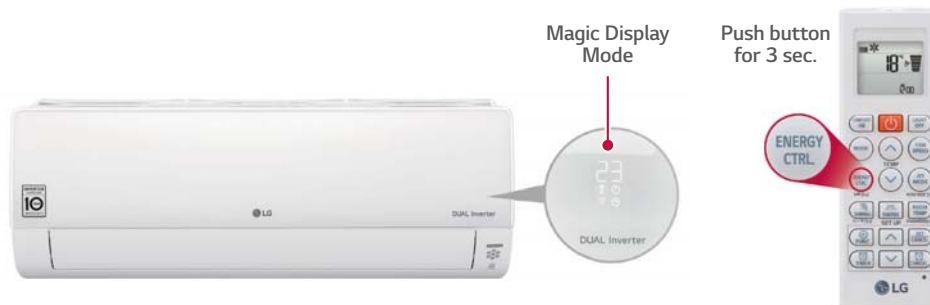
* Specifications may vary for each model.

* 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



• Additional Benefit

Fan Speed

| Display | Speed |
|---------|-------------|
| F5 | High |
| F4 | Medium-High |
| F3 | Medium |
| F2 | Medium-Low |
| F1 | Low |

Sleep Mode



For example, setting 1 hr

WALL MOUNTED KEY FEATURES

PERFECT HEALTHCARE

Plasmaster™ Ionizer^{PLUS}

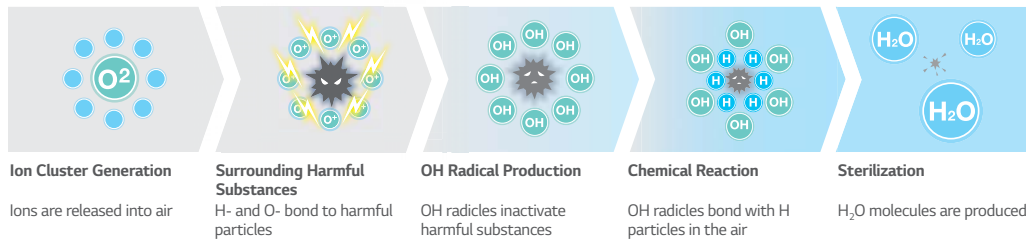
The powerful plasma ionizer protects you from bad odors and harmful and contagious particles in the air with over 3 million ions to sterilize not only the air passing through the air conditioner, but also surrounding surfaces for a safer, and cleaner environment.

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

• How It Works

Sterilization and Deodorization (Utilizes Over 3 Million Ions)

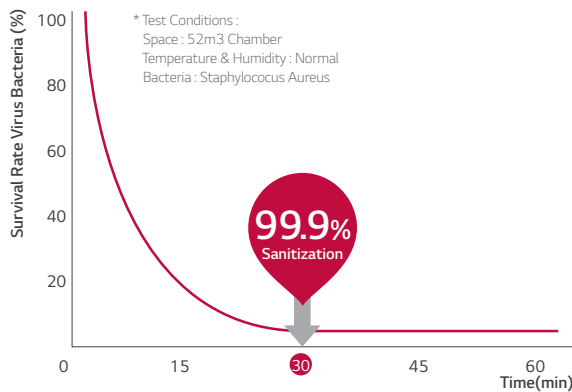
Plasmaster Ionizer+ reduces harmful and contagious microscopic particles by infusing the air passing through the air conditioner with over 3 million ions.



• Test Result

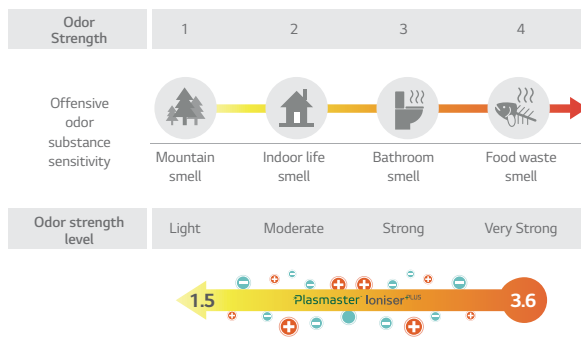
Sterilization Performance Evaluations

Sterilize Bacteria (E.coli colon bacillus) over 99.9% in 30 min.



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

WALL MOUNTED KEY FEATURES

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 10µm in size, is the first line of defense and hindrance 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.





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

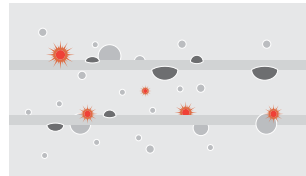
The main cause of odor within air conditioners is mold and bacteria growing on the heat exchanger. These germs can spread when the heat exchanger is wet.



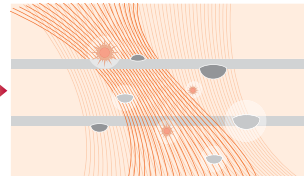
• How It Works

Cleans Filter with Regular Airflow

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



By dehumidifying, the auto cleaning function eliminates substances that might be harmful.



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

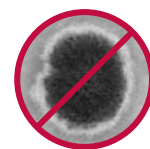
Auto Cleaning provides clean air by preventing bacteria, mold and odors that can otherwise accumulate in an indoor unit.



Bacteria Prevention



Odor Elimination



Mold Elimination

WALL MOUNTED KEY FEATURES

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

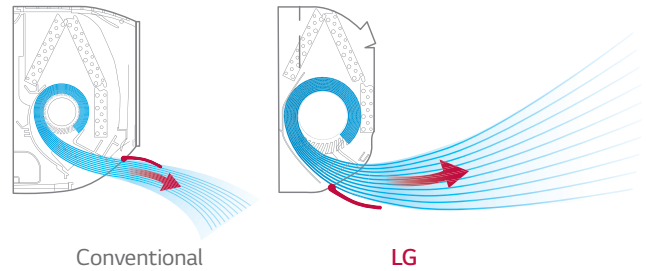
Bigger Skew Fan

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



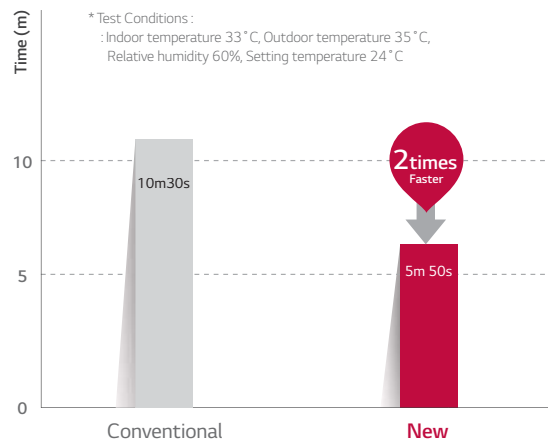
Cooling Outlet

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

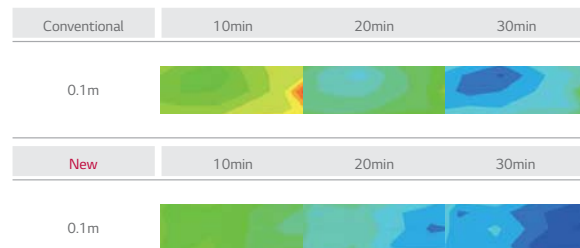


• Test Result

Test Result



Changes in Temperature Over 30 Minutes



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



Jet Cool

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

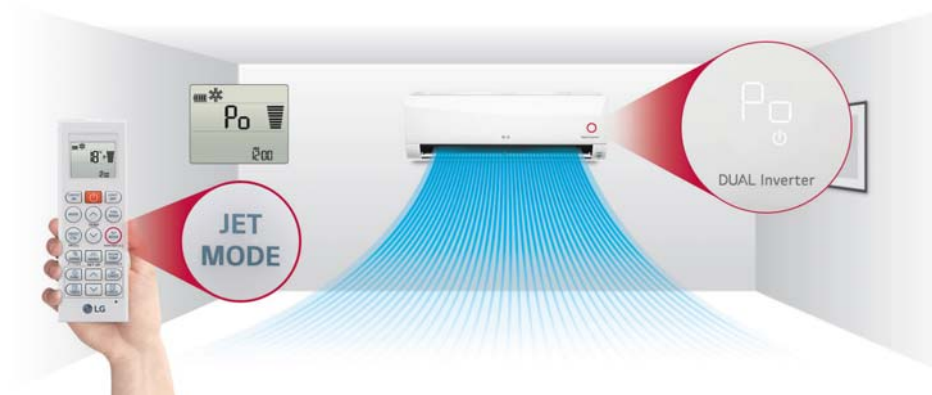
* Specifications may vary for each model.

* Depending on the experimental conditions.

• How It Works

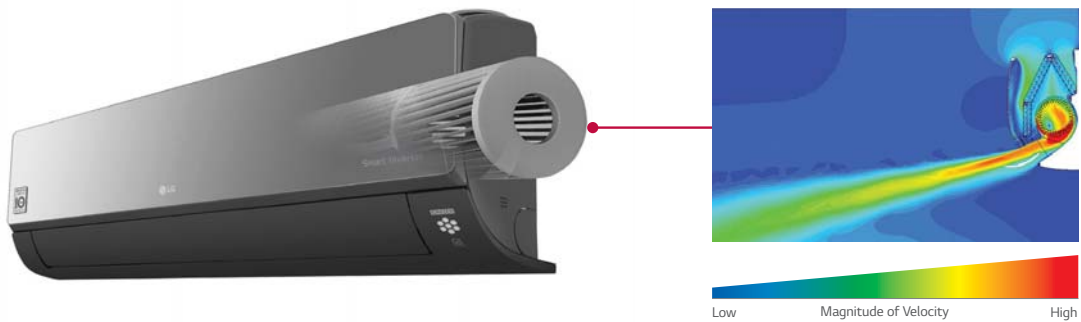
One Click "Jet Mode"

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.



WALL MOUNTED KEY FEATURES

FAST COOLING & HEATING



4-Way Swing

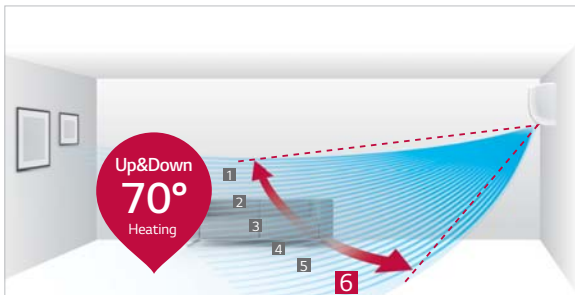
Cool air reaches out to the entire room regardless of where the air conditioner is installed

* 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.



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

5-Step Louver, Control up to 55°

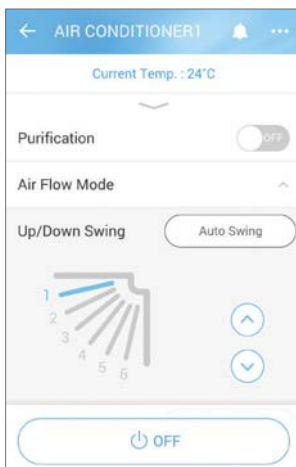
The louver, which sways left and right, has 5 different settings including full auto-swing.



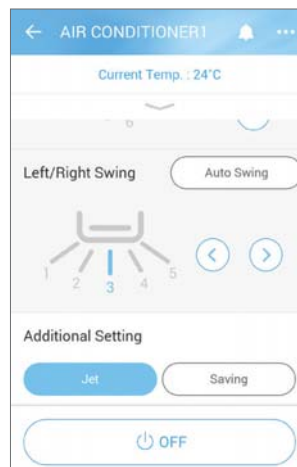
• Easy and Simple Control

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

Up/Down Swing



Left/Right Swing





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.

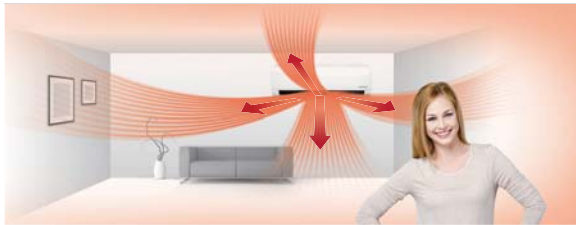
* Specifications may vary for each model.

* Depending on the experimental conditions.

• How It Works

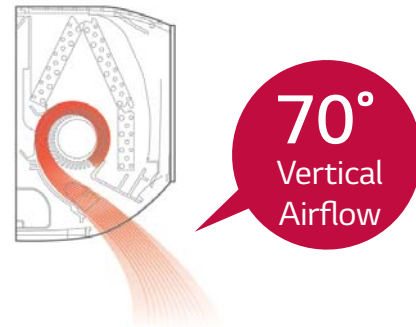
4 way Auto Swing (Easy Airflow Control)

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.



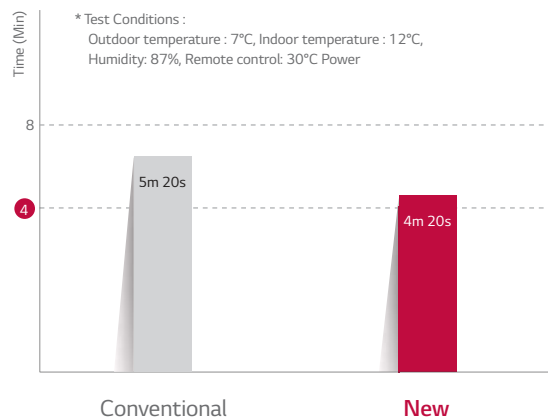
Vertical Airflow

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

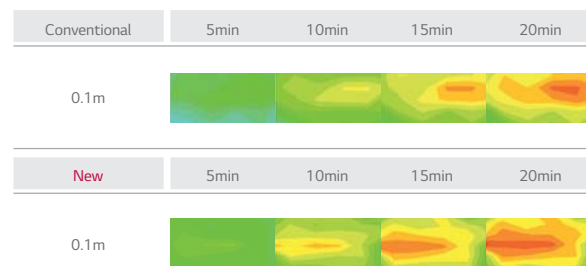


• Benefit & Test Result

22% Quick Heating



Changes in Temperature Over 20 Minutes



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

WALL MOUNTED KEY FEATURES

EXTREME DURABILITY



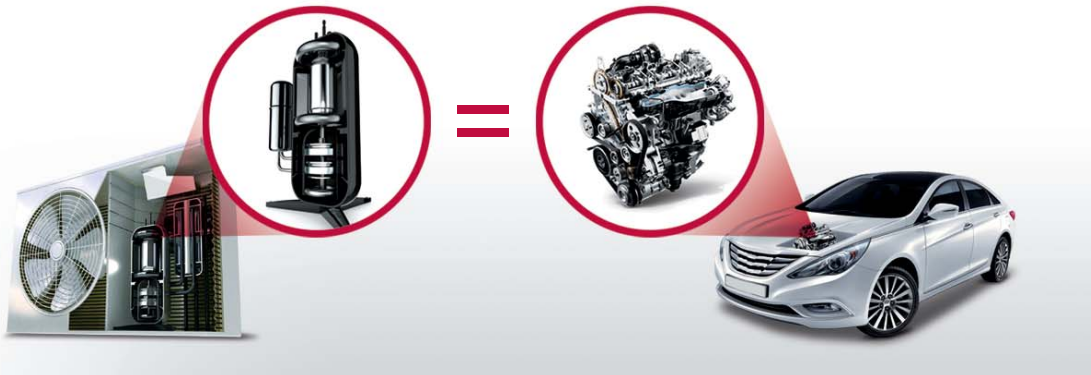
10-Year Inverter Compressor Warranty

LG, with confidence in product quality, preserves is better lives for customers by providing 10 years warranty for Inverter Compressor of Air conditioners.

* Specifications may vary for each model.

• What is the 10 Year Warranty?

The compressors is for the Air Conditioner what the engine is to the vehicle. With the 10 year warranty on the compressor, users can avail of the benefits of LG air conditioner for a longer period on 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





Gold Fin™

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

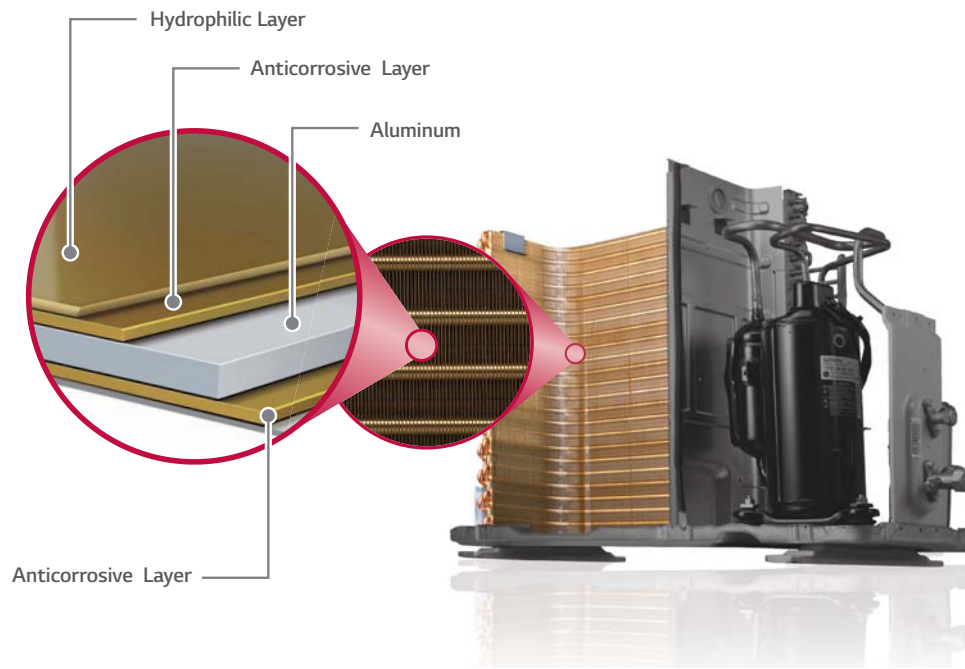
* Specifications may vary for each model.

* Depending on the experimental conditions.

• How It Works

Crosscut View of Heat Exchanger

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

WALL MOUNTED KEY FEATURES

COMFORT



Comfort Air

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

If the air conditioner remains ON while asleep, it can lower body temperature or cause discomfort, especially if the outflow of cool air is directly close to the room's occupants. This can be eliminated by the Comfort Air vane angle thus providing a comfortable environment to the sleeping occupants.

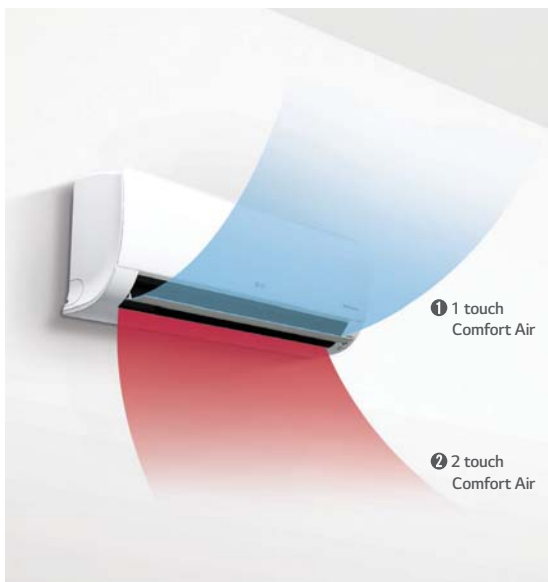
• How It Works

Control Panel



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 70° angle.

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

Indoor Unit Display



Remote Controller Display



Scene 2: Declines to a maximum 0° angle.

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

Indoor Unit Display



Remote Controller Display





Low Noise

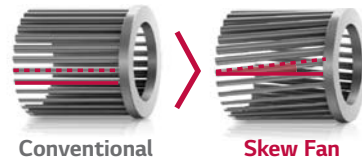
LG Air Conditioners operate at 19dB low noise level, moreover provide healthy soft air by just 1 touch.

* 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 peak noise are reduced to a level that is among the lowest in the world.



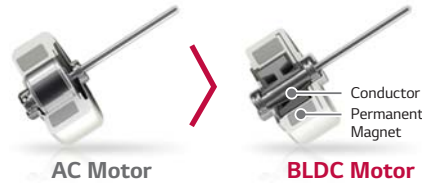
Conventional

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

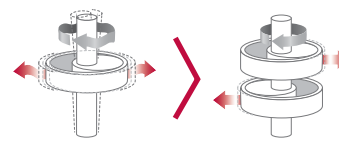
- Low Efficiency.
- Heat Problem during overhauling.
- Difficult precise speed control.

- 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.

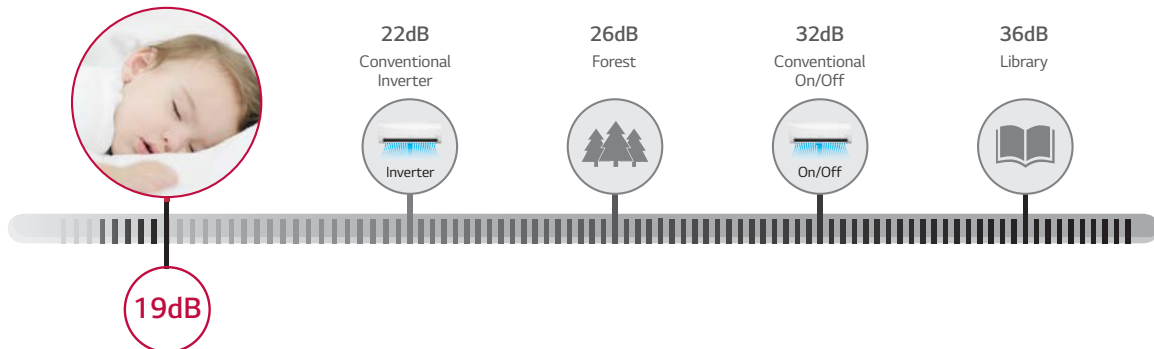


Single Rotary

Inverter

40%
Cut Torque
Variation

• Benefit



WALL MOUNTED KEY FEATURES

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.

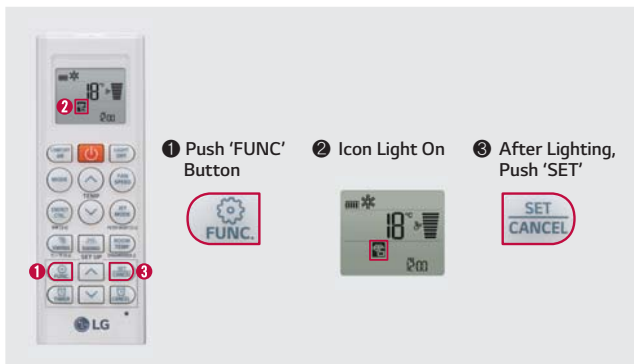
* Depending on the experimental conditions.

* 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

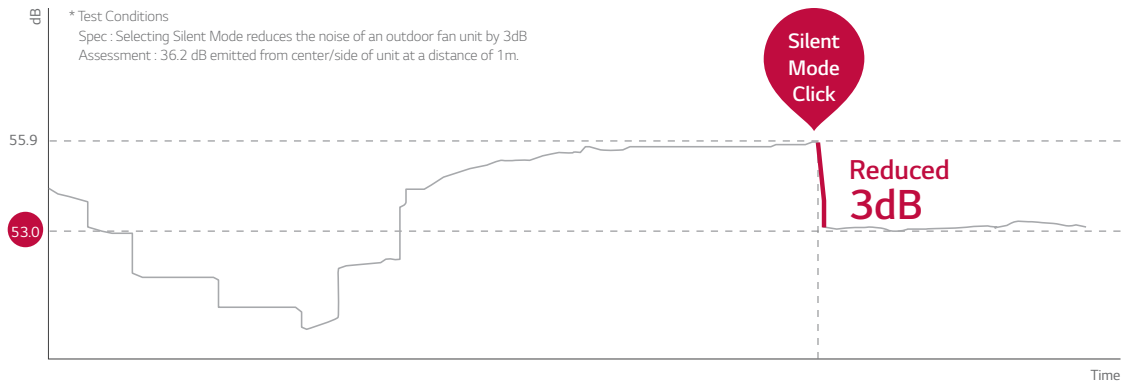


Controls the Outdoor Compressor



• Test Result

Noise Comparison Graph





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

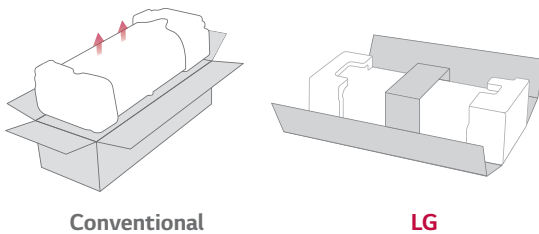
* Specifications may vary for each model.

• 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

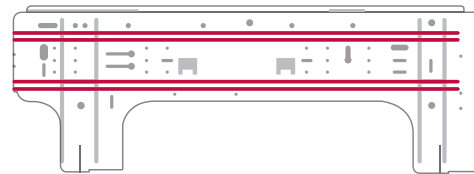


Conventional

LG

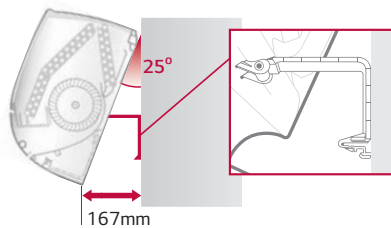
Installation Plate Improvement

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



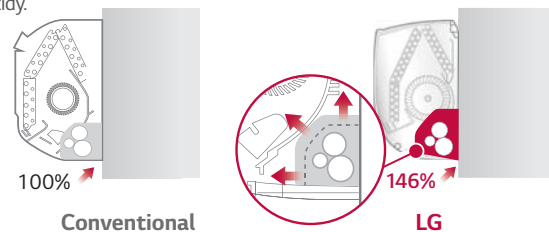
Installation Support Clip

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.

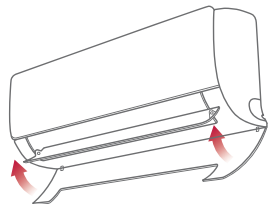


Conventional

LG

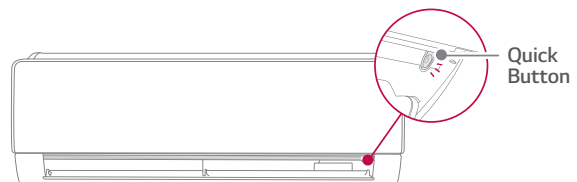
Detachable Bottom Cover

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.



WALL MOUNTED SPECIFICATION

PRESTIGE



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



Active Energy Control



Plasmaster Ionizer^{PLUS}



Dual Protection Filter



Plasmaster Auto Cleaning



Jet Cool



4 Way Swing



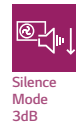
Fast Heating



Gold Fin™



Low Noise 17dB



Silence Mode 3dB



Quick & Easy Installation

• Single Combination

| UNIT INDOOR | | | | 9K H09AP.NSM | 12K H12AP.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 +7°C | Rated | W | 593 | 785 |
| | | | W/W | 5.10 | 4.20 |
| EER | | | 9.4 | 9.1 | |
| S.E.E.R. | | | 2.5 | 3.5 | |
| P design C | | | 5.4 | 5.1 | |
| COP | | | 5.2 | 5.1 | |
| S.C.O.P | | | 3.2 | 3.8 | |
| P design H | | | | | |
| Energy Label | Cooling (A+++ to D Scale) | | A+++ | A+++ | |
| | Heating (A+++ to D Scale) | | A+++ | A+++ | |
| Annual Energy Consumption | Cooling | | kWh | 94 | 135 |
| | Heating | | kWh | 862 | 1045 |
| Sound Pressure | Cooling | S/L/M/H | dB(A) | 19/29/37/42 | 19/29/37/42 |
| | Heating | L/M/H | dB(A) | 29/37/42 | 29/37/42 |
| Sound Power | Cooling | High | dB(A) | 60 | 60 |
| | Heating | S/L/M/H | m³/min | 6.6/8.7/11.1/12.4 | 6.6/8.7/11.1/12.4 |
| Air Flow Rate | Max (Power) | | m³/min | 15.5 | 15.5 |
| | Heating | L/M/H | m³/min | 8.7/11.1/14.3 | 8.7/11.1/14.3 |
| Dehumidification Rate | | | l/h | 1.5 | 1.7 |
| | Running Current | Cooling | Rated/Max | A | 3.9/6.0 |
| Starting Current | Heating | Rated/Max | A | 2.9/3.7 | 7.4/7.4 |
| | Cooling | Rated | A | 2.5 | 3.9 |
| Power Supply | Heating | Rated | A | 2.9 | 3.7 |
| | Circuit Breaker | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Power Supply Cable | | | A | 15 | 15 |
| Power & Transmission Cable | | | N x mm² | 3*1.0 | 3*1.0 |
| Dimension | | | N x mm² | 4*1.0 (Including Earth) | 4*1.0 (Including Earth) |
| Net Weight | | | mm | 875*295*235 | 875*295*235 |
| Fan Motor Output | | | kg | 11.0 | 11.0 |
| | | | W | 30 | 30 |
| OUTDOOR | | | | H09AP.U24 | H12AP.U24 |
| Operation Range | Cooling | Min-Max | °CDB | -10-48 | -10-48 |
| | Heating | Min-Max | °CDB | -25-24 | -25-24 |
| Sound Pressure | Cooling | High | dB(A) | 48 | 48 |
| | Heating | High | dB(A) | 50 | 50 |
| Sound Power | Cooling | High | dB(A) | 65 | 65 |
| | Heating | High | dB(A) | 49 | 49 |
| Air Flow Rate | Length (Odu/Idu) | Min | m | 3 | 3 |
| | Max | | m | 20 | 20 |
| Piping | Elevation (Odu/Idu) | Max | m | 10 | 10 |
| | Liquid | OD(Outside) | mm | 6.35 | 6.35 |
| Piping Connection | | OD(Outside) | inch | (1/4) | (1/4) |
| | Gas | OD(Outside) | mm | 9.52 | 9.52 |
| | | OD(Outside) | inch | (3/8) | (3/8) |
| | Drain | OD(Outside) | mm | 21.5 | 21.5 |
| | | OD(Outside) | inch | 0.85 | 0.85 |
| Refrigerant | Type | | | R410A | R410A |
| | Charge at 7.5m | | g | 1,150 | 1,150 |
| | Additional charge | | g/m | 2.40 | 2.40 |
| | GWP | | | 20 | 20 |
| Fan Motor Output | Additional charge | | g/m | 2087.5 | 2087.5 |
| | Compressor Type | | | 85 | 85 |
| Net Weight | | | | Twin Rotary | Twin Rotary |
| | Dimension | | | 43 | 43 |
| | | | mm | 870*650*330 | 870*650*330 |

* This product contains Fluorinated greenhouse gases (R410A).

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

*** Specification, design and feature are subject to change without prior notice.

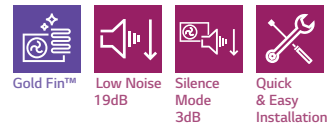
WALL MOUNTED SPECIFICATION

ARTCOOL STYLIST

RESIDENTIAL



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



• Single Combination

| UNIT | | | | 9K | 12K |
|----------------------------|--------------------------|----------------------|---------------------|------------------------|------------------------|
| INDOOR | | | | G09WL.NS3 | G12WL.NS3 |
| Capacity | Cooling | Min/Rated/Max | W | 1300/2500/3500 | 1300/3500/4000 |
| | Heating | Min/Rated/Max | W | 1300/3000/4200 | 1300/3500/5000 |
| Power Input | Heating -7°C | Rated | W | 3200 | 3700 |
| | Cooling | Rated | W | 690 | 1090 |
| EER | Heating +7°C | Rated | W | 830 | 970 |
| | | | W/W | 3.61 | 3.21 |
| S.E.E.R. | | | | 5.70 | 5.60 |
| P design C | | | kW | 2.50 | 3.50 |
| COP | | | W/W | 3.61 | 3.61 |
| S.C.O.P. | | | | 3.80 | 3.80 |
| P design H | | | kW | 2.70 | 3.30 |
| Energy Label | Cooling (A++ to E Scale) | | | A+ | A+ |
| | Heating (A++ to E Scale) | | | A | A |
| Annual Energy Consumption | Cooling | | kWh | 170 | 220 |
| | Heating | | kWh | 1100 | 1224 |
| Power Supply | | | Ø / V /Hz | 1/220-240/50 | 1/220-240/50 |
| Sound Pressure | Cooling | S/L/M/H | dB(A) | 19/29/34/39 | 19/29/34/39 |
| | Heating | S/L/M/H | dB(A) | 32/35/39 | 32/35/39 |
| Sound Power | Cooling | High | dB(A) | 60 | 60 |
| | Cooling | Max (Power) | m ² /min | 9.7 | 10.5 |
| Air Flow Rate | Cooling | S/L/M/H | m ³ /min | 4.5/6.0/7.0/8.0 | 4.5/6.0/7.0/8.0 |
| | Heating | L/M/H | m ³ /min | 6.6/7.5/8.5 | 6.6/7.5/8.5 |
| Dehumidification Rate | | | l/h | 1.2 | 1.5 |
| Running Current | Cooling | Rated/Max | A | 4.0/6.0 | 5.0/6.0 |
| | Heating | Rated/Max | A | 4.0/7.0 | 4.5/7.0 |
| Starting Current | Cooling | Rated | A | 4.0 | 5.0 |
| | Heating | Rated | A | 4.0 | 4.5 |
| Circuit Breaker | | | A | 15 | 15 |
| Power Supply Cable | | | N x mm ² | 3*1.0 | 3*1.0 |
| Power & Transmission Cable | | | N x mm ² | 4*1.0(Including Earth) | 4*1.0(Including Earth) |
| Dimension | | | mm | 645*645*121 | 645*645*121 |
| Net Weight | | | kg | 18 | 18 |
| Fan Motor Output | | | W | 32.7 | 32.7 |
| OUTDOOR | | | | G09WL.U12 | G12WL.U12 |
| Operation Range | Cooling | Min-Max | °CDB | -10-48 | -10-48 |
| | Heating | Min-Max | °CDB | -15-24 | -15-24 |
| Sound Pressure | Cooling | High | dB(A) | 45 | 45 |
| | Heating | High | dB(A) | 45 | 45 |
| Sound Power | Cooling | High | dB(A) | 65 | 65 |
| | Cooling | High | m ² /min | 33 | 33 |
| Piping | Length (Odu/Idu) | Min | m | - | - |
| | | Max | m | 15 | 15 |
| | Elevation (Odu/Idu) | Max | m | 10 | 10 |
| Piping Connection | Liquid | OD(Outside) | mm | 6.35 | 6.35 |
| | | | inch | 1/4 | 1/4 |
| | | | mm | 9.52 | 9.52 |
| | Gas | OD(Outside) | inch | 3/8 | 3/8 |
| | | | mm | 21.5 | 21.5 |
| | | | inch | 0.85 | 0.85 |
| Refrigerant | Type | | R410A | R410A | |
| Charge at 7.5m | | g | 1000 | 1000 | |
| | | t-CO ₂ eq | 2.09 | 2.09 | |
| | Additional charge | g/m | 20 | 20 | |
| GWP | | | 2087.5 | 2087.5 | |
| Fan Motor Output | | W | 43 | 43 | |
| Compressor Type | | | Rotary | Rotary | |
| Net Weight | | kg | 34 | 34 | |
| Dimension | | mm | 770*545*288 | 770*545*288 | |

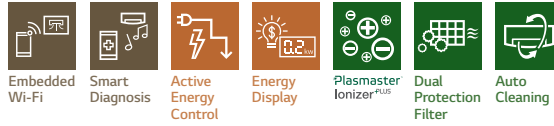
* This product contains Fluorinated greenhouse gases (R410A).

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

*** Specification, design and feature are subject to change without prior notice.

WALL MOUNTED SPECIFICATION

ARTCOOL (R410A)



* ARTCOOL models may contain preliminary data



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



• Single Combination

| UNIT | | | | 9K | 12K | 18K |
|----------------------------|--------------------------|---------------------|---------------------|---------------------|-------------------------|---------------------------|
| INDOOR | | | | AM09BPNSJ | AM12BPNSJ | AM18BPNSK |
| Capacity | Cooling | Min/Rated/Max | W | 890/2500/3700 | 890/3500/4040 | 900/5000/5525 |
| | Heating +7°C | Min/Rated/Max | W | 890/3200/4100 | 890/3800/5100 | 900/5800/6438 |
| Power Input | Heating -7°C | Rated | W | 3000 | 3600 | 3800 |
| | Cooling | Rated | W | 670 | 1080 | 1587 |
| EER | Heating +7°C | Rated | W/W | 840 | 1000 | 1611 |
| | Cooling | Rated | W/W | 3.73 | 3.24 | 3.15 |
| S.E.E.R. | | | | 6.5 | 6.4 | 6.5 |
| P design C | | | | 2.5 | 3.5 | 5.0 |
| COP | | | | 3.81 | 3.80 | 3.60 |
| S.C.O.P. | | | | 4.0 | 4.0 | 4.0 |
| P design H | | | | 2.4 | 2.5 | 3.9 |
| Energy Label | Cooling (A++ to E Scale) | | | A++ | A++ | A++ |
| | Heating (A++ to E Scale) | | | A+ | A+ | A+ |
| Annual Energy Consumption | Cooling | | kWh | 134 | 191 | 269 |
| | Heating | | kWh | 840 | 875 | 1365 |
| Sound Pressure | Cooling | Sleep | dBA | 19 | 19 | 31 |
| | | Low | dBA | 27 | 27 | 34 |
| | | Medium | dBA | 35 | 35 | 39 |
| | Heating | High | dBA | 41 | 41 | 44 |
| | | Low | dBA | 27 | 27 | 34 |
| | | Medium | dBA | 35 | 35 | 39 |
| Sound Power | Cooling | High | dBA | 41 | 41 | 44 |
| | High | dBA | | 59 | 59 | 60 |
| Air Flow Rate | Cooling | Sleep | m ³ /min | 3.0 | 3.0 | 8.0 |
| | | Low | m ³ /min | 4.2 | 4.2 | 10.5 |
| | | Medium | m ³ /min | 7.5 | 7.5 | 13.0 |
| | Heating | High | m ³ /min | 10.0 | 10.0 | 14.5 |
| | | Max (Power) | m ³ /min | 11.5 | 12.5 | 15.5 |
| | | Low | m ³ /min | 5.6 | 5.6 | 11.0 |
| Dehumidification Rate | Medium | m ³ /min | | 7.2 | 7.2 | 13.5 |
| | High | m ³ /min | | 10.0 | 10.0 | 16.0 |
| Running Current | Cooling | Rated | A | 1.1 | 1.3 | 1.8 |
| | Heating | Rated | A | 3.0 | 4.7 | 6.9 |
| Starting Current | Max | A | | 6.0 | 6.0 | 9.0 |
| | Rated | A | | 3.7 | 4.5 | 7.1 |
| Power Supply | Cooling | Max | A | 7.0 | 7.0 | 9.5 |
| | Heating | Rated | A | 3.0 | 4.7 | 6.9 |
| Circuit Breaker | | | | 4.5 | 4.5 | 7.1 |
| Power Supply Cable | | | | Ø / V /Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Power & Transmission Cable | | | | A | 15 | 20 |
| Dimension | | | | N x mm ² | 3*1.0 | 3 x 1.5 |
| Net Weight | | | | N x mm ² | 4*1.0 (Including Earth) | 4 x 1.0 (Including Earth) |
| Fan Motor Output | | | | mm | 837*308*192 | 837*308*192 |
| | | | | kg | 9.9 | 9.9 |
| | | | | W | 30 | 30 |
| OUTDOOR | | | | AM09BPUA3 | AM12BPUA3 | AM18BPUL2 |
| 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 | 49 | 49 | 53 |
| | Heating | High | dBA | 50 | 50 | 55 |
| Sound Power | Cooling | High | dBA | 65 | 65 | 65 |
| | High | dBA | | 59 | 59 | 60 |
| Air Flow Rate | Cooling | High | m ³ /min | 27 | 27 | 35 |
| | High | m ³ /min | | 27 | 27 | 35 |
| Piping | Length (Odu/Idu) | Min | m | 3 | 3 | 3 |
| | Max | m | | 15 | 15 | 20 |
| Piping Connection | Elevation (Odu/Idu) | Max | m | 7 | 7 | 10 |
| | Liquid | Max | m | 7 | 7 | 10 |
| Refrigerant | OD(Outside) | mm | | 6.35 | 6.35 | 6.35 |
| | OD(Outside) | inch | | (1/4) | (1/4) | (1/4) |
| | Gas | mm | | 9.52 | 9.52 | 12.7 |
| | OD(Outside) | inch | | (3/8) | (3/8) | (1/2) |
| Fan Motor Output | Drain | mm | | 21.5 | 21.5 | 21.5 |
| | OD(Outside) | inch | | 0.85 | 0.85 | 0.85 |
| Compressor Type | Type | | | R410A | R410A | R410A |
| | Charge at 7.5m | g | | 950 | 950 | 1200 |
| Net Weight | Additional charge | g/m | | 1.98 | 1.98 | 2.51 |
| | GWP | | | 20 | 20 | 20 |
| Dimension | Compressor Type | | | 2087.5 | 2087.5 | 2087.5 |
| | W | | | 43 | 43 | 43 |
| Net Weight | Compressor Type | | | 1P Rotary | 1P Rotary | Twin Rotary |
| | kg | | | 29 | 29 | 36.7 |
| Dimension | mm | | | 717*483*230 | 717*483*230 | 770*545*288 |

* This product contains Fluorinated greenhouse gases (R410A).

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

*** Specification, design and feature are subject to change without prior notice.

**** Artcool: preliminary specification

WALL MOUNTED SPECIFICATION

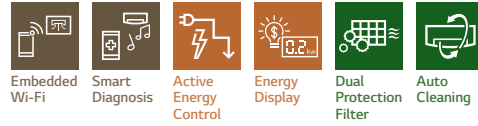
ARTCOOL (R32)



RESIDENTIAL



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



• Single Combination

| UNIT | | | | 9K | 12K | 18K |
|----------------------------|--------------------------|---------------|---------------------|-------------------------|-------------------------|---------------------------|
| INDOOR | | | | AC09BQ.NSJ | AC12BP.NSJ | AC18BP.NSK |
| Capacity | Cooling | Min/Rated/Max | W | 890/2500/3700 | 890/3500/4040 | 900/5000/5500 |
| | Heating +7°C | 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 +7°C | Rated | W | 800 | 1050 | 1611 |
| | | | W/W | 3.81 | 3.24 | 3.20 |
| E.E.E.R. | | | 7.0 | 6.6 | 7.0 | |
| P design C | | | 2.5 | 3.5 | 5.0 | |
| COP | | W/W | 4.13 | 3.81 | 3.60 | |
| S.C.O.P. | | | 4.0 | 4.0 | 4.3 | |
| P design H | | | 2.5 | 2.5 | 3.9 | |
| Energy Label | Cooling (A++ to E Scale) | | A++ | A++ | A++ | |
| | Heating (A++ to E Scale) | | A+ | A+ | A+ | |
| Annual Energy Consumption | Cooling | | kWh | 125 | 186 | 250 |
| | Heating | | kWh | 875 | 875 | 1270 |
| | | Sleep | kWh | 19 | 31 | 42 |
| Sound Pressure | Cooling | Low | dB(A) | 27 | 27 | 34 |
| | | Medium | dB(A) | 35 | 35 | 39 |
| | | High | dB(A) | 41 | 41 | 44 |
| | Heating | Low | dB(A) | 27 | 27 | 34 |
| | | Medium | dB(A) | 35 | 35 | 39 |
| | | High | dB(A) | 41 | 41 | 44 |
| Sound Power | Cooling | High | dB(A) | 59 | 60 | 60 |
| | | Sleep | m ² /min | 3.0 | 3.0 | 8.0 |
| | | Low | m ² /min | 4.2 | 4.2 | 10.5 |
| Air Flow Rate | Cooling | Medium | m ³ /min | 7.5 | 7.5 | 13.0 |
| | | High | m ³ /min | 10.0 | 10.0 | 14.5 |
| | | Max (Power) | m ³ /min | 12.5 | 12.5 | 15.5 |
| | Heating | Low | m ³ /min | 5.6 | 5.6 | 11.0 |
| | | Medium | m ³ /min | 7.2 | 7.2 | 13.5 |
| | | High | m ³ /min | 10.0 | 10.0 | 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 |
| Starting Current | Cooling | Rated | A | 7.0 | 7.0 | 9.5 |
| | | Max | A | 3.3 | 4.7 | 6.9 |
| | Heating | Rated | A | 4.0 | 4.7 | 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*1.0 | 3*1.0 | 3 x 1.5 |
| Power & Transmission Cable | | | N x mm ² | 4*1.0 (Including Earth) | 4*1.0 (Including Earth) | 4 x 1.0 (Including Earth) |
| Dimension | | | mm | 837*308*189 | 837*308*189 | 998*345*210 |
| Net Weight | | | kg | 8.7 | 8.7 | 11.9 |
| Fan Motor Output | | | W | 30 | 30 | 30 |
| OUTDOOR | | | | AC09BQ.UA3 | AC12BP.UA3 | AC18BP.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 | dB(A) | 48 | 48 | 53 |
| | Heating | High | dB(A) | 50 | 50 | 55 |
| Sound Power | Cooling | High | dB(A) | 65 | 65 | 65 |
| Air Flow Rate | Cooling | High | m ³ /min | 27 | 27 | 35 |
| Piping | Length (Odu/Idu) | Min | m | 3 | 3 | 3 |
| | | Max | m | 15 | 15 | 20 |
| | Elevation (Odu/Idu) | Max | m | 7 | 7 | 10 |
| Piping Connection | Liquid | OD(Outside) | mm | 6.35 | 6.35 | 6.35 |
| | | inch | (1/4) | (1/4) | (1/4) | |
| | Gas | OD(Outside) | mm | 9.52 | 9.52 | 12.7 |
| | | inch | (3/8) | (3/8) | (1/2) | |
| | Drain | OD(Outside) | mm | 21.5 | 21.5 | 21.5 |
| | | inch | OD(Outside) | 0.85 | 0.85 | 0.85 |
| Refrigerant | Type | | g | R32 | R32 | R32 |
| | Charge at 7.5m | | g | 700 | 700 | 1000 |
| | Additional charge | | g/m | 0.47 | 0.47 | 0.68 |
| | GWEP | | g/m | 20 | 20 | 20 |
| Fan Motor Output | | | W | 675 | 675 | 675 |
| Compressor Type | | | | 43 | 43 | 43 |
| Net Weight | | | kg | Twin Rotary | Twin Rotary | Twin Rotary |
| Dimension | | | mm | 25.1 | 25.1 | 34.4 |
| | | | | 717*483*230 | 717*483*230 | 770*545*288 |

* This product contains Fluorinated greenhouse gases (R32).

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

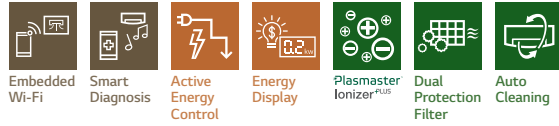
*** Specification, design and feature are subject to change without prior notice.

WALL MOUNTED SPECIFICATION

DELUXE (R410A)



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



• Single Combination

| UNIT | | | 9K | 12K | 18K | 24K | |
|----------------------------|--------------------------|---------------------|-------------------------|-------------------------|---------------------------|---------------------------|-------|
| INDOOR | | | DM09RPN SJ | DM12RPN SJ | DM18RPN SK | DM24RPN SK | |
| Capacity | Cooling | Min/Rated/Max | 890/2500/3700 | 890/3500/4040 | 900/5000/5525 | 900/6600/7420 | |
| | Heating +7°C | Min/Rated/Max | 890/3200/5000 | 890/4000/6000 | 900/5800/6438 | 900/7500/8640 | |
| | Heating -7°C | Rated | 3200 | 3800 | 3800 | 4850 | |
| Power Input | Cooling | Rated | 556 | 898 | 1,562 | 2,275 | |
| | Heating +7°C | Rated | 712 | 975 | 1,611 | 2,238 | |
| EER | | W/W | 4.5 | 3.9 | 3.2 | 2.9 | |
| S.E.E.R. | | | 7.7 | 7.6 | 7.0 | 6.5 | |
| 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. | | | 4.6 | 4.6 | 4.2 | 4.0 | |
| P design H | | kW | 2.8 | 2.9 | 4.1 | 5.0 | |
| Energy Label | Cooling (A++ to E Scale) | | A++ | A++ | A++ | A++ | |
| | Heating (A++ to E Scale) | | A++ | A++ | A+ | A+ | |
| Annual Energy Consumption | Cooling | kWh | 114 | 162 | 250 | 356 | |
| | Heating | kWh | 853 | 883 | 1,367 | 1,770 | |
| Sound Pressure | Cooling | Sleep | 19 | 19 | 31 | 31 | |
| | | Low | 24 | 24 | 34 | 34 | |
| | | Medium | 35 | 35 | 39 | 42 | |
| | Heating | High | 40 | 40 | 44 | 47 | |
| | | Low | 24 | 24 | 34 | 34 | |
| | | Medium | 35 | 35 | 39 | 42 | |
| Sound Power | Cooling | High | 40 | 40 | 44 | 47 | |
| | High | dBA | 60 | 60 | 60 | 65 | |
| Air Flow Rate | Cooling | Sleep | 3.5 | 3.5 | 8.0 | 8.0 | |
| | | Low | m ³ /min | 5.5 | 5.5 | 10.5 | 10.5 |
| | | Medium | m ³ /min | 9.0 | 9.0 | 13.0 | 13.1 |
| | Heating | High | m ³ /min | 11.0 | 11.0 | 14.5 | 16.1 |
| | | Max (Power) | m ³ /min | 13.0 | 13.0 | 15.5 | 20.0 |
| | | Low | m ³ /min | 6.5 | 6.5 | 11.0 | 11.0 |
| Dehumidification Rate | Medium | m ³ /min | 9.0 | 9.0 | 13.5 | 15.0 | |
| | High | m ³ /min | 11.0 | 11.0 | 16.0 | 18.5 | |
| Running Current | Cooling | Rated | 1.1 | 1.3 | 1.8 | 2.5 | |
| | Max | A | 2.5 | 4.0 | 6.9 | 10.1 | |
| Starting Current | Max | A | 6.0 | 6.0 | 9 | 14.0 | |
| | Rated | A | 3.2 | 4.3 | 7.1 | 10.4 | |
| Power Supply | Cooling | Max | 7.0 | 7.0 | 9.5 | 14.0 | |
| | Rated | A | 2.5 | 4.0 | 6.9 | 10.1 | |
| Circuit Breaker | Cooling | Rated | 3.2 | 4.3 | 7.1 | 10.4 | |
| | Rated | A | 3.2 | 4.3 | 7.1 | 10.4 | |
| Power Supply Cable | | Ø / V /Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | |
| Power & Transmission Cable | | A | 15 | 15 | 20 | 25 | |
| Dimension | | N x mm ² | 3*1.0 | 3*1.0 | 3 x 1.5 | 3 x 2.5 | |
| Net Weight | | N x mm ² | 4*1.0 (Including Earth) | 4*1.0 (Including Earth) | 4 x 1.0 (Including Earth) | 4 x 1.0 (Including Earth) | |
| Fan Motor Output | | mm | 837*308*189 | 837*308*189 | 998*345*210 | 998*345*210 | |
| | | kg | 8.3 | 8.3 | 12 | 12 | |
| | | W | 30 | 30 | 60 | 60 | |
| OUTDOOR | | | DM09RPU L2 | DM12RPU L2 | DM18RPU L2 | DM24RPU UE | |
| Operation Range | Cooling | Min-Max | -15-48 | -15-48 | -15-48 | -15-48 | |
| | Heating | Min-Max | -15-24 | -15-24 | -10-24 | -10-24 | |
| Sound Pressure | Cooling | High | 47 | 47 | 53 | 56 | |
| | Heating | High | 48 | 48 | 55 | 57 | |
| Sound Power | Cooling | High | 65 | 65 | 65 | 70 | |
| | High | dBA | 65 | 65 | 65 | 70 | |
| Air Flow Rate | Cooling | High | 35 | 35 | 35 | 50 | |
| | High | m ³ /min | 35 | 35 | 35 | 50 | |
| Piping | Length (Odu/Idu) | Min | 3 | 3 | - | - | |
| | Max | m | 20 | 20 | 20 | 30 | |
| Piping Connection | Elevation (Odu/Idu) | Max | 10 | 10 | 10 | 15 | |
| | | Max | m | 10 | 10 | 10 | |
| | Liquid | OD(Outside) | mm | 6.35 | 6.35 | 6.35 | 6.35 |
| | | inch | (1/4) | (1/4) | (1/4) | (1/4) | |
| | Gas | OD(Outside) | mm | 9.52 | 9.52 | 12.7 | 15.88 |
| | | inch | (3/8) | (3/8) | (1/2) | (5/8) | |
| Drain | OD(Outside) | mm | 21.5 | 21.5 | 21.5 | 21.5 | |
| | inch | OD(Outside) | 0.85 | 0.85 | 0.85 | 0.85 | |
| Refrigerant | Type | | R410A | R410A | R410A | R410A | |
| | Charge at 7.5m | g | 1,000 | 1,000 | 1,250 | 1,350 | |
| | Additional charge | g/m | 2.09 | 2.09 | 2.61 | 2.82 | |
| | GWP | | 20 | 20 | 20 | 30 | |
| Fan Motor Output | | W | 2087.5 | 2087.5 | 2087.5 | 2087.5 | |
| Compressor Type | | | 43 | 43 | 43 | 85 | |
| Net Weight | | kg | 1P Rotary | 1P Rotary | Twin Rotary | Twin Rotary | |
| Dimension | | mm | 30.5 | 36.2 | 36.2 | 46.4 | |
| | | | 770*545*288 | 770*545*288 | 770*545*288 | 870*655*320 | |

* This product contains Fluorinated greenhouse gases (R410A).

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

*** Specification, design and feature are subject to change without prior notice.

WALL MOUNTED SPECIFICATION

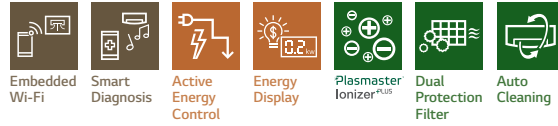
DELUXE (R32)



RESIDENTIAL



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



• Single Combination

| UNIT | | | | 9K | 12K | 18K |
|----------------------------|---------------------------|-------------------|----------------------|-------------------------|-------------------------|---------------------------|
| INDOOR | | | | DC09RQ.NSJ | DC12RQ.NSJ | DC18RQ.NSK |
| Capacity | Cooling | Min/Rated/Max | W | 890/2500/3700 | 890/3500/4040 | 900/5000/5500 |
| | Heating +7°C | Min/Rated/Max | W | 890/3200/5000 | 890/4000/6000 | 900/5800/6400 |
| | Heating -7°C | Rated | W | 3200 | 3500 | 4200 |
| Power Input | Cooling | Rated | W | 572 | 933 | 1562 |
| | Heating +7°C | Rated | W | 711 | 976 | 1611 |
| | | | W/W | 4.37 | 3.75 | 3.20 |
| EER | | | | 7.9 | 7.6 | 7.0 |
| S.E.E.R. | | | | 2.5 | 3.5 | 5.0 |
| P design C | | | W/W | 4.5 | 4.1 | 3.60 |
| COP | | | | 4.6 | 4.6 | 4.3 |
| S.C.O.P. | | | | 2.8 | 2.9 | 3.9 |
| P design H | | | kW | 19 | 19 | 31 |
| Energy Label | Cooling (A++ to E Scale) | | | A++ | A++ | A++ |
| | Heating (A++ to E Scale) | | | A++ | A++ | A+ |
| | Annual Energy Consumption | | kWh | 111 | 161 | 250 |
| Sound Pressure | Cooling | Sleep | kWh | 852 | 883 | 1270 |
| | | Low | dB(A) | 27 | 27 | 34 |
| | | Medium | dB(A) | 37 | 37 | 39 |
| | Heating | High | dB(A) | 42 | 42 | 44 |
| | | Low | dB(A) | 27 | 27 | 34 |
| | | Medium | dB(A) | 37 | 37 | 39 |
| Sound Power | Cooling | High | dB(A) | 42 | 42 | 44 |
| | | Sleep | m ³ /min | 60 | 60 | 60 |
| | | Low | m ³ /min | 3.5 | 3.5 | 8.0 |
| Air Flow Rate | Cooling | Medium | m ³ /min | 5.5 | 5.5 | 10.5 |
| | | High | m ³ /min | 9.0 | 9.0 | 13.0 |
| | | Max (Power) | m ³ /min | 11.0 | 11.0 | 14.5 |
| | Heating | Low | m ³ /min | 13.0 | 13.0 | 15.5 |
| | | Medium | m ³ /min | 6.5 | 6.5 | 11.0 |
| | | High | m ³ /min | 9.0 | 9.0 | 13.5 |
| Dehumidification Rate | | High | m ³ /min | 11.0 | 11.0 | 16.0 |
| Running Current | Cooling | Rated | l/h | 1.1 | 1.3 | 1.8 |
| | | Max | A | 2.5 | 4.0 | 6.9 |
| | | Rated | A | 6.0 | 6.0 | 9.0 |
| Starting Current | Heating | Max | A | 3.2 | 4.3 | 7.1 |
| | | Rated | A | 7.0 | 7.0 | 9.5 |
| | | Rated | A | 2.5 | 4.0 | 6.9 |
| Power Supply | Heating | Rated | A | 3.2 | 4.3 | 7.1 |
| Circuit Breaker | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Power Supply Cable | | | A | 15 | 15 | 20 |
| Power & Transmission Cable | | | N x mm ² | 3*1.0 | 3*1.0 | 3 x 1.5 |
| Dimension | | | N x mm ² | 4*1.0 (Including Earth) | 4*1.0 (Including Earth) | 4 x 1.0 (Including Earth) |
| Net Weight | | | mm | 837*308*189 | 837*308*189 | 998*345*210 |
| Fan Motor Output | | | kg | 9.1 | 9.1 | 11.9 |
| | | | W | 30 | 30 | 30 |
| OUTDOOR | | | | DC09RQ.UL2 | DC12RQ.UL2 | DC18RQ.UL2 |
| Operation Range | Cooling | Min-Max | °CDB | -15-48 | -15-48 | -15-48 |
| | | Min-Max | °CDB | -15-24 | -15-24 | -10-24 |
| | | High | dB(A) | 49 | 49 | 53 |
| Sound Pressure | Heating | High | dB(A) | 51 | 51 | 55 |
| | | High | dB(A) | 65 | 65 | 65 |
| | | High | dB(A) | 51 | 51 | 55 |
| Sound Power | Cooling | High | dB(A) | 65 | 65 | 65 |
| | | High | dB(A) | 49 | 49 | 53 |
| | | High | dB(A) | 51 | 51 | 55 |
| Air Flow Rate | Cooling | High | m ³ /min | 35 | 35 | 35 |
| | | High | m ³ /min | 35 | 35 | 35 |
| | | High | m ³ /min | 3 | 3 | 3 |
| Piping | Length (Odu/Idu) | Min | m | 3 | 3 | 3 |
| | | Max | m | 20 | 20 | 20 |
| | | Max | m | 10 | 10 | 10 |
| Piping Connection | Elevation (Odu/Idu) | Max | m | 10 | 10 | 10 |
| | | Liquid | mm | 6.35 | 6.35 | 6.35 |
| | | Gas | mm | 6.35 | 6.35 | 6.35 |
| | Drain | OD(Outside) | inch | (1/4) | (1/4) | (1/4) |
| | | OD(Outside) | mm | 9.52 | 9.52 | 12.7 |
| | | OD(Outside) | inch | (3/8) | (3/8) | (1/2) |
| Refrigerant | Type | mm | 21.5 | 21.5 | 21.5 | |
| | | mm | 21.5 | 21.5 | 21.5 | |
| | | inch | 0.85 | 0.85 | 0.85 | |
| | | inch | 0.85 | 0.85 | 0.85 | |
| | | inch | 0.85 | 0.85 | 0.85 | |
| Fan Motor Output | Compressor Type | g | 800 | 800 | 1000 | |
| | | Charge at 7.5m | t-CO ₂ eq | 0.54 | 0.54 | 0.68 |
| | | Additional charge | g/m | 20 | 20 | 20 |
| | | GWEP | W | 675 | 675 | 675 |
| Net Weight | | | W | 43 | 43 | 43 |
| Dimension | | | mm | 770*545*288 | 770*545*288 | 770*545*288 |

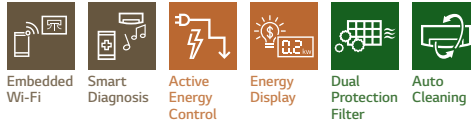
* This product contains Fluorinated greenhouse gases (R32).

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

*** Specification, design and feature are subject to change without prior notice.

WALL MOUNTED SPECIFICATION

STANDARD PLUS (R410A)



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



• Single Combination

| UNIT | | | 9K | 12K | 18K | 24K |
|----------------------------|--------------------------|---------------------|-------------------------|-------------------------|---------------------------|---------------------------|
| INDOOR | | | PM09SPNSJ | PM12SPNSJ | PM18SPNSK | PM24SPNSK |
| Capacity | Cooling | Min/Rated/Max | 890/2500/3700 | 890/3500/4040 | 900/5000/5525 | 900/6600/7420 |
| | Heating +7°C | Min/Rated/Max | 890/3200/4100 | 890/3800/5100 | 900/5800/6438 | 900/7500/8640 |
| | Heating -7°C | Rated | 3000 | 3600 | 3800 | 4850 |
| Power Input | Cooling | Rated | 670 | 1080 | 1587 | 2275 |
| | Heating +7°C | Rated | 840 | 1000 | 1611 | 2308 |
| | Heating -7°C | Rated | 840 | 1000 | 1611 | 2308 |
| EER | | W/W | 3.73 | 3.24 | 3.15 | 2.90 |
| S.E.E.R. | | | 6.5 | 6.4 | 6.5 | 6.2 |
| P design C | | kW | 2.5 | 3.5 | 5.0 | 6.6 |
| COP | | W/W | 3.81 | 3.80 | 3.60 | 3.25 |
| S.C.O.P. | | | 4.0 | 4.0 | 4.0 | 3.9 |
| P design H | | kW | 2.4 | 2.5 | 3.9 | 5.0 |
| Energy Label | Cooling (A++ to E Scale) | | A++ | A++ | A++ | A++ |
| | Heating (A++ to E Scale) | | A+ | A+ | A+ | A |
| Annual Energy Consumption | Cooling | kWh | 134 | 191 | 269 | 372 |
| | Heating | kWh | 840 | 875 | 1365 | 1794 |
| | Heating | kWh | 840 | 875 | 1365 | 1794 |
| Sound Pressure | Cooling | Sleep | 27 | 27 | 31 | 31 |
| | | Low | 27 | 27 | 34 | 34 |
| | | Medium | 35 | 35 | 39 | 42 |
| | Heating | High | 41 | 41 | 44 | 47 |
| | | Low | 27 | 27 | 34 | 34 |
| | | Medium | 35 | 35 | 39 | 42 |
| Sound Power | Cooling | High | 41 | 41 | 44 | 47 |
| | | Medium | 59 | 59 | 60 | 65 |
| | | Sleep | 3.0 | 3.0 | 8.0 | 8.0 |
| Air Flow Rate | Cooling | Low | 4.2 | 4.2 | 10.5 | 10.5 |
| | | Medium | 7.5 | 7.5 | 13.0 | 13.1 |
| | | High | 10.0 | 10.0 | 14.5 | 16.1 |
| | Heating | Max (Power) | 11.5 | 12.5 | 15.5 | 20.0 |
| | | Low | 5.6 | 5.6 | 11.0 | 11.0 |
| | | Medium | 7.2 | 7.2 | 13.5 | 15.0 |
| High | 10.0 | 10.0 | 16.0 | 18.5 | | |
| Dehumidification Rate | | l/h | 1.1 | 1.3 | 1.8 | 2.5 |
| Running Current | Cooling | Rated | 3.0 | 4.7 | 6.9 | 10.1 |
| | | Max | 6.0 | 6.0 | 9.0 | 14.0 |
| | Heating | Rated | 3.7 | 4.5 | 7.1 | 10.4 |
| Starting Current | Cooling | Max | 7.0 | 7.0 | 9.5 | 14.0 |
| | | Rated | 3.0 | 4.7 | 6.9 | 10.1 |
| | Heating | Rated | 3.7 | 4.5 | 7.1 | 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*1.0 | 3*1.0 | 3 x 1.5 | 3 x 2.5 |
| Power & Transmission Cable | | N x mm ² | 4*1.0 (Including Earth) | 4*1.0 (Including Earth) | 4 x 1.0 (Including Earth) | 4 x 1.0 (Including Earth) |
| Dimension | | mm | 837*308*189 | 837*308*189 | 998*345*210 | 998*345*210 |
| Net Weight | | kg | 8.7 | 8.7 | 12.0 | 12.8 |
| Fan Motor Output | | W | 30 | 30 | 30 | 60 |
| OUTDOOR | | | PM09SPUA3 | PM12SPUA3 | PM18SPUL2 | PM24SPUUE |
| Operation Range | Cooling | Min-Max | -10-48 | -10-48 | -15-48 | -15-48 |
| | Heating | Min-Max | -10-24 | -10-24 | -10-24 | -10-24 |
| | Cooling | High | 49 | 49 | 53 | 56 |
| Sound Pressure | Cooling | High | 50 | 50 | 55 | 57 |
| | | Medium | 65 | 65 | 65 | 70 |
| | | Low | 27 | 27 | 35 | 50 |
| Air Flow Rate | Cooling | High | 27 | 27 | 35 | 50 |
| | | Medium | 3 | 3 | 3 | 3 |
| | | Min | 15 | 15 | 20 | 30 |
| Piping | Elevation (Odu/Idu) | Max | 7 | 7 | 10 | 15 |
| | | Min | 15 | 15 | 20 | 30 |
| | | Max | 7 | 7 | 10 | 15 |
| Piping Connection | Liquid | OD(Outside) | 6.35 | 6.35 | 6.35 | 6.35 |
| | | inch | (1/4) | (1/4) | (1/4) | (1/4) |
| | | mm | 9.52 | 9.52 | 12.7 | 15.88 |
| | Gas | OD(Outside) | (3/8) | (3/8) | (1/2) | (5/8) |
| | | inch | 21.5 | 21.5 | 21.5 | 21.5 |
| | | mm | 0.85 | 0.85 | 0.85 | 0.85 |
| Refrigerant | Type | R410A | R410A | R410A | R410A | |
| | | Charge at 7.5m | 950 | 950 | 1200 | 1350 |
| | | Additional charge | 1.98 | 1.98 | 2.51 | 2.82 |
| Fan Motor Output | Compressor Type | GWP | 2087.5 | 2087.5 | 2087.5 | 2087.5 |
| | | W | 43 | 43 | 43 | 85 |
| | | kg | 1P Rotary | 1P Rotary | Twin Rotary | Twin Rotary |
| Net Weight | Dimension | mm | 28.4 | 28.4 | 36.3 | 46 |
| | | mm | 717*483*230 | 717*483*230 | 770*545*288 | 870*655*320 |
| | | mm | 717*483*230 | 717*483*230 | 770*545*288 | 870*655*320 |

* This product contains Fluorinated greenhouse gases (R410A).

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

*** Specification, design and feature are subject to change without prior notice.

WALL MOUNTED SPECIFICATION

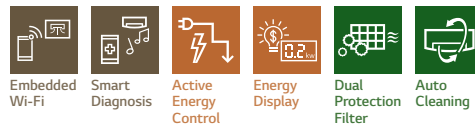
STANDARD PLUS (R32)



RESIDENTIAL



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



• Single Combination

| UNIT | | | | 9K | 12K | 18K |
|----------------------------|--------------------------|---------------|---------------------|-------------------------|-------------------------|---------------------------|
| INDOOR | | | | PC09SQ.NSJ | PC12SQ.NSJ | PC18SQ.NSK |
| Capacity | Cooling | Min/Rated/Max | W | 890/2500/3700 | 890/3500/4040 | 900/5000/5500 |
| | Heating +7°C | 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 +7°C | Rated | W | 800 | 1050 | 1611 |
| | | | W/W | 3.81 | 3.24 | 3.20 |
| E.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. | | | | 4.0 | 4.0 | 4.3 |
| P design H | | | kW | 2.5 | 2.5 | 3.9 |
| Energy Label | Cooling (A++ to E Scale) | | | A++ | A++ | A++ |
| | Heating (A++ to E Scale) | | | A+ | A+ | A+ |
| Annual Energy Consumption | Cooling | | kWh | 125 | 186 | 250 |
| | Heating | | kWh | 875 | 875 | 1270 |
| | | Sleep | | kWh | 19 | 31 |
| Sound Pressure | Cooling | Low | dB(A) | 27 | 27 | 34 |
| | | Medium | dB(A) | 35 | 35 | 39 |
| | | High | dB(A) | 41 | 41 | 44 |
| | Heating | Low | dB(A) | 27 | 27 | 34 |
| | | Medium | dB(A) | 35 | 35 | 39 |
| | | High | dB(A) | 41 | 41 | 44 |
| Sound Power | Cooling | High | dB(A) | 59 | 59 | 60 |
| | | Sleep | m ² /min | 3.0 | 3.0 | 8.0 |
| | | Low | m ² /min | 4.2 | 4.2 | 10.5 |
| Air Flow Rate | Cooling | Medium | m ² /min | 7.5 | 7.5 | 13.0 |
| | | High | m ² /min | 10.0 | 10.0 | 14.5 |
| | | Max (Power) | m ² /min | 12.5 | 12.5 | 15.5 |
| | Heating | Low | m ² /min | 5.6 | 5.6 | 11.0 |
| | | Medium | m ² /min | 7.2 | 7.2 | 13.5 |
| | | High | m ² /min | 10.0 | 10.0 | 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 |
| Starting Current | Cooling | Rated | A | 7.0 | 7.0 | 9.5 |
| | | Max | A | 3.3 | 4.7 | 6.9 |
| | Heating | Rated | A | 4.0 | 4.7 | 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*1.0 | 3*1.0 | 3 x 1.5 |
| Power & Transmission Cable | | | N x mm ² | 4*1.0 (Including Earth) | 4*1.0 (Including Earth) | 4 x 1.0 (Including Earth) |
| Dimension | | | mm | 837*308*189 | 837*308*189 | 998*345*210 |
| Net Weight | | | kg | 8.7 | 8.7 | 11.9 |
| Fan Motor Output | | | W | 30 | 30 | 30 |
| OUTDOOR | | | | PC09SQ.UA3 | PC12SQ.UA3 | PC18SQ.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 | dB(A) | 48 | 48 | 53 |
| | Heating | High | dB(A) | 50 | 50 | 55 |
| Sound Power | Cooling | High | dB(A) | 65 | 65 | 65 |
| Air Flow Rate | Cooling | High | m ² /min | 27 | 27 | 35 |
| Piping | Length (Odu/Idu) | Min | m | 3 | 3 | 3 |
| | | Max | m | 15 | 15 | 20 |
| | Elevation (Odu/Idu) | Max | m | 7 | 7 | 10 |
| Piping Connection | Liquid | OD(Outside) | mm | 6.35 | 6.35 | 6.35 |
| | | inch | (1/4) | (1/4) | (1/4) | |
| | Gas | OD(Outside) | mm | 9.52 | 9.52 | 12.7 |
| | | inch | (3/8) | (3/8) | (1/2) | |
| | Drain | OD(Outside) | mm | 21.5 | 21.5 | 21.5 |
| | | inch | | 0.85 | 0.85 | 0.85 |
| Refrigerant | Type | | g | R32 | R32 | R32 |
| | Charge at 7.5m | | g | 700 | 700 | 1000 |
| | Additional charge | | g/m | 0.47 | 0.47 | 0.68 |
| | GWEP | | g/m | 20 | 20 | 20 |
| Fan Motor Output | | | W | 675 | 675 | 675 |
| Compressor Type | | | | 43 | 43 | 43 |
| Net Weight | | | kg | Twin Rotary | Twin Rotary | Twin Rotary |
| Dimension | | | mm | 25.1 | 25.1 | 34.4 |
| | | | | 717*483*230 | 717*483*230 | 770*545*288 |

* This product contains Fluorinated greenhouse gases (R32).

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

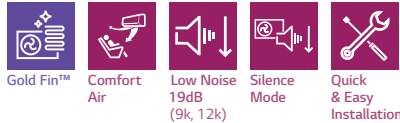
*** Specification, design and feature are subject to change without prior notice.

WALL MOUNTED SPECIFICATION

STANDARD (R410A)



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



• Single Combination

| UNIT INDOOR | | | 9K | 12K | 18K | 24K | |
|----------------------------|--------------------------|---------------|------------|-------------------------|-------------------------|---------------------------|---------------------------|
| | | | P09EN.NSJ | P12EN.NSJ | P18EN.NSK | P24EN.NSK | |
| Capacity | Cooling | Min/Rated/Max | W | 890/2500/3700 | 890/3500/4040 | 900/5000/5525 | 900/6600/7420 |
| | Heating +7°C | Min/Rated/Max | W | 890/3200/4100 | 890/3800/5100 | 900/5800/6438 | 900/7500/8640 |
| | Heating -7°C | Rated | W | 3000 | 3600 | 3800 | 4850 |
| Power Input | Cooling | Rated | W | 670 | 1080 | 1587 | 2275 |
| | Heating +7°C | Rated | W | 840 | 1000 | 1611 | 2308 |
| EER | | | W/W | 3.73 | 3.24 | 3.15 | 2.90 |
| S.E.E.R. | | | | 6.5 | 6.4 | 6.5 | 6.2 |
| P design C | | | kW | 2.5 | 3.5 | 5.0 | 6.6 |
| COP | | | W/W | 3.81 | 3.80 | 3.60 | 3.25 |
| S.C.O.P. | | | | 4.0 | 4.0 | 4.0 | 3.9 |
| P design H | | | kW | 2.4 | 2.5 | 3.9 | 5.0 |
| Energy Label | Cooling (A++ to E Scale) | | | A++ | A++ | A++ | A++ |
| | Heating (A++ to E Scale) | | | A+ | A+ | A+ | A |
| Annual Energy Consumption | Cooling | | kWh | 134 | 191 | 269 | 372 |
| | Heating | | kWh | 840 | 875 | 1365 | 1794 |
| Sound Pressure | Cooling | Sleep | dB(A) | 19 | 19 | 31 | 31 |
| | | Low | dB(A) | 27 | 27 | 34 | 34 |
| | | Medium | dB(A) | 35 | 35 | 39 | 42 |
| | Heating | High | dB(A) | 41 | 41 | 44 | 47 |
| | | Low | dB(A) | 27 | 27 | 34 | 34 |
| | | Medium | dB(A) | 35 | 35 | 39 | 42 |
| Sound Power | Cooling | High | dB(A) | 41 | 41 | 44 | 47 |
| | | Low | dB(A) | 59 | 59 | 60 | 65 |
| Air Flow Rate | Cooling | Sleep | m³/min | 3.0 | 3.0 | 8.0 | 8.0 |
| | | Low | m³/min | 4.2 | 4.2 | 10.5 | 10.5 |
| | | Medium | m³/min | 7.5 | 7.5 | 13.0 | 13.1 |
| | Heating | High | m³/min | 10.0 | 10.0 | 14.5 | 16.1 |
| | | Max (Power) | m³/min | 11.5 | 12.5 | 15.5 | 20.0 |
| | | Low | m³/min | 5.6 | 5.6 | 11.0 | 11.0 |
| Dehumidification Rate | Cooling | High | m³/min | 7.2 | 7.2 | 13.5 | 15.0 |
| | | Medium | m³/min | 10.0 | 10.0 | 16.0 | 18.5 |
| | | High | l/h | 1.1 | 1.3 | 1.8 | 2.5 |
| Running Current | Cooling | Rated | A | 3.0 | 4.7 | 6.9 | 10.1 |
| | | Max | A | 6.0 | 6.0 | 9.0 | 14.0 |
| | Heating | Rated | A | 3.7 | 4.5 | 7.1 | 10.4 |
| | | Max | A | 7.0 | 7.0 | 9.5 | 14.0 |
| Starting Current | Cooling | Rated | A | 3.0 | 4.7 | 6.9 | 10.1 |
| | Heating | Rated | A | 3.7 | 4.5 | 7.1 | 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 mm² | 3*1.0 | 3*1.0 | 3 x 1.5 | 3 x 2.5 |
| Power & Transmission Cable | | | N x mm² | 4*1.0 (Including Earth) | 4*1.0 (Including Earth) | 4 x 1.0 (Including Earth) | 4 x 1.0 (Including Earth) |
| Dimension | | | mm | 837*308*189 | 837*308*189 | 998*345*210 | 998*345*210 |
| Net Weight | | | kg | 8.5 | 8.5 | 11.6 | 12.5 |
| Fan Motor Output | | | W | 30 | 30 | 30 | 60 |
| OUTDOOR | | | P09EN.UA3 | P12EN.UA3 | P18EN.UJ2 | P24EN.UUE | |
| 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 | dB(A) | 49 | 49 | 53 | 56 |
| | Heating | High | dB(A) | 50 | 50 | 55 | 57 |
| Sound Power | Cooling | High | dB(A) | 65 | 65 | 65 | 70 |
| | Heating | High | dB(A) | 65 | 65 | 65 | 70 |
| Air Flow Rate | Cooling | High | m³/min | 27 | 27 | 35 | 50 |
| | | Min | m | 3 | 3 | 3 | 3 |
| Piping | Elevation (Odu/Idu) | Max | m | 15 | 15 | 20 | 30 |
| | | Min | m | 7 | 7 | 10 | 15 |
| Piping Connection | Liquid | OD(Outside) | mm | 6.35 | 6.35 | 6.35 | 6.35 |
| | | inch | | (1/4) | (1/4) | (1/4) | (1/4) |
| | | OD(Outside) | mm | 9.52 | 9.52 | 12.7 | 15.88 |
| | Gas | OD(Outside) | inch | (3/8) | (3/8) | (1/2) | (5/8) |
| | | OD(Outside) | mm | 21.5 | 21.5 | 21.5 | 21.5 |
| | | inch | | 0.85 | 0.85 | 0.85 | 0.85 |
| Refrigerant | Type | | | R410A | R410A | R410A | R410A |
| | Charge at 7.5m | | g | 950 | 950 | 1200 | 1350 |
| | Additional charge | | g/m | 1.98 | 1.98 | 2.51 | 2.82 |
| | GWP | | | 20 | 20 | 20 | 30 |
| Fan Motor Output | | | W | 2087.5 | 2087.5 | 2087.5 | 2087.5 |
| Compressor Type | | | | 43 | 43 | 43 | 85 |
| Net Weight | | | kg | 1P Rotary | 1P Rotary | Twin Rotary | Twin Rotary |
| Dimension | | | mm | 29 | 29 | 36.7 | 46 |
| | | | | 717*483*230 | 717*483*230 | 770*545*288 | 870*655*320 |

* This product contains Fluorinated greenhouse gases (R410A).

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

*** Specification, design and feature are subject to change without prior notice.

WALL MOUNTED SPECIFICATION

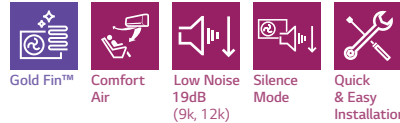
STANDARD (R32)



RESIDENTIAL



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



• Single Combination

| UNIT | | | | 9K | 12K | 18K | |
|----------------------------|--------------------------|---------------------|---------------------|-------------------------|-------------------------|---------------------------|-----|
| INDOOR | | | | S09EQ.NSJ | S12EQ.NSJ | S18EQ.NSK | |
| Capacity | Cooling | Min/Rated/Max | W | 890/2500/3700 | 890/3500/4040 | 900/5000/5500 | |
| | Heating +7°C | 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 +7°C | Rated | W | 800 | 1050 | 1611 | |
| | | | W/W | 3.81 | 3.24 | 3.20 | |
| EER | | | | 7.0 | 6.6 | 7.0 | |
| S.E.E.R. | | | | 2.5 | 3.5 | 5.0 | |
| P design C | | | W/W | 4.13 | 3.81 | 3.60 | |
| COP | | | | 4.0 | 4.0 | 4.3 | |
| S.C.O.P. | | | | 2.5 | 2.5 | 3.9 | |
| P design H | | | | 2.5 | 2.5 | 3.9 | |
| Energy Label | Cooling (A++ to E Scale) | | | A++ | A++ | A++ | |
| | Heating (A++ to E Scale) | | | A+ | A+ | A+ | |
| | | | kWh | 125 | 186 | 250 | |
| Annual Energy Consumption | Cooling | | kWh | 875 | 875 | 1270 | |
| | Heating | | | 19 | 19 | 31 | |
| | | Sleep | dB | 27 | 27 | 34 | |
| Sound Pressure | Cooling | Low | dB | 35 | 35 | 39 | |
| | | Medium | dB | 41 | 41 | 44 | |
| | | High | dB | 27 | 27 | 34 | |
| | Heating | Low | dB | 35 | 35 | 39 | |
| | | Medium | dB | 41 | 41 | 44 | |
| | | High | dB | 59 | 59 | 60 | |
| Sound Power | Cooling | High | dB | 3.0 | 3.0 | 8.0 | |
| | | Sleep | m ³ /min | 4.2 | 4.2 | 10.5 | |
| | | Low | m ³ /min | 7.5 | 7.5 | 13.0 | |
| Air Flow Rate | Cooling | Medium | m ³ /min | 10.0 | 10.0 | 14.5 | |
| | | High | m ³ /min | 12.5 | 12.5 | 15.5 | |
| | | Max (Power) | m ³ /min | 5.6 | 5.6 | 11.0 | |
| | Heating | Low | m ³ /min | 7.2 | 7.2 | 13.5 | |
| | | Medium | m ³ /min | 10.0 | 10.0 | 16.0 | |
| | | High | m ³ /min | 1.1 | 1.3 | 1.8 | |
| Dehumidification Rate | | l/h | 3.3 | 4.7 | 6.9 | | |
| Running Current | Cooling | Rated | A | 6.0 | 6.0 | 9.0 | |
| | | Max | A | 4.0 | 4.7 | 7.1 | |
| | Heating | Rated | A | 7.0 | 7.0 | 9.5 | |
| Starting Current | Cooling | Rated | A | 3.3 | 4.7 | 6.9 | |
| | | Max | A | 4.0 | 4.7 | 7.1 | |
| | Heating | Rated | A | 4.0 | 4.7 | 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*1.0 | 3*1.0 | 3 x 1.5 | |
| Power & Transmission Cable | | | N x mm ² | 4*1.0 (Including Earth) | 4*1.0 (Including Earth) | 4 x 1.0 (Including Earth) | |
| Dimension | | | mm | 837*308*189 | 837*308*189 | 998*345*210 | |
| Net Weight | | | kg | 8.7 | 8.7 | 11.9 | |
| Fan Motor Output | | | W | 30 | 30 | 30 | |
| OUTDOOR | | | | S09EQ.UA3 | S12EQ.UA3 | S18EQ.UL2 | |
| Operation Range | Cooling | Min-Max | °CDB | -10-48 | -10-48 | -15-48 | |
| | Heating | Min-Max | °CDB | -10-24 | -10-24 | -10-24 | |
| | | | dB | 48 | 48 | 53 | |
| Sound Pressure | Cooling | High | dB | 50 | 50 | 55 | |
| | | Medium | dB | 65 | 65 | 65 | |
| | | Low | dB | 27 | 27 | 35 | |
| Sound Power | Cooling | High | m ³ /min | 3 | 3 | 3 | |
| | | Medium | m | 15 | 15 | 20 | |
| | | Low | m | 7 | 7 | 10 | |
| Air Flow Rate | Cooling | Length (Odu/Idu) | mm | 6.35 | 6.35 | 6.35 | |
| | | Elevation (Odu/Idu) | inch | (1/4) | (1/4) | (1/4) | |
| | | Liquid | mm | 9.52 | 9.52 | 12.7 | |
| Piping Connection | Gas | OD(Outside) | inch | (3/8) | (3/8) | (1/2) | |
| | | mm | 21.5 | 21.5 | 21.5 | | |
| | | OD(Outside) | inch | 0.85 | 0.85 | 0.85 | |
| | Drain | Type | | | R32 | R32 | R32 |
| | | Charge at 7.5m | g | 700 | 700 | 1000 | |
| | | Additional charge | g/m | 0.47 | 0.47 | 0.68 | |
| Refrigerant | GWEP | | | 20 | 20 | 20 | |
| | | | | 675 | 675 | 675 | |
| | | | | 43 | 43 | 43 | |
| Fan Motor Output | | | W | Twin Rotary | Twin Rotary | Twin Rotary | |
| Compressor Type | | | | 25.1 | 25.1 | 34.4 | |
| Net Weight | | | kg | 717*483*230 | 717*483*230 | 770*545*288 | |
| Dimension | | | mm | | | | |

* This product contains Fluorinated greenhouse gases (R32).

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

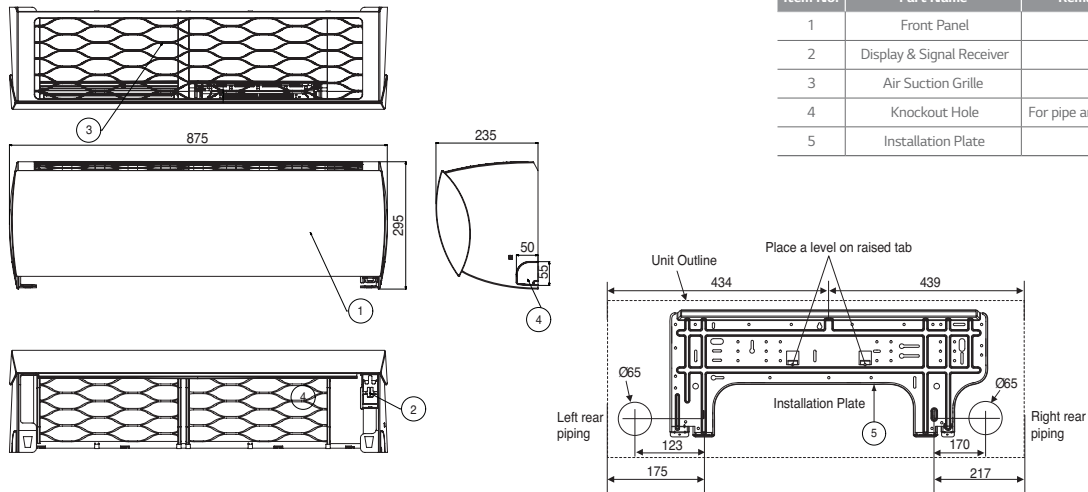
*** Specification, design and feature are subject to change without prior notice.

WALL MOUNTED DIMENSIONS

PRESTIGE

H09AP.NSM / H12AP.NSM

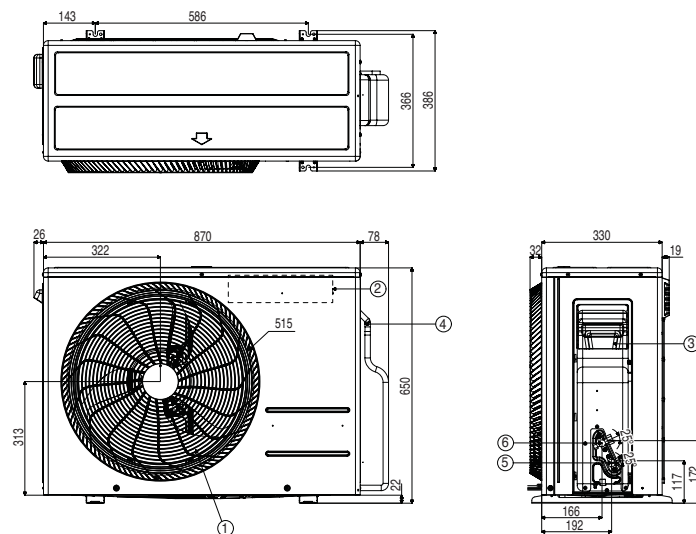
(Unit: mm)



| Item No. | Part Name | Remark |
|----------|---------------------------|--------------------|
| 1 | Front Panel | |
| 2 | Display & Signal Receiver | |
| 3 | Air Suction Grille | |
| 4 | Knockout Hole | For pipe and cable |
| 5 | Installation Plate | |

H09AP.U24 / H12AP.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 |

* This product contains Fluorinated greenhouse gases (R410A).

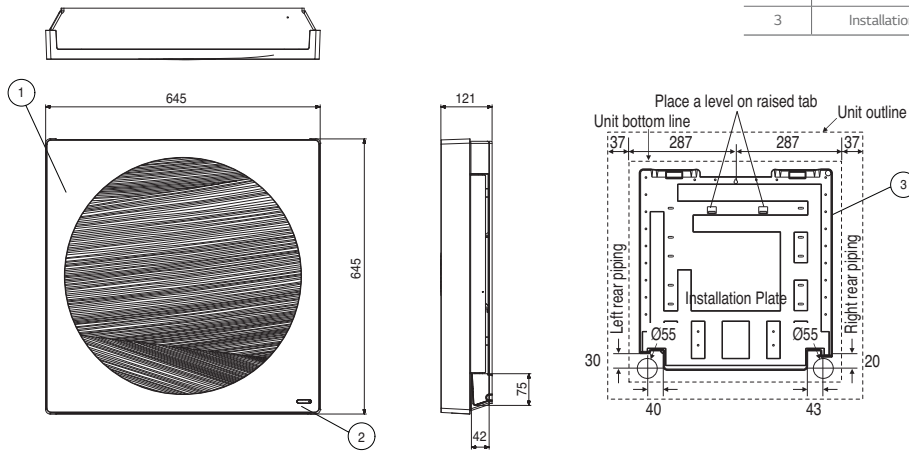
WALL MOUNTED DIMENSIONS

ARTCOOL STYLIST

G09WL.NS3 / G12WL.NS3

(Unit: mm)

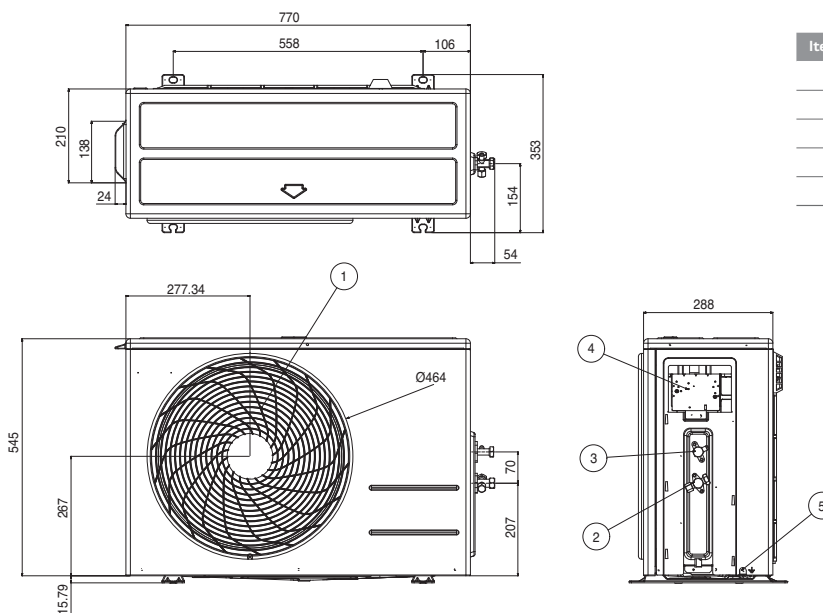
| Item No. | Part Name | Remark |
|----------|--------------------|--------|
| 1 | Front Panel | |
| 2 | Signal Receiver | |
| 3 | Installation Plate | |



G09WL.UL2 / G12WL.UL2

(Unit: mm)

| Item No. | Part Name |
|----------|-----------------------------|
| 1 | Air Discharge Grille |
| 2 | Gas Pipe Connection Port |
| 3 | Liquid Pipe Connection Port |
| 4 | Control Box |
| 5 | Earth Screw |

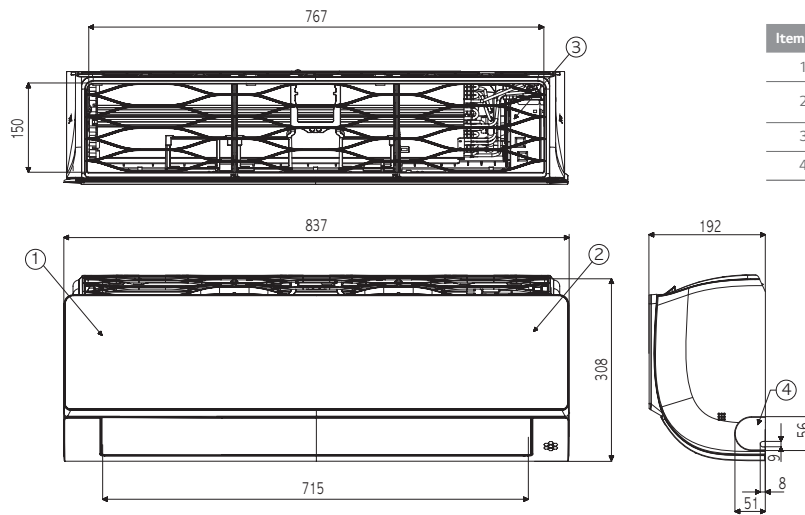


* This product contains Fluorinated greenhouse gases (R410A).

WALL MOUNTED DIMENSIONS

ARTCOOL

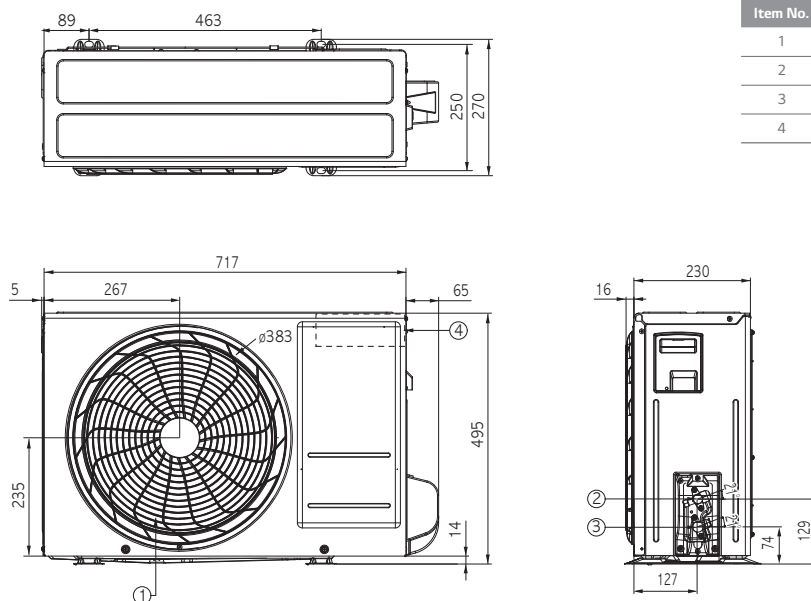
AC09BP.NSJ / AC12BP.NSJ / AM09BP.NSJ / AM12BP.NSJ



(Unit : mm)

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

AC09BP.UA3 / AC12BP.UA3 / AM09BP.UA3 / AM12BP.UA3

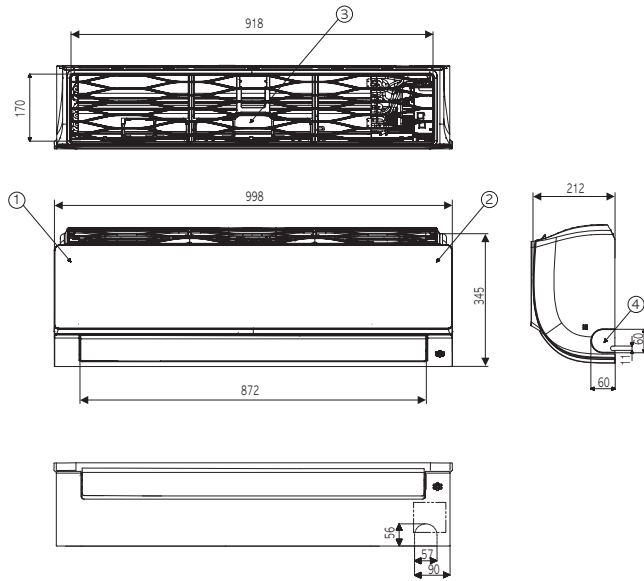


(Unit : mm)

| Item No. | Part Name |
|----------|-----------------------------|
| 1 | Air Discharge Grille |
| 2 | Gas Pipe Connection Port |
| 3 | Liquid Pipe Connection Port |
| 4 | Control Box |

* This product contains Fluorinated greenhouse gases (R410A).

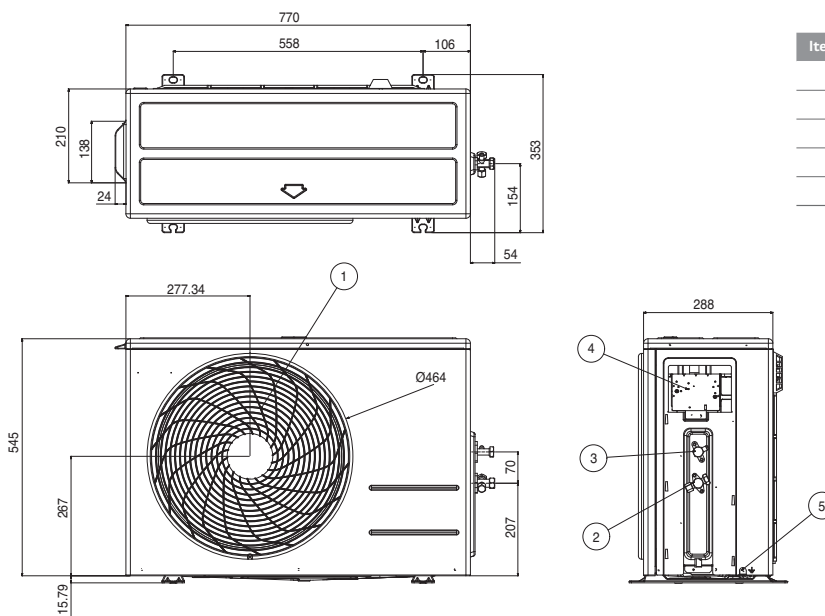
AC18BP.NSK / AM18BP.NSK



(Unit : mm)

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

AC18BP.UL2 / AM18BP.UL2



(Unit: mm)

| Item No. | Part Name |
|----------|-----------------------------|
| 1 | Air Discharge Grille |
| 2 | Gas Pipe Connection Port |
| 3 | Liquid Pipe Connection Port |
| 4 | Control Box |
| 5 | Earth Screw |

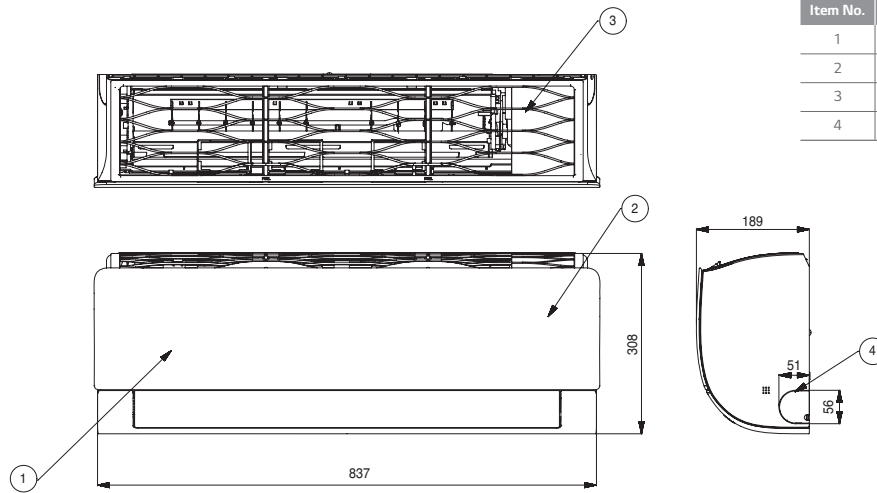
*This product contains Fluorinated greenhouse gases (R410A).

WALL MOUNTED DIMENSIONS

DELUXE

DC09RQ.NSJ / DC12RQ.NSJ / DM09RP.NSJ / DM12RP.NSJ

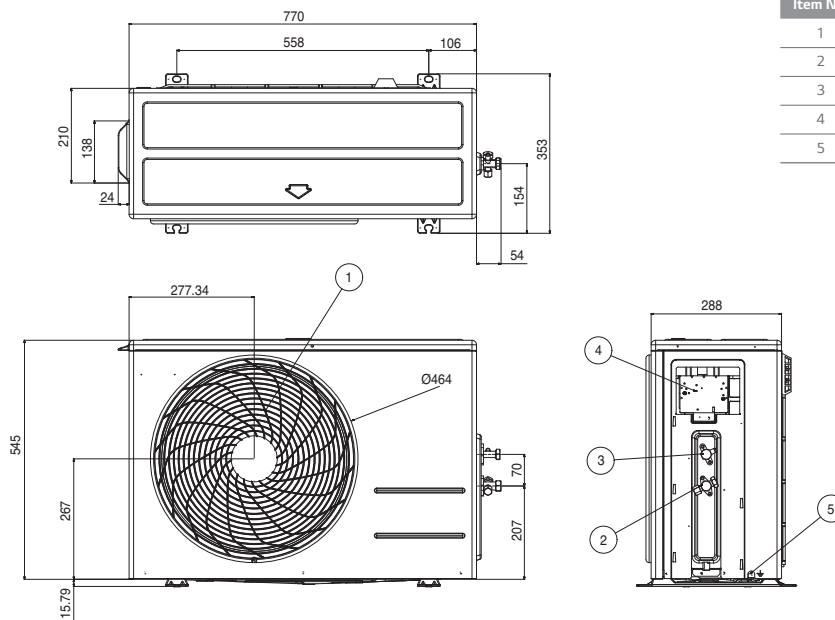
(Unit : mm)



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

DC09RQ.UL2 / DC12RQ.UL2 / DM09RP.UL2 / DM12RP.UL2

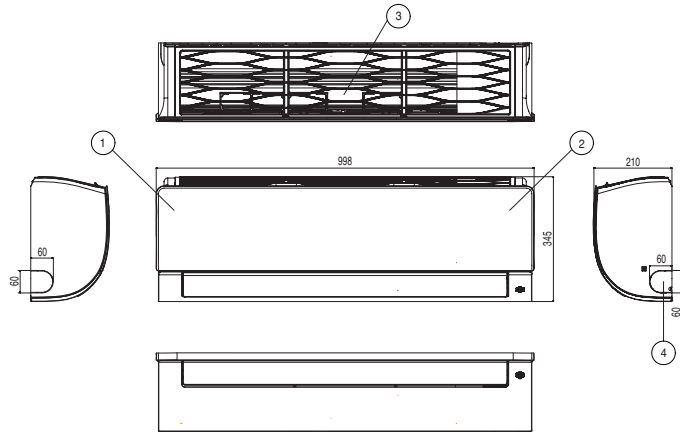
(Unit : mm)



| Item No. | Part Name |
|----------|-----------------------------|
| 1 | Air Discharge Grille |
| 2 | Gas Pipe Connection Port |
| 3 | Liquid Pipe Connection Port |
| 4 | Control Box |
| 5 | Earth Screw |

* This product contains Fluorinated greenhouse gases (R410A).

DC18RQ.NSK / DM18RP.NSK / DM24RP.NSK

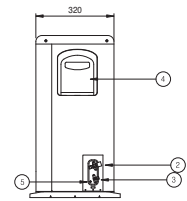
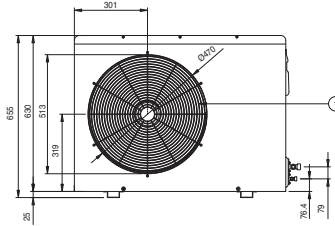
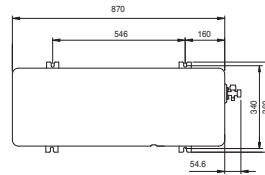
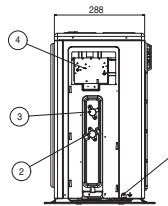
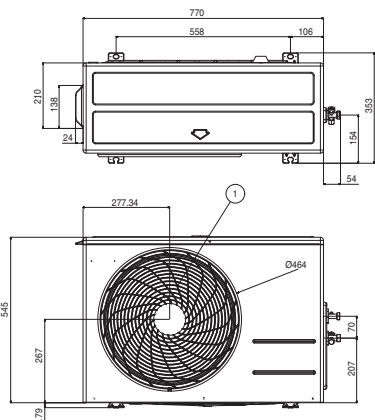


(Unit : mm)

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

DC18RQ.UL2 / DM18RP.UL2

DM24RP.UUE



* This product contains Fluorinated greenhouse gases (R410A).

(Unit : mm)

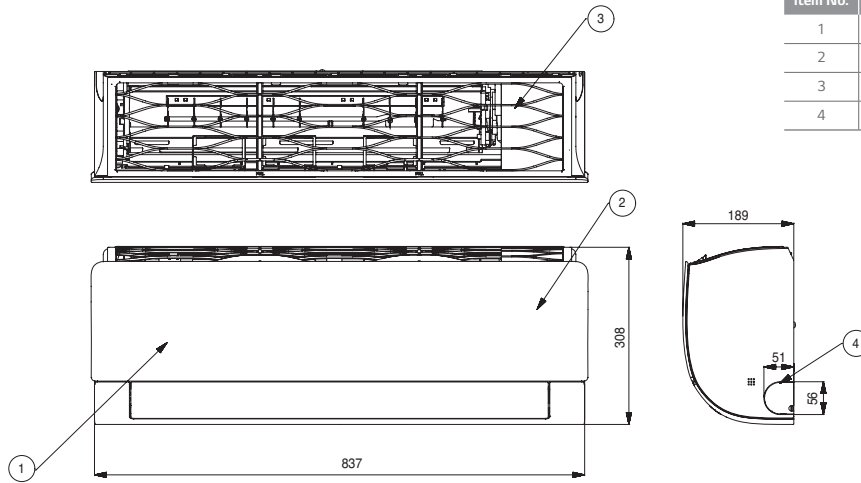
| Item No. | Part Name |
|----------|-----------------------------|
| 1 | Air Discharge Grille |
| 2 | Gas Pipe Connection Port |
| 3 | Liquid Pipe Connection Port |
| 4 | Control Box |
| 5 | Earth Screw |

WALL MOUNTED DIMENSIONS

STANDARD PLUS

PC09SQ.NSJ / PC12SQ.NSJ / PM09SP.NSJ / PM12SP.NSJ

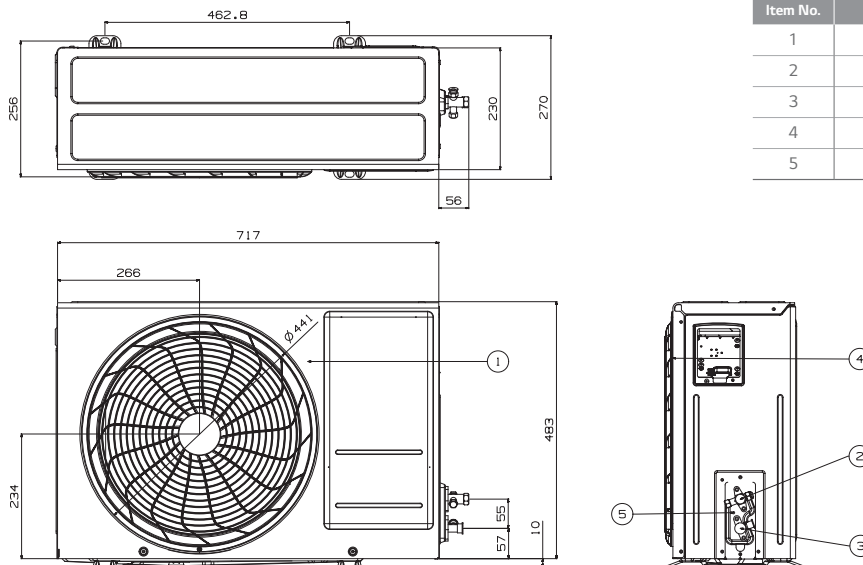
(Unit : mm)



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

PC09SQ.UA3 / PC12SQ.UA3 / PM09SP.UA3 / PM12SP.UA3

(Unit : mm)

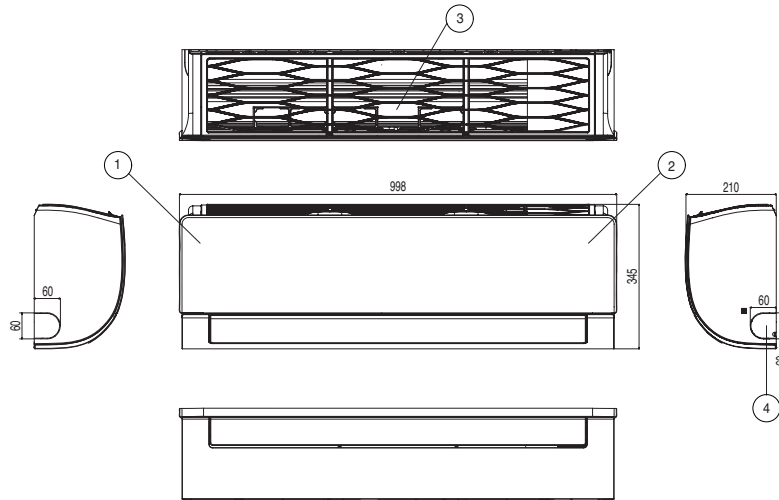


| Item No. | Part Name |
|----------|---------------------------------|
| 1 | Air Discharge Grille |
| 2 | Gas Pipe Connection Port |
| 3 | Liquid Pipe Connection Port |
| 4 | Power & Transmission connection |
| 5 | Earth Screw |

* This product contains Fluorinated greenhouse gases (R410A).

PC18SQ.NSK / PM18SP.NSK / PM24SP.NSK

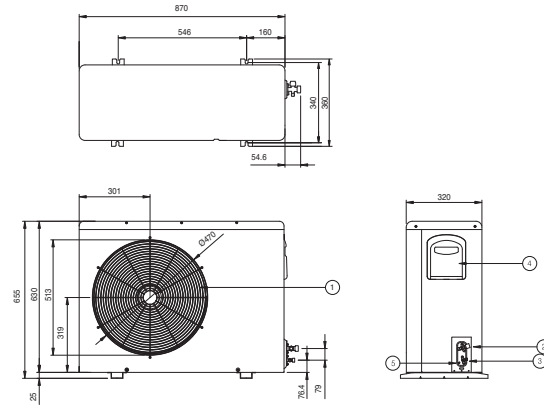
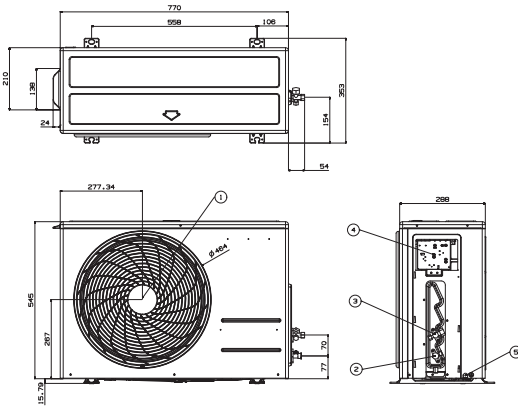
(Unit : mm)



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

PC18SQ.UL2 / PM18SP.UL2

PM24SP.UUE



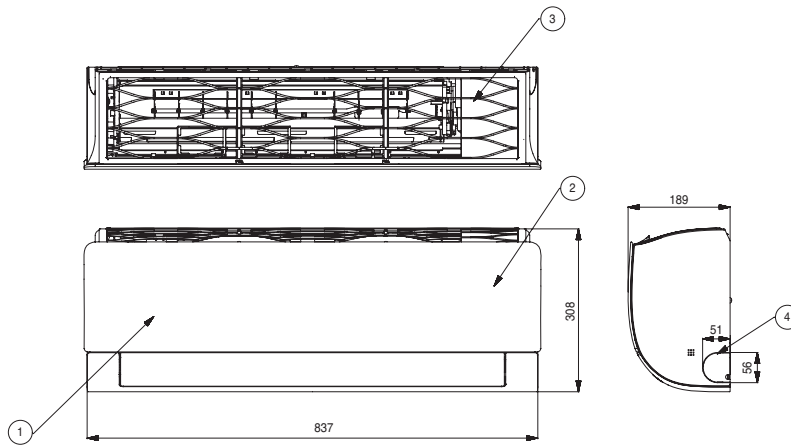
(Unit: mm)

| Item No. | Part Name |
|----------|-----------------------------|
| 1 | Air Discharge Grille |
| 2 | Gas Pipe Connection Port |
| 3 | Liquid Pipe Connection Port |
| 4 | Control Box |
| 5 | Earth Screw |

WALL MOUNTED DIMENSIONS

STANDARD

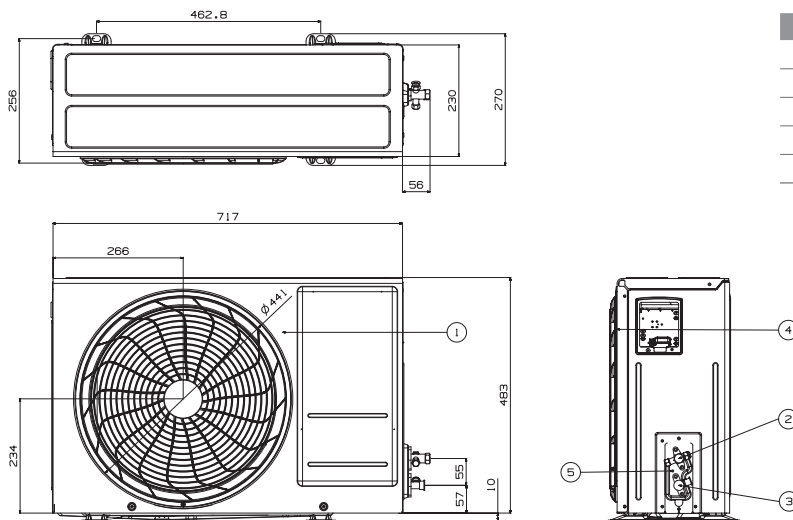
S09EQ.NSJ / S12EQ.NSJ / P09EN.NSJ / P12EN.NSJ



(Unit : mm)

| Item No. | Part Name | Remark |
|----------|---------------------------|--------------------|
| 1 | Front Panel | |
| 2 | Display & Signal Receiver | |
| 3 | Air Filter | |
| 4 | Knockout hole | For pipe and cable |
| 5 | Installation Plate | |

S09EQ.UA3 / S12EQ.UA3 / P09EN.UA3 / P12EN.UA3

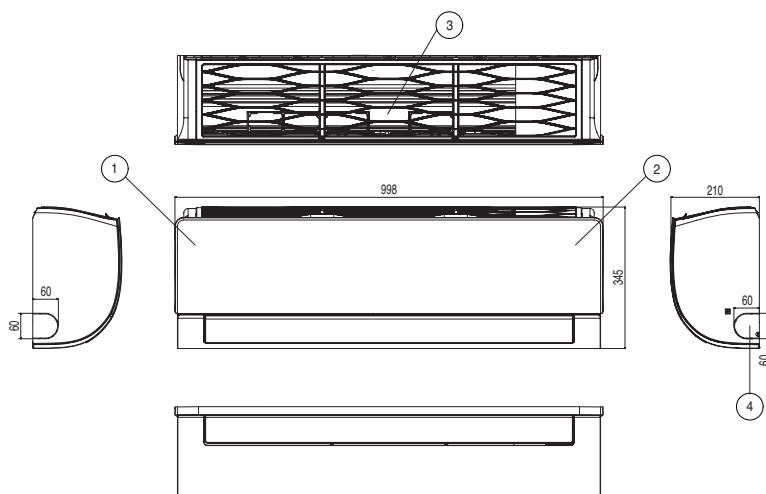


(Unit : mm)

| Item No. | Part Name |
|----------|---------------------------------|
| 1 | Air Discharge Grille |
| 2 | Gas Pipe Connection Port |
| 3 | Liquid Pipe Connection Port |
| 4 | Power & Transmission connection |
| 5 | Earth Screw |

* This product contains Fluorinated greenhouse gases (R410A).

S18EQ.NSK / P18EN.NSK / P24EN.NSK

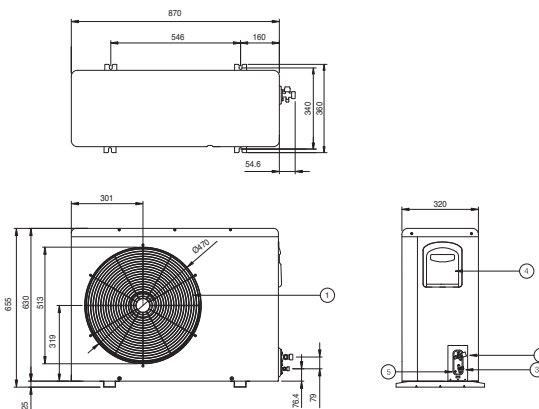
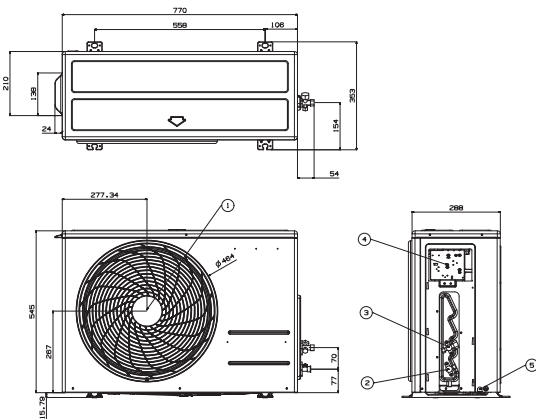


(Unit : mm)

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

S18EQ.UL2 / P18EN.UL2

P24EN.UUE



(Unit: mm)

| Item No. | Part Name |
|----------|-----------------------------|
| 1 | Air Discharge Grille |
| 2 | Gas Pipe Connection Port |
| 3 | Liquid Pipe Connection Port |
| 4 | Control Box |
| 5 | Earth Screw |

WALL MOUNTED SPECIFICATION

ACCESSORIES

| | | Prestige | ARTCOOL Stylist | ARTCOOL | Deluxe | Standard Plus | Standard |
|--------------------------------|-----|----------|-----------------|---------|--------|---------------|----------|
| Wired Remote Controller | 5k | | | | | Y | |
| | 7k | | | Y | Y | Y | - |
| | 9k | Y | Y | Y | Y | Y | - |
| | 12k | Y | Y | Y | Y | Y | - |
| | 15k | | | | | Y | |
| | 18k | | | Y | Y | Y | - |
| PI 485 | 24k | | | Y | Y | Y | - |
| | 5k | | | | | - | |
| | 7k | | | - | Y* | - | - |
| | 9k | - | - | - | Y* | - | - |
| | 12k | - | - | - | Y* | - | - |
| | 15k | | | | | - | |
| Dry Contact | 18k | | | - | Y* | - | - |
| | 24k | | | - | Y* | - | - |
| | 5k | | | | | Y | |
| | 7k | | | Y | Y | Y | - |
| | 9k | Y | Y | Y | Y | Y | - |
| | 12k | Y | Y | Y | Y | Y | - |
| | 15k | | | | | Y | |
| | 18k | | | Y | Y | Y | - |
| | 24k | | | Y | Y | Y | - |

* Y: Available

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

Standard Wired Remote Controller

Standard III



PREMTB100 PREMTBB10

Standard II



PREMTB001 PREMTBB01

※ Refer to each model PDB for applicable models.

| 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*H*D, mm) | 120*120*16 | 120*121*16 |
| Backlight | • | • |

PI 485



PMNFP14A1

Power : Single phase AC 220V 50/60Hz

Max. no of the indoor units that can be connected: 64 UNITS

Model applied : MULTI V, MULTI, Single A

※ MULTI V II Series do not require any other PI 480 because PI 485 is inserted in their outdoor unit PCB.

Dry Contact



PDRYCB000 PDRYCB100 PDRYCB400

















* Refer to each mode PDB for applicable models.

| MODEL | PDRYCB000 | PDRYCB100 | PDRYCB400 |
|-----------------------------|-----------------------------------|----------------------------------|----------------------------------|
| Contact Point | 1 Control Point | 1 Control Point | 2Control Point |
| Power Input | AC 220V from outside power source | AC 24V from outside power source | DC 5V & 12V from indoor unit PCB |
| Voltage / Non Voltage Input | | | • |
| On / Off Control | • | • | • |
| Lock / Unlock | | | • |
| Fan Speed Setting | | | • |
| Thermo Off | | | • |
| Energy Saving | | | • |
| Temperature Setting | | | • |
| Error Monitoring | • | • | • |
| Operation Monitoring | • | • | • |

Remote Controller













Prestige
Artcool
New Deluxe
New Standard Plus
Standard

| Button | Display Screen | Description |
|---|---|---|
|  | - | To turn On / Off the air conditioner. |
|  | 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. |
|  | | To select the auto changeover / auto operation mode. |
| FAN SPEED |  | To adjust the fan speed. |
| ENERGY CTRL. | | To bring the effect of the power saving. |
| JET MODE |  | To change room temperature quickly. |
|  |  | To adjust the air flow direction vertically or horizontally. |
| ROOM TEMP |  | To display the room temperature. |
| °C ↔ °F [5sec] |  | To change unit between °C and °F. |
| SET/ CANCEL | - | To set / cancel the functions and timer. |
|  | - | To adjust time. |
|  | - | To turn on / off air conditioner automatically. |
|  | - | To cancel the timer settings. |

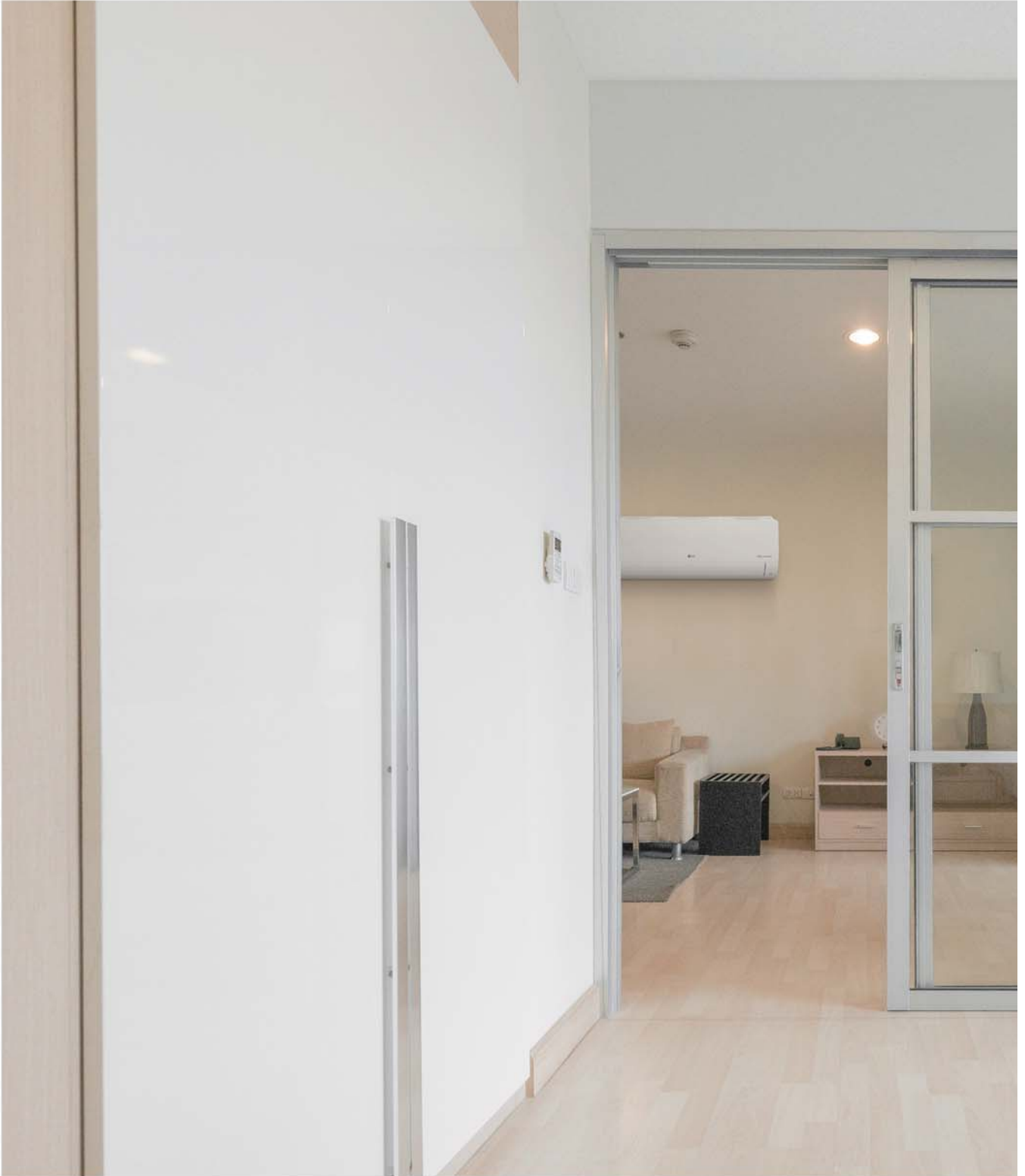


ARTCOOL Stylist

| Button | Display Screen | Description |
|---|---|--|
|  |  | To adjust the brightness of the indoor lighting and to select a scene of the lighting. |
|  |  | To turn on/off air conditioner automatically at desired time. |
| ROOM TEMP. |  | To display the room temperature. |
| °C ↔ °F (5 s) |  | To change unit between °C and °F |
| AUTO CLEAN |  | To remove moisture generated inside the indoor unit. |
| ENERGY SAVING |  | To minimize power consumption. |
| SILENT |  | To reduce noise from outdoor unit. |
| SET / CLEAR | - | To set/cancel the function and timer. |
|  | - | To adjust time. |
| TIME (3 s) | - | To set the current time. |
| RESET | - | To initialize the remote control settings. |

* NOTE : Some functions may not be supported, depending on the model.

MULTI SPLIT





MULTI SPLIT

R32 LINE-UP










INDOOR UNIT

○ Single Only ○● Compatible ● Multi Only

| | | kBtu/h | 05 | 07 | 09 | 12 | 15 | 18 | 24 |
|--|--------------------------|---|-------------|-------------|--------------|--------------|-------------|--------------|-------------|
| | | kW | 1.5 | 2.1 | 2.6 | 3.5 | 4.2 | 5.3 | 7.0 |
| Wall Mounted Unit | ARTCOOL |  | | ● AM07BP | ○● AM09BP | ○● AM12BP | | ○● AM18BP | ● AM24BP |
| | Deluxe |  | | ● DM07RP | ○● DC09RQ | ○● DC12RQ | | ○● DC18RQ | ● DM24RP |
| | Standard Plus |  | ● PM05SP | ● PM07SP | ○● PC09SQ | ○● PC12SQ | ● PM15SP | ○● PC18SQ | ● PM24SP |
| | |  <small>AVAILABLE FROM MID 2018 ONWARDS</small> | ● MJ05PC | ● MJ07PC | ● MJ09PC | ● MJ12PC | ● MJ15PC | ● MJ18PC | ● MJ24PC |
| | Ceiling Mounted Cassette | 4 Way Cassette  | ● MT06R | ● MT08R | ● CT09R | ● CT12R | | ● CT18R | ● CT24R |
| | Ceiling Concealed Duct | Mid / High Static Pressure  | | | | | | ● CM18R | ● CM24R |
| Low Static Pressure  | | | | ● CL09R | ● CL12R | | ● CL18R | ● CL24R | |

OUTDOOR UNIT

| | | kBtu/h | 14 | 16 | 18 | 21 | 24 | 27 | 30 |
|-------|--------------|---|---|---|---|---|---|---|-----|
| | | kW | 4.1 | 4.7 | 5.3 | 6.2 | 7.0 | 7.9 | 8.8 |
| Multi | Multi Piping |  MU2R15 2-port |  MU2R15 2-port |  MU3R17 3-port |  MU3R21 3-port |  MU4R25 4-port |  MU4R27 4-port |  MU5R30 5-port | |



MULTI SPLIT

R410A LINE-UP

INDOOR UNIT

| | | kBtu/h | 5 | 7 | 9 | 12 | 15 | 18 | 24 |
|---|--|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
| | | kW | 1.5 | 2.1 | 2.6 | 3.5 | 4.2 | 5.3 | 7.0 |
| Wall Mounted Unit | ARTCOOL Gallery  | | | | ● MA09AH1 | ● MA12AH1 | | | |
| | ARTCOOL  | | | ● AM07BP | ● AM09BP | ● AM12BP | | ● AM18BP | ● AM24BP |
| | Deluxe  | | | ● DM07RP | ● DM09RP | ● DM12RP | | ● DM18RP | ● DM24RP |
| | Standard Plus  | ● PM05SP | ● PM07SP | ● PM09SP | ● PM12SP | ● PM15SP | ● PM18SP | ● PM24SP | |
| Ceiling Mounted Cassette | 1 Way Cassette  | | | | ● MT09AH | ● MT12AH | | | |
| | 4 Way Cassette  | ● MT06AH | ● MT08AH | ● CT09 | ● CT12 | | ● CT18 | ● CT24 | |
| Ceiling Concealed Duct | Mid / High Static Pressure  | | | | | | | ● CM18 | ● CM24 |
| | Low Static Pressure  | | | | ● CB09L | ● CB12L | | ● CB18L | ● CB24L |
| Ceiling & Floor Convertible  | | | | ● CV09 | ● CV12 | | | | |
| Console  | | | | ● CQ09 | ● CQ12 | | ● CQ18 | | |

OUTDOOR UNIT

| | | kBtu/h | 14 | 16 | 18 | 21 | 24 | 27 | 30 | 40 | 46 | 48 | 57 |
|-------|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| | | kW | 4.1 | 4.7 | 5.3 | 6.2 | 7.0 | 7.9 | 8.8 | 11.7 | 13.5 | 14.1 | 16.7 |
| Multi | Multi Piping  | MU2M15 2-port | MU2M15 2-port | MU3M17 3-port | MU3M21 3-port | MU4M25 4-port | MU4M27 4-port | MU5M30 5-port | MU5M40 5-port | | | | |
| | Distribution Box  | | | | | | | | FM40AH 7-IDU | FM41AH 7-IDU | FM48AH 8-IDU | FM49AH 8-IDU | FM56AH 9-IDU |

MULTI SPLIT

FEATURE OVERVIEW

| Category | | R32 MULTI PIPING | | | | | | |
|----------------------------------|--------------------------------|------------------|-----|-----|-----|-----|-----|-----|
| kBTu/h | | 14 | 16 | 18 | 21 | 24 | 27 | 30 |
| kW | | 4.1 | 4.7 | 5.3 | 6.2 | 7.0 | 7.9 | 8.8 |
| Energy Efficiency | BLDC Comp. & Fan Motor | • | • | • | • | • | • | • |
| | Eurovent Certification | • | • | • | • | • | • | • |
| | Wide Louver Plus Fin | • | • | • | • | • | • | • |
| | Optimised Heat Exchanger Path | • | • | • | • | • | • | • |
| | Smart Load Control | | | • | • | • | • | • |
| | Peak Current Control | • | • | • | • | • | • | • |
| | Standby Mode | • | • | • | • | • | • | • |
| | Mode Lock | • | • | • | • | • | • | • |
| Durability | Twin Rotary Compressor | • | • | • | • | • | • | • |
| | Smart Sensor Pressure Control | | | • | • | • | • | • |
| | Ocean Black Fin Heat Exchanger | • | • | • | • | • | • | • |
| Comfort & Convenience | Fast Cooling & Heating | | | • | • | • | • | • |
| | Night Silent Operation | • | • | • | • | • | • | • |
| | Wiring Error Check | • | • | • | • | • | • | • |
| | Monitoring PCB | • | • | • | • | | | |
| | LG MV | • | • | • | • | • | • | • |
| | Forced Cooling Operation | • | • | • | • | • | • | • |

| R410A MULTI PIPING | | | | | | | | R410A DB BOX TYPE | | | |
|--------------------|-----|-----|-----|-----|-----|-----|------|-------------------|------|------|------|
| 14 | 16 | 18 | 21 | 24 | 27 | 30 | 40 | 40 | 46 | 48 | 57 |
| 4.1 | 4.7 | 5.3 | 6.2 | 7.0 | 7.9 | 8.8 | 11.7 | 11.7 | 13.5 | 14.1 | 16.7 |
| • | • | • | • | • | • | • | • | • | • | • | • |
| • | • | • | • | • | • | • | • | • | | | |
| • | • | • | • | • | • | • | • | • | • | • | • |
| • | • | • | • | • | • | • | • | • | • | • | • |
| | | • | • | • | • | • | • | • | | | |
| • | • | • | • | • | • | • | • | • | • | • | • |
| • | • | • | • | • | • | • | | | | | |
| • | • | • | • | • | • | • | • | • | • | • | • |
| • | • | • | • | • | • | • | • | • | • | • | • |
| | | • | • | • | • | • | • | • | • | • | • |
| | | | | | | | | | | | |
| | | • | • | • | • | • | • | • | • | • | • |
| • | • | • | • | • | • | • | • | • | • | • | • |
| • | • | • | • | • | • | • | • | • | • | • | • |
| • | • | • | • | | | | | | | | |
| • | • | • | • | • | • | • | • | • | • | • | • |
| • | • | • | • | • | • | • | • | • | • | • | • |

MULTI SPLIT

KEY FEATURES

PERFECT SOLUTION FOR MULTIPLE ROOMS



Energy Efficiency | Extreme Durability | Comfort and Convenience

LG Multi split system provides powerful, efficient cooling and heating with two, three, four, or up to nine indoor units operating off a single outdoor unit. LG's advanced inverter technology brings powerful performance while consuming less energy and it uses less space than installing individual single split systems. A variety of sleek and elegant indoor units to complement any décor are available in a full range of capacities for all room sizes. Installation is easy and it offers various convenient functions for easy maintenance.





MULTI SPLIT KEY FEATURES

ENERGY EFFICIENCY

ENERGY EFFICIENCY

The advanced technologies of LG achieve the lowest energy consumption, especially SEER value regarding ErP regulation.

World Class
High Efficiency



SEER
8.5

| SEER / SCOP class (ErPregulation) | | | | | | | |
|-----------------------------------|------|-----|------|------|-----|-----|-----|
| kW | 4.1 | 4.7 | 5.3 | 6.2 | 7.0 | 7.9 | 8.8 |
| SEER | 8.5 | 7.8 | 8.5 | 8.5 | 8.2 | 8.0 | 8.2 |
| | A+++ | A++ | A+++ | A+++ | A++ | A++ | A++ |
| SCOP | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| | A+ | A+ | A+ | A+ | A+ | A+ | A+ |

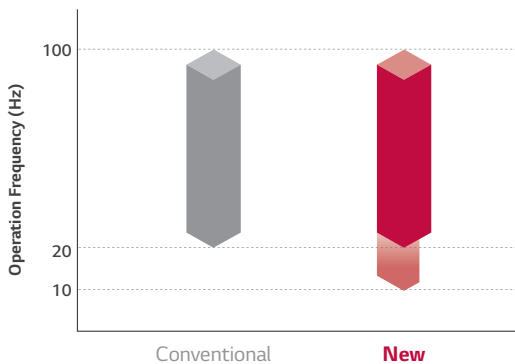
- BLDC Inverter Twin Rotary Compressor
- Enhanced Heat Exchanger
- Smart Load Control
- Peak current control



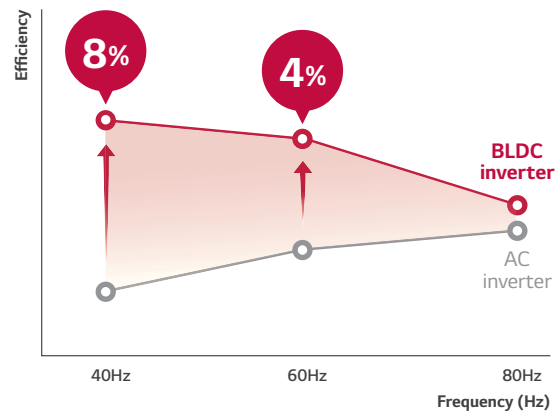
Powerful BLDC (Brushless Direct Current Motor) Compressor

LG air conditioners are equipped with a BLDC Inverter Twin Rotary Compressor that uses a neodymium magnetic core. The compressor has high efficiency and superior reliability, because it is excellent in controlling the operating speed depending on the load. The compressor has improved efficiency compared to standard AC inverter products and optimized for changes of outdoor load. Especially it is optimized for seasonal efficiency.

• Operation Range



• Motor Efficiency

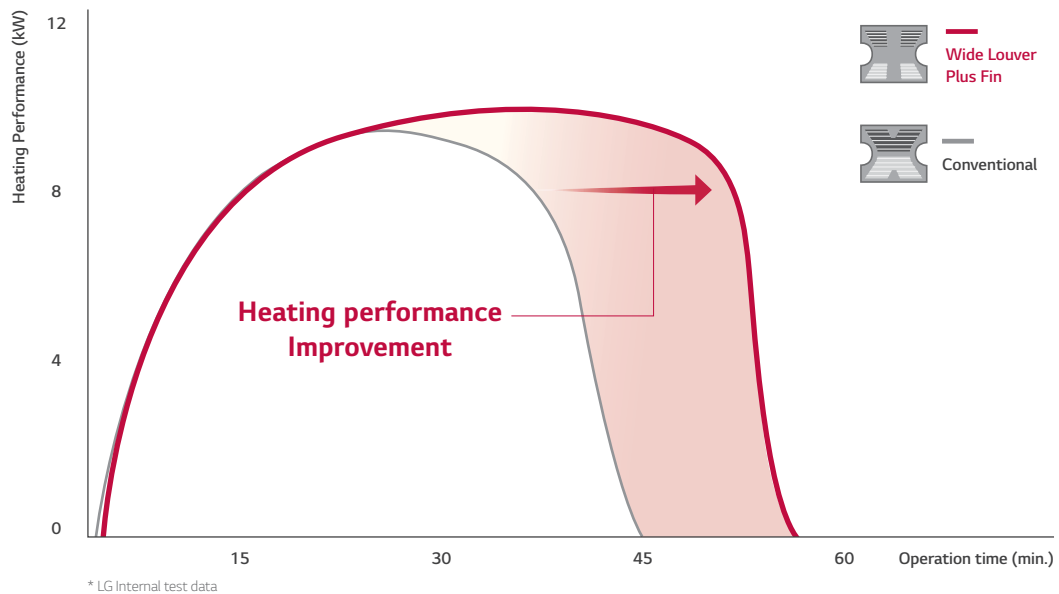
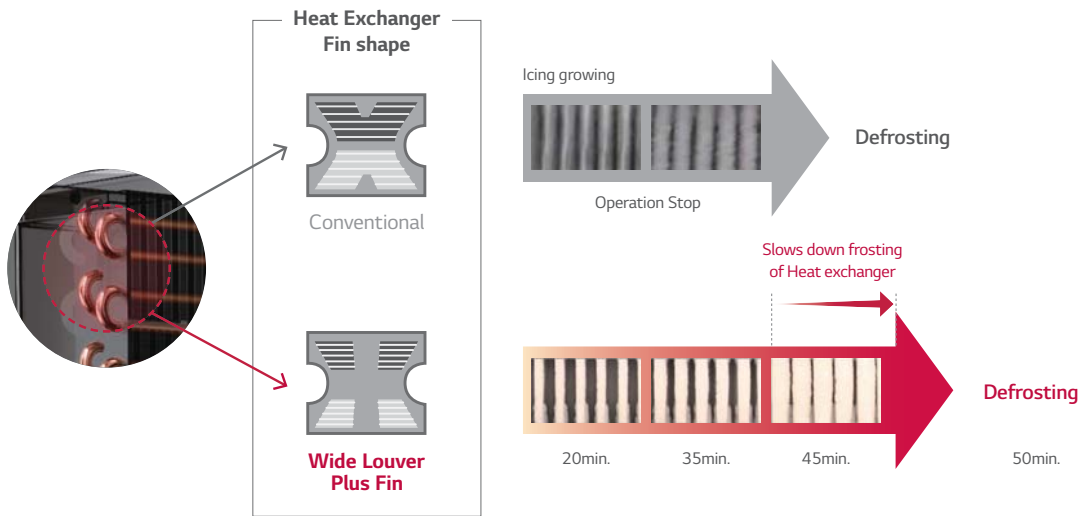


Enhanced Heat exchange by Wide Louver Plus Fin

Wide Louver Plus fin technology increases 11% of full load heating performance and 6% of COP compared to conventional fin. It can slow down frosting of heat exchanger and postpone the start of defrosting operation.

• Heating Operation at Defrost Condition

It can slow down frosting of heat exchanger and postpone the start of defrosting operation

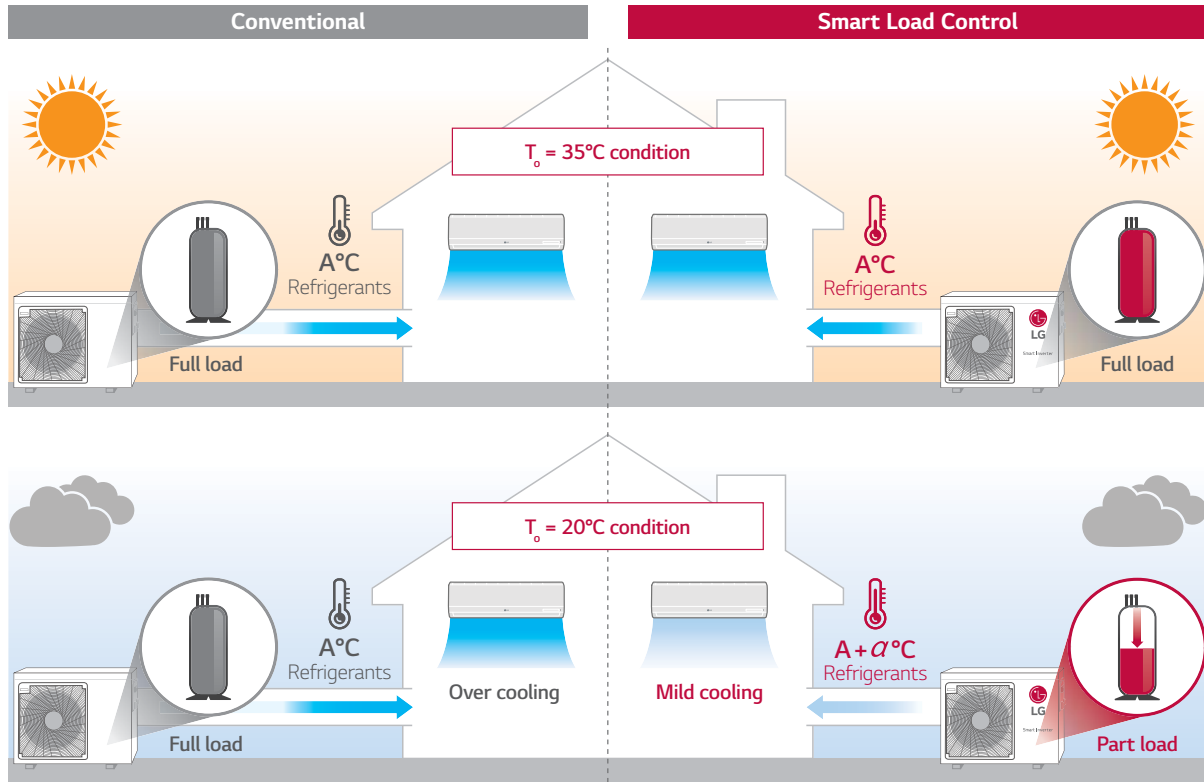


MULTI SPLIT KEY FEATURES

ENERGY EFFICIENCY

Smart Load Control

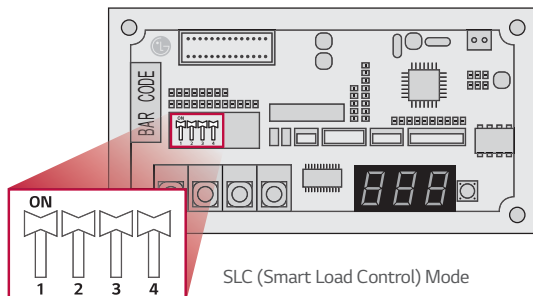
To save operation energy, it automatically controls the refrigerant temperature according to outside temperature.



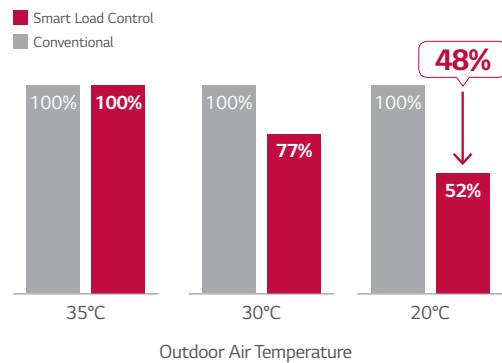
* T_o : Outdoor temperature
* A is the indoor unit coil temperature

• How to set dip switch

To operate smart load control, dip switch setting is needed. It can save energy on real time operation.



• Real Time Energy Saving



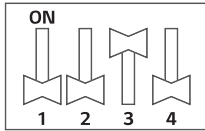
* Applied models : MU3R19 UE0 / MU3R21 UE0 / MU4R25 U40 / MU4R27 U40 / MU5R30 U40 / MU3M19 UE4 / MU3M21 UE4 / MU4M25 U44 / MU5M30 U44 / MU5M40 U02

Peak Current Control

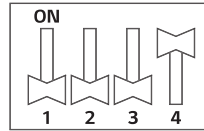
The peak current control function keeps the air conditioner from running at the maximum level while maintaining current system setting, in order to reduce energy consumption. This function can help to cut energy costs during the peak periods of energy use when the energy fee is much higher.

• How to set dip switch

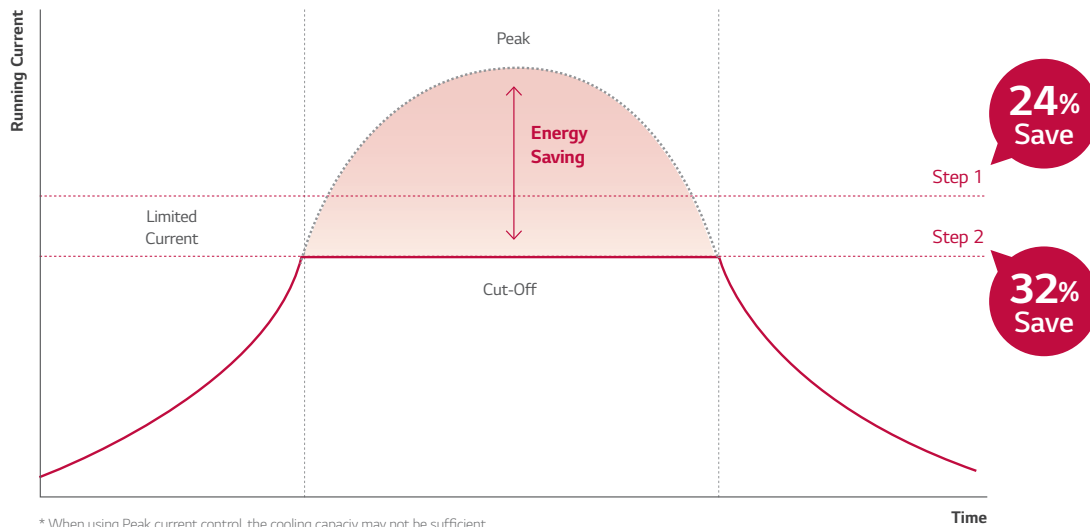
STEP 1 Max power consumption : 1.9 kW



STEP 2 Max power consumption : 1.7 kW



* Full Load consumption : 2.5kW
 * 7.0kW model
 * LG Internal test result



* When using Peak current control, the cooling capacity may not be sufficient.
 * 7.0kW model
 * LG Internal test result

MULTI SPLIT KEY FEATURES

EXTREME DURABILITY

EXTREME DURABILITY

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



INVERTER
COMPRESSOR

10

YEAR

WARRANTY

Product Safety & Durability Reassured

- Improved BLDC Inverter Twin Rotary compressor
- Smart Sensor
- Black Fin Heat Exchanger

Improved BLDC Inverter Twin Rotary Compressor

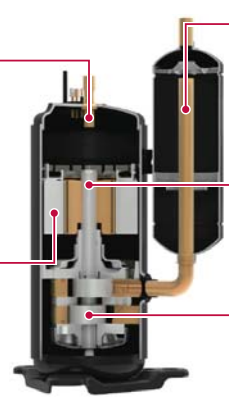
Parts of BLDC Inverter Twin Rotary Compressor have been improved to allow for a longer life span.

Flow Optimization

Reduced oil inflow by increasing the length of oil discharge pipe, which remains enough oil inside the compressor to prevent compressor abrasion.

Concentrated Winding Motor

Oil path area is improved by over 50% by increasing the extra stator cavity. Due to this, caloric value of motor is reduced, improving the cooling function of stator coil.



Suction Optimization

Reduced suction loss and improving oil collection through the optimization of suction path.

Surface Coating

Shaft coating and polishing has been improved.

Twin Rotary Rotor

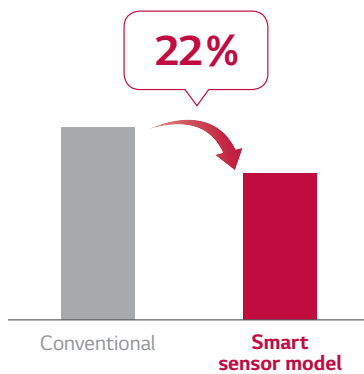
- Upper and lower part rotor offset imbalance in shaft rotor rotation. Max Torque has been decreased by 45% compared to single rotor.
- Vibration and noise is also reduced.

Twin Rotary Inverter Compressor

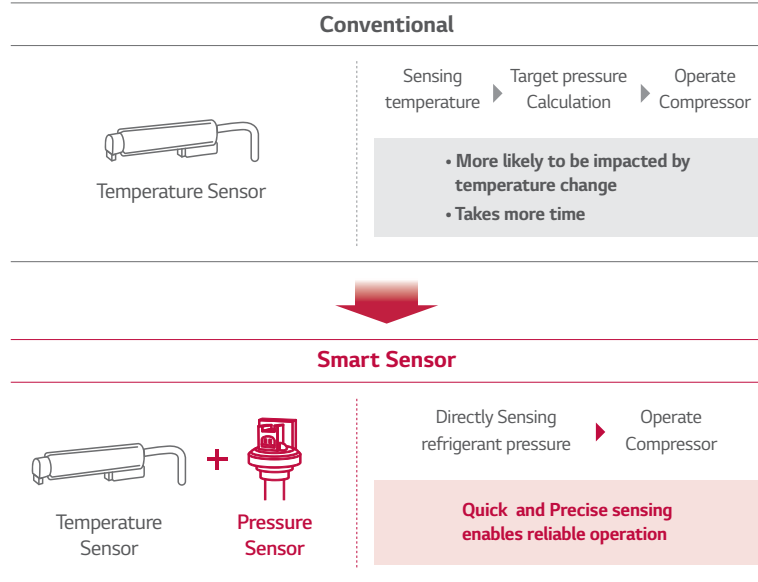
Pressure Control Technology by Smart Sensor

Quicker and more reliable operation is possible from pressure control technology.

• Field Failure Rate of Outdoor unit



* LG Internal result
* FFR Period : 2 years before / after applying pressure sensor



Black Fin Heat Exchanger

The black coating with enhanced epoxy resin is applied for strong protection from various corrosive external conditions such as salt contamination and air pollution including fumes from factories. Moreover, the hydrophilic film keeps water from accumulating on the heat exchanger's fin, minimizing moisture buildup and eventually making it even more corrosion resistant.

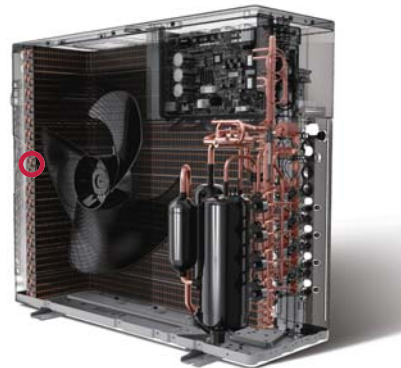
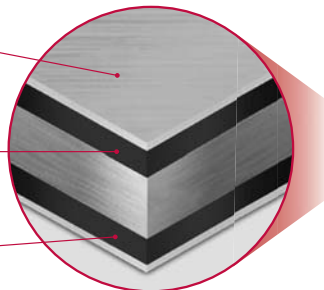
Hydrophilic film (Water flow)

The Hydrophilic coating minimizes moisture buildup on the fin.

Epoxy resin (Corrosion resistant)

The Black coating provides strong protection from corrosion.

Aluminum fin



MULTI SPLIT KEY FEATURES

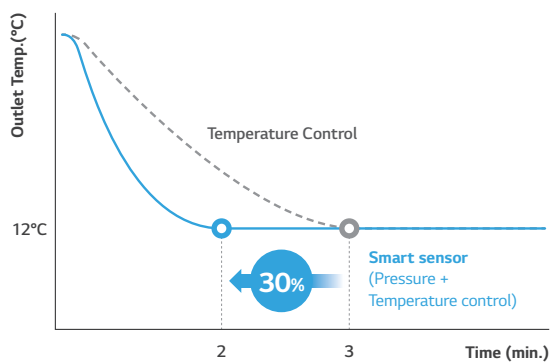
COMFORT AND CONVENIENCE



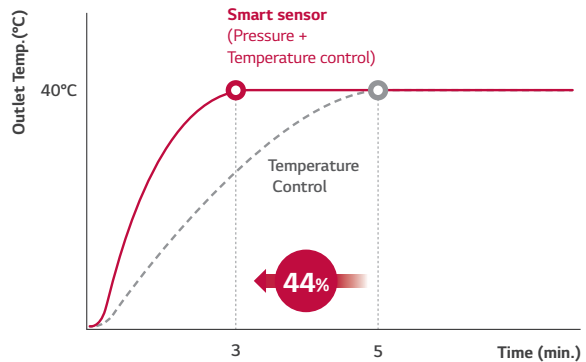
Fast Cooling & Heating

Pressure control takes less time to reach the desired temperature up to 30% in cooling and 44% in heating with high level of accuracy and stability.

• Cooling



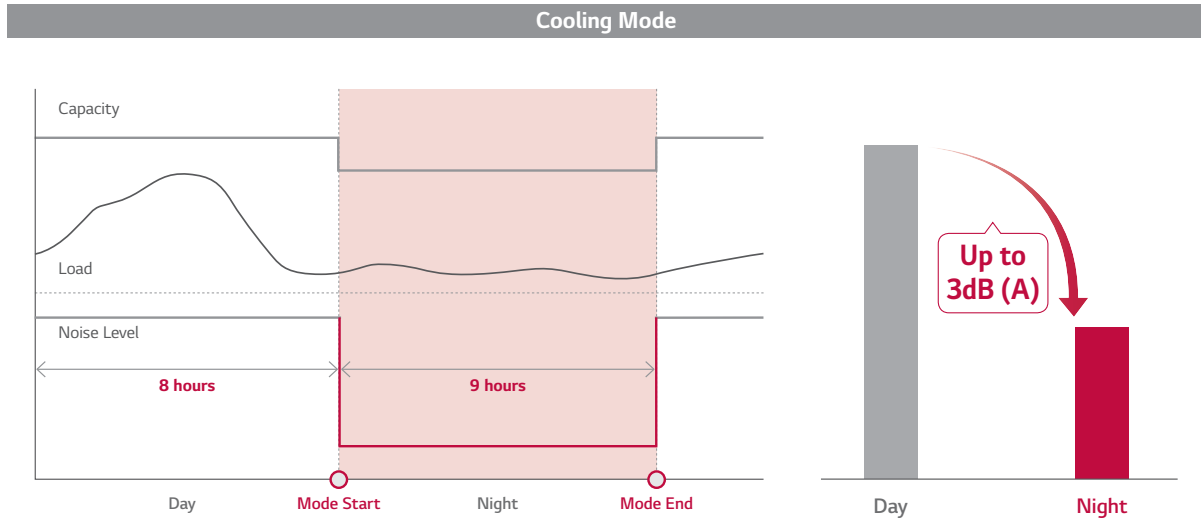
• Heating



* LGInternal test result

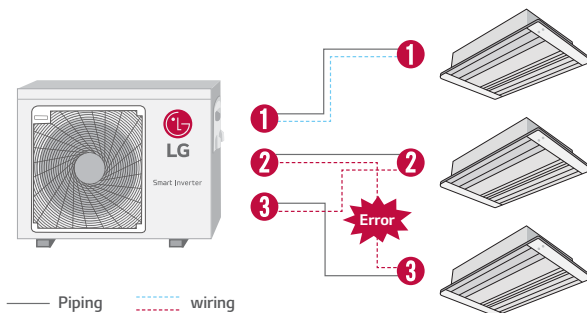
Night Silent Operation

Night silent operation can reduce noise levels at night time by simply setting the dip switch on the PCB of the outdoor unit.

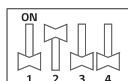


Wiring Error Check

Installers can check whether the transmission cable has been connected correctly by using the wiring error check function. The wiring error check function can reduce the time taken to check for transmission cable errors.



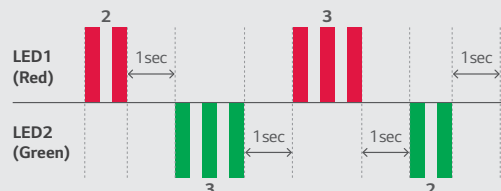
* How to set dip switch



• LED Result

- If the wiring is correct, the Green LED will light up.
- If the wiring is wrong, display as below
 - Red LED : Piping Number
 - Green LED : Wiring Number (Room)

Ex) If the Red LED blinks twice and the Green LED blinks 3 times, 2nd pipe is connected to 3rd room

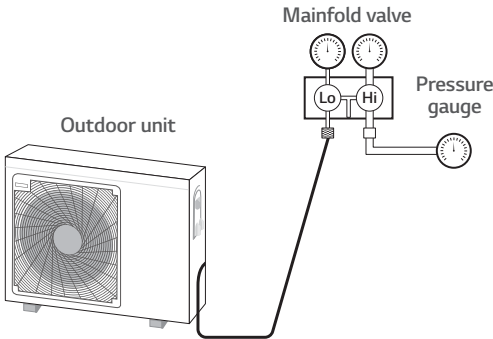
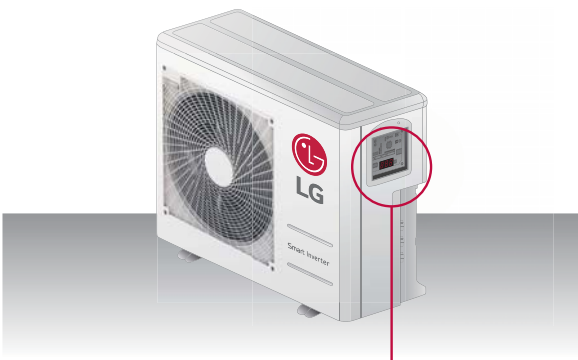
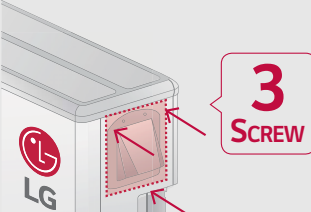
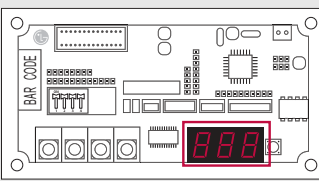
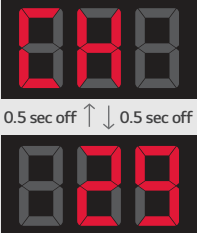


MULTI SPLIT KEY FEATURES

COMFORT AND CONVENIENCE

Monitoring PCB

If there is any problem, without disassembly of chassis, engineers can quickly check air conditioner's error code through 7-segment error indicator

| Conventional | Monitoring PCB | |
|--|---|---|
| Many tools are needed for checking cycle data. | Easy & Quick cycle data Check by Monitoring PCB | |
|  |  <p>• UL4, UE4 chassis</p> | |
| <p>STEP 1 Opening the control cover</p>  | <p>STEP 2 Simply Checking the data on PCB</p>  <p>7-segment error indicator</p> | <p>STEP 3 Displayed Error code sample</p>  <p>0.5 sec off ↑ ↓ 0.5 sec off</p> |

• Displayed Error code

| Error Code | Contents | Case of Error | Outdoor Status |
|------------|------------------------------|----------------------------------|----------------|
| 21 | DC Link Peak (IPM Fault) | Over Rated Current | Off |
| 22 | CT 2 (Max CT) | Input Over Current | Off |
| 23 | DC Link Low Volt. | DC Link Volt is below 140V dc | Off |
| | DC Link High Volt. | DC Link Volt is above 420V dc | |
| 25 | Low Voltage / Over Voltage | Abnormal AC volt Input | Off |
| 26 | DC Compressor Position Error | Compressor Starting Fall Error | Off |
| 27 | PSC / PFC Fault Error | Over inverter PCB input Current | Off |
| 29 | COMP Over Current | Over inverter Compressor Current | Off |

⋮

* Applied models : MU2R15 UL0 / MU2R17 UL0 / MU3R19 UE0 / MU3R21 UE0 / MU2M15 UL4 / MU2M17 UL4 / MU3M19 UE4 / MU3M21 UE4

LG MV (Monitoring View)


LG MV helps engineers to inspect and monitor air conditioning units easily.



Operation information

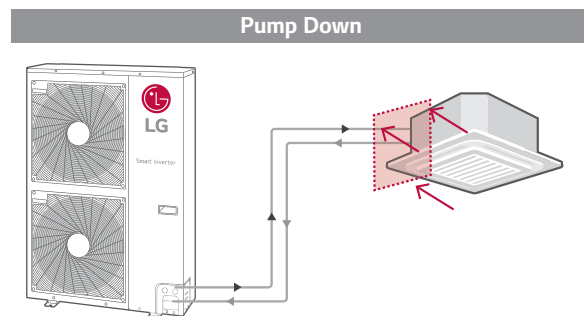
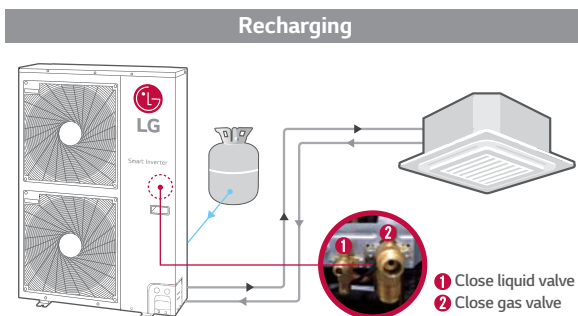


Cycle View

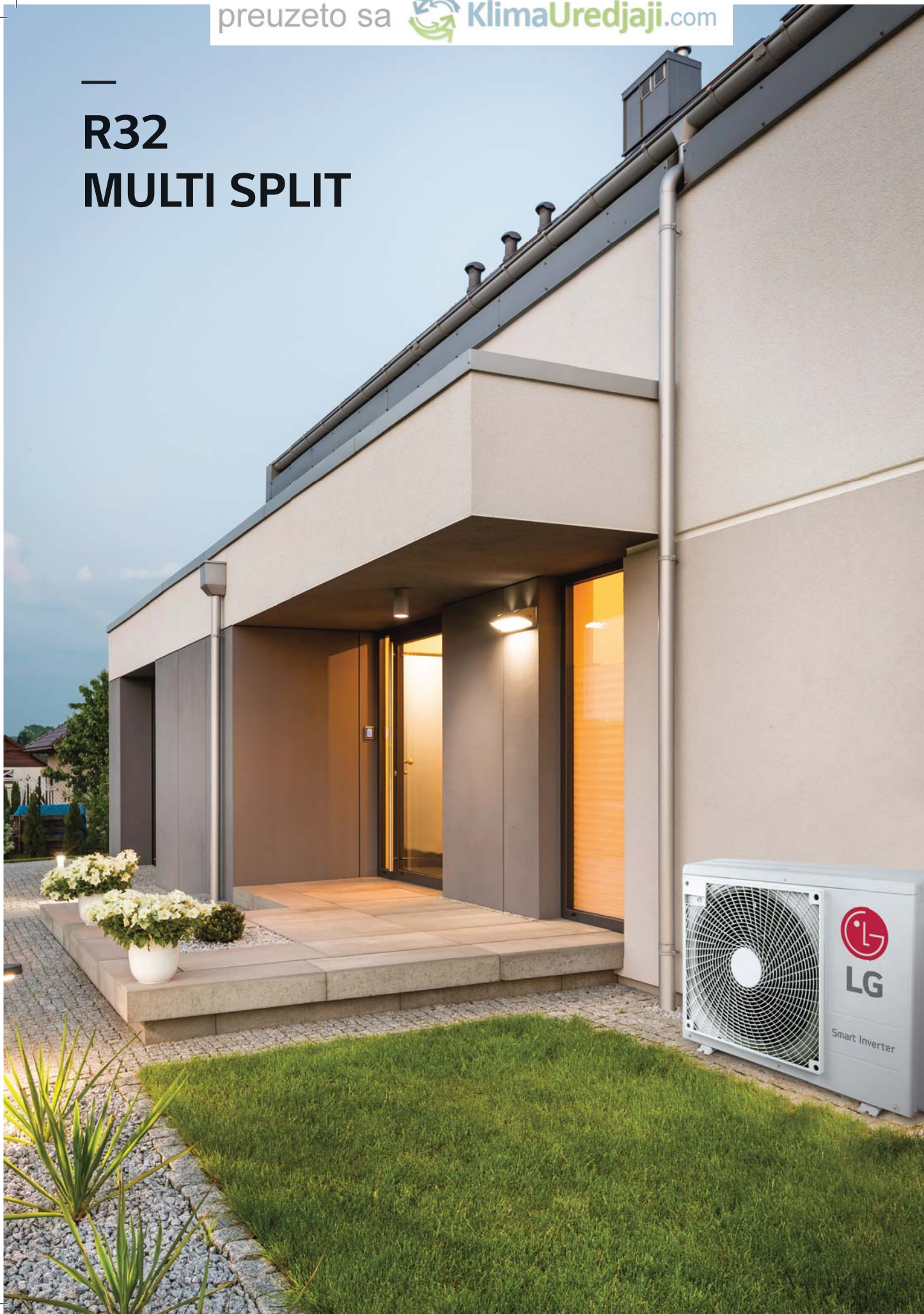
- 
- IDU & ODU Information
 - Cycle & Valves
 - Sensors & Electricity
 - Cycle Diagram
 - Actuator Information

Forced Cooling Operation

The forced cooling operation allows refrigerant to be recharged or pumped down, regardless of the indoor temperature. More importantly this function can be used when indoor units are being moved or repaired.



R32 MULTI SPLIT



R32 MULTI SPLIT

OUTDOOR UNITS

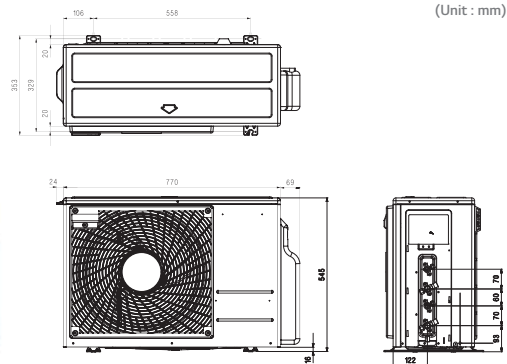


RESIDENTIAL

MU2R15
MU2R17



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



| OUTDOOR UNIT | | | | MU2R15 ULO | MU2R17 ULO |
|-----------------------------|----------------------|-----------------|-----------------------|-----------------------------|---------------------------|
| Compressor | Type | | | Twin Rotary | Twin Rotary |
| Capacity * | Cooling | Min / Nom / Max | kW | 0.9 / 4.1 / 4.7 | 0.9 / 4.7 / 5.4 |
| | Heating | Min / Nom / Max | kW | 1.0 / 4.7 / 5.4 | 1.0 / 5.3 / 5.7 |
| Low Temperature Capacity | Heating -7°C | Max | kW | 3.3 | 3.7 |
| Power Input * | Cooling | Min / Nom / Max | kW | 0.2 / 1.0 / 1.4 | 0.2 / 1.3 / 1.7 |
| | Heating | Min / Nom / Max | kW | 0.2 / 1.1 / 1.4 | 0.2 / 1.3 / 1.6 |
| Running Current | Cooling | Min / Nom / Max | A | 1.1 / 4.6 / 6.4 | 1.1 / 5.6 / 7.9 |
| | Heating | Min / Nom / Max | A | 1.1 / 4.9 / 6.6 | 1.1 / 5.5 / 7.6 |
| EER | | | | 4.14 | 3.75 |
| COP | | | | 4.38 | 4.22 |
| SEER | | | | 8.50 | 7.80 |
| SCOP | | | | 4.20 | 4.20 |
| Pdesign (@-10°C) | | | kW | 4.10 | 4.10 |
| Seasonal Energy Label | Cooling / Heating | | | A+++ (A+++ to D Scale) / A+ | A++ (A++ to E Scale) / A+ |
| Annual Energy Consumption | Cooling / Heating | | | 169 / 1,367 | 210 / 1,367 |
| Airflow Rate | Nom | | m ³ /min | 28.2 | 28.2 |
| Sound Pressure | Cooling | Nom | dBA | 48 | 48 |
| | Heating | Nom | dBA | 51 | 51 |
| Sound Power | Cooling | Max | dBA | 61 | 63 |
| Dimensions | W x H x D | | mm | 770 x 545 x 288 | 770 x 545 x 288 |
| Net Weight | | | Kg | 36 | 36 |
| Refrigerant | Type | | | R32 | R32 |
| | Charge | | Kg | 1.1 | 1.1 |
| | Additional Charge | | g/m | 20 | 20 |
| | GWP | | | 675 | 675 |
| | τ-CO ₂ eq | | | 0.74 | 0.74 |
| Operation Range (Outdoor) | Cooling | Min - Max | °C DB | -10 - 48 | -10 - 48 |
| | Heating | Min - Max | °C WB | -18 - 18 | -18 - 18 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Power Supply Cable | | | No. x mm ² | 3C x 2.5 | 3C x 2.5 |
| Transmission Cable | | | No. x mm ² | 4C x 0.75 | 4C x 0.75 |
| Circuit Breaker | | | A | 15 | 15 |
| Piping Length Total | | | m | 30 | 30 |
| Piping Length per Branch | | Max | m | 20 | 20 |
| Piping Elevation Difference | IDU - ODU | Max | m | 15 | 15 |
| | IDU - IDU | Max | m | 7.5 | 7.5 |
| Piping Connection | Liquid | | mm (inch) x No. | Ø6.35 (1/4) x 2 | Ø6.35 (1/4) x 2 |
| | Gas | | mm (inch) x No. | Ø9.52 (3/8) x 2 | Ø9.52 (3/8) x 2 |

Notes :1. Capacities are based on the following conditions:
Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
- Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
Piping Length: - Interconnecting Piping Length 7.5m
- Level Difference of Zero

2. *: See page "Combination Table".
3. Due to our policy of innovation some specifications may be changed without notification.
4. At least two indoor units should be connected
5. Minimum combination capacity rate should be more than 40%
6. This product contains fluorinated greenhouse gases (R32)

R32 MULTI SPLIT

OUTDOOR UNITS



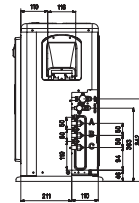
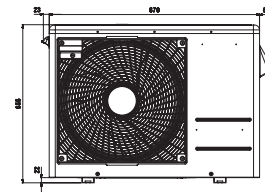
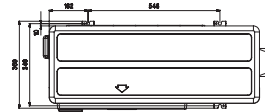
MU3R19

MU3R21

(Unit : mm)



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



| OUTDOOR UNIT | | | | MU3R19 UE0 | MU3R21 UE0 |
|-----------------------------|-------------------------------------|-----------------|-----------------------|------------------|------------------|
| Compressor | Type | | | Twin Rotary | Twin Rotary |
| Capacity * | Cooling | Min / Nom / Max | kW | 1.1 / 5.3 / 6.3 | 1.1 / 6.2 / 7.3 |
| | Heating | Min / Nom / Max | kW | 1.2 / 6.3 / 7.3 | 1.2 / 7.0 / 7.8 |
| Low Temperature Capacity | Heating -7°C | Max | kW | 4.4 | 4.9 |
| Power Input * | Cooling | Min / Nom / Max | kW | 0.2 / 1.2 / 1.8 | 0.2 / 1.4 / 2.1 |
| | Heating | Min / Nom / Max | kW | 0.3 / 1.4 / 2.0 | 0.3 / 1.6 / 2.3 |
| Running Current | Cooling | Min / Nom / Max | A | 1.1 / 5.3 / 8.1 | 1.1 / 6.7 / 9.6 |
| | Heating | Min / Nom / Max | A | 1.1 / 6.3 / 9.4 | 1.1 / 7.4 / 10.6 |
| EER | | | | 4.59 | 4.27 |
| COP | | | | 4.62 | 4.42 |
| SEER | | | | 8.50 | 8.50 |
| SCOP | | | | 4.21 | 4.21 |
| Pdesign (@-10°C) | | | kW | 4.90 | 4.90 |
| Seasonal Energy Label | Cooling / Heating (A+++ to D Scale) | | | A+++ / A+ | A+++ / A+ |
| Annual Energy Consumption | Cooling / Heating | | | 217 / 1,629 | 253 / 1,629 |
| Airflow Rate | Nom | | m ³ /min | 50 | 50 |
| Sound Pressure | Cooling | Nom | dBA | 49 | 50 |
| | Heating | Nom | dBA | 54 | 54 |
| Sound Power | Cooling | Max | dBA | 63 | 64 |
| Dimensions | W x H x D | | mm | 870 x 655 x 320 | 870 x 655 x 320 |
| Net Weight | | | Kg | 44 | 44 |
| Refrigerant | Type | | | R32 | R32 |
| | Charge | | Kg | 1.4 | 1.4 |
| | Additional Charge | | g/m | 20 | 20 |
| | GWP | | | 675 | 675 |
| | t-CO ₂ eq | | | 0.95 | 0.95 |
| Operation Range (Outdoor) | Cooling | Min - Max | °C DB | -10 - 48 | -10 - 48 |
| | Heating | Min - Max | °C WB | -18 - 18 | -18 - 18 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Power Supply Cable | | | No. x mm ² | 3C x 2.5 | 3C x 2.5 |
| Transmission Cable | | | No. x mm ² | 4C x 0.75 | 4C x 0.75 |
| Circuit Breaker | | | A | 20 | 20 |
| Piping Length Total | | | m | 50 | 50 |
| Piping Length per Branch | | Max | m | 25 | 25 |
| Piping Elevation Difference | IDU - ODU | Max | m | 15 | 15 |
| | IDU - IDU | Max | m | 7.5 | 7.5 |
| Piping Connection | Liquid | | mm (inch) x No. | Ø6.35 (1/4) x 3 | Ø6.35 (1/4) x 3 |
| | Gas | | mm (inch) x No. | Ø9.52 (3/8) x 3 | Ø9.52 (3/8) x 3 |

Notes: 1. Capacities are based on the following conditions:

Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB

- Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m

- Level Difference of Zero

2. *: See page "Combination Table".

3. Due to our policy of innovation some specifications may be changed without notification.

4. At least two indoor units should be connected

5. Minimum combination capacity rate should be more than 40%

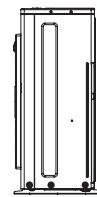
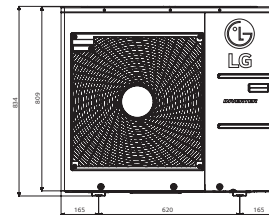
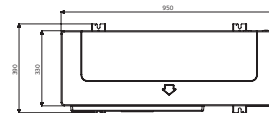
6. This product contains fluorinated greenhouse gases (R32)



MU4R25
MU4R27
MU5R30



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



(Unit : mm)

| OUTDOOR UNIT | | | | MU4R25 U40 | MU4R27 U40 | MU5R30 U40 |
|-----------------------------|------------------------------------|-----------------|-----------------------|------------------|------------------|-------------------|
| Compressor | Type | | | Twin Rotary | Twin Rotary | Twin Rotary |
| Capacity * | Cooling | Min / Nom / Max | kW | 1.3 / 7.0 / 8.5 | 1.3 / 7.9 / 9.5 | 1.3 / 8.8 / 10.6 |
| | Heating | Min / Nom / Max | kW | 1.5 / 8.4 / 9.4 | 1.5 / 9.1 / 10.6 | 1.5 / 10.1 / 12.1 |
| Low Temperature Capacity | Heating -7°C | Max | kW | 5.9 | 6.4 | 7.1 |
| Power Input * | Cooling | Min / Nom / Max | kW | 0.4 / 1.5 / 2.6 | 0.4 / 1.8 / 2.9 | 0.4 / 2.0 / 3.4 |
| | Heating | Min / Nom / Max | kW | 0.6 / 1.8 / 2.9 | 0.6 / 2.1 / 3.4 | 0.6 / 2.2 / 3.6 |
| Running Current | Cooling | Min / Nom / Max | A | 1.9 / 6.6 / 11.9 | 1.9 / 8.1 / 13.1 | 1.9 / 9.1 / 15.2 |
| | Heating | Min / Nom / Max | A | 2.8 / 8.3 / 13.1 | 2.8 / 9.4 / 15.3 | 2.8 / 9.7 / 16.3 |
| EER | | | | 4.82 | 4.39 | 4.40 |
| COP | | | | 4.61 | 4.39 | 4.70 |
| SEER | | | | 8.20 | 8.00 | 8.20 |
| SCOP | | | | 4.20 | 4.20 | 4.20 |
| Pdesign (@-10°C) | | | kW | 7.00 | 7.00 | 7.20 |
| Seasonal Energy Label | Cooling / Heating (A++ to E Scale) | | | A++ / A+ | A++ / A+ | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | | | 299 / 2,333 | 346 / 2,333 | 376 / 2,467 |
| Airflow Rate | Nom | | m ³ /min | 60 | 60 | 60 |
| Sound Pressure | Cooling | Nom | dBA | 49 | 50 | 50 |
| | Heating | Nom | dBA | 53 | 54 | 54 |
| Sound Power | Cooling | Max | dBA | 64 | 65 | 66 |
| Dimensions | W x H x D | | mm | 950 x 834 x 330 | 950 x 834 x 330 | 950 x 834 x 330 |
| Net Weight | | | Kg | 61 | 61 | 61 |
| Refrigerant | Type | | | R32 | R32 | R32 |
| | Charge | | Kg | 2.3 | 2.3 | 2.6 |
| | Additional Charge | | g/m | 20 | 20 | 20 |
| | GWP | | | 675 | 675 | 675 |
| | t-CO ₂ eq | | | 1.55 | 1.55 | 1.76 |
| Operation Range (Outdoor) | Cooling | Min - Max | °C DB | -10 - 48 | -10 - 48 | -10 - 48 |
| | Heating | Min - Max | °C WB | -18 - 18 | -18 - 18 | -18 - 18 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Power Supply Cable | | | No. x mm ² | 3C x 2.5 | 3C x 2.5 | 3C x 2.5 |
| Transmission Cable | | | No. x mm ² | 4C x 0.75 | 4C x 0.75 | 4C x 0.75 |
| Circuit Breaker | | | A | 25 | 25 | 25 |
| Piping Length Total | | | m | 70 | 70 | 75 |
| Piping Length per Branch | | Max | m | 25 | 25 | 25 |
| Piping Elevation Difference | IDU - ODU | Max | m | 15 | 15 | 15 |
| | IDU - IDU | Max | m | 7.5 | 7.5 | 7.5 |
| Piping Connection | Liquid | | mm(inch) x No. | Ø6.35 (1/4) x 4 | Ø6.35 (1/4) x 4 | Ø6.35 (1/4) x 5 |
| | Gas | | mm(inch) x No. | Ø9.52 (3/8) x 4 | Ø9.52 (3/8) x 4 | Ø9.52 (3/8) x 5 |

- Notes :1. Capacities are based on the following conditions:
 Heating - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
 - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
 Piping Length - Interconnecting Piping Length 7.5m
 - Level Difference of Zero
 2. * - See page "Combination Table".
 3. Due to our policy of innovation some specifications may be changed without notification.
 4. At least two indoor units should be connected
 5. Minimum combination capacity rate should be more than 40%
 6. This product contains fluorinated greenhouse gases (R32)

R32 MULTI SPLIT

WALL MOUNTED UNITS

Embedded Wi-Fi

Control your air conditioners via using the smart internet devices as Android or iOS based smartphones. This advanced technology provides you the best convenience.

• LG Smart ThinQ



LG Smart ThinQ

Search "LG Smart ThinQ" on Google market or Appstore then download the app.



• How it Works

Embedded Wi-Fi modem

Check "LG Smart ThinQ" on your air conditioner.

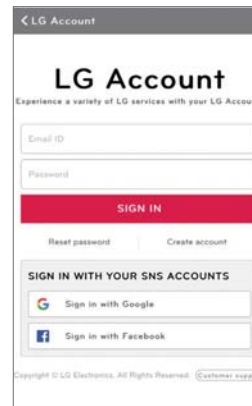


By embedded Wi-Fi modem, get ready for innovation without boundaries.



Easy Registration and Log-in

Follow the easy set-up steps that will activate smart ThinQ's impressive feature.



Wi-Fi Connectivity

Let's every member of your family choose their own preferred air conditioning temperature and fan speed, then save the settings in their app to run later. You can save the setting for each air conditioner as well.

Multiple Devices



* Can be controlled by multiple users, but not simultaneously

Multi-Control





• **Benefit**

Simple operation for various functions

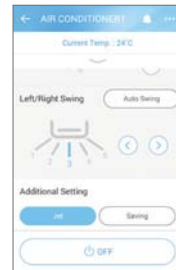
On/Off, Current Temp



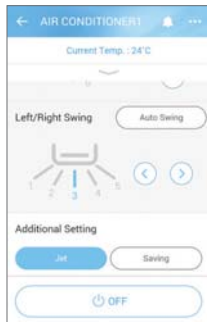
Mode, Set Temp



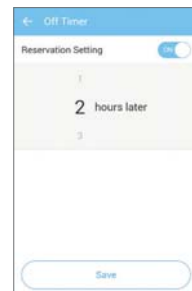
Vane Control



Straight forward Management



Reservation



Energy Monitoring



Smart Diagnosis



Filter Management



Integrated Home Appliances Control

Control / Monitor all 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, Smart ThinQ.



R32 MULTI SPLIT

WALL MOUNTED UNITS

Plasmaster™ Ionizer^{PLUS}

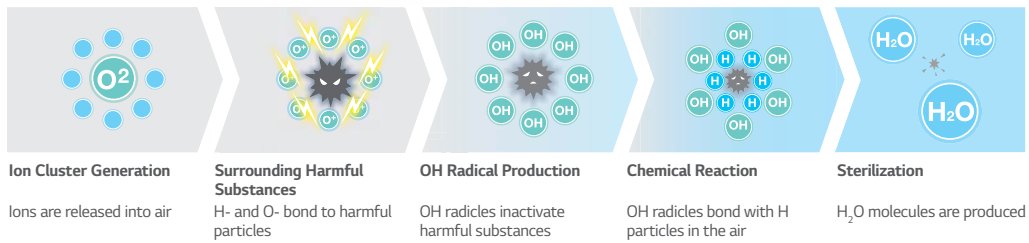
The powerful plasma ionizer protects you from odors and harmful substances in the air with over 3 million ions to sterilize not only the air passing through the air conditioner, but also surrounding surfaces for a safer, cleaner environment.

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

• How It Works

Sterilization and Deodorization (Utilizes Over 3 Million Ions)

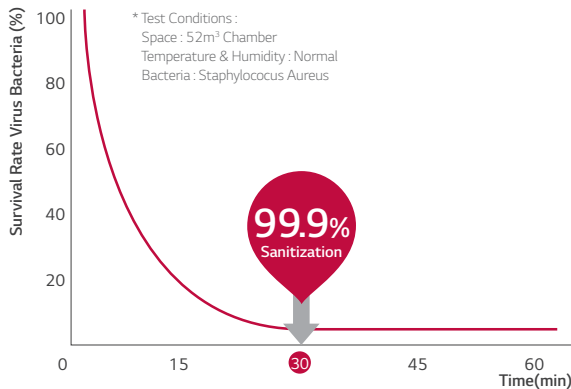
Plasmaster Ionizer+ reduces harmful microscopic particles by infusing the air passing through the air conditioner with over 3 millions ions.



• Test Result

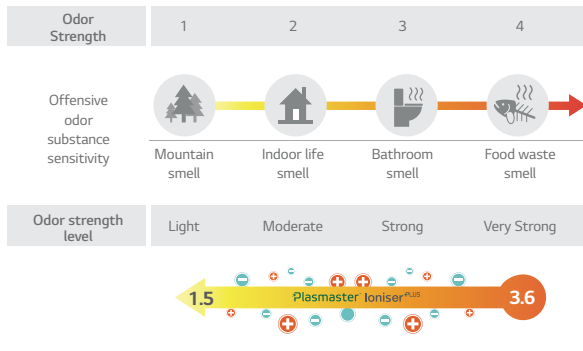
Sterilization Performance Evaluations

Sterilize Bacteria (E.coli colon bacillus) over 99.9% in 30 min.



2.1 odor strength decrease in 60 minutes

An odor of strength 2 or less indicates that there is odor but no sense of displeasure (degree of odor permissible).



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



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

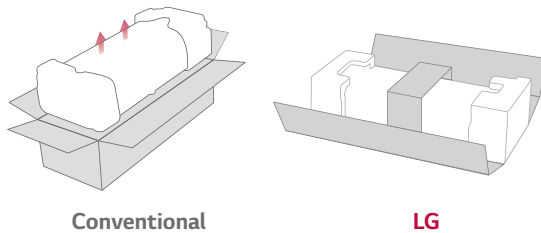
* Specifications may vary for each model.

• Concept

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

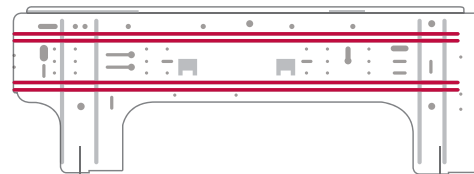
• How It Works

One Simple Packing Box



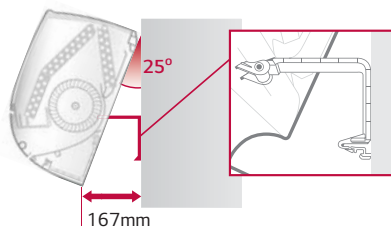
Installation Plate Improvement

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



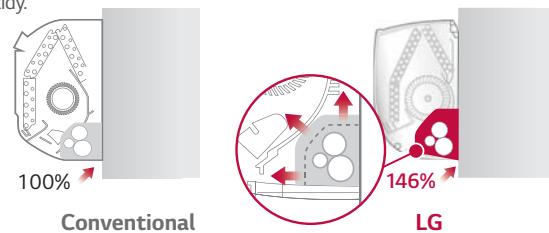
Installation Support Clip

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



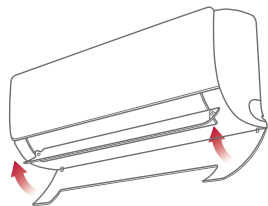
Wider Tubing Space

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



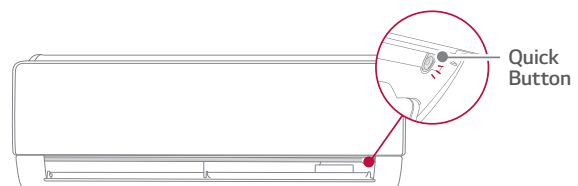
Detachable Bottom Cover

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.



R32 MULTI SPLIT

WALL MOUNTED UNITS



| | | kBtu/h | 05 | 07 | 09 | 12 | 15 | 18 | 24 |
|-------------------|---------|---|-----|----------|-----------|-----------|-----|-----------|----------|
| | | kW | 1.5 | 2.1 | 2.6 | 3.5 | 4.2 | 5.3 | 7.0 |
| Wall Mounted Unit | ARTCOOL |  | - | ● AM07BP | ●● AM09BP | ●● AM12BP | - | ●● AM18BP | ● AM24BP |
| | Deluxe |  | - | ● DM07RP | ●● DC09RQ | ●● DC12RQ | - | ●● DC18RQ | ● DM24RP |

ARTCOOL



| | | | | AM07BP NSJ | AM09BP NSJ | AM12BP NSJ | AM18BP NSK | AM24BP NSK |
|-----------------------|-------------------|-----------|---------------------|------------------|------------------|------------------|-------------------|--------------------|
| Capacity | Cooling / Heating | Nom | kW | 2.1 / 2.3 | 2.5 / 3.2 | 3.5 / 3.8 | 5.0 / 5.8 | 6.6 / 7.5 |
| Power Input | | Nom | W | 17 | 18 | 19 | 39 | 45 |
| Running Current | | Nom | A | 0.14 | 0.16 | 0.17 | 0.28 | 0.33 |
| Power Supply | | | ∅ / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m ³ /min | 8.6 / 7.2 / 5.6 | 9.2 / 7.4 / 5.6 | 9.6 / 8.1 / 5.6 | 14.2 / 11.3 / 9.9 | 15.2 / 12.7 / 10.2 |
| Sound Pressure | | H / M / L | dB(A) | 35 / 32 / 27 | 36 / 33 / 27 | 40 / 35 / 27 | 44 / 38 / 35 | 46 / 41 / 36 |
| Sound Power | | | dB(A) | 57 | 57 | 57 | 59 | 65 |
| Dehumidification Rate | | | l/h | 0.9 | 1.1 | 1.2 | 1.9 | 2.6 |
| Dimension | W x H x D | | mm | 837 x 308 x 192 | 837 x 308 x 192 | 837 x 308 x 192 | 998 x 345 x 212 | 998 x 345 x 212 |
| Net weight | | | kg | 9.1 | 9.9 | 9.9 | 13.2 | 11.6 |
| Piping | Liquid | | mm (inch) | ∅ 6.35 (1/4) | ∅ 6.35 (1/4) | ∅ 6.35 (1/4) | ∅ 6.35 (1/4) | ∅ 6.35 (1/4) |
| Connection | Gas | | mm (inch) | ∅ 9.52 (3/8) | ∅ 9.52 (3/8) | ∅ 9.52 (3/8) | ∅ 12.7 (1/2) | ∅ 12.7 (1/2) |

DELUXE

| | | | | DM07RP NSJ | DC09RQ NSJ | DC12RQ NSJ | DC18RQ NSK | DM24RP NSK |
|-----------------------|-------------------|-----------|---------------------|------------------|------------------|------------------|-------------------|--------------------|
| Capacity | Cooling / Heating | Nom | kW | 2.1 / 2.3 | 2.5 / 3.2 | 3.5 / 4.0 | 5.0 / 5.8 | 6.6 / 7.5 |
| Power Input | | Nom | W | 17 | 18 | 19 | 39 | 45 |
| Running Current | | Nom | A | 0.15 | 0.16 | 0.17 | 0.28 | 0.33 |
| Power Supply | | | ∅ / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m ³ /min | 7.5 / 6.1 / 4.9 | 7.7 / 6.4 / 5.0 | 8.1 / 6.7 / 5.3 | 14.2 / 11.3 / 9.9 | 15.2 / 12.7 / 10.2 |
| Sound Pressure | | H / M / L | dB(A) | 35 / 31 / 26 | 36 / 32 / 27 | 38 / 34 / 29 | 44 / 38 / 34 | 47 / 41 / 36 |
| Sound Power | | | dB(A) | 56 | 56 | 56 | 60 | 64 |
| Dehumidification Rate | | | l/h | 0.9 | 1.1 | 1.2 | 1.9 | 2.6 |
| Dimension | W x H x D | | mm | 837 x 308 x 189 | 837 x 308 x 189 | 837 x 308 x 189 | 998 x 345 x 210 | 998 x 345 x 210 |
| Net weight | | | kg | 8.3 | 8.3 | 8.3 | 12.0 | 12.0 |
| Piping | Liquid | | mm (inch) | ∅ 6.35 (1/4) | ∅ 6.35 (1/4) | ∅ 6.35 (1/4) | ∅ 6.35 (1/4) | ∅ 6.35 (1/4) |
| Connection | Gas | | mm (inch) | ∅ 9.52 (3/8) | ∅ 9.52 (3/8) | ∅ 9.52 (3/8) | ∅ 12.7 (1/2) | ∅ 12.7 (1/2) |

* Preliminary Data



| | | kBtu/h | 05 | 07 | 09 | 12 | 15 | 18 | 24 |
|-------------------|---------------|---|----------|----------|-----------|-----------|----------|-----------|----------|
| | | kW | 1.5 | 2.1 | 2.6 | 3.5 | 4.2 | 5.3 | 7.0 |
| Wall Mounted Unit | Standard Plus |  | ● PM05SP | ● PM07SP | ○● PC09SQ | ○● PC12SQ | ● PM15SP | ○● PC18SQ | ● PM24SP |
| | |  | ● MJ05PC | ● MJ07PC | ● MJ09PC | ● MJ12PC | ● MJ15PC | ● MJ18PC | ● MJ24PC |

STANDARD PLUS

| | | | | PM05SP NSJ | PM07SP NSJ | PC09SQ NSJ | PC12SQ NSJ | PM15SP NSJ | PC18SQ NSK | PM24SP NSK |
|-----------------------|-------------------|-----------|---------------------|------------------|------------------|------------------|------------------|------------------|-------------------|--------------------|
| Capacity | Cooling / Heating | Nom | kW | 1.5 / 1.6 | 2.1 / 2.3 | 2.5 / 3.2 | 3.5 / 3.8 | 4.2 / 5.4 | 5.0 / 5.8 | 6.6 / 7.5 |
| Power Input | | Nom | W | 16 | 17 | 18 | 19 | 21 | 39 | 45 |
| Running Current | | Nom | A | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 | 0.28 | 0.33 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m ³ /min | 8.3 / 6.7 / 5.6 | 8.6 / 7.2 / 5.6 | 9.2 / 7.4 / 5.6 | 9.6 / 8.1 / 5.6 | 10.0 / 8.5 / 6.1 | 14.2 / 11.3 / 9.9 | 15.2 / 12.7 / 10.2 |
| Sound Pressure | | H / M / L | dB(A) | 34 / 31 / 27 | 35 / 32 / 27 | 36 / 33 / 27 | 40 / 35 / 27 | 41 / 36 / 29 | 44 / 38 / 35 | 46 / 41 / 36 |
| Sound Power | | | dB(A) | 57 | 57 | 57 | 57 | 57 | 59 | 65 |
| Dehumidification Rate | | | l/h | 0.9 | 0.9 | 1.1 | 1.2 | 1.2 | 1.9 | 2.6 |
| Dimension | W x H x D | | mm | 837 x 308 x 189 | 837 x 308 x 189 | 837 x 308 x 189 | 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 | 8.7 | 8.7 | 8.7 | 12.0 | 12.8 |
| Piping | Liquid | | mm (inch) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) |
| Connection | Gas | | mm (inch) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 12.7 (1/2) | Ø 12.7 (1/2) |

| | | | | MJ05PC NSJ | MJ07PC NSJ | MJ09PC NSJ | MJ12PC NSJ | MJ15PC NSJ | MJ18PC NSK | MJ24PC NSK |
|-----------------------|-------------------|-----------|---------------------|------------------|------------------|------------------|------------------|------------------|-------------------|--------------------|
| Capacity | Cooling / Heating | Nom | kW | 1.5 / 1.6 | 2.1 / 2.3 | 2.5 / 3.2 | 3.5 / 3.8 | 4.2 / 5.4 | 5.0 / 5.8 | 6.6 / 7.5 |
| Power Input | | Nom | W | 16 | 17 | 18 | 19 | 21 | 39 | 45 |
| Running Current | | Nom | A | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 | 0.28 | 0.33 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m ³ /min | 8.3 / 6.7 / 5.6 | 8.6 / 7.2 / 5.6 | 9.2 / 7.4 / 5.6 | 9.6 / 8.1 / 5.6 | 10.0 / 8.5 / 6.1 | 14.2 / 11.3 / 9.9 | 15.2 / 12.7 / 10.2 |
| Sound Pressure | | H / M / L | dB(A) | 34 / 31 / 27 | 35 / 32 / 27 | 36 / 33 / 27 | 40 / 35 / 27 | 41 / 36 / 29 | 44 / 38 / 35 | 46 / 41 / 36 |
| Sound Power | | | dB(A) | 57 | 57 | 57 | 57 | 57 | 59 | 65 |
| Dehumidification Rate | | | l/h | 0.9 | 0.9 | 1.1 | 1.2 | 1.2 | 1.9 | 2.6 |
| Dimension | W x H x D | | mm | 837 x 308 x 189 | 837 x 308 x 189 | 837 x 308 x 189 | 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 | 8.7 | 8.7 | 8.7 | 12.0 | 12.8 |
| Piping | Liquid | | mm (inch) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) |
| Connection | Gas | | mm (inch) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 12.7 (1/2) | Ø 12.7 (1/2) |

* Preliminary Data

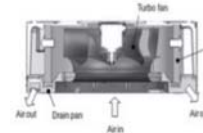
R32 MULTI SPLIT

CEILING MOUNTED CASSETTE

Human detect sensor & humidity sensor



Human detection sensor



Apply human detection sensor

- Apply vision sensor
- Saving energy
- Supply comfortable flow

Comfortable and Power Saving Control based on Humidity

- Apply humidity sensor
- Saving energy

• Detection

Checking no. of people and movement per 20seconds



20seconds 



• Detection range



Height 3.2 (15 x 8m)



Height 3.5 (16 x 10m)

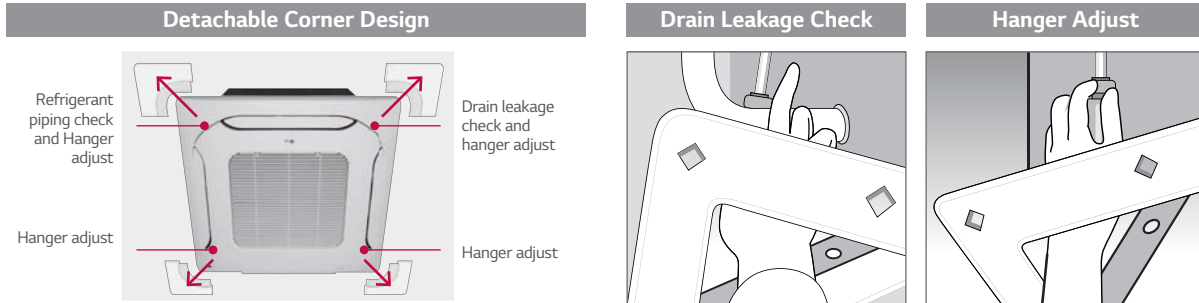


A sensor is installed 90° rotation
12 x 6m → 6 x 12m detecting

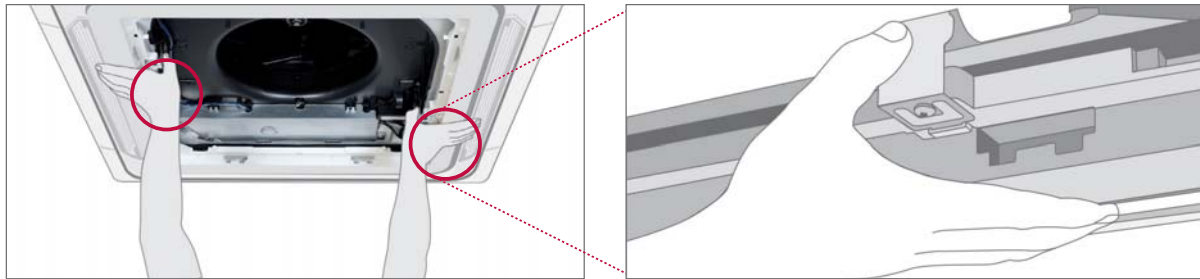



Convenient Panel Installation

The detachable corner design makes it easy to adjust the hanger during installation and to check for leakages in the drain connection pipe.



It is easy to install the panel to the body, using the button type panel design.



| | | kBtu/h | 05 | 07 | 09 | 12 | 15 | 18 | 24 |
|--------------------------|----------------|---|-------|-------|-------|-------|-----|-------|-------|
| | | kW | 1.5 | 2.1 | 2.6 | 3.5 | 4.2 | 5.3 | 7.0 |
| Ceiling Mounted Cassette | 4 Way Cassette |  | ● | ● | ● | ● | | ● | ● |
| | | | MT06R | MT08R | CT09R | CT12R | | CT18R | CT24R |

Cassette

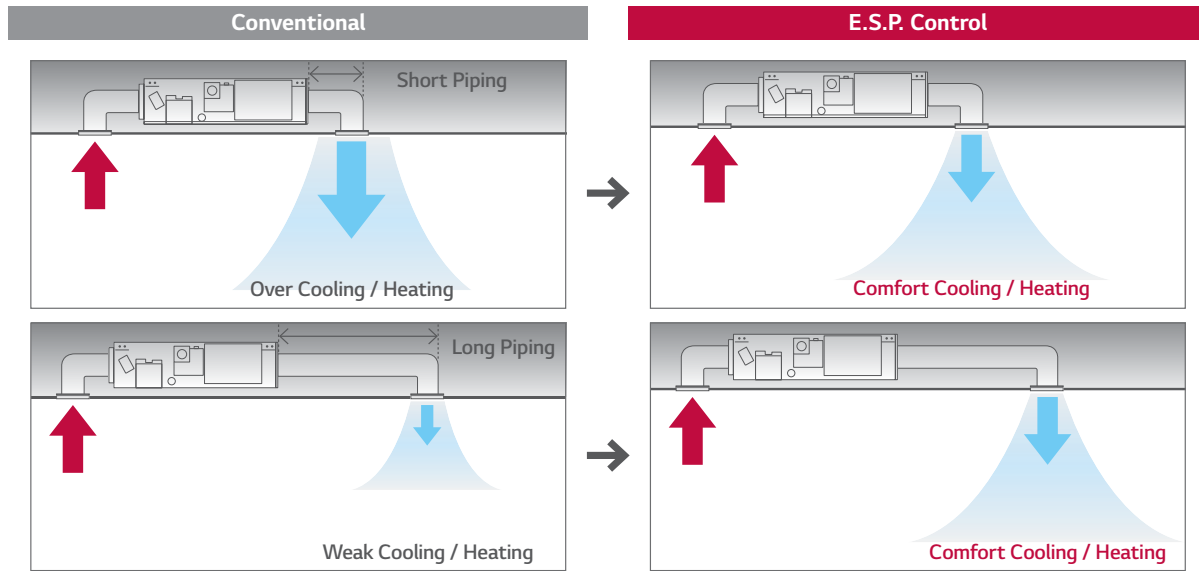
| | | | | MT06R NRO | MT08R NRO | CT09R NRO | CT12R NRO | CT18R NQO | CT24R NPO |
|-----------------------|-------------------|-----------|---------------------|-------------------------|------------------|------------------|------------------|--------------------|--------------------|
| Capacity | Cooling / Heating | Nom | kW | 1.5 / 1.6 | 2.1 / 2.3 | 2.6 / 2.9 | 3.5 / 3.9 | 5.3 / 5.8 | 6.7 / 7.5 |
| Power Input | | Nom | W | 20 | 20 | 20 | 20 | 40 | 60 |
| Running Current | | Nom | A | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.60 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m ³ /min | 7.5 / 6.0 / 5.0 | 7.5 / 6.0 / 5.0 | 8.5 / 7.0 / 6.0 | 9.5 / 8.0 / 7.0 | 13.0 / 12.0 / 11.0 | 17.0 / 15.0 / 13.0 |
| Sound Pressure | | H / M / L | dB(A) | 31 / 27 / 24 | 31 / 27 / 24 | 36 / 33 / 30 | 38 / 35 / 32 | 41 / 39 / 36 | 38 / 36 / 34 |
| Sound Power | | | dB(A) | 48 | 48 | 52 | 52 | 57 | 57 |
| Dehumidification Rate | | | l/h | - | - | 0.9 | 1.4 | 2.0 | 2.7 |
| Dimension | | W x H x D | mm | 570 x 214 x 570 | 570 x 214 x 570 | 570 x 214 x 570 | 570 x 214 x 570 | 570 x 256 x 570 | 840 x 204 x 840 |
| Net weight | | | kg | 14.0 | 14.0 | 14.0 | 14.0 | 14.3 | 20.5 |
| Piping Connection | Liquid | | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) | Ø6.35 (1/4) | Ø6.35 (1/4) | Ø6.35 (1/4) | Ø6.35 (1/4) |
| | Gas | | mm (inch) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø12.7 (1/2) | Ø12.7 (1/2) |
| Decoration Panel | Model | | | PT-QCHW0 | PT-QCHW0 | PT-MCHW0 | PT-MCHW0 | PT-MCHW0 | PT-MCHW0 |
| | Color | | | Morning Fog (RAL 120-4) | | | | | |
| | Dimensions | W x H x D | mm | 620 x 20 x 620 | 620 x 20 x 620 | 620 x 20 x 620 | 620 x 20 x 620 | 620 x 20 x 620 | 950 x 35 x 950 |
| | Weight | | kg | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 6.3 |

R32 MULTI SPLIT

CEILING CONCEALED DUCT

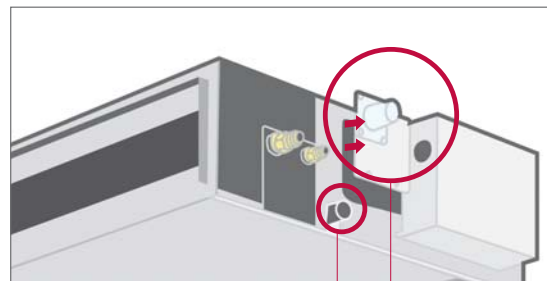
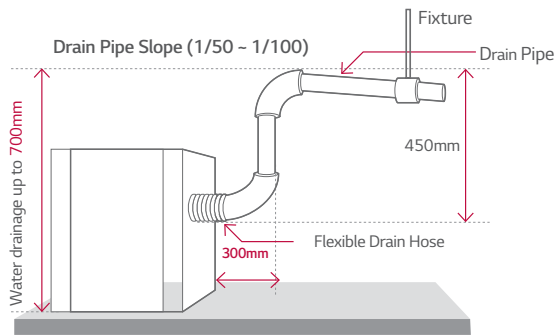
E.S.P. (External Static Pressure) Control

E.S.P. control function can make air volume controlled easily with remote controller. The BLDC motor can control fan speed and air volume regardless of the external static pressure. No additional accessories are necessary to control air flow.



High Head Drain Pump



High head drain pump automatically drains water up to 200mm of drain-head height. It provides perfect solution for water drainage. (H-Inverter : Included / Standard Inverter : Accessory (ABDPG) / Low-Static Duct : Included)



Available for Natural Drainage
Detachable Drain Pump



RESIDENTIAL

| | | kBtu/h | 05 | 07 | 09 | 12 | 15 | 18 | 24 |
|------------------------|----------------------------|---|-----|-----|---------|---------|-----|---------|---------|
| | | kW | 1.5 | 2.1 | 2.6 | 3.5 | 4.2 | 5.3 | 7.0 |
| Ceiling Concealed Duct | Mid / High Static Pressure |  | - | - | - | - | - | ● CM18R | ● CM24R |
| | Low Static Pressure |  | - | - | ● CL09R | ● CL12R | - | ● CL18R | ● CL24R |

Duct (Mid Static)

| | | | | CM18R N10 | CM24R N10 |
|--------------------------|-------------------|-----------|---------------------|--------------------|--------------------|
| Capacity | Cooling / Heating | Nom | kW | 5.3 / 5.8 | 7.0 / 7.7 |
| Power Input | | Nom | W | 160 | 180 |
| Running Current | | Nom | A | 0.90 | 1.00 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m ³ /min | 16.5 / 14.5 / 13.0 | 18.0 / 16.5 / 14.5 |
| Sound Pressure | | H / M / L | dB(A) | 34 / 32 / 30 | 35 / 34 / 32 |
| Sound Power | | | dB(A) | 59 | 60 |
| Dehumidification Rate | | | l/h | 1.5 | 2.5 |
| Dimension | | W x H x D | mm | 900 x 270 x 700 | 900 x 270 x 700 |
| Net weight | | | kg | 26.5 | 26.5 |
| Piping | Liquid | | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) |
| Connection | Gas | | mm (inch) | Ø12.7 (1/2) | Ø12.7 (1/2) |
| External Static Pressure | Min-Max | | mmAq (Pa) | 2-15 (20-147) | 2-15 (20-147) |

Duct (Low Static)

| | | | | CL09R N20 | CL12R N20 | CL18R N20 | CL24R N30 |
|--------------------------|-------------------|-----------|---------------------|------------------|------------------|--------------------|--------------------|
| Capacity | Cooling / Heating | Nom | kW | 2.6 / 2.9 | 3.5 / 3.9 | 5.3 / 5.8 | 7.0 / 7.7 |
| Power Input | | Nom | W | 100 | 100 | 140 | 160 |
| Running Current | | Nom | A | 0.80 | 0.80 | 0.80 | 1.00 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m ³ /min | 10.0 / 8.5 / 7.0 | 10.0 / 8.5 / 7.0 | 15.0 / 12.5 / 10.0 | 20.0 / 16.0 / 12.0 |
| Sound Pressure | | H / M / L | dB(A) | 31 / 28 / 27 | 31 / 28 / 27 | 36 / 34 / 31 | 39 / 35 / 32 |
| Sound Power | | | dB(A) | 55 | 55 | 54 | 58 |
| Dehumidification Rate | | | l/h | 0.55 | 1.11 | 1.58 | 2.65 |
| Dimension | | W x H x D | mm | 900 x 190 x 700 | 900 x 190 x 700 | 900 x 190 x 700 | 1,100 x 190 x 700 |
| Net weight | | | kg | 24.0 | 24.0 | 24.0 | 27.0 |
| Piping | Liquid | | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) | Ø6.35 (1/4) | Ø6.35 (1/4) |
| Connection | Gas | | mm (inch) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø12.7 (1/2) | Ø12.7 (1/2) |
| External Static Pressure | Min-Max | | mmAq (Pa) | 0-5 (0-50) | 0-5 (0-50) | 0-5 (0-50) | 0-5 (0-50) |

R410A MULTI SPLIT



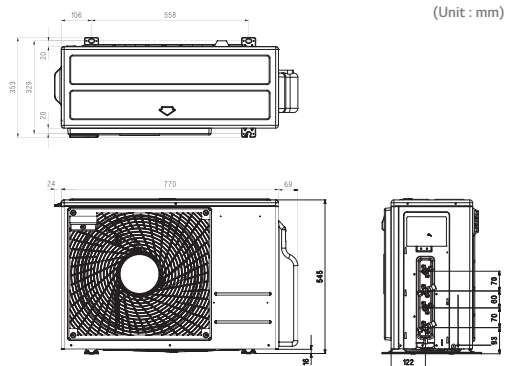
R410A MULTI SPLIT

OUTDOOR UNITS

MU2M15
MU2M17



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:www.eurovent-certification.com



| OUTDOOR UNIT | | | | MU2M15 UL4 | MU2M17 UL4 |
|-----------------------------|------------------------------------|-----------------|-----------------------|------------------|------------------|
| Compressor | Type | | | Twin Rotary | Twin Rotary |
| Capacity * | Cooling | Min / Nom / Max | kW | 0.9 / 4.1 / 4.7 | 0.9 / 4.7 / 5.4 |
| | Heating | Min / Nom / Max | kW | 1.0 / 4.7 / 5.4 | 1.0 / 5.3 / 5.7 |
| Low Temperature Capacity | Heating -7°C | Max | kW | 3.3 | 3.7 |
| Power Input * | Cooling | Min / Nom / Max | kW | 0.2 / 1.0 / 1.4 | 0.2 / 1.3 / 1.7 |
| | Heating | Min / Nom / Max | kW | 0.2 / 1.1 / 1.5 | 0.2 / 1.2 / 1.7 |
| Running Current | Cooling | Min / Nom / Max | A | 1.1 / 4.6 / 6.4 | 1.1 / 5.6 / 7.9 |
| | Heating | Min / Nom / Max | A | 1.1 / 4.9 / 6.7 | 1.1 / 5.5 / 7.6 |
| EER | | | | 4.15 | 3.75 |
| COP | | | | 4.40 | 4.25 |
| SEER | | | | 7.60 | 7.50 |
| SCOP | | | | 4.20 | 4.20 |
| Pdesign (@-10°C) | | | kW | 4.1 | 4.1 |
| Seasonal Energy Label | Cooling / Heating (A++ to E Scale) | | | A++ / A+ | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | | | 189 / 1,367 | 219 / 1,367 |
| Airflow Rate | Nom | | m ³ /min | 28.2 | 28.2 |
| Sound Pressure | Cooling | Nom | dBA | 48 | 48 |
| | Heating | Nom | dBA | 51 | 51 |
| Sound Power | Cooling | Max | dBA | 61 | 63 |
| Dimensions | W x H x D | | mm | 770 x 545 x 288 | 770 x 545 x 288 |
| Net Weight | | | Kg | 37 | 37 |
| Refrigerant | Type | | | R410A | R410A |
| | Charge | | Kg | 1.4 | 1.4 |
| | Additional Charge | | g/m | 20 | 20 |
| | GWP | | | 2,087.5 | 2,087.5 |
| | t-CO ₂ eq | | | 2.9 | 2.9 |
| Operation Range (Outdoor) | Cooling | Min - Max | °C DB | -10 - 48 | -10 - 48 |
| | Heating | Min - Max | °C WB | -18 - 18 | -18 - 18 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Power Supply Cable | | | No. x mm ² | 3C x 2.5 | 3C x 2.5 |
| Transmission Cable | | | No. x mm ² | 4C x 0.75 | 4C x 0.75 |
| Circuit Breaker | | | A | 15 | 15 |
| Piping Length Total | | | m | 30 | 30 |
| Piping Length per Branch | | Max | m | 20 | 20 |
| Piping Elevation Difference | IDU - ODU | Max | m | 15 | 15 |
| | IDU - IDU | Max | m | 7.5 | 7.5 |
| Piping Connection | Liquid | | mm(inch) x No. | Ø6.35 (1/4) x 2 | Ø6.35 (1/4) x 2 |
| | Gas | | mm(inch) x No. | Ø9.52 (3/8) x 2 | Ø9.52 (3/8) x 2 |

Notes :1. Capacities are based on the following conditions

Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
- Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB

Piping Length: - Interconnecting Piping Length 7.5m
- Level Difference of Zero

2. *: See page "Combination Table".

3. Due to our policy of innovation some specifications may be changed without notification.

4. At least two indoor units should be connected

5. Minimum combination capacity rate should be more than 40%

6. This product contains fluorinated greenhouse gases (R410A)

R410A MULTI SPLIT

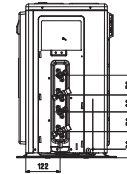
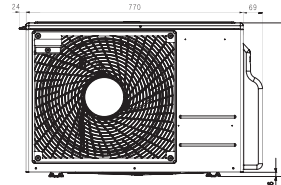
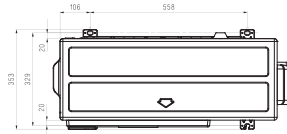
OUTDOOR UNITS

MU3M19

MU3M21



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| OUTDOOR UNIT | | | | MU3M19 UE4 | MU3M21 UE4 |
|-----------------------------|------------------------------------|-----------------|-----------------------|------------------|------------------|
| Compressor | Type | | | Twin Rotary | Twin Rotary |
| Capacity * | Cooling | Min / Nom / Max | kW | 1.1 / 5.3 / 6.3 | 1.1 / 6.2 / 7.3 |
| | Heating | Min / Nom / Max | kW | 1.2 / 6.3 / 7.3 | 1.2 / 7.0 / 7.8 |
| Low Temperature Capacity | Heating -7°C | Max | kW | 4.4 | 4.9 |
| Power Input * | Cooling | Min / Nom / Max | kW | 0.3 / 1.3 / 1.8 | 0.3 / 1.6 / 2.2 |
| | Heating | Min / Nom / Max | kW | 0.3 / 1.5 / 2.1 | 0.3 / 1.7 / 2.4 |
| Running Current | Cooling | Min / Nom / Max | A | 1.2 / 5.8 / 8.7 | 1.2 / 7.2 / 10.0 |
| | Heating | Min / Nom / Max | A | 1.2 / 6.8 / 9.7 | 1.2 / 7.7 / 11.0 |
| EER | | | | 4.20 | 4.00 |
| COP | | | | 4.30 | 4.20 |
| SEER | | | | 7.60 | 7.30 |
| SCOP | | | | 4.21 | 4.21 |
| Pdesign (@-10°C) | | | kW | 5.2 | 5.2 |
| Seasonal Energy Label | Cooling / Heating (A++ to E Scale) | | | A++ / A+ | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | | | 243 / 1,729 | 283 / 1,729 |
| Airflow Rate | Nom | | m ³ /min | 50 | 50 |
| Sound Pressure | Cooling | Nom | dBA | 49 | 50 |
| | Heating | Nom | dBA | 54 | 54 |
| Sound Power | Cooling | Max | dBA | 63 | 64 |
| Dimensions | W x H x D | | mm | 870 x 655 x 320 | 870 x 655 x 320 |
| Net Weight | | | Kg | 45 | 45 |
| Refrigerant | Type | | | R410A | R410A |
| | Charge | | Kg | 1.7 | 1.7 |
| | Additional Charge | | g/m | 20 | 20 |
| | GWP | | | 2,087.5 | 2,087.5 |
| Operation Range (Outdoor) | t-CO ₂ eq | | | 3.5 | 3.5 |
| | Cooling | Min - Max | °C DB | -10 - 48 | -10 - 48 |
| | Heating | Min - Max | °C WB | -18 - 18 | -18 - 18 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Power Supply Cable | | | No. x mm ² | 3C x 2.5 | 3C x 2.5 |
| Transmission Cable | | | No. x mm ² | 4C x 0.75 | 4C x 0.75 |
| Circuit Breaker | | | A | 20 | 20 |
| Piping Length Total | | | m | 50 | 50 |
| Piping Length per Branch | | Max | m | 25 | 25 |
| Piping Elevation Difference | IDU - ODU | Max | m | 15 | 15 |
| | IDU - IDU | Max | m | 7.5 | 7.5 |
| Piping Connection | Liquid | | mm(inch) x No. | Ø6.35 (1/4) x 3 | Ø6.35 (1/4) x 3 |
| | Gas | | mm(inch) x No. | Ø9.52 (3/8) x 3 | Ø9.52 (3/8) x 3 |

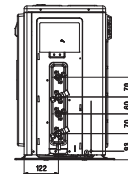
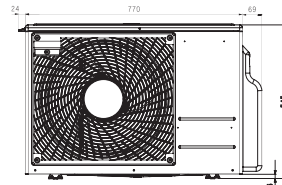
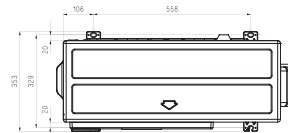
Notes: 1. Capacities are based on the following conditions
 Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
 - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
 Piping Length: - Interconnecting Piping Length 7.5m
 - Level Difference of Zero

2. *: See page "Combination Table".
3. Due to our policy of innovation some specifications may be changed without notification.
4. At least two indoor units should be connected
5. Minimum combination capacity rate should be more than 40%
6. This product contains fluorinated greenhouse gases (R410A)

**MU4M25
MU4M27
MU5M30**



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(Unit : mm)

| OUTDOOR UNIT | | | | MU4M25 U44 | MU4M27 U44 | MU5M30 U44 |
|-----------------------------|------------------------------------|-----------------|-----------------------|------------------|------------------|-------------------|
| Compressor | Type | | | Twin Rotary | Twin Rotary | Twin Rotary |
| Capacity * | Cooling | Min / Nom / Max | kW | 1.3 / 7.0 / 8.5 | 1.3 / 7.9 / 9.5 | 1.3 / 8.8 / 10.6 |
| | Heating | Min / Nom / Max | kW | 1.5 / 8.4 / 9.4 | 1.5 / 9.1 / 10.6 | 1.5 / 10.1 / 12.1 |
| Low Temperature Capacity | Heating -7°C | Max | kW | 5.9 | 6.4 | 7.1 |
| Power Input * | Cooling | Min / Nom / Max | kW | 0.4 / 1.6 / 2.7 | 0.4 / 2.0 / 3.2 | 0.4 / 2.3 / 3.6 |
| | Heating | Min / Nom / Max | kW | 0.6 / 1.9 / 3.0 | 0.6 / 2.1 / 3.5 | 0.6 / 2.3 / 3.7 |
| Running Current | Cooling | Min / Nom / Max | A | 1.9 / 7.4 / 12.1 | 1.9 / 8.9 / 14.4 | 1.9 / 10.2 / 16.2 |
| | Heating | Min / Nom / Max | A | 2.8 / 8.6 / 13.4 | 2.8 / 9.6 / 15.7 | 2.8 / 10.4 / 16.8 |
| EER | | | | 4.30 | 4.00 | 3.90 |
| COP | | | | 4.40 | 4.30 | 4.41 |
| SEER | | | | 7.30 | 7.20 | 7.00 |
| SCOP | | | | 4.00 | 4.00 | 4.00 |
| Pdesign (@-10°C) | | | kW | 7.0 | 7.0 | 7.2 |
| Seasonal Energy Label | Cooling / Heating (A++ to E Scale) | | | A++ / A+ | A++ / A+ | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | | | 337 / 2,450 | 385 / 2,450 | 440 / 2,520 |
| Airflow Rate | Nom | | m ³ /min | 60 | 60 | 60 |
| Sound Pressure | Cooling | Nom | dBA | 49 | 50 | 50 |
| | Heating | Nom | dBA | 53 | 54 | 54 |
| Sound Power | Cooling | Max | dBA | 64 | 65 | 66 |
| Dimensions | W x H x D | | mm | 950 x 834 x 330 | 950 x 834 x 330 | 950 x 834 x 330 |
| Net Weight | | | Kg | 61 | 61 | 61 |
| Refrigerant | Type | | | R410A | R410A | R410A |
| | Charge | | Kg | 2.8 | 2.8 | 3.2 |
| | Additional Charge | | g/m | 20 | 20 | 20 |
| | GWP | | | 2,087.5 | 2,087.5 | 2,087.5 |
| | t-CO ₂ eq | | | 5.8 | 5.8 | 6.7 |
| Operation Range (Outdoor) | Cooling | Min - Max | °C DB | -10 - 48 | -10 - 48 | -10 - 48 |
| | Heating | Min - Max | °C WB | -18 - 18 | -18 - 18 | -18 - 18 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Power Supply Cable | | | No. x mm ² | 3C x 2.5 | 3C x 2.5 | 3C x 2.5 |
| Transmission Cable | | | No. x mm ² | 4C x 0.75 | 4C x 0.75 | 4C x 0.75 |
| Circuit Breaker | | | A | 25 | 25 | 25 |
| Piping Length Total | | | m | 70 | 70 | 75 |
| Piping Length per Branch | | Max | m | 25 | 25 | 25 |
| Piping Elevation Difference | IDU - ODU | Max | m | 15 | 15 | 15 |
| | IDU - IDU | Max | m | 7.5 | 7.5 | 7.5 |
| Piping Connection | Liquid | | mm(inch) x No. | Ø6.35 (1/4) x 4 | Ø6.35 (1/4) x 4 | Ø6.35 (1/4) x 5 |
| | Gas | | mm(inch) x No. | Ø9.52 (3/8) x 4 | Ø9.52 (3/8) x 4 | Ø9.52 (3/8) x 5 |

Notes :1. Capacities are based on the following conditions
 Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
 - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
 Piping Length: - Interconnecting Piping Length 7.5m
 - Level Difference of Zero
 2. *: See page "Combination Table".
 3. Due to our policy of innovation some specifications may be changed without notification.
 4. At least two indoor units should be connected
 5. Minimum combination capacity rate should be more than 40%
 6. This product contains fluorinated greenhouse gases (R410A)

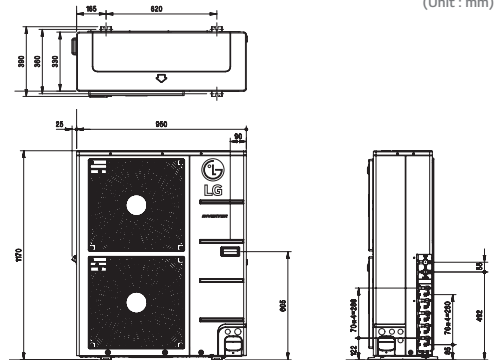
R410A MULTI SPLIT

OUTDOOR UNITS

MU5M40



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



| OUTDOOR | | | | MU5M40 UO2 |
|-----------------------------|------------------------------------|-----------------|-----------------------|-------------------|
| Compressor | Type | | | Twin Rotary |
| Capacity* | Cooling | Min / Nom / Max | kW | 0.9 / 11.2 / 13.5 |
| | Heating | Min / Nom / Max | kW | 1.0 / 12.5 / 15.0 |
| Low Temperature Capacity | Heating -7°C | Max | kW | 11.0 |
| Power Input* | Cooling | Min / Nom / Max | kW | 0.8 / 2.7 / 4.2 |
| | Heating | Min / Nom / Max | kW | 0.8 / 2.8 / 4.5 |
| Running Current | Cooling | Min / Nom / Max | A | 3.5 / 12.1 / 18.4 |
| | Heating | Min / Nom / Max | A | 3.6 / 12.5 / 19.7 |
| EER | | | | 4.10 |
| COP | | | | 4.45 |
| SEER | | | | 5.80 |
| SCOP | | | | 3.81 |
| Pdesign (@ -10°C) | | | kW | 11.8 |
| Seasonal Energy Label | Cooling / Heating (A++ to E Scale) | | | A+ / A |
| Annual Energy Consumption | Cooling / Heating | | kWh | 643 / 4,236 |
| Airflow Rate | | Nom | m ³ /min | 90 |
| Sound Pressure | Cooling | Nom | dBA | 53 |
| | Heating | Nom | dBA | 55 |
| Sound Power | Cooling | Max | dBA | 67 |
| Dimensions | W x H x D | | mm | 950 x 1,170 x 330 |
| Net Weight | | | kg | 84.0 |
| Refrigerant | Type | | | R410A |
| | Charge | | kg | 3.8 |
| | Additional Charge | | g/m | 20 |
| | GWP | | | 2,087.5 |
| | t-CO ₂ eq | | | 7.9 |
| Operation Range (Outdoor) | Cooling | Min - Max | °C DB | -10 - 48 |
| | Heating | Min - Max | °C WB | -18 - 18 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 |
| Power Supply Cable | | | No. x mm ² | 3C x 3.5 |
| Transmission Cable | | | No. x mm ² | 4C x 0.75 |
| Circuit Breaker | | | A | 30 |
| Piping Length Total | | | m | 85 |
| Piping Length per Branch | | Max | m | 25 |
| | | | | |
| Piping Elevation Difference | IDU - ODU | Max | m | 15 |
| | IDU - IDU | Max | m | 7.5 |
| Piping Connection | Liquid | | mm (inch) x No. | Ø6.35 (1/4) x 5 |
| | Gas | | mm (inch) x No. | Ø9.52 (3/8) x 5 |

Note : 1. Capacities are based on the following conditions:

Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.

2. * - See page "Combination Table".

3. Due to our policy of innovation some specifications may be changed without notification.

4. At least two indoor units should be connected.

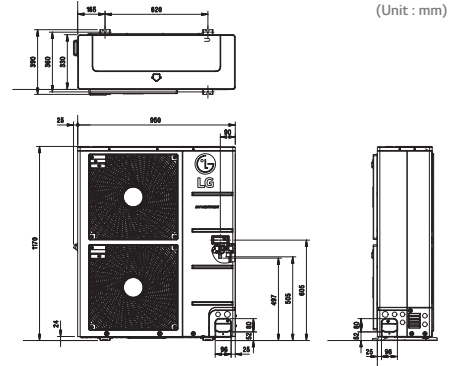
5. Minimum combination capacity rate should be more than 40%.

6. This product contains fluorinated greenhouse gases (R410A)

FM40AH



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



| OUTDOOR | | | | FM40AH UO2 |
|-----------------------------|------------------------------------|-----------------|-----------------------|-------------------|
| Compressor | Type | | | Twin Rotary |
| Capacity* | Cooling | Min / Nom / Max | kW | 2.8 / 11.2 / 13.5 |
| | Heating | Min / Nom / Max | kW | 3.1 / 12.5 / 15.0 |
| Low Temperature Capacity | Heating -7°C | Max | kW | 11.0 |
| Power Input* | Cooling | Min / Nom / Max | kW | 0.8 / 2.7 / 4.2 |
| | Heating | Min / Nom / Max | kW | 0.8 / 2.8 / 4.5 |
| Running Current | Cooling | Min / Nom / Max | A | 3.5 / 12.1 / 18.4 |
| | Heating | Min / Nom / Max | A | 3.6 / 12.5 / 19.7 |
| EER | | | | 4.10 |
| COP | | | | 4.45 |
| SEER | | | | 5.60 |
| SCOP | | | | 3.81 |
| Pdesign (@ -10°C) | | | kW | 11.8 |
| Seasonal Energy Label | Cooling / Heating (A++ to E Scale) | | | A+ / A |
| Annual Energy Consumption | Cooling / Heating | | kWh | 643 / 4,236 |
| Airflow Rate | Nom | | m ³ /min | 90 |
| Sound Pressure | Cooling | Nom | dBA | 53 |
| | Heating | Nom | dBA | 55 |
| Sound Power | Cooling | Max | dBA | 67 |
| Dimensions | W x H x D | | mm | 950 x 1,170 x 330 |
| Net Weight | | | kg | 82.0 |
| Refrigerant | Type | | | R410A |
| | Charge | | kg | 3.8 |
| | Additional Charge | | g/m | 20 |
| | GWP | | | 2,087.5 |
| | t-CO ₂ eq | | | 7.9 |
| Operation Range (Outdoor) | Cooling | Min ~ Max | °C DB | -10 - 48 |
| | Heating | Min ~ Max | °C WB | -18 - 18 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 |
| Power Supply Cable | | | No. x mm ² | 3C x 3.5 |
| Transmission Cable | ODU-BD | | No. x mm ² | 4C x 1.25 |
| | BD-IDU | | No. x mm ² | 4C x 0.75 |
| Circuit Breaker | | | A | 30 |
| Max Piping Length | Total Piping (Main + Total Branch) | | m | 100 |
| | Main Piping | | m | 50 |
| | Total Branch Piping | | m | 50 |
| | Each Branch Piping | | m | 15 |
| Piping Elevation Difference | IDU - ODU | Max | m | 30 |
| | IDU - IDU | Max | m | 15 |
| Piping Connection | Liquid | | mm (inch) | Ø9.52 (3/8) |
| | Gas | | mm (inch) | Ø19.05 (3/4) |

Note: 1. Capacities are based on the following conditions:

Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.

2. * : See page "Combination Table".

3. Due to our policy of innovation some specifications may be changed without notification.

4. At least two indoor units should be connected.

5. Minimum combination capacity rate should be more than 40%.

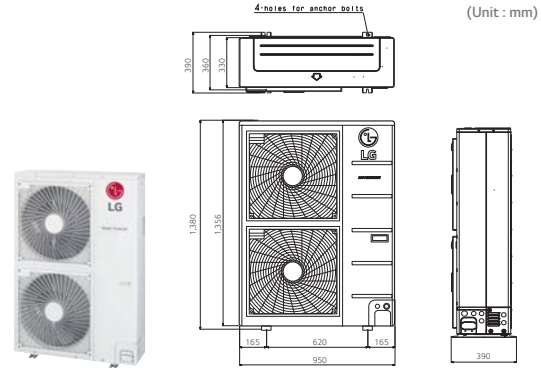
6. This product contains fluorinated greenhouse gases (R410A)

R410A MULTI SPLIT

OUTDOOR UNITS

FM48AH

FM56AH



| OUTDOOR | | | | FM48AH U32 | FM56AH U32 |
|-----------------------------|------------------------------------|-----------------------|-----------------------|-------------------|-------------------|
| Compressor | Type | | | Twin Rotary | Twin Rotary |
| Capacity* | Cooling | Min / Nom / Max | kW | 3.3 / 14.0 / 17.0 | 4.0 / 15.5 / 18.5 |
| | Heating | Min / Nom / Max | kW | 3.7 / 16.0 / 17.3 | 4.5 / 17.4 / 18.8 |
| Low Temperature Capacity | Heating -7°C | Max | kW | 14.8 | 16.1 |
| Power Input* | Cooling | Min / Nom / Max | kW | 0.8 / 3.2 / 5.1 | 1.0 / 3.9 / 5.9 |
| | Heating | Min / Nom / Max | kW | 1.3 / 3.7 / 5.2 | 1.5 / 4.2 / 6.2 |
| Running Current | Cooling | Min / Nom / Max | A | 3.9 / 13.2 / 22.3 | 4.6 / 16.1 / 25.7 |
| | Heating | Min / Nom / Max | A | 6.9 / 15.6 / 22.7 | 7.4 / 16.8 / 27.2 |
| EER | | | | 4.41 | 4.01 |
| COP | | | | 4.37 | 4.18 |
| SEER | | | | 6.1 | 5.6 |
| SCOP | | | | 4.0 | 4.0 |
| Pdesign (@ -10°C) | | | kW | 11.7 | 12.3 |
| Seasonal Energy Label | Cooling / Heating (A++ to E Scale) | | | - | - |
| Annual Energy Consumption | Cooling / Heating | | kWh | 1,377 / 4,095 | 1,661 / 4,305 |
| Airflow Rate | Nom | | m ³ /min | 120 | 120 |
| Sound Pressure | Cooling | Nom | dBA | 54 | 54 |
| | Heating | Nom | dBA | 56 | 56 |
| Sound Power | Cooling / Heating Max | | dBA | 68 / 71 | 69 / 73 |
| Dimensions | W x H x D | | mm | 950 x 1,380 x 330 | 950 x 1,380 x 330 |
| Net Weight | | | kg | 96.0 | 96.0 |
| Refrigerant | Type | | | R410A | R410A |
| | Charge | kg | | 4.4 | 4.4 |
| | Additional Charge | g/m | | 20 | 20 |
| | GWP | | | 2,087.5 | 2,087.5 |
| | t-CO ₂ eq | | | 9.2 | 9.2 |
| Operation Range (Outdoor) | Cooling | Min - Max | °C DB | -10 - 48 | -10 - 48 |
| | Heating | Min - Max | °C WB | -18 - 18 | -18 - 18 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Power Supply Cable | | | No. x mm ² | 3C x 4.0 | 3C x 4.0 |
| Transmission Cable | ODU-BD | No. x mm ² | | 4C x 1.25 | 4C x 1.25 |
| | BD-IDU | No. x mm ² | | 4C x 0.75 | 4C x 0.75 |
| Circuit Breaker | | | A | 40 | 40 |
| Max Piping Length | Total Piping (Main + Total Branch) | | m | 135 | 145 |
| | Main Piping | | m | 55 | 55 |
| | Total Branch Piping | | m | 80 | 90 |
| | Each Branch Piping | | m | 15 | 15 |
| Piping Elevation Difference | IDU - ODU | Max | m | 30 | 30 |
| | IDU - IDU | Max | m | 15 | 15 |
| Piping Connection | Liquid | mm (inch) | | Ø9.52 (3/8) | Ø9.52 (3/8) |
| | Gas | mm (inch) | | Ø19.05 (3/4) | Ø19.05 (3/4) |

Note: 1. Capacities are based on the following conditions:

Cooling: - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating: - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.

2. * : See page "Combination Table".

3. Due to our policy of innovation some specifications may be changed without notification.

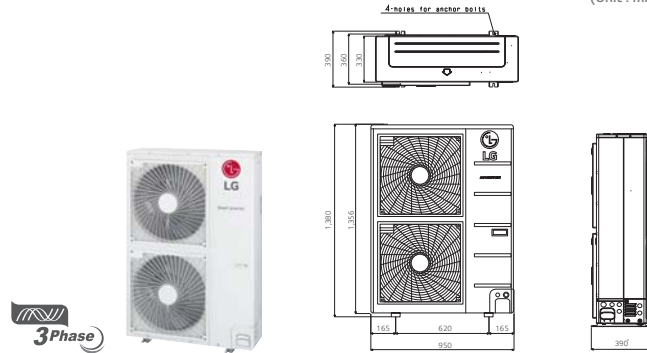
4. At least two indoor units should be connected.

5. Minimum combination capacity rate should be more than 40%.

6. This product contains fluorinated greenhouse gases (R410A)

**FM41AH
FM49AH
FM57AH**

(Unit : mm)



| OUTDOOR | | | | FM41AH U32 | FM49AH U32 | FM57AH U32 |
|-----------------------------|------------------------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|
| Compressor | Type | | | Twin Rotary | Twin Rotary | Twin Rotary |
| Capacity* | Cooling | Min / Nom / Max | kW | 2.8 / 12.1 / 14.1 | 3.3 / 14.0 / 17.0 | 4.0 / 15.5 / 18.5 |
| | Heating | Min / Nom / Max | kW | 3.2 / 12.5 / 15.2 | 3.7 / 16.0 / 17.3 | 4.5 / 17.4 / 18.8 |
| Low Temperature Capacity | Heating -7°C | Max | kW | 11.1 | 13.6 | 15.2 |
| Power Input* | Cooling | Min / Nom / Max | kW | 0.8 / 2.4 / 3.8 | 0.8 / 3.2 / 5.1 | 1.0 / 3.9 / 5.9 |
| | Heating | Min / Nom / Max | kW | 0.9 / 2.5 / 4.7 | 1.3 / 3.7 / 5.2 | 1.5 / 4.2 / 6.2 |
| Running Current | Cooling | Min / Nom / Max | A | 1.5 / 3.3 / 5.7 | 1.8 / 4.4 / 7.3 | 2.3 / 5.4 / 8.4 |
| | Heating | Min / Nom / Max | A | 1.7 / 3.3 / 6.9 | 2.1 / 5.1 / 7.5 | 2.5 / 5.5 / 9.0 |
| EER | | | | 4.68 | 4.41 | 4.01 |
| COP | | | | 4.92 | 4.37 | 4.18 |
| SEER | | | | 6.1 | 6.1 | 5.6 |
| SCOP | | | | 4.0 | 4.0 | 4.0 |
| Pdesign (@ -10°C) | | | kW | 11.7 | 11.7 | 12.3 |
| Seasonal Energy Label | Cooling / Heating (A++ to E Scale) | | | - | - | - |
| Annual Energy Consumption | Cooling / Heating | | kWh | 1,190 / 4,095 | 1,377 / 4,095 | 1,661 / 4,305 |
| Airflow Rate | Nom | | m ³ /min | 120 | 120 | 120 |
| Sound Pressure | Cooling | Nom | dBA | 53 | 54 | 54 |
| | Heating | Nom | dBA | 55 | 56 | 56 |
| Sound Power | Cooling / Heating | Max | dBA | 67 / 69 | 68 / 71 | 69 / 73 |
| Dimensions | W x H x D | | mm | 950 x 1,380 x 330 | 950 x 1,380 x 330 | 950 x 1,380 x 330 |
| Net Weight | | | kg | 96.0 | 96.0 | 96.0 |
| Refrigerant | Type | | | R410A | R410A | R410A |
| | Charge | | | 4.4 | 4.4 | 4.4 |
| | Additional Charge | | | 20 | 20 | 20 |
| | GWP | | | 2,087.5 | 2,087.5 | 2,087.5 |
| | t-CO ₂ eq | | | 9.2 | 9.2 | 9.2 |
| Operation Range (Outdoor) | Cooling | Min - Max | °C DB | -10 - 48 | -10 - 48 | -10 - 48 |
| | Heating | Min - Max | °C WB | -18 - 18 | -18 - 18 | -18 - 18 |
| Power Supply | | | Ø / V / Hz | 3 / 380-415 / 50 | 3 / 380-415 / 50 | 3 / 380-415 / 50 |
| Power Supply Cable | | | No. x mm ² | 5C x 2.5 | 5C x 2.5 | 5C x 2.5 |
| Transmission Cable | ODU-BD | | | 4C x 1.25 | 4C x 1.25 | 4C x 1.25 |
| | BD-IDU | | | 4C x 0.75 | 4C x 0.75 | 4C x 0.75 |
| Circuit Breaker | | | A | 20 | 20 | 20 |
| Max Piping Length | Total Piping (Main + Total Branch) | | m | 125 | 135 | 145 |
| | Main Piping | | m | 55 | 55 | 55 |
| | Total Branch Piping | | m | 70 | 80 | 90 |
| | Each Branch Piping | | m | 15 | 15 | 15 |
| Piping Elevation Difference | IDU - ODU | Max | m | 30 | 30 | 30 |
| | IDU - IDU | Max | m | 15 | 15 | 15 |
| Piping Connection | Liquid | | | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø9.52 (3/8) |
| | Gas | | | Ø19.05 (3/4) | Ø19.05 (3/4) | Ø19.05 (3/4) |

Note: 1. Capacities are based on the following conditions:

Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.

2. *: See page "Combination Table".

3. Due to our policy of innovation some specifications may be changed without notification.

4. At least two indoor units should be connected.

5. Minimum combination capacity rate should be more than 40%.

6. This product contains fluorinated greenhouse gases (R410A)

R410A MULTI SPLIT

WALL MOUNTED UNITS

Wi-Fi Control

Control your air conditioners via using the smart internet devices as Android or iOS based smartphones. This advanced technology provides you the best convenience.

• LG Smart ThinQ



LG Smart ThinQ

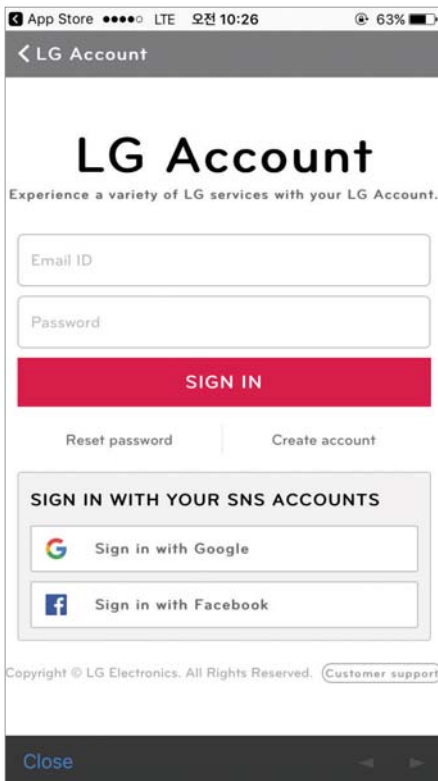
Search "LG Smart ThinQ" on Google market or Appstore then download the app.



• How it Works

Easy Registration and Log-in

Follow the easy set-up steps that will activate SmartThinQ's impressive feature.



• Wi-Fi Connectivity

Let's every member of your family choose their own preferred air conditioning temperature and fan speed, then save the settings in their app to run later. You can save the setting for each air conditioner as well.

Multiple Devices



Multi-Control



* Can be controlled by multiple users, but not simultaneously

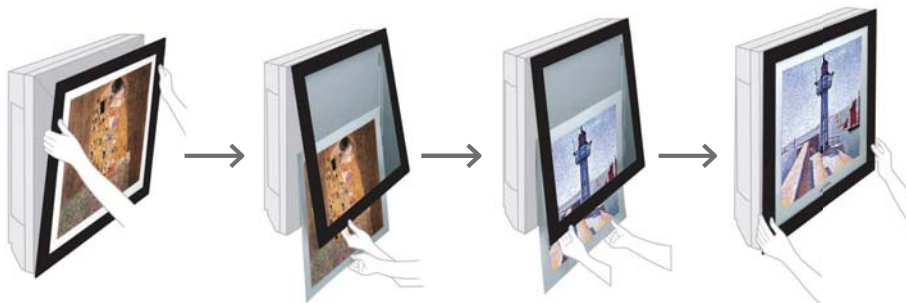
Aesthetic Design

You no longer need to be told what your air conditioner should look like. With LG's revolutionary ARTCOOL Gallery, you can change the look of your air conditioner to whatever you want, whenever you want. The ARTCOOL series have outstanding designs and have been awarded the International Forum Design Award, the Reddot Design Award and the G Mark.

• Gallery



• How to Change the Picture



• ARTCOOL



• Deluxe



• Standard Plus



R410A MULTI SPLIT

WALL MOUNTED UNITS

Plasmaster™ Ionizer^{PLUS}

The powerful plasma Ionizer protects you from odors and harmful substances in the air with over 3 million ions to sterilize not only the air passing through the air conditioner, but also surrounding surfaces for a safer, cleaner environment.

* Specifications may vary for each model.

* Depending on the experimental conditions.

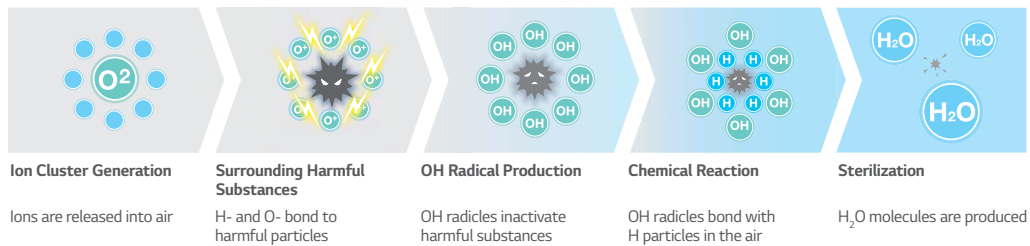
* This function will be available with following models and date.

- ARNU**GSJN4, ARNU**GSKN4 : From `17 May

• How It Works

Sterilization and Deodorization (Utilizes Over 3 Million Ions)

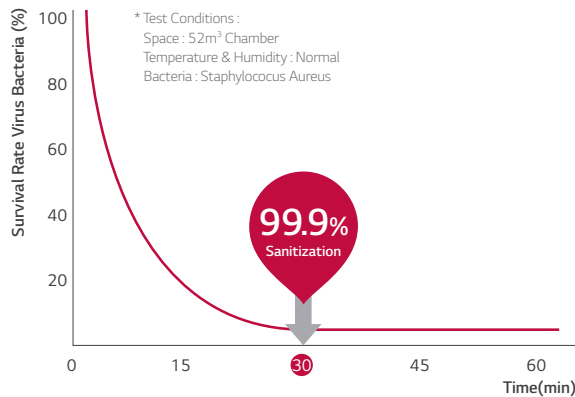
Plasmaster Ionizer+ reduces harmful microscopic particles by infusing the air passing through the air conditioner with over 3 millions ions.



• Test Result

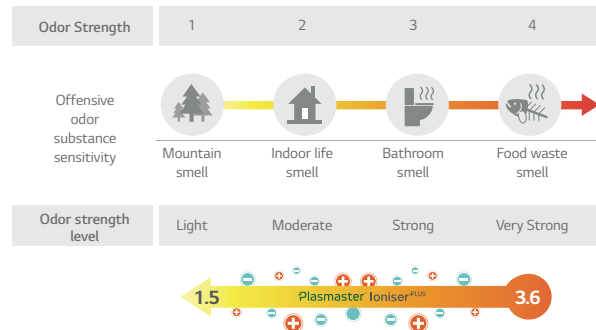
Sterilization Performance Evaluations

Plasmaster Ionizer+ reduces harmful microscopic particles by infusing the air passing through the air conditioner with over 3 millions ions.



2.1 odor strength decrease in 60 minutes

An odor of strength 2 or less indicates that there is odor but no sense of displeasure (degree of odor permissible).



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

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

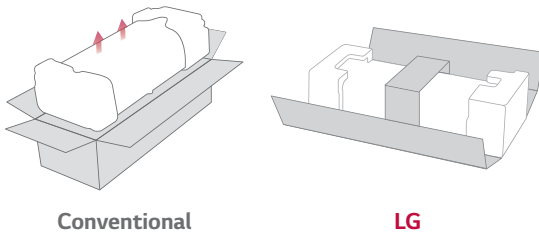
* Specifications may vary for each model.

• 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

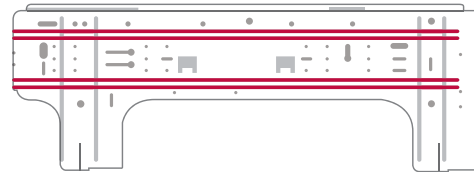


Conventional

LG

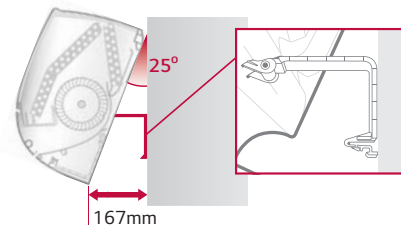
Installation Plate Improvement

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



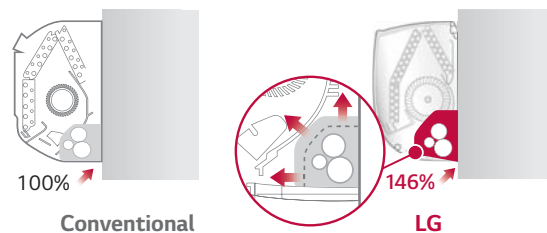
Installation Support Clip

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.

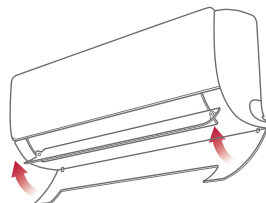


Conventional

LG

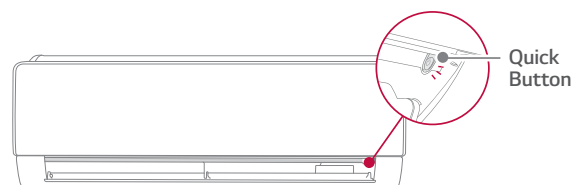
Detachable Bottom Cover

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.



R410A MULTI SPLIT

WALL MOUNTED UNITS



| | | kBtu/h | 5 | 7 | 9 | 12 | 15 | 18 | 24 |
|-------------------|---|--------|-----|--------|---------|---------|-----|--------|--------|
| | | kW | 1.5 | 2.1 | 2.6 | 3.5 | 4.2 | 5.3 | 7.0 |
| Wall Mounted Unit | ARTCOOL Gallery  | | - | - | MA09AH1 | MA12AH1 | - | - | - |
| | ARTCOOL  | | - | AM07BP | AM09BP | AM12BP | - | AM18BP | AM24BP |

ARTCOOL Gallery

| | | | | MA09AH1.NF1 | MA12AH1.NF1 |
|-----------------------|-------------------|-----------|---------------------|------------------|------------------|
| Capacity | Cooling / Heating | Nom | kW | 2.6 / 2.9 | 3.5 / 3.9 |
| Power Input | | | W x No. | 40 x 1 | 40 x 1 |
| Running Current | | | A | 0.1 | 0.1 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m ³ /min | 7.7 / 5.9 / 4.4 | 8.9 / 7.3 / 5.6 |
| Sound Pressure | | H / M / L | dB(A) | 38 / 32 / 27 | 44 / 38 / 32 |
| Sound Power | | Cooling | dB(A) | 52 | 54 |
| Dehumidification Rate | | | l/h | 1.2 | 1.4 |
| Dimensions | Body | W x H x D | mm | 600 x 600 x 145 | 600 x 600 x 145 |
| Net Weight | Body | | kg | 15.0 | 15.0 |
| Piping | Liquid | | mm(inch) | Ø 6.35 (1/4) | Ø 6.35 (1/4) |
| Connections | Gas | | mm(inch) | Ø 9.52 (3/8) | Ø 9.52 (3/8) |

ARTCOOL

| | | | | AM07BP NSJ | AM09BP NSJ | AM12BP NSJ | AM18BP NSK | AM24BP NSK |
|-----------------------|-------------------|-----------|---------------------|------------------|------------------|------------------|-------------------|--------------------|
| Capacity | Cooling / Heating | Nom | kW | 2.1 / 2.3 | 2.5 / 3.2 | 3.5 / 3.8 | 5.0 / 5.8 | 6.6 / 7.5 |
| Power Input | | Nom | W | 17 | 18 | 19 | 39 | 45 |
| Running Current | | Nom | A | 0.14 | 0.16 | 0.17 | 0.28 | 0.33 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m ³ /min | 8.6 / 7.2 / 5.6 | 9.2 / 7.4 / 5.6 | 9.6 / 8.1 / 5.6 | 14.2 / 11.3 / 9.9 | 15.2 / 12.7 / 10.2 |
| Sound Pressure | | H / M / L | dB(A) | 35 / 32 / 27 | 36 / 33 / 27 | 40 / 35 / 27 | 44 / 38 / 35 | 46 / 41 / 36 |
| Sound Power | | | dB(A) | 57 | 57 | 57 | 59 | 65 |
| Dehumidification Rate | | | l/h | 0.9 | 1.1 | 1.2 | 1.9 | 2.6 |
| Dimension | | W x H x D | mm | 837 x 308 x 192 | 837 x 308 x 192 | 837 x 308 x 192 | 998 x 345 x 212 | 998 x 345 x 212 |
| Net weight | | | kg | 9.1 | 9.9 | 9.9 | 13.2 | 11.6 |
| Piping | Liquid | | mm (inch) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) |
| Connection | Gas | | mm (inch) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 12.7 (1/2) | Ø 12.7 (1/2) |

| | | kBtu/h | 5 | 7 | 9 | 12 | 15 | 18 | 24 |
|-------------------|---------------|---|--------|--------|--------|--------|--------|--------|--------|
| | | kW | 1.5 | 2.1 | 2.6 | 3.5 | 4.2 | 5.3 | 7.0 |
| Wall Mounted Unit | Deluxe |  | - | DM07RP | DM09RP | DM12RP | - | DM18RP | DM24RP |
| | Standard Plus |  | PM05SP | PM07SP | PM09SP | PM12SP | PM15SP | PM18SP | PM24SP |

DELUXE

| | | | | DM07RP.NSJ | DM09RP.NSJ | DM12RP.NSJ | DM18RP.NSK | DM24RP.NSK |
|-----------------------|-------------------|-----------|---------------------|------------------|------------------|------------------|-------------------|--------------------|
| Capacity | Cooling / Heating | Nom | kW | 2.1 / 2.3 | 2.5 / 3.2 | 3.5 / 4.0 | 5.0 / 5.8 | 6.6 / 7.5 |
| Power Input | | Nom | W | 17 | 18 | 19 | 39 | 45 |
| Running Current | | Nom | A | 0.15 | 0.16 | 0.17 | 0.28 | 0.33 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m ³ /min | 7.5 / 6.1 / 4.9 | 7.7 / 6.4 / 5.0 | 8.1 / 6.7 / 5.3 | 14.2 / 11.3 / 9.9 | 15.2 / 12.7 / 10.2 |
| Sound Pressure | | H / M / L | dB(A) | 35 / 31 / 26 | 36 / 32 / 27 | 38 / 34 / 29 | 44 / 38 / 34 | 47 / 41 / 36 |
| Sound Power | | | dB(A) | 56 | 56 | 56 | 60 | 64 |
| Dehumidification Rate | | | l/h | 0.9 | 1.1 | 1.2 | 1.9 | 2.6 |
| Dimension | W x H x D | | mm | 837 x 308 x 189 | 837 x 308 x 189 | 837 x 308 x 189 | 998 x 345 x 210 | 998 x 345 x 210 |
| Net weight | | | kg | 8.3 | 8.3 | 8.3 | 12.0 | 12.0 |
| Piping | Liquid | | mm (inch) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) |
| Connection | Gas | | mm (inch) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 12.7 (1/2) | Ø 12.7 (1/2) |

STANDARD PLUS

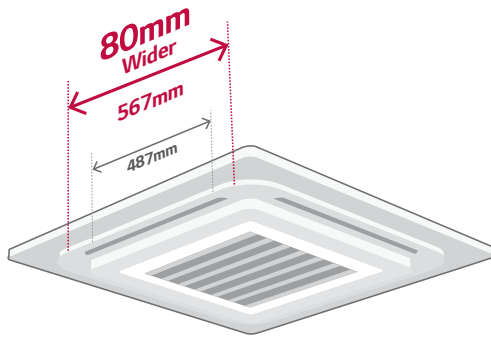
| | | | | PM05SP.NSJ | PM07SP.NSJ | PM09SP.NSJ | PM12SP.NSJ | PM15SP.NSJ | PM18SP.NSK | PM24SP.NSK |
|-----------------------|-------------------|-----------|---------------------|------------------|------------------|------------------|------------------|------------------|-------------------|--------------------|
| Capacity | Cooling / Heating | Nom | kW | 1.5 / 1.6 | 2.1 / 2.3 | 2.5 / 3.2 | 3.5 / 3.8 | 4.2 / 5.4 | 5.0 / 5.8 | 6.6 / 7.5 |
| Power Input | | Nom | W | 16 | 17 | 18 | 19 | 21 | 39 | 45 |
| Running Current | | Nom | A | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 | 0.28 | 0.33 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m ³ /min | 8.3 / 6.7 / 5.6 | 8.6 / 7.2 / 5.6 | 9.2 / 7.4 / 5.6 | 9.6 / 8.1 / 5.6 | 10.0 / 8.5 / 6.1 | 14.2 / 11.3 / 9.9 | 15.2 / 12.7 / 10.2 |
| Sound Pressure | | H / M / L | dB(A) | 34 / 31 / 27 | 35 / 32 / 27 | 36 / 33 / 27 | 40 / 35 / 27 | 41 / 36 / 29 | 44 / 38 / 35 | 46 / 41 / 36 |
| Sound Power | | | dB(A) | 57 | 57 | 57 | 57 | 57 | 59 | 65 |
| Dehumidification Rate | | | l/h | 0.9 | 0.9 | 1.1 | 1.2 | 1.2 | 1.9 | 2.6 |
| Dimension | W x H x D | | mm | 837 x 308 x 189 | 837 x 308 x 189 | 837 x 308 x 189 | 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 | 8.7 | 8.7 | 8.7 | 12.0 | 12.8 |
| Piping | Liquid | | mm (inch) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) |
| Connection | Gas | | mm (inch) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 12.7 (1/2) | Ø 12.7 (1/2) |

R410A MULTI SPLIT

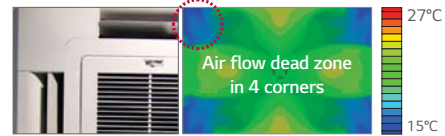
CEILING MOUNTED CASSETTE

950/700 Panel – Wide Jet Air Flow

Improved vanes reduce the curved area and provide even distribution.



Conventional

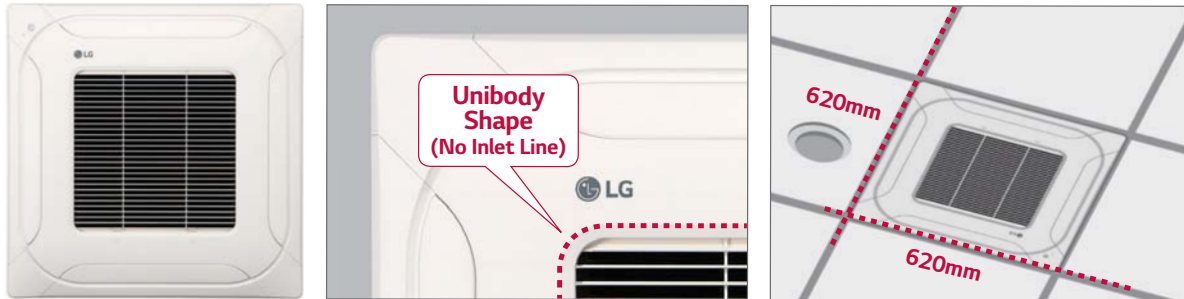


LG



620 Panel – Compact and Stylish Design

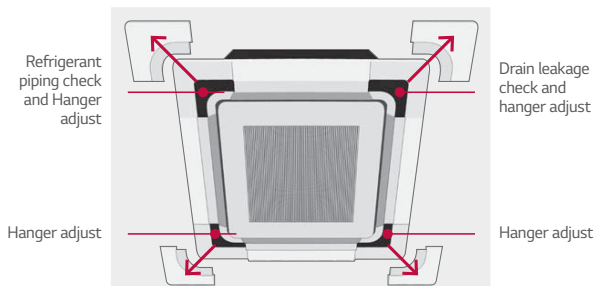
- New 4 way cassette panel adapted unibody shape and matching with into the ceiling
- Panel size is fit into the ceiling tile



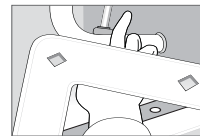
Convenient Panel Installation

The detachable corner design makes it easy to adjust the hanger during installation and to check for leakages in the drain connection pipe.

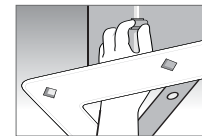
Detachable Corner Design



Drain Leakage Check





Hanger Adjust



It is easy to install the panel to the body, using the button type panel design.



| CAPACITY (KW) | | 1.5 | 2.1 | 2.6 | 3.5 | 5.3 | 7.0 |
|----------------|---|------------|------------|------------|------------|----------|----------|
| 1 Way Cassette |  | - | - | MT09AH NU1 | MT11AH NU1 | - | - |
| 4 Way Cassette |  | MT06AH NRO | MT08AH NRO | CT09 NR2 | CT12 NR2 | CT18 NQ4 | CT24 NP4 |

| INDOOR | | | | MT09AH NU1 | MT11AH NU1 | MT06AH NRO | MT08AH NRO |
|-----------------------|-------------------|-----------|------------|------------------------|------------------------|--------------------------------|------------------|
| Capacity | Cooling / Heating | Nom | kW | 2.6 / 2.9 | 3.5 / 3.9 | 1.5 / 1.6 | 2.1 / 2.3 |
| Power Input | | Nom | W | 20 | 20 | 20 | 20 |
| Running Current | | Nom | A | 0.2 | 0.2 | 0.4 | 0.4 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m³/min | 7.5 / 7.3 / 6.8 | 8.1 / 7.4 / 7.0 | 7.5 / 6.0 / 5.0 | 7.5 / 6.0 / 5.0 |
| Sound Pressure | Cooling | H / M / L | dBA | 36 / 34 / 32 | 37 / 36 / 33 | 31 / 27 / 24 | 31 / 27 / 24 |
| Sound Power | Cooling | Max | dBA | 54 | 57 | 48 | 48 |
| Dehumidification Rate | | | l/h | 1.1 | 1.2 | 0.8 | 1 |
| Dimensions | Body | W x H x D | mm | 860 x 132 x 450 | 860 x 132 x 450 | 570 x 214 x 570 | 570 x 214 x 570 |
| Net Weight | Body | | kg | 13.5 | 13.5 | 14.0 | 14.0 |
| Piping | Liquid | | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) | Ø6.35 (1/4) | Ø6.35 (1/4) |
| Connection | Gas | | mm (inch) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø9.52 (3/8) |
| Decoration Panel | Model | | | PT-UUC1 | PT-UUC1 | PT-UQC, PT-QCHW0 | |
| | Color | | | Morning Fog (RAL120-4) | Morning Fog (RAL120-4) | Morning Fog (RAL 120-4) | |
| | Dimensions | W x H x D | mm | 1,100 x 34 x 500 | 1,100 x 34 x 500 | 700 x 22 x 700, 620 x 20 x 620 | |
| | Weight | | kg | 4.4 | 4.4 | 3.0 | |

* CT09, CT12, CT18, CT24 are compatible between SCAC and MULTI.

| INDOOR | | | | CT09 NR2 | CT12 NR2 | CT18 NQ4 | CT24 NP4 |
|-----------------------|-------------------|-----------|------------|--------------------------------|------------------|---------------------|--------------------|
| Capacity | Cooling / Heating | Nom | kW | 2.6 / 2.9 | 3.5 / 3.9 | 5.3 / 5.8 | 6.7 / 7.5 |
| Power Input | | Nom | W | 20 | 20 | 20 | 20 |
| Running Current | | Nom | A | 0.4 | 0.4 | 0.4 | 0.6 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m³/min | 8.5 / 7.0 / 6.0 | 9.5 / 8.0 / 7.0 | 13.0 / 12.0 / 11.0 | 17.0 / 15.0 / 13.0 |
| Sound Pressure | Cooling | H / M / L | dBA | 36 / 33 / 30 | 38 / 35 / 32 | 41 / 39 / 36 | 38 / 36 / 34 |
| Sound Power | Cooling | Max | dBA | 48 | 51 | 55 | 57 |
| Dehumidification Rate | | | l/h | 1.4 | 1.7 | 2.1 | 2.4 |
| Dimensions | Body | W x H x D | mm | 570 x 214 x 570 | 570 x 214 x 570 | 570 x 256 x 570 | 840 x 204 x 840 |
| Net Weight | Body | | kg | 14.0 | 14.0 | 15.5 | 20.5 |
| Piping | Liquid | | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) | Ø6.35 (1/4) | Ø6.35 (1/4) |
| Connection | Gas | | mm (inch) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø12.7 (1/2) | Ø12.7 (1/2) |
| Decoration Panel | Model | | | PT-UQC, PT-QCHW0 | | PT-UMC1 | |
| | Color | | | Morning Fog (RAL 120-4) | | Morning Fog (120-4) | |
| | Dimensions | W x H x D | mm | 700 x 22 x 700, 620 x 20 x 620 | | 950 x 25 x 950 | |
| | Weight | | kg | 3.0 | | 5.0 | |

Note: 1. Capacities are based on the following conditions:

Cooling: - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating: - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. Due to our policy of innovation some specifications may be changed without notification

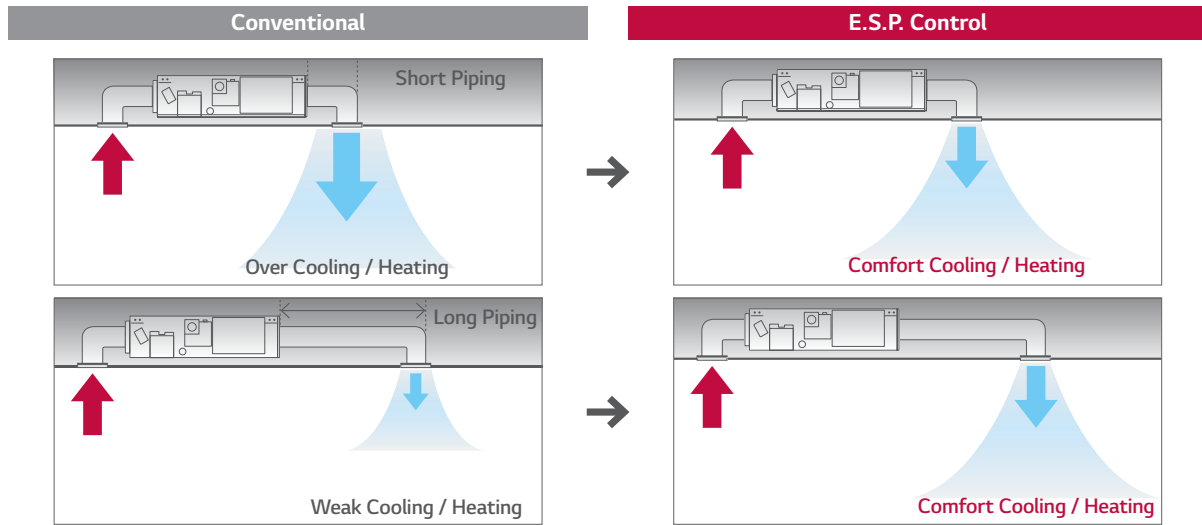
4. This product contains fluorinated greenhouse gases (R410A)

R410A MULTI SPLIT

CEILING CONCEALED DUCT

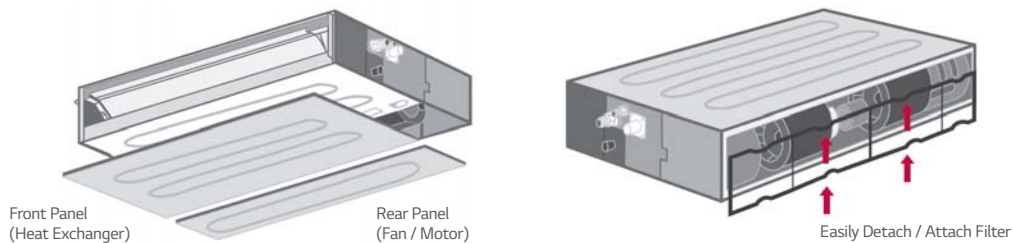
E.S.P. (External Static Pressure) Control

E.S.P. control function can make air volume controlled easily with remote controller. The BLDC motor can control fan speed and air volume regardless of the external static pressure. No additional accessories are necessary to control air flow.



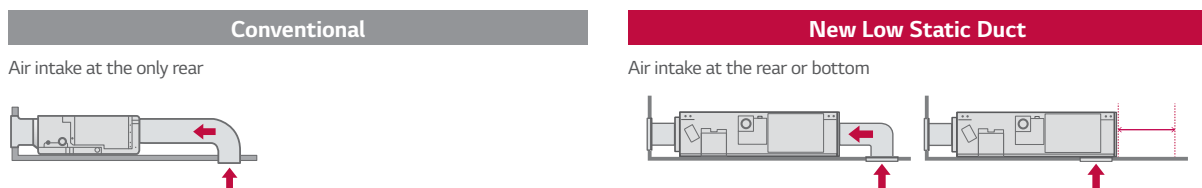
Easy Service & Maintenance





Users don't need to open whole panel for maintenance, since panel is divided into one for heat exchanger and one for fan/motor. Easily detach and attach the filter even in limited space.



Flexible Installation

The new low static duct allows the air intake at the rear or bottom under installation condition.



| CAPACITY (kW) | | 2.6 | 3.5 | 5.3 | 7.0 |
|------------------------------|---|-----------|-----------|-----------|-----------|
| Ceiling Concealed Duct |   | CB09L N12 | CB12L N22 | CB18L N22 | CB24L N32 |
| |   | - | - | CM18 N14 | CM24 N14 |

| INDOOR | | | | CB09L N12 | CB12L N22 | CB18L N22 | CB24L N32 |
|--------------------------|-------------------|------------------------|------------|------------------|------------------|--------------------|--------------------|
| Capacity | Cooling / Heating | Nom | kW | 2.6 / 2.9 | 3.5 / 3.9 | 5.3 / 5.8 | 7.0 / 7.7 |
| Power Input | | Min / Max (Nom ESP) | W | 40 / 60 | 80 / 100 | 100 / 140 | 110 / 160 |
| Running Current | | Nom | A | 0.4 | 0.8 | 0.8 | 1.0 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m³/min | 9.0 / 7.0 / 5.5 | 10.0 / 8.5 / 7.0 | 15.0 / 12.5 / 10.0 | 20.0 / 16.0 / 12.0 |
| Sound Pressure | Cooling | H / M / L | dBA | 30 / 26 / 23 | 31 / 28 / 27 | 36 / 34 / 31 | 39 / 35 / 32 |
| Sound Power | Cooling | Max | dBA | 49 | 52 | 54 | 58 |
| Dehumidification Rate | | | l/h | 1.1 | 1.2 | 1.7 | 2.2 |
| Dimensions | Body | W x H x D | mm | 700 x 190 x 700 | 900 x 190 x 700 | 900 x 190 x 700 | 1,100 x 190 x 700 |
| Net Weight | Body | | kg | 17.5 | 23.0 | 23.0 | 27.0 |
| Piping | Liquid | | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) | Ø6.35 (1/4) | Ø9.52 (3/8) |
| Connection | Gas | | mm (inch) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø12.7 (1/2) | Ø15.88 (5/8) |
| External Static Pressure | | Min - Max | mmAq (Pa) | 0 - 5 (0 - 49) | 0 - 5 (0 - 49) | 0 - 5 (0 - 49) | 0 - 5 (0 - 49) |

* CB09L, CB12L, CB18L, CB24L are compatible between SCAC and MULTI.

* CM18, CM24 are compatible between SCAC and MULTI.

| INDOOR | | | | CM18 N14 | CM24 N14 |
|--------------------------|-------------------|------------------------|------------|--------------------|--------------------|
| Capacity | Cooling / Heating | Nom | kW | 5.3 / 5.8 | 7.0 / 7.7 |
| Power Input | | Min / Max (Nom ESP) | W | 90 / 160 | 100 / 180 |
| Running Current | | Nom | A | 0.9 | 1.0 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m³/min | 16.5 / 14.5 / 13.0 | 18.0 / 16.5 / 14.5 |
| Sound Pressure | Cooling | H / M / L | dBA | 34 / 32 / 30 | 35 / 34 / 32 |
| Sound Power | Cooling | Max | dBA | 59 | 60 |
| Dehumidification Rate | | | l/h | 2.0 | 2.5 |
| Dimensions | Body | W x H x D | mm | 900 x 270 x 700 | 900 x 270 x 700 |
| Net Weight | Body | | kg | 23.8 | 24.2 |
| Piping | Liquid | | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) |
| Connection | Gas | | mm (inch) | Ø12.7 (1/2) | Ø12.7 (1/2) |
| External Static Pressure | | Min - Max | mmAq (Pa) | 2.5-15 (25-147) | 2.5-15 (25-147) |

Note: 1. Capacities are based on the following conditions:

Cooling: - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating: - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

3. Due to our policy of innovation some specifications may be changed without notification

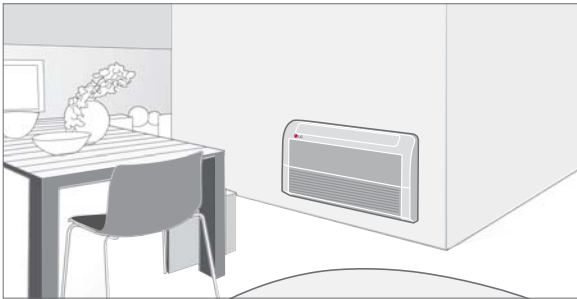
4. This product contains fluorinated greenhouse gases (R410A)

R410A MULTI SPLIT

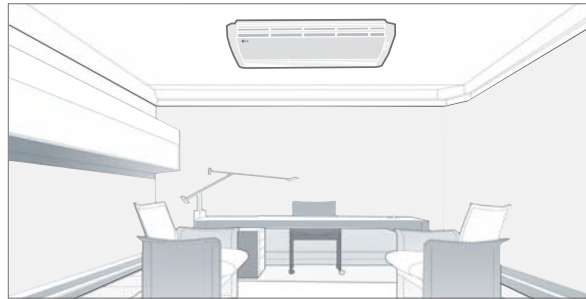
CEILING SUSPENDED UNIT

Flexible Installation

The ceiling and floor models can be installed either on the ceiling or on the floor. This saves space when installed in the shops or offices.



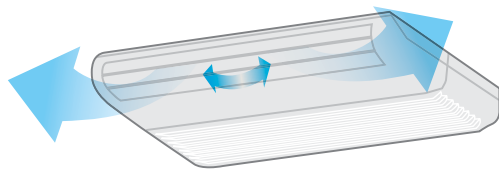
* Ceiling & Floor : CV09 NE2 / CV12 NE2



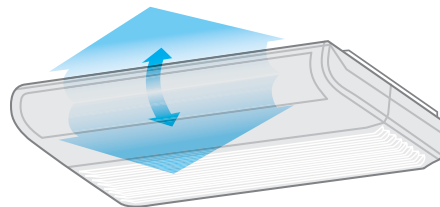
Airflow Direction Control

Vertical airflow direction can be adjusted using remote controller, and horizontal airflow direction can be adjusted manually.

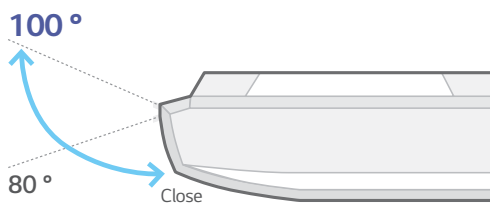
Horizontal



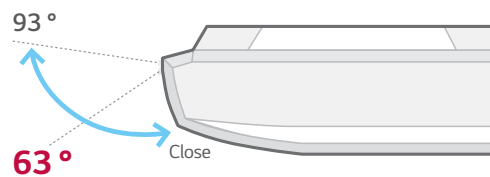
Vertical





Cooling



Heating



| | | CAPACITY (KW) | | 2.6 | 3.5 | 5.3 | 7.0 |
|----------------------------------|---|---------------|--|----------|----------|----------|----------|
| Ceiling & Floor Convertible unit |  | | | CV09 NE2 | CV12 NE2 | - | - |
| |  | | | - | - | CV18 NJ2 | CV24 NJ2 |

| INDOOR | | | | CV09 NE2 | CV12 NE2 |
|-----------------------|-------------------|-----------|---------------------|------------------|------------------|
| Capacity | Cooling / Heating | Nom | kW | 2.6 / 2.9 | 3.5 / 3.9 |
| Power Input | | Nom | W | 30 | 40 |
| Running Current | | Nom | A | 0.4 | 0.4 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m ³ /min | 7.6 / 6.9 / 6.2 | 9.2 / 7.6 / 6.6 |
| Sound Pressure | Cooling | H / M / L | dB(A) | 38 / 35 / 32 | 40 / 36 / 31 |
| Sound Power | Cooling | Max | dB(A) | 52 | 56 |
| Dehumidification Rate | | | l/h | 1.2 | 1.2 |
| Dimensions | Body | W x H x D | mm | 900 x 490 x 200 | 900 x 490 x 200 |
| Net Weight | Body | | kg | 13.7 | 13.7 |
| Piping | Liquid | | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) |
| Connection | Gas | | mm (inch) | Ø9.52 (3/8) | Ø9.52 (3/8) |

* CV09, CV12, CV18, CV24 are compatible between SCAC and MULTI.

| INDOOR | | | | CV18 NJ2 | CV24 NJ2 |
|-----------------------|-------------------|-----------|---------------------|--------------------|--------------------|
| Capacity | Cooling / Heating | Nom | kW | 5.3 / 5.8 | 7.0 / 7.7 |
| Power Input | | Nom | W | 50 | 60 |
| Running Current | | Nom | A | 0.4 | 0.6 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m ³ /min | 12.4 / 11.4 / 10.4 | 13.9 / 12.9 / 11.9 |
| Sound Pressure | Cooling | H / M / L | dB(A) | 42 / 40 / 39 | 44 / 43 / 41 |
| Sound Power | Cooling | Max | dB(A) | 57 | 61 |
| Dehumidification Rate | | | l/h | 2.3 | 3.2 |
| Dimensions | Body | W x H x D | mm | 950 x 650 x 220 | 950 x 650 x 220 |
| Net Weight | Body | | kg | 22.0 | 23.0 |
| Piping Connection | Liquid | | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) |
| | Gas | | mm (inch) | Ø12.7 (1/2) | Ø12.7 (1/2) |

Note: 1. Capacities are based on the following conditions:

Cooling: - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating: - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero

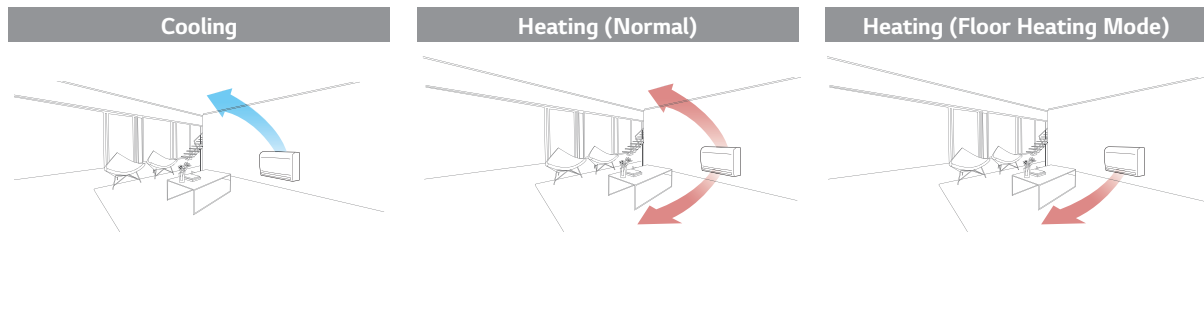
2. Definition of Power Input Nominal conditions - Performance tested under EN14511
3. Due to our policy of innovation some specifications may be changed without notification
4. This product contains fluorinated greenhouse gases (R410A)

R410A MULTI SPLIT

CONSOLE









Optimised Air Flow for Cooling & Heating

During the cooling operation, the vane adjusts upwards to direct the air flow towards the ceiling.
When heating, the vane directs the warm air downwards to balance the room temperature especially for floor.



Quick Floor Heating

Console air conditioners offer a fast and powerful performance. Using the floor heating mode, console air conditioners provide faster floor heating and help to reach the desired temperature quickly.

| | Company A | Electric Heater | LG | LG Floor Heating Mode |
|-------------------------------------|--|---|---|---|
| 27°C |  |  |  |  |
| Vertical | | | | |
| 15°C |  |  |  |  |
| Horizontal | | | | |
| Lead Time for Heating (13°C - 21°C) | 12 minutes 30 seconds | 50 minutes | 9 minutes 30 seconds | 8 minutes 40 seconds |

(Test Condition :Target Temp 23°C, Indoor Room : 13°C-, Outdoor Room : 7°C)

5-Step Vane Control

There are 5 different stages to control air flow direction.



| CAPACITY (KW) | | 2.6 | 3.5 | 5.3 |
|---------------|---|----------|----------|----------|
| Console |   | CQ09 NAO | CQ12 NAO | CQ18 NAO |

| INDOOR | | | | CQ09 NAO |
|-----------------------|-------------------|-----------|---------------------|------------------|
| Capacity | Cooling / Heating | Nom | kW | 2.6 / 2.9 |
| Power Input | | Nom | W | 20 |
| Running Current | | Nom | A | 0.6 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m ³ /min | 8.5 / 6.7 / 5.0 |
| Sound Pressure | Cooling | H / M / L | dBA | 38 / 32 / 27 |
| Sound Power | Cooling | Max | dBA | 53 |
| Dehumidification Rate | | | l/h | 1.2 |
| Dimensions | Body | W x H x D | mm | 700 x 600 x 210 |
| Net Weight | Body | | kg | 14.0 |
| Piping Connection | Liquid | | mm (inch) | Ø6.35 (1/4) |
| | Gas | | mm (inch) | Ø9.52 (3/8) |

* CQ09, CQ12, CQ18 are compatible between SCAC and MULTI.

| INDOOR | | | | CQ12 NAO | CQ18 NAO |
|-----------------------|-------------------|-----------|---------------------|------------------|------------------|
| Capacity | Cooling / Heating | Nom | kW | 3.5 / 3.9 | 5.3 / 5.8 |
| Power Input | | Nom | W | 20 | 40 |
| Running Current | | Nom | A | 0.6 | 0.7 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Air Flow Rate | | H / M / L | m ³ /min | 9.0 / 6.9 / 5.2 | 10.1 / 8.6 / 7.2 |
| Sound Pressure | Cooling | H / M / L | dBA | 39 / 32 / 27 | 44 / 39 / 35 |
| Sound Power | Cooling | Max | dBA | 56 | 60 |
| Dehumidification Rate | | | l/h | 1.4 | 2.3 |
| Dimensions | Body | W x H x D | mm | 700 x 600 x 210 | 700 x 600 x 210 |
| Net Weight | Body | | kg | 14.0 | 14.0 |
| Piping Connection | Liquid | | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) |
| | Gas | | mm (inch) | Ø9.52 (3/8) | Ø12.7 (1/2) |

Note: 1. Capacities are based on the following conditions:

Cooling: - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

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Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero

2. Definition of Power Input Nominal conditions - Performance tested under EN14511

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R410A MULTI SPLIT

ACCESSORIES

Distributor Box

PMBD3620, PMBD3630, PMBD3640

Easy installation using the range of Distributor Boxes.

| For | 2 Indoors | 3 Indoors | 4 Indoors |
|-------------|---|---|---|
| Distributor |  PMBD3620 |  PMBD3630 |  PMBD3640 |

Various distributors can make much easier installation for any sites

Features

- Distribution of refrigerant to various indoor units.
- 3 models (2, 3, 4 Indoor Units)
- EEV included
- Controlling PCB inside the unit
- Internally insulated (Prevents any chances of drainage)
- Flare joints for easy and clean installation
- Compact design (Low height)
- Flexible installation



No Brazing



Just Flaring

Specification

| | | | PMBD3620 | PMBD3630 | PMBD3640 |
|-------------------------------------|------------------------|-----------|------------------------------------|------------------------------------|------------------------------------|
| Connectable Indoor Units | Number of Indoor Units | | 1 - 2 | 1 - 3 | 1 - 4 |
| | Capacity | | 5k / 7k / 9k / 12k / 18k / 24k | 5k / 7k / 9k / 12k / 18k / 24k | 5k / 7k / 9k / 12k / 18k / 24k |
| Power Source | Ø / V / Hz | | 1 / 220-240 / 50 | 1 / 200-240 / 50 | 1 / 200-240 / 50 |
| Power Consumption | W | | 10 | 10 | 10 |
| Runing Current | A | | 0.05 | 0.05 | 0.05 |
| Dimensions | W x H x D | mm (inch) | 302 x 143 x 252 (11.9 x 5.6 x 9.9) | 302 x 143 x 252 (11.9 x 5.6 x 9.9) | 302 x 143 x 252 (11.9 x 5.6 x 9.9) |
| Net Weight | | kg/lb | 4.8 / 10.6 | 4.9 / 10.8 | 5 / 11 |
| Piping Connection (To Outdoor Unit) | Liquid | mm (inch) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø9.52(3/8) |
| | Gas | mm (inch) | Ø19.05 (3/4) | Ø19.05 (3/4) | Ø19.05(3/4) |
| Piping Connection (To Indoor Unit) | Liquid | mm (inch) | Ø6.35 (1/4) x 2EA | Ø6.35 (1/4) x 3EA | Ø6.35 (1/4) x 4EA |
| | Gas | mm (inch) | Ø9.52 (3/8) x 2EA | Ø9.52 (3/8) x 3EA | Ø9.52 (3/8) x 4EA |
| Accessories | Hanger (Bracket) | EA | 4 | 4 | 4 |
| | Screw | EA | 8 | 8 | 8 |
| | Manual | EA | 1 | 1 | 1 |

Note :

1. The piping connection must be suit the piping sizes of the indoor unit which will be connected. (If need, use the connector which is included in the indoor unit)
2. The BD should be installed inside the building.

Note : Due to our policy of innovation some specifications may be changed without notification.

Y Branch and Branch Kit

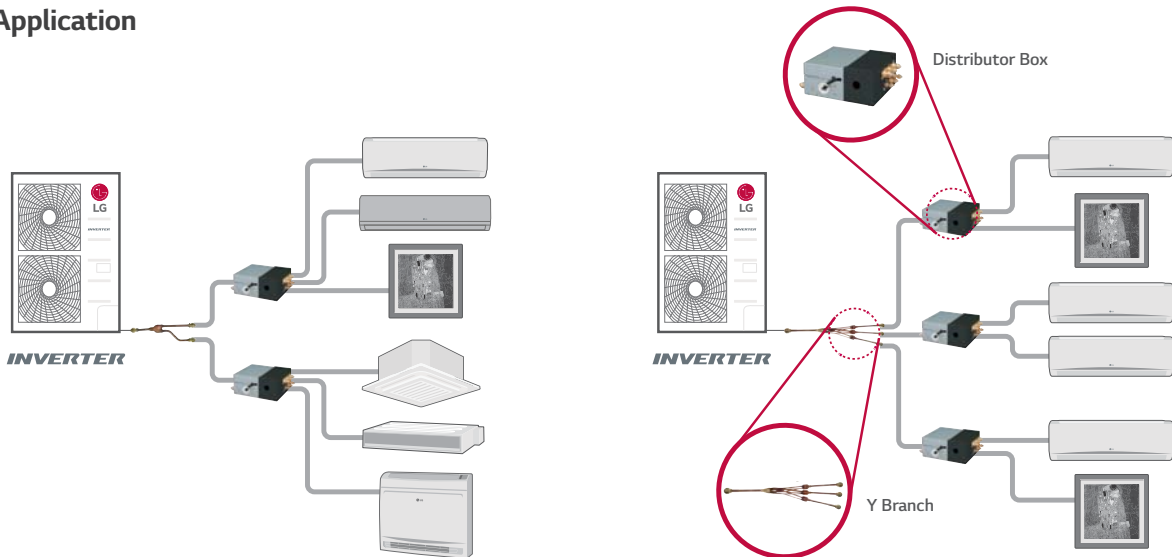
PMBL5620 (2 units) / PMBL1203F0 (3 units)



Features



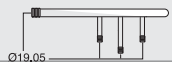
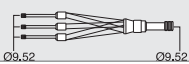
- Y Branch and Branch kit make Multi FDX installation much easier.
- Y Branch and Branch kit for both gas and liquid are provided.
- Insulation material is also provided for covering the branches.

Application



Accessory Model Name

(Unit : mm)

| MODEL NAME | NO. OF BRANCH DISTRIBUTION UNITS | APPLICABLE MODEL | SPECIFICATION | |
|------------|----------------------------------|------------------|--|---|
| | | | GAS | Liquid |
| PMBL5620 | 2 Units | 1Ø, 3Ø |  |  |
| PMBL1203F0 | 3 Units | 1Ø, 3Ø |  |  |