



LG Electronics

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Technology Innovations
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2020

2020

AIR CONDITIONERS



AIR CONDITIONERS

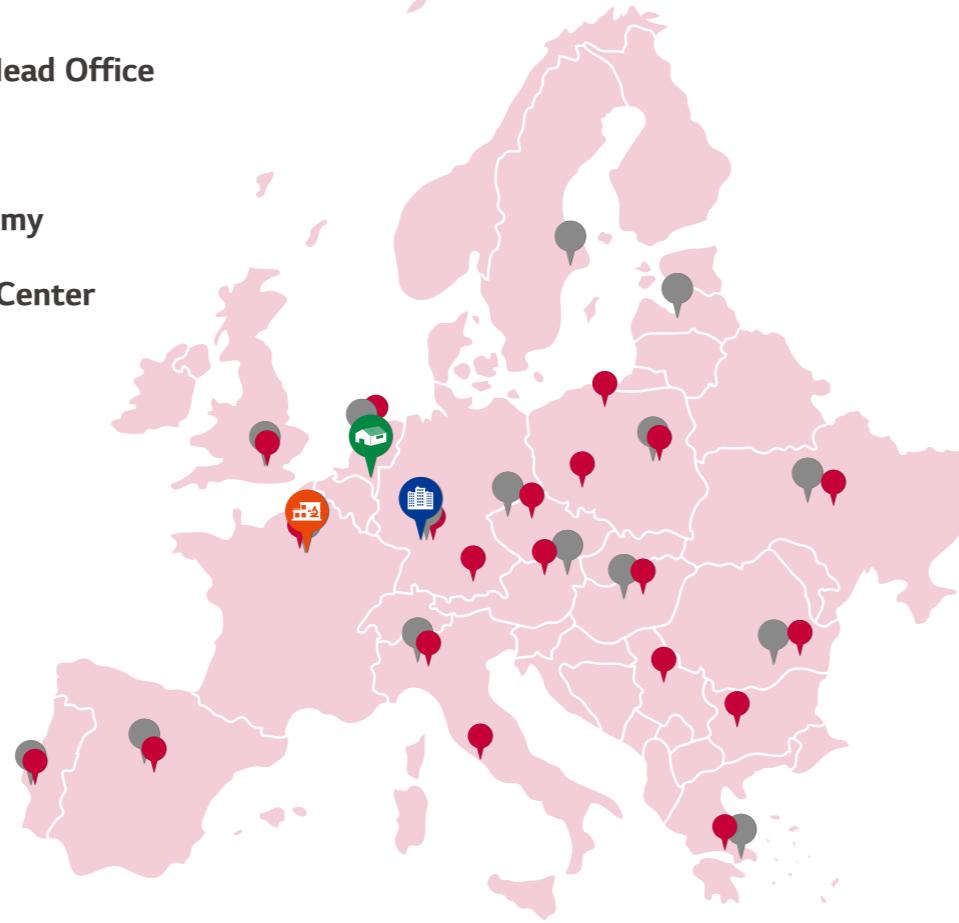
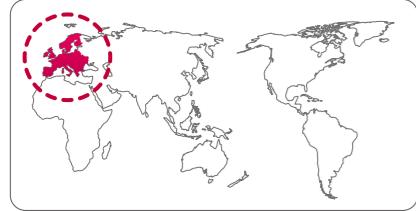
2020



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EUROPE SALES INFRASTRUCTURE

-  Europe B2B Regional Head Office
-  National Sales Office
-  Air Conditioning Academy
-  European Distribution Center
-  Europe Energy Lab
-  Production Site



GLOBAL PRODUCTION SITE



LG Energy Labs in Europe

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



European Air Conditioning Distribution Center

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

TOTAL HVAC SOLUTION PROVIDER

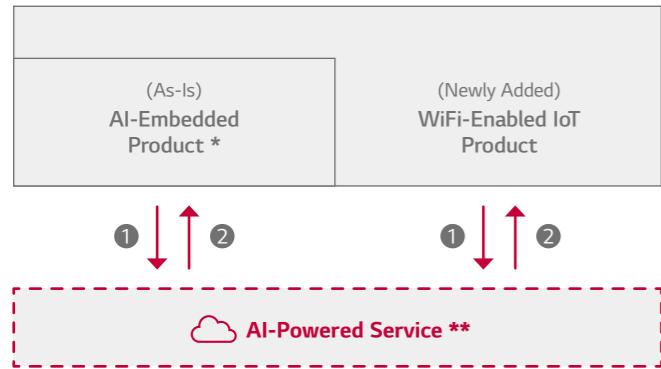
Since manufacturing Korea's first air conditioner exclusively designed for residential use in 1968, LG has been a pioneer of air conditioning innovation. Encouraged by LG's technological leadership in the residential air conditioning sector since the late 1990s, LG moved into the commercial air conditioning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

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

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

Made Better with LG ThinQ™

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



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

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

Consumer Benefits



Intuitive Control

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



Maximum Efficiency

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

Personalized Solution

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



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008 - 131 **RESIDENTIAL**

WALL MOUNTED

016

MULTI SPLIT

070



132 - 247 **COMMERCIAL**

SINGLE SPLIT

132



RESIDENTIAL

WALL MOUNTED

MULTI SPLIT



Anytime, Anywhere!

DUAL COOL ThinQ™

with Voice Control



OK Google,
turn on the air conditioner.

Sure, turning on



Key Features

Enhance your daily life with LG ThinQ

Cool home
when you arrive

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



Check electricity bills
throughout the month

"How much have I been using the
AC lately?"

No need to search for the remote
control your AC with your phone

"Where's the remote control? I don't
want to move a inch from my bed"

Switch off AC
after you've left

"Oh no! Did I remember to turn off
the AC?"

Voice control for a better life

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

Simple voice control, time saving & accessible to everyone

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

Step 1

Voice command to AI Speaker.



Step 2

AI Speaker changes User input
from voice to text.



Google Cloud
LG Cloud

Step 3

AI Speaker server recognizes user is
invoking the Appliance skill. Passes
the user's intent to LG Server.

LG ThinQ™

Step 4

LG Server activates appliance.



※ LG SmartThinQ is now renamed to LG ThinQ.

※ In some countries, the use of the google assistant & amazon alexa system may be restricted.

- Google assistant launched countries : Germany, UK, Ireland, Austria, Switzerland, France, Spain, Italy, Russia, Norway, Netherland, Portugal, Turkey, Sweden, Denmark
- Amazon Alexa launched countries : Germany, UK

Don't Worry!
Now, breathe healthily

DUALCOOL

with Air Purification



Cooling + Heating + Air purification



Comfort 365 days

Removes Ultrafine dust

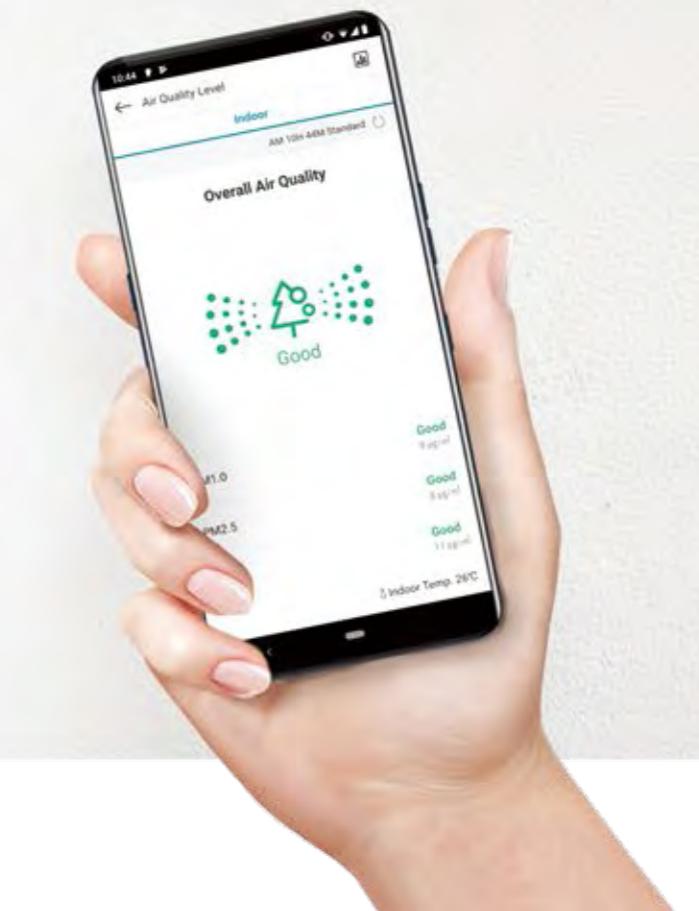


Ion Diffuser &
Micro Dust filtering system

Real-time control & monitoring



LG ThinQ APP



Key Feature

Air conditioner and air purifier in one

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



※ Formerly branded LG SmartThinQ is now LG ThinQ.

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

Four seasons of breeze

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



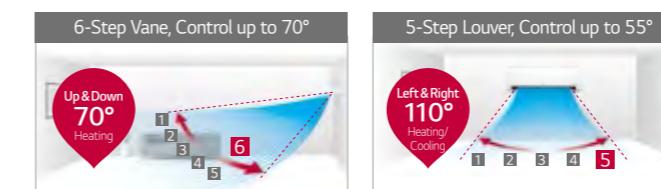
Conveniently manage air quality with the LG ThinQ app

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



4 Way Swing (Indirect Air Flow)

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



10-Year Inverter Compressor Warranty

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



WALL MOUNTED

LINE-UP

INDOOR UNITS

| MODEL | KBTU | 5 | 7 | 9 | 12 | 15 | 18 | 24 |
|-------------------|---|---|------------|------------|------------|------------|------------|------------|
| | KW | 1.5 | 2.1 | 2.6 | 3.5 | 4.2 | 5.3 | 7.0 |
| Gallery |   |  | | A09FT NSF | A12FT NSF | | | |
| ARTCOOL Mirror |   | | AM07BP NSJ | AC09BQ NSJ | AC12BQ NSJ | AC18BQ NSK | AC24BQ NSK | |
| Silver |   | | AC09SQ NSJ | AC12SQ NSJ | AC18SQ NSK | | | |
| Prestige |   |  | F09MT NSM | F12MT NSM | | | | |
| Air Purification |   |  | | AP09RT NSJ | AP12RT NSJ | | | |
| Deluxe |   | DM07RP NSJ | DC09RQ NSJ | DC12RQ NSJ | DC18RQ NSK | DC24RQ NSK | | |
| DUALCOOL Deluxe 2 |   |  | | DC09RT NSJ | DC12RT NSJ | | | |
| Standard Plus |   | PM05SP NSJ | PM07SP NSJ | PC09SQ NSJ | PC12SQ NSJ | PM15SP NSJ | PC18SQ NSK | PC24SQ NSK |
| Standard 2 |   |  | MS07ET NSJ | S09ET NSJ | S12ET NSJ | S18ET NSK | S24ET NSK | |
| Standard |  | | S09EQ NSJ | S12EQ NSJ | S18EQ NSK | S24EQ NSK | | |
| Standard 3 |  |  | S09ES NSA | S12ES NSJ | S12EW NSJ | | | |

WALL MOUNTED

LINE-UP

OUTDOOR UNITS

| MODEL | KBTU | 9 | 12 | 14 | 16 | 18 | 21 | 24 | 27 | 30 |
|-------------------|---|------------|------------|------------|------------|------------|-----------|------------|------------|-----|
| | KW | 2.6 | 3.5 | 4.1 | 4.7 | 5.3 | 6.2 | 7.0 | 7.9 | 8.8 |
| Gallery |   | A09FT UL2 | A12FT UL2 | | | | | | | |
| ARTCOOL Mirror |   | AC09BQ UA3 | AC12BQ UA3 | | | | | AC18BQ UL2 | AC24BQ U24 | |
| Silver |   | AC09BQ UA3 | AC12BQ UA3 | | | | | AC18BQ UL2 | | |
| Prestige |   | | F09MT U24 | F12MT U24 | | | | | | |
| Air Purification |   | | AP09RT UA3 | AP12RT UA3 | | | | | | |
| Deluxe |   | | DC09RQ UL2 | DC12RQ UL2 | | | | DC18RQ UL2 | DC24RQ U24 | |
| DUALCOOL Deluxe 2 |   | | | | DC09RT UA3 | DC12RT UA3 | | | | |
| Standard Plus |   | | | | PC09SQ UA3 | PC12SQ UA3 | | PC18SQ UL2 | PC24SQ U24 | |
| Standard 2 |   | | | | S09ET UA3 | S12ET UA3 | | S18ET UL2 | S24ET U24 | |
| Standard |   | | | | S09EQ UA3 | S12EQ UA3 | | S18EQ UL2 | S24EQ U24 | |
| Standard 3 |   | | | | S09ES UA3 | S12ES UA3 | S12EW UA3 | | | |

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

WALL MOUNTED

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



ARTCOOL SERIES



ARTCOOL Gallery
DUAL Inverter

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



ARTCOOL Silver
DUAL Inverter



ARTCOOL Mirror
DUAL Inverter

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

DUALCOOL SERIES



PRESTIGE DUAL Inverter

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



DUALCOOL WITH AIR PURIFICATION

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



DELUXE DUAL Inverter

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



STANDARD PLUS DUAL Inverter

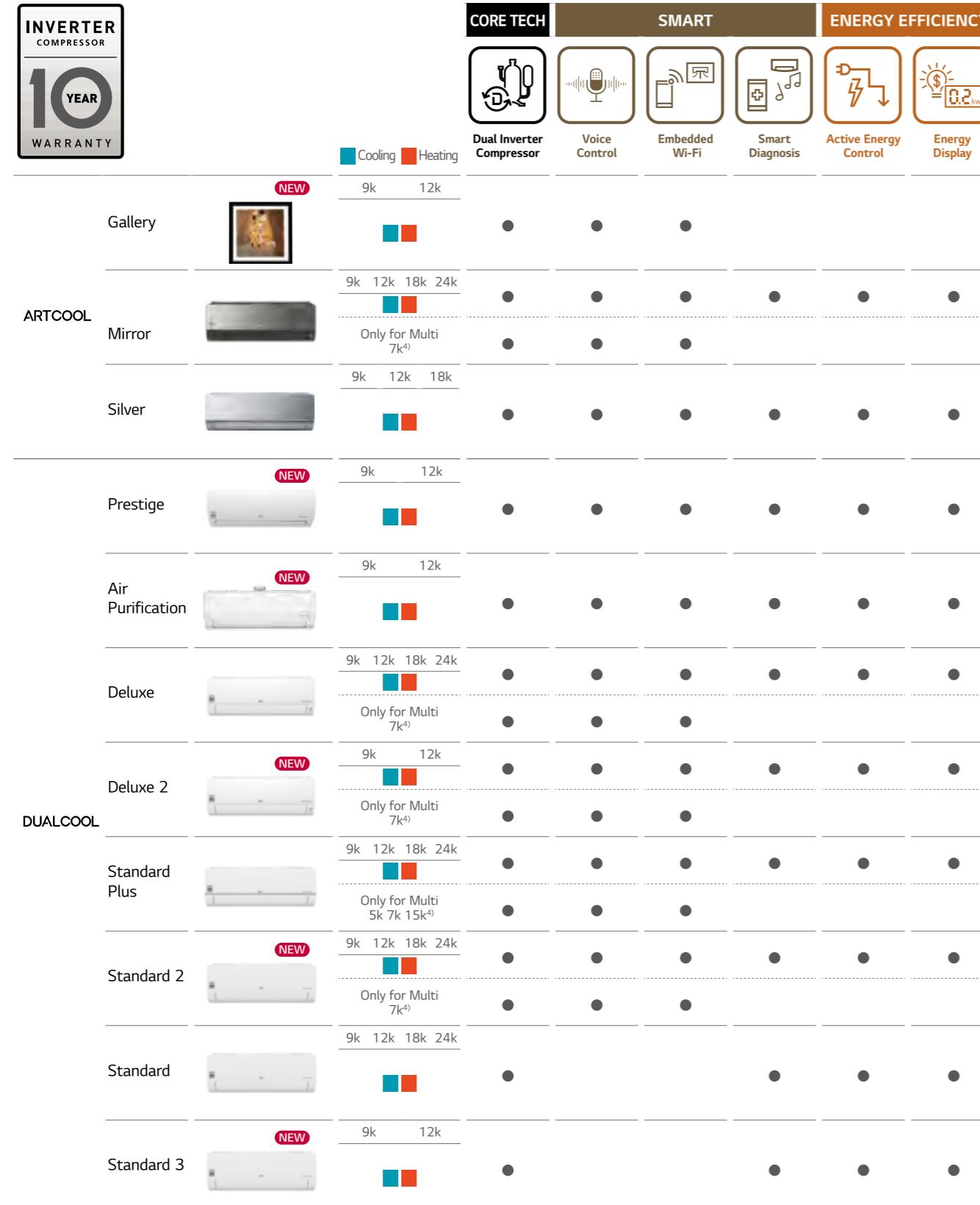
The LG Standard Plus boasts compact size, powerful cooling performance and convenient, sleek design.



STANDARD DUAL Inverter

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

FEATURE OVERVIEW



Feature may vary for each model.

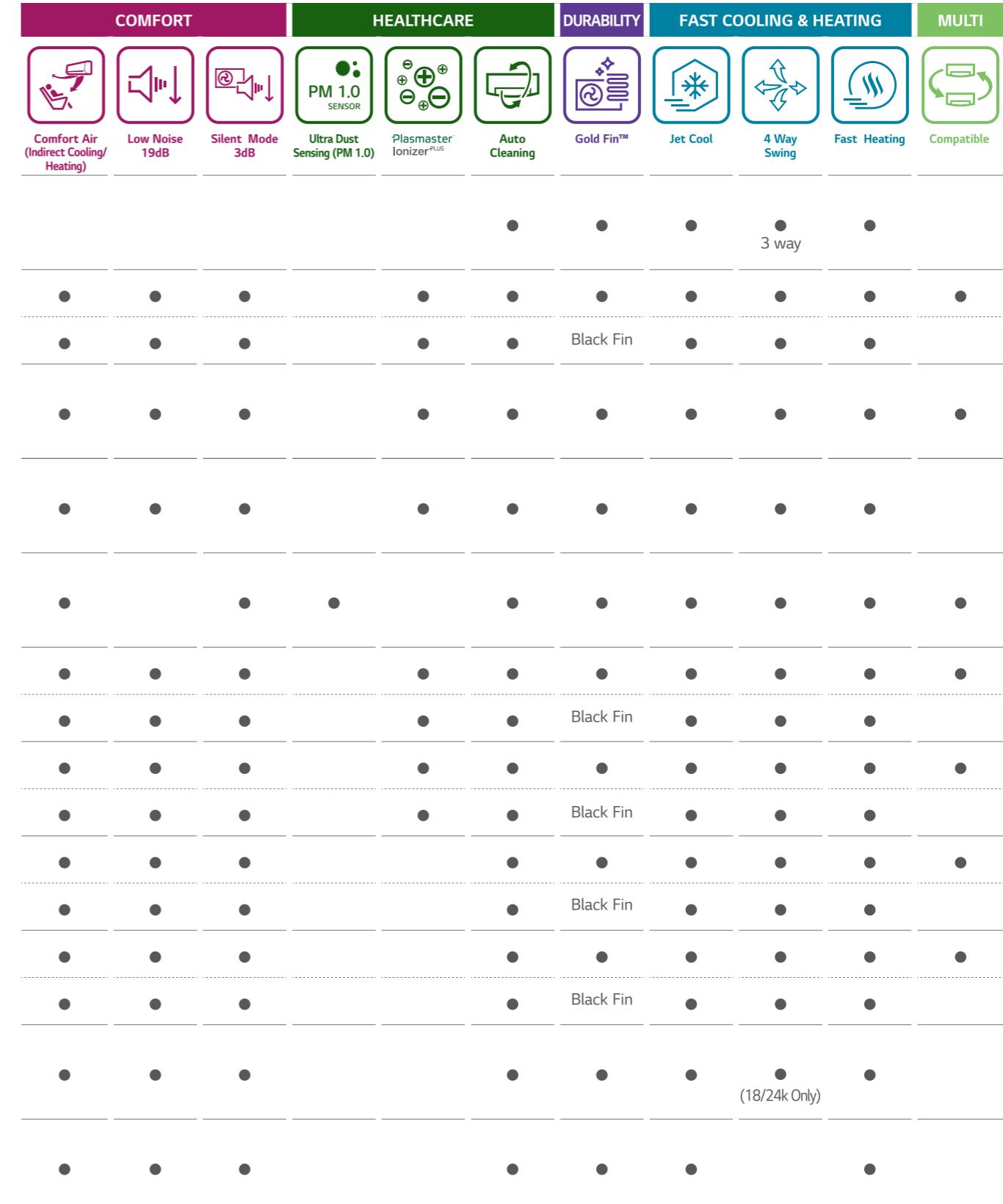
1. When connected to Multi Outdoor unit, Silent Mode 3dB is working by simply setting the dip switch on the PCB of the outdoor unit.

2. When combines with 40kBtu, Cooling A+, Heating A
3. Wi-Fi Ready : can be connected by using Wi-Fi control

3. Wi-Fi Ready : can be connected by using Wi-Fi controller (PWFMD200)
4. Please refer to the specifications of Multi outdoor units

4. Please refer to the specifications of Multi outdoor units.

FEATURE OVERVIEW



(18/24k Only)

UNIQUE FEATURES

Smart

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

Fast Cooling & Heating

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

Quick & Easy Installation

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

Energy Efficiency

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

Extreme Durability

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

Perfect Healthcare

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

Comfort

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



CORE TECH



Dual Inverter Compressor

- What is the Dual Inverter Compressor?

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



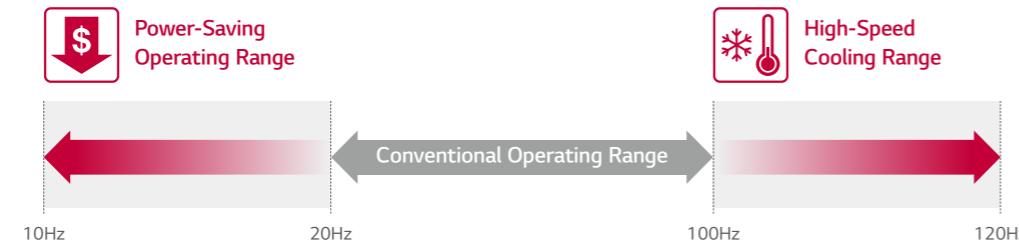
- How it Works

Varied-Speed Dual Rotary

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



Dual Inverter COMPRESSOR



- Product Reliability Improvement

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

CORE TECH



R32 Refrigerant

- R32 is more environmental friendly compared to former refrigerant

- Pain Point

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



- How it Works

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

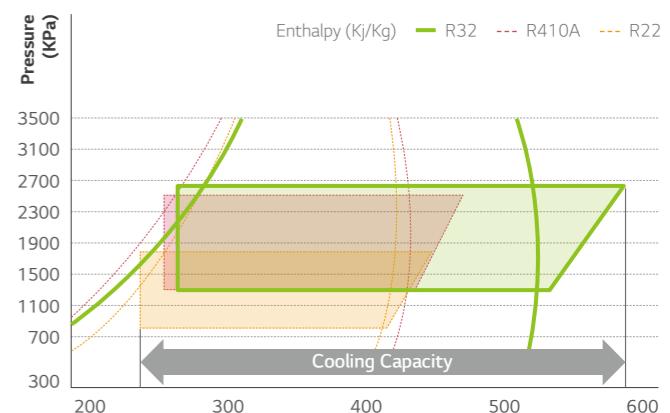
Alleviate Global Warming & Ozone Layer Destruction

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

High Compressibility

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

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



- Benefit

Eco-conscious refrigerants reduce environmental pollution.

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 ThinQ

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

**• How it Works****Embedded Wi-Fi modem**

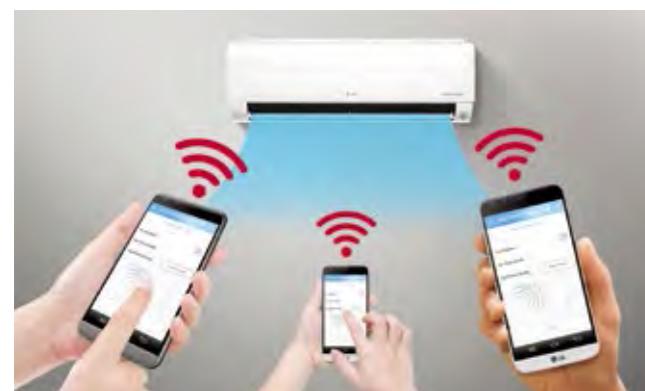
Enable "LG ThinQ" on your air conditioner.



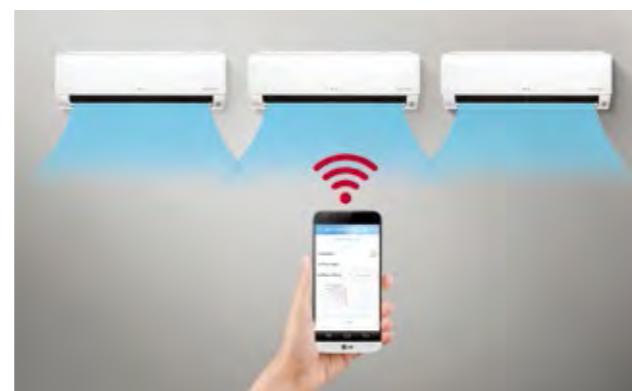
By using the embedded Wi-Fi modem, get ready for innovation without boundaries.

**Wi-Fi Connectivity**

Each individual member of your family can customize 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

※ Can be controlled by multiple users, but not simultaneously

Multi-Control

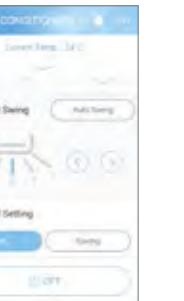
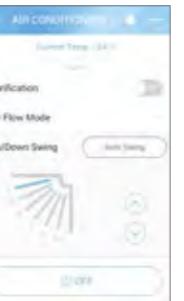
WALL MOUNTED KEY FEATURES

SMART**Embedded Wi-Fi****• Benefit****Simple operation for various functions**

On / Off, Current Temp Mode, Set Temp



Vane Control

**Straight-forward management****Integrated Home Appliances Control**

Monitor and control your LG appliances from one place.



Access your air conditioner anytime and from anywhere
with a Wi-Fi equipped device and LG's exclusive control app, ThinQ.



SMART



Smart Diagnosis

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

※ Specifications may vary for each model.

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

What is Smart Diagnosis?

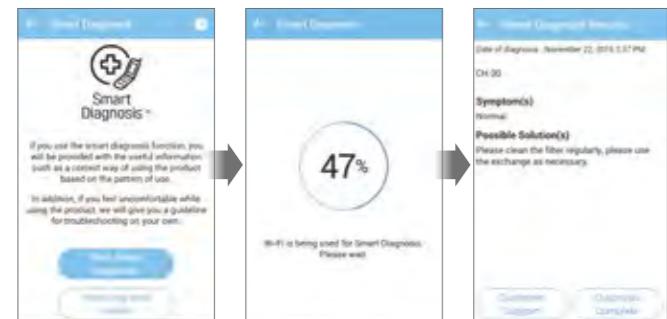
Smart Diagnosis allows users to conveniently check setup, installation, troubleshooting and other information directly from a smartphone.

※ Builds upon widespread smartphone use and offers greater USP diversification

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

• How it works

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



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



SMART



Smart Diagnosis

• 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**LG SIMs****SIMs App**

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

• Benefit**Easy Monitoring**

Diagnose problems anytime, anywhere with a SIMs chip.

Easy Diagnosis & Quick Response

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

| | |
|---------------------|---|
| Main | Current outdoor temperature Indoor temperature Inverter Comp frequency Operating opening Error code / Frequency limits Indoor. Outdoor fan speed |
| Indoor Unit | Indoor Unit capacity / Operation mode THM mode / REM mode FAN operating condition / EEV opening Room temperature / Suction Temperature Intermediate temperature Exit temperature |
| Chart | Room temperature Heat exchanger pipe temperature Compressor discharge temperature Frequency / Outdoor temperature Compressor suction temperature Electric current / Voltage |
| Outdoor Unit | Frequency / Fan RPM DC Link / Input current Input voltage EEV operation mode Restart timer Compressor mode / EEV opening |

Certificate

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

WALL MOUNTED KEY FEATURES

SMART**Low Refrigerant Detection**

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

※ Specifications may vary for each model.

※ Depending on the experimental conditions.

※ When connected to Multi ODU, Low Refrigerant Detection function may not be supported.

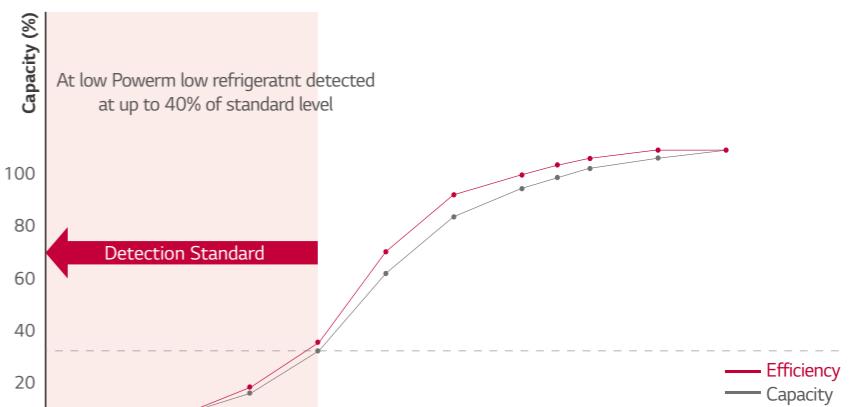
• How It Works**Early Detection of Low Refrigerant Levels**

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

3 Checkpoints for Low Refrigerant Level :

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

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

Capacity and Effectiveness of the Refrigerant Levels

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

• Benefit**Longer Lifespan for Air Conditioner**

Notify You of Low Refrigerant Levels.

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

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

ENERGY EFFICIENCY

Supreme Energy Efficiency

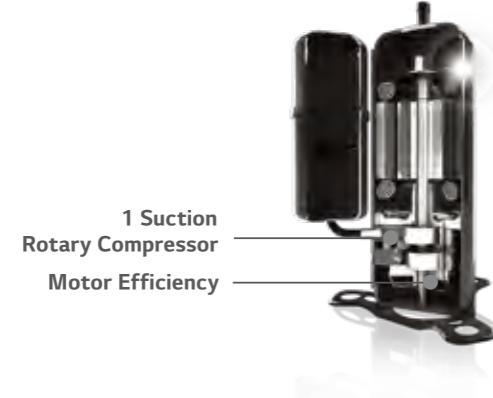
LG's revolutionary Inverter technology boasts powerful yet quiet performance while minimising energy consumption. With world-class energy efficiency, enjoy comfort as well as energy savings.

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

• High Efficient Compressor and Reversing Valve

Rotary Compressor and Motor Efficiency

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



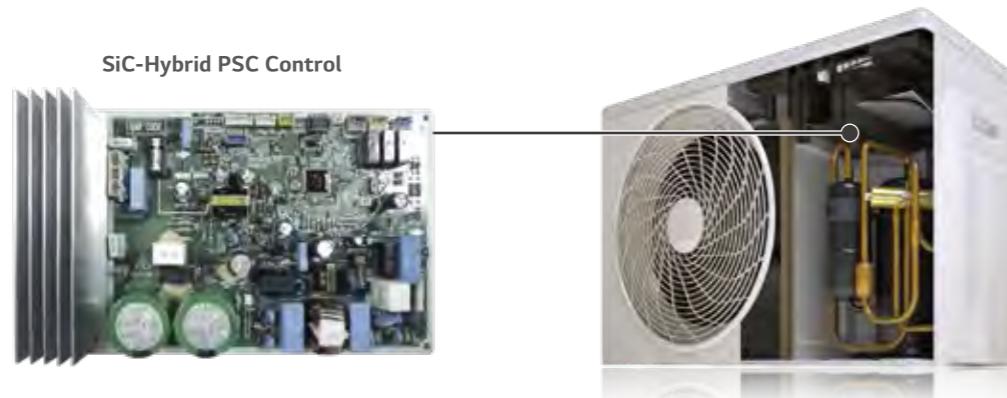
Bi-Stable Reversing Valve

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



• Improved Inverter Drive Efficiency

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



ENERGY EFFICIENCY

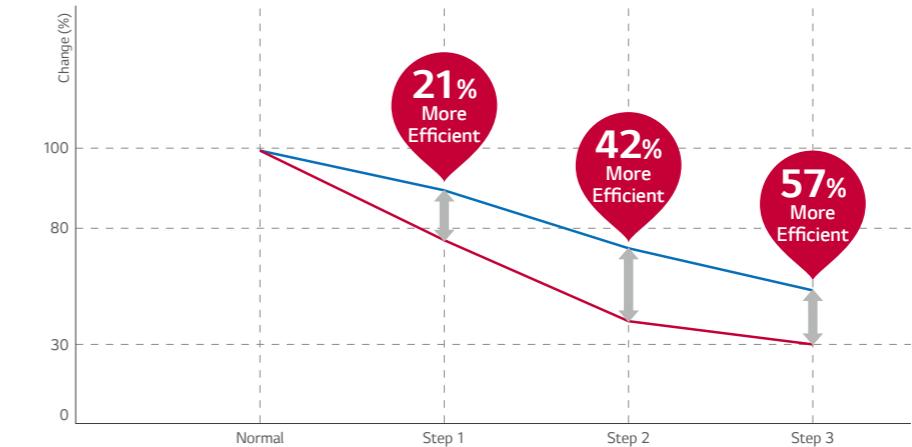
Active Energy Control 4 - Step

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

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

• Concept & Benefit

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



— Cooling Capacity
— Energy Consumption
↔ System Efficiency Gain

※ Test Conditions : Normal Temperature (Indoor Temperature : 28°C, Outdoor Temperature : 32°C)
※ Test Model : DM12RP

• How It Works



ENERGY EFFICIENCY



Energy Display

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

※ Specifications may vary for each model.

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

• How it Works

Magic Display & Remote Control

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



• Benefit

Normal Mode

Current Setting Temp



PERFECT HEALTHCARE



Plasmaster™ Ionizer^{PLUS}

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

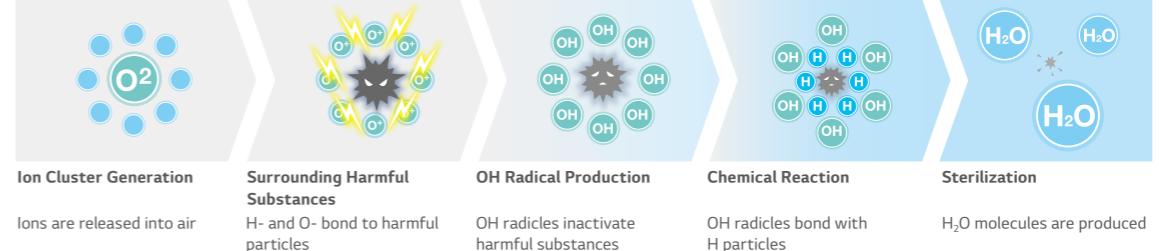
※ Specifications may vary for each model.

※ Depending on the experimental conditions.

• How It Works

Sterilization and Deodorization (Utilizes Over 3 Million Ions)

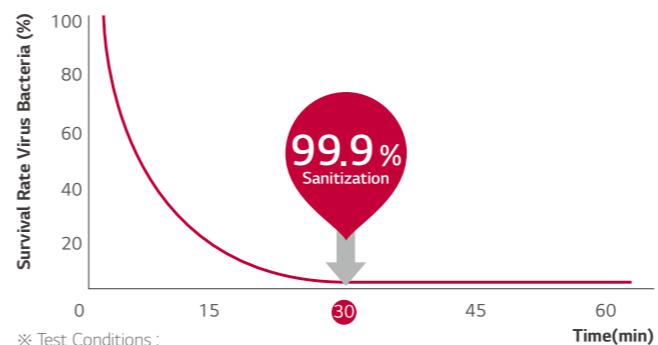
Plasmaster Ionizer+ reduces E.coli and Staphylococcus in the surface with over 3 million ions.



• Test Result

Sterilization Performance Evaluations

Sterilize Bacteria E.coli over 99.9% in 30 min

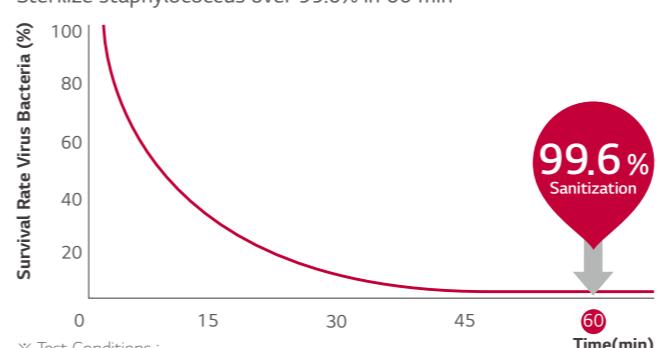


2.1 odor strength decrease in 60 minutes

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



Sterilize staphylococcus over 99.6% in 60 min



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

※ Test conditions :
Space : 8m³ Chamber
Temperature & Humidity : Normal
Tested by Intertek

WALL MOUNTED KEY FEATURES

PERFECT HEALTHCARE**PM 1.0 Auto Senser**

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

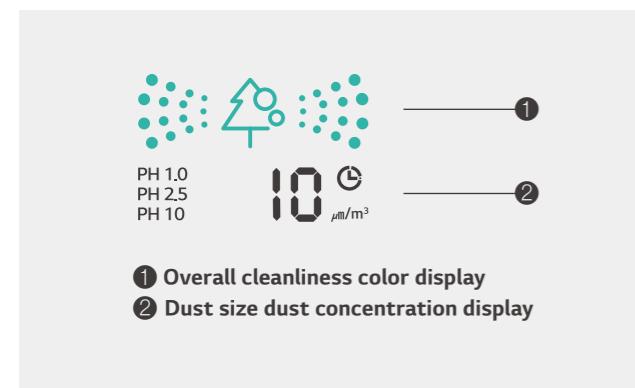
※ Specifications may vary for each model.

※ Depending on the experimental conditions.



- AQI (Air Quality Index) is displayed in unit of 1 within 8-999 $\mu\text{g}/\text{m}^3$.
- AQI (Air Quality Index) may continuously change according to changes in the indoor environment.
- Overall cleanliness color is displayed based on the highest contamination level among fine dust (PM10), ultra fine dust (PM2.5), and super ultrafine dust (PM1.0).
- Overall cleanliness color is displayed in 4 levels according to the indoor contamination level.
- If dust concentration is high, the difference between the displayed dust concentration and the actual dust concentration may increase.

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



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

| Color | Level | Display standard ($\mu\text{g}/\text{m}^3$) | | |
|--------|----------|---|--------------------------|-------------------|
| | | Super ultra fine dust (PM 1.0) | Ultra fine dust (PM 2.5) | Fine dust (PM 10) |
| Green | Good | 12 or less | 12 or less | 54 or less |
| Yellow | Normal | 13 - 35 | 13 - 35 | 55 - 154 |
| Orange | Bad | 36 - 55 | 36 - 55 | 155 - 254 |
| Red | Very Bad | 56 or more | 56 or more | 255 or more |

Guide to dust particles' size

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

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

* Minimum capturing size of particle : 0.02 μm

※ PM : Particulate matter is the sum of all solid and liquid particles suspended in air many of which are hazardous.

This complex mixture includes both organic and inorganic particles, such as dust, pollen, soot, smoke, and liquid droplets.

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 10 μm in size, first line of defense against finer particles.



- Additional Benefit

Easy to Open

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



**1 Step
Detachable
Grille**

Easy to Clean

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



**Ez
Cleaning
Filter**

PERFECT HEALTHCARE



Auto Cleaning

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

※ Specifications may vary for each model.

• Pain Point

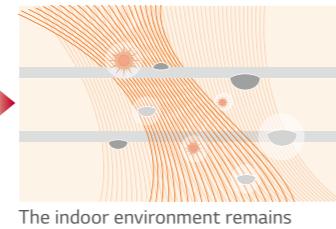
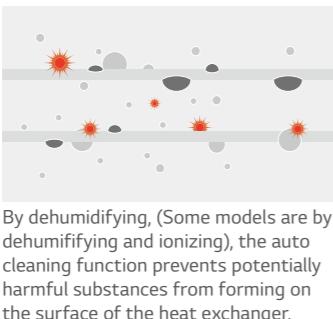
The main cause of odor within air conditioners is mold and bacteria growing on the heat exchanger. These germs can spread when the heat exchanger is wet.



• How It Works

Cleans Filter with Regular Air Flow

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



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

The indoor environment remains odorless with the advanced deodorizing function.

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

• Benefit

Removes Harmful Particles

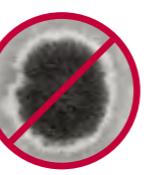
Auto Cleaning provides clean air by preventing bacteria, mold and odors that can otherwise accumulate in an indoor unit.



Bacteria
Prevention



Odor
Elimination



Mold
Elimination

FAST COOLING & HEATING



Fast Cooling

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

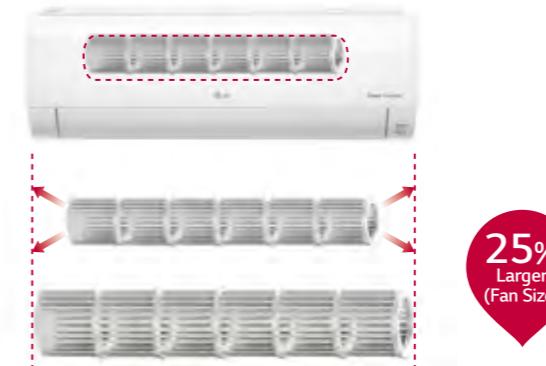
※ Specifications may vary for each model.

※ Depending on the experimental conditions.

• How It Works

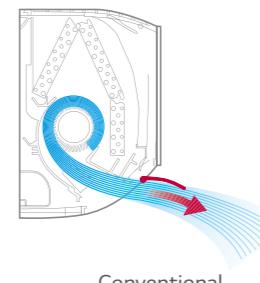
Bigger Skew Fan

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

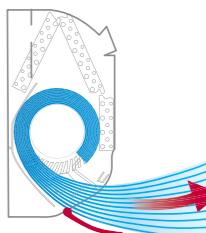


Cooling Outlet

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



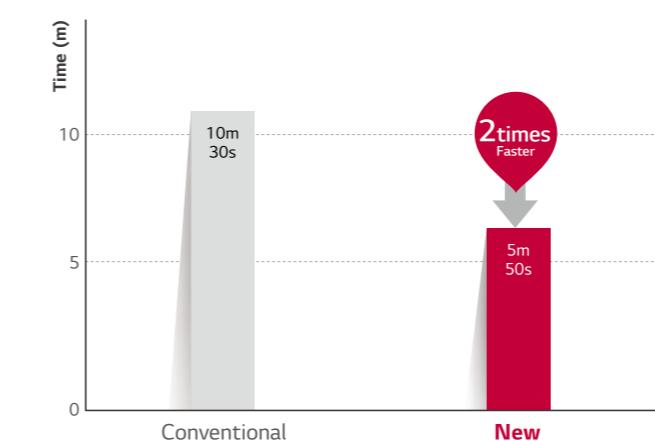
Conventional



LG

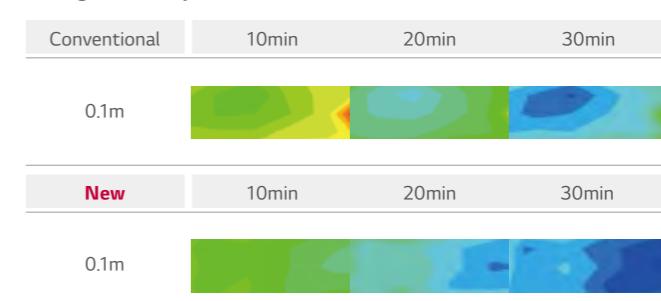
• Test Result

Test Result



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

Changes in Temperature Over 30 Minutes



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

FAST COOLING & HEATING



Jet Cool

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

※ Specifications may vary for each model.

※ Depending on the experimental conditions.

• How It Works

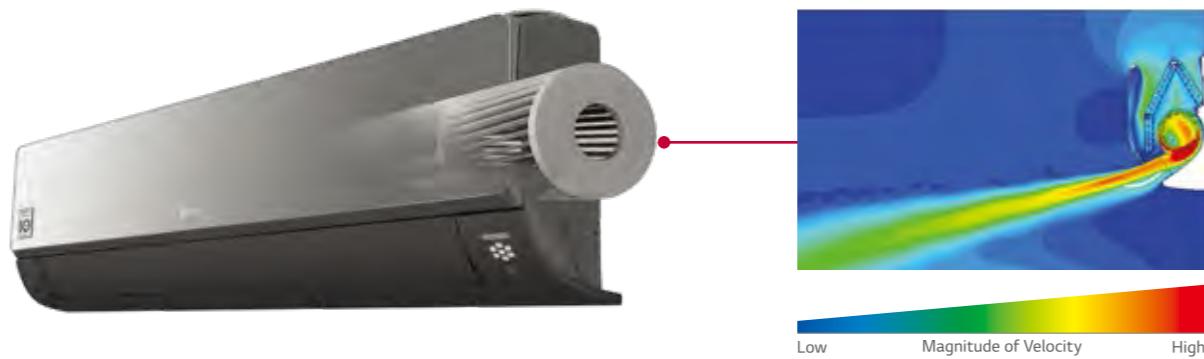
One Click "Jet Mode"

Reduces the temperature of outflowing air to 18°C for 30 minutes with just one click.



• More Powerful Performance

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



FAST COOLING & HEATING



4 Way Swing

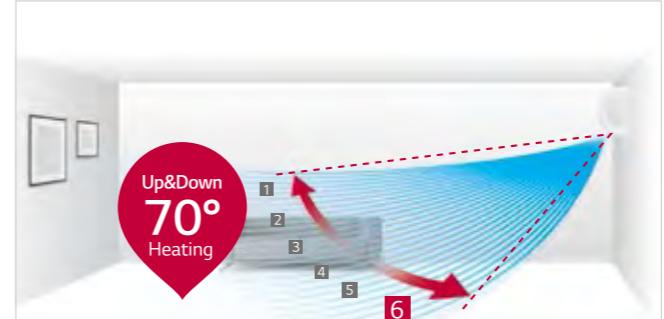
Cool air reaches out to the entire room regardless of where the air conditioner is installed.

※ Specifications may vary for each model.

• How It Works

6-Step Vane, Control up to 70°

The vertical vane, which moves up and down, has 6 different settings including full-auto swing.



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

5-Step Louver, Control up to 55°

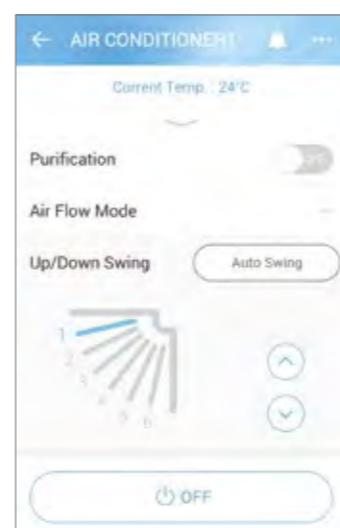
The louver, which sways left and right, has 5 different settings including full auto-swing.



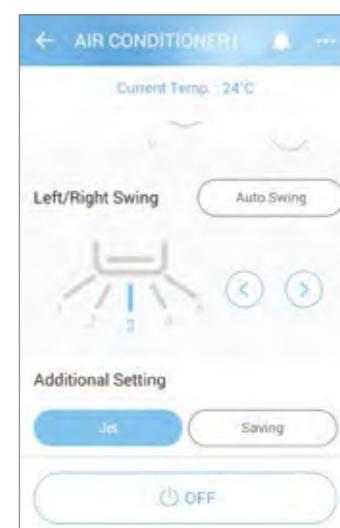
• Easy and Simple Control

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

Up/Down Swing



Left/Right Swing



FAST COOLING & HEATING



Fast Heating

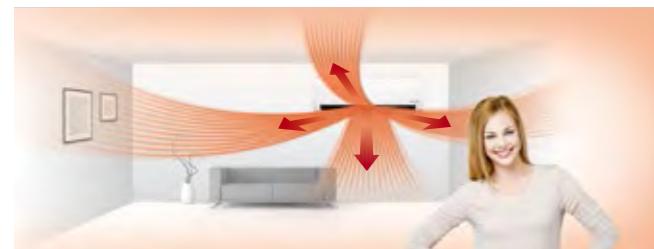
LG Residential Air Conditioners satisfy your heating needs while consuming less energy, by heating a wider space in a shorter period of time to create a warm and comfortable living environment.

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

• How It Works

4 Way Auto Swing (Easy Airflow Control)

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



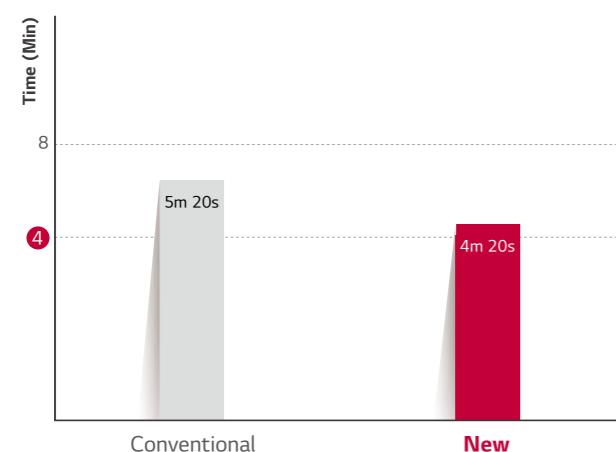
Vertical Airflow

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

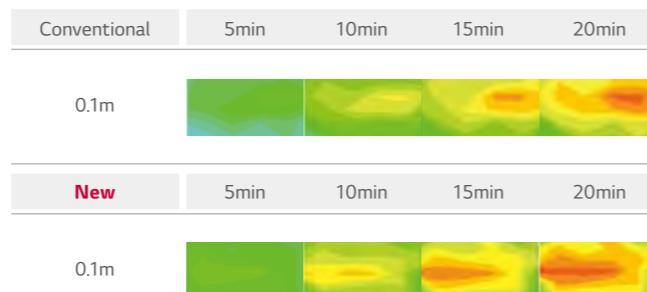


• Benefit & Test Result

22% Quick Heating



Changes in Temperature Over 20 Minutes



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

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

EXTREME DURABILITY



10-Year Inverter Compressor Warranty

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

※ Specifications may vary for each model.

• What is the 10 Year Warranty?

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



• Benefit & Verification

Reliable Air Conditioner

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



Verification

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

※ Long Term Accelerated-Reliability test
LG's unique testing method with reinforced operating condition for a product life assurance to test and determine the product life cycle in a short period of time by accelerating the life cycle.

※ High Marginal Test
Test method to secure durability in various adverse conditions that may occur in the field by performing comp reliability test against higher pressure and temperature than the designed range of pressure and temperature which the comp operates in.

※ Verification obtained from TUV Rheinland for 10-year product life cycle.

Single Rotary Twin Rotary Type



EXTREME DURABILITY



Gold Fin™

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

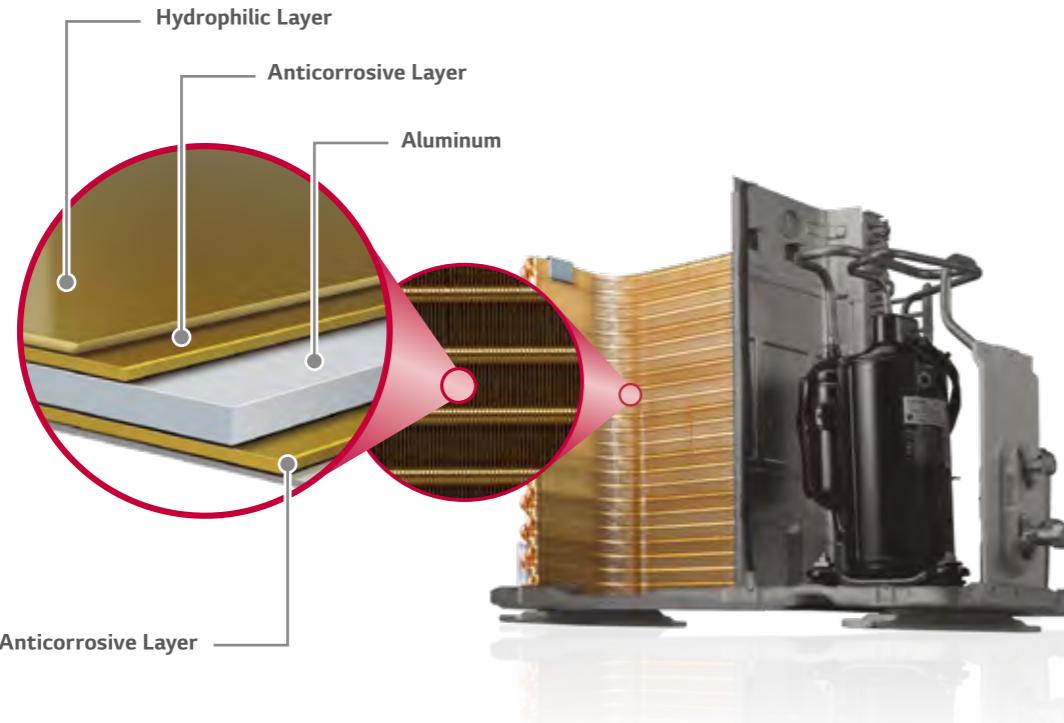
※ Specifications may vary for each model.

※ Depending on the experimental conditions.

• How It Works

Corrosion-resistant protective layer

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



• Test Result

Conventional Fin



Gold Fin™



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

COMFORT



Comfort Air (Indirect Cooling)

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

※ Specifications may vary for each model.

• Concept

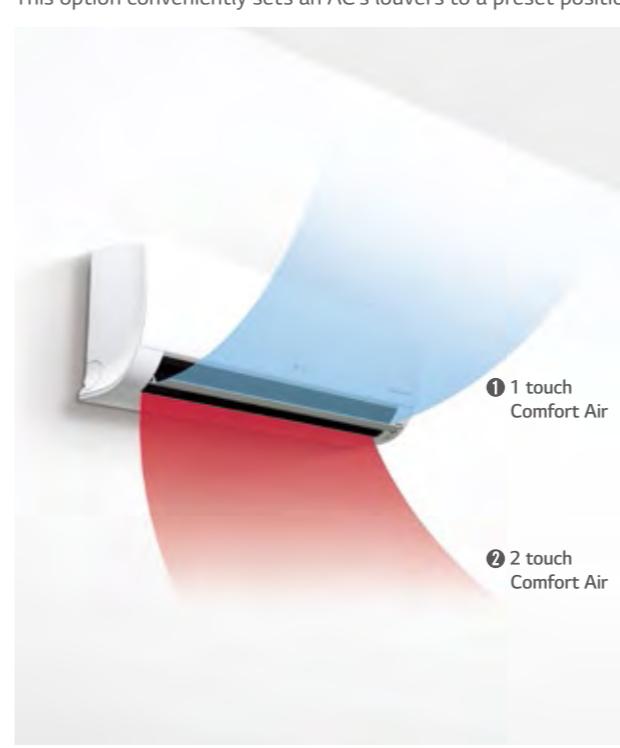
Comfort Air changes the air flow angle to ensure that air is directed away from occupants to promote more comfortable environments optimized for sleeping and more.

• How It Works

Control Panel

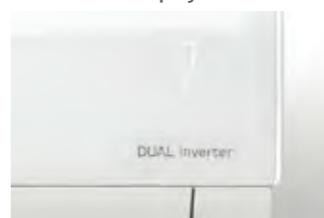


Remote Control



Scene 1: Inclines to a maximum 80° angle.
Sets vane angle to highest position : Optimized for gentle airflow cooling.

Indoor Unit Display

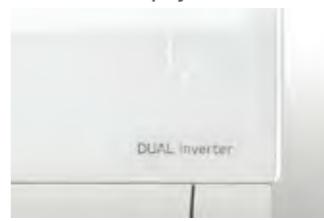


Remote Controller Display

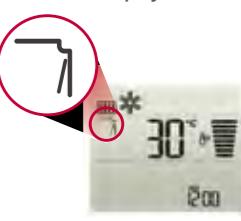


Scene 2: Declines to a maximum 10° angle.
Sets vane angle to lowest position : Optimized for gentle airflow heating.

Indoor Unit Display



Remote Control Display



WALL MOUNTED KEY FEATURES

COMFORT


Low Noise

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

※ Specifications may vary for each model.

• How It Works
LG's Unique Skew Fan

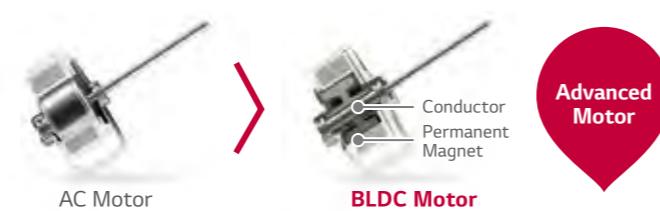
By minimizing the surface pressure of the fan blade when in contact with the air, the noise produced by the air conditioning unit is reduced to a remarkably low level.



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.



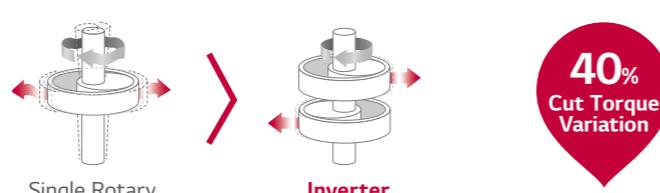
Advanced Motor

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

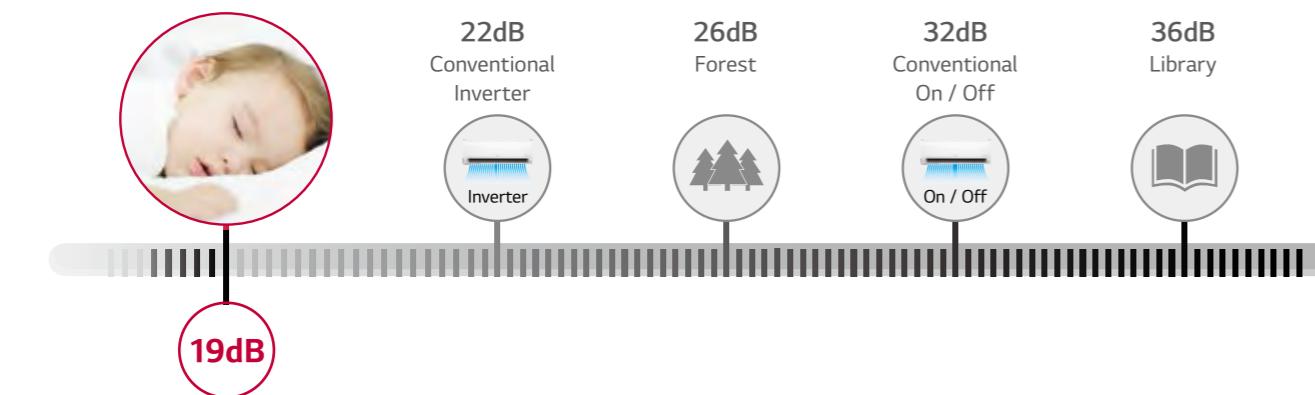
- Low Electric and mechanical noise.
- Precise speed control durable.

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.



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.

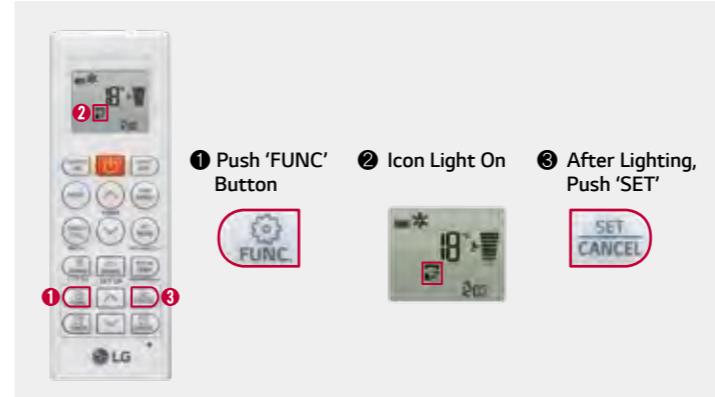
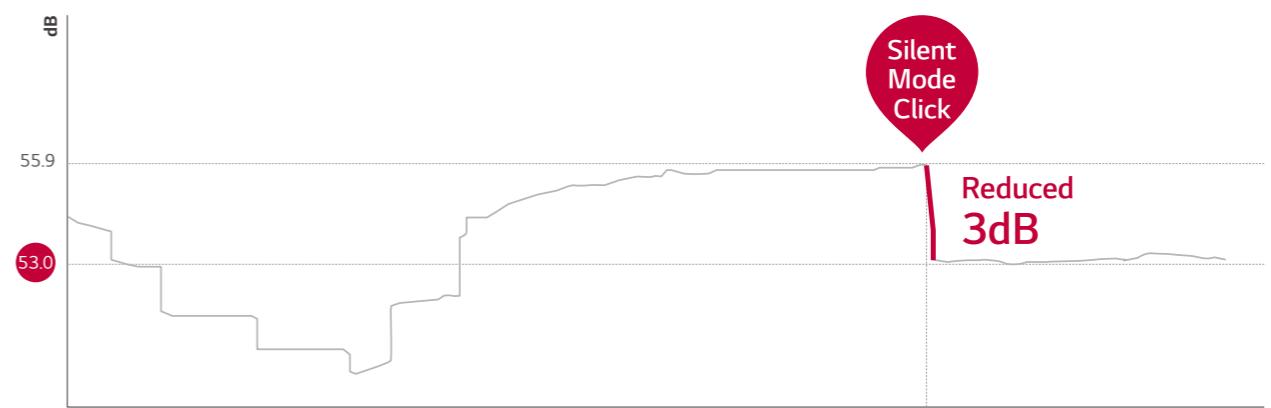
※ Specifications may vary for each model.

※ 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

※ Test Conditions

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

COMFORT



Quick & Easy Installation

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

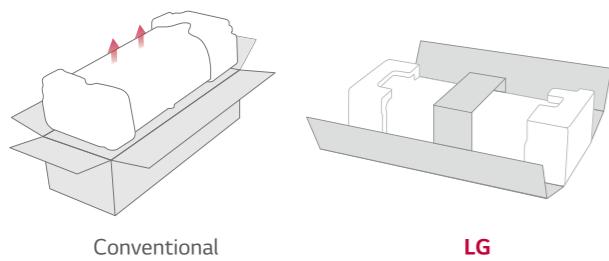
※ Specifications may vary for each model.

• Concept

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

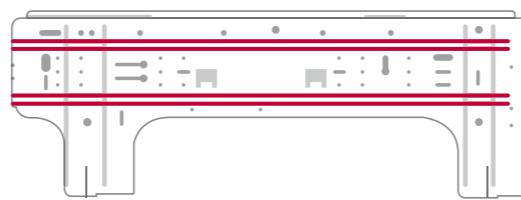
• How It Works

One Simple Packing Box



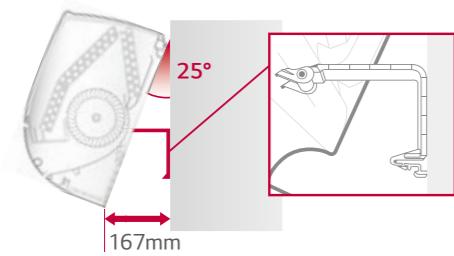
Installation Plate Improvement

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



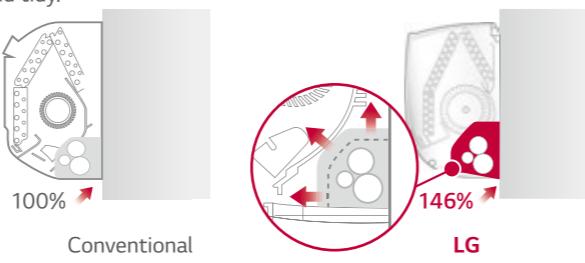
Installation Support Clip

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



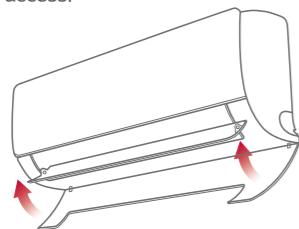
Wider Tubing Space

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



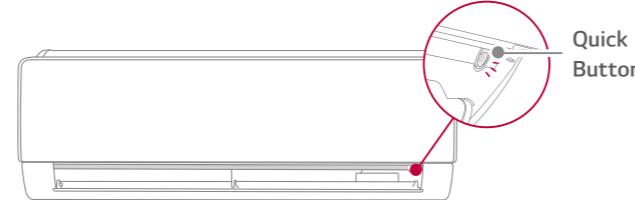
Detachable Bottom Cover

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



Quick button for running test

The test button is conveniently located and easy to find.



ARTCOOL GALLERY

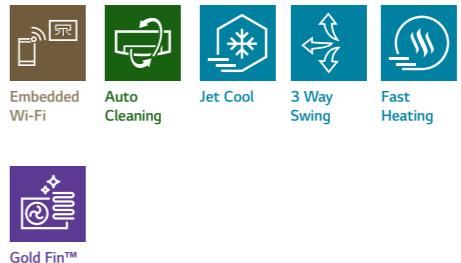


NEW



EUROVENT CERTIFIED PERFORMANCE

Dual Inverter COMPRESSOR



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 | | A09FT NSF | | A12FT NSF | |
| Capacity | Cooling | Min / Rated / Max | W | 890 / 2,500 / 3,700 | 890 / 3,500 / 4,040 | 890 / 4,000 / 5,100 |
| | Heating | Min / Rated / Max | W | 890 / 3,300 / 4,100 | 3200 | 3500 |
| Power Input | Heating -7°C | Rated | W | | 1050 | 1108 |
| | Cooling | Rated | W | 658 | 3.8 | 3.33 |
| | Heating | Rated | W | 831 | 6.8 | 6.6 |
| EER | | | W / W | | 2.5 | 3.5 |
| S.E.E.R. | | | kW | 3.97 | 3.61 | |
| P design C | | | W / W | 4.0 / 4.6 | 4.0 / 4.6 | |
| COP | | | kW | 2.7 / 1.5 | 2.7 / 1.5 | |
| S.C.O.P. (Average / Warmer) | Cooling | | | A++ | A++ | |
| P design H (Average / Warmer) | Heating (Average / Warmer) | | | A+ / A++ | A+ / A++ | |
| Energy Label | | | | 129 | 186 | |
| (A+++ to D Scale) | | | | 945 / 457 | 945 / 457 | |
| Annual Energy Consumption | Cooling | kWh | | 27 / 35 / 39 / 45 | 27 / 35 / 39 / 45 | |
| Sound Pressure | Heating | dB(A) | | 35 / 39 / 45 | 35 / 39 / 45 | |
| Sound Power | Cooling | Power | dB(A) | 60 | 60 | |
| Air Flow Rate | Cooling | S / L / M / H | m³ / min | - / 6.0 / 7.6 / 9.0 | - / 6.0 / 7.6 / 9.0 | |
| | Max (Power) | | m³ / min | 10.0 | 10.0 | |
| | Heating | L / M / H | m³ / min | 6.1 / 7.8 / 9.3 | 6.1 / 7.8 / 9.3 | |
| Dehumidification Rate | | I/h | | 1.1 | 1.3 | |
| Running Current | Cooling | Rated | A | 3.2 | 4.9 | |
| | Max | A | | 6.0 | 6.0 | |
| | Heating | Rated | A | 4.1 | 5.1 | |
| | Max | A | | 7.0 | 7.0 | |
| Starting Current | Cooling / Heating | Rated | A | 3.2 / 4.1 | 4.9 / 5.1 | |
| Power Supply | | Ø, V, Hz | | 1,220-240, 50 | 1,220-240, 50 | |
| Circuit Breaker | | A | | 15 | 15 | |
| Power Supply Cable | | N x mm² | | 3 x 1.0 | 3 x 1.0 | |
| Power & Transmission Cable | | N x mm² | | 4 x 1.0 (Including Earth) | 4 x 1.0 (Including Earth) | |
| Dimension | | mm | | 600 x 600 x 146 | 600 x 600 x 146 | |
| Net Weight | | kg | | 14.4 | 14.4 | |
| Fan Motor Output | | W | | 16.7 | 16.7 | |
| OUTDOOR | | A09FT UL2 | | | A12FT UL2 | |
| Operation Range | Cooling | Min / Max | °CDB | -10 / 48 | -10 / 48 | |
| | Heating | Min / Max | °CDB | -10 / 24 | -10 / 24 | |
| Sound Pressure | Cooling | High | dB(A) | 51 | 51 | |
| | Heating | High | dB(A) | 51 | 51 | |
| Sound Power | Cooling | High | dB(A) | 65 | 65 | |
| Air Flow Rate | Cooling | High | m³ / min | 35 | 35 | |
| Piping | Length (Odu / Idu) | Min / Max | m | 3 / 20 | 3 / 20 | |
| | Elevation (Odu / Idu) | Max | m | 10 | 10 | |
| Piping Connection | Liquid OD (Outside) | mm (inch) | | 6.35 (1/4) | 6.35 (1/4) | |
| | Gas OD (Outside) | mm (inch) | | 9.52 (3/8) | 9.52 (3/8) | |
| Drain Hose Size | OD (Outside) | mm (inch) | | 21.5 (27/32) | 21.5 (27/32) | |
| | Type | | | R32 | R32 | |
| Refrigerant | Charge at 7.5m | kg | | 0.800 | 0.800 | |
| | t-CO ₂ , eq | | | 0.540 | 0.540 | |
| | Additional charge | g/m | | 20 | 20 | |
| | GWP | | | 675 | 675 | |
| Fan Motor Output | | W | | 43 | 43 | |
| Compressor Type | | | | Twin Rotary | Twin Rotary | |
| Net Weight | | kg | | 34.4 | 34.4 | |
| Dimension | | mm | | 770 x 545 x 288 | 770 x 545 x 288 | |

※ This product contains Fluorinated greenhouse gases (R32).

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

※ GWP : Global warming potential

※ t-CO₂, eq : F-gas(kg) * GWP/1000

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

ARTCOOL MIRROR



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 | | AC09BQ NSJ | AC12BQ NSJ | AC18BQ NSK | AC24BQ NSK | AC09BQ UA3 | AC12BQ UA3 | |
| Capacity | Cooling | Min / Rated / Max | W | 890 / 2,500 / 3,700 | 890 / 3,500 / 4,040 | 900 / 5,000 / 5,500 | 900 / 6,600 / 7,420 | 890 / 2,500 / 3,700 | 890 / 3,500 / 4,040 | |
| | Heating | Min / Rated / Max | W | 890 / 3,300 / 4,100 | 890 / 4,000 / 5,100 | 900 / 5,800 / 6,400 | 900 / 7,500 / 8,640 | 890 / 3,300 / 4,100 | 890 / 4,000 / 5,100 | |
| Power Input | Cooling | Rated | W | 2,600 | 3,000 | 4,200 | 6,000 | 2,600 | 3,000 | |
| | Heating | Rated | W | 656 | 1,080 | 1,562 | 2,164 | 656 | 1,080 | |
| EER | | W / W | | 3.81 | 3.24 | 3.20 | 3.05 | 3.81 | 3.24 | |
| S.E.E.R. | | | | 7.0 | 6.6 | 7.0 | 6.9 | 7.0 | 6.6 | |
| P design C | | kW | | 2.5 | 3.5 | 5.0 | 6.6 | 2.5 | 3.5 | |
| COP | | W / W | | 4.13 | 3.81 | 3.60 | 3.35 | 4.13 | 3.81 | |
| S.C.O.P. (Average / Warmer) | | | | 4.0 / 4.9 | 4.0 / 4.9 | 4.3 / 5.3 | 4.3 / 5.3 | 4.0 / 4.9 | 4.0 / 4.9 | |
| P design H (Average / Warmer) | | kW | | 25 / 1.3 | 25 / 1.3 | 39 / 2.1 | 50 / 2.7 | 25 / 1.3 | 25 / 1.3 | |
| Energy Label | Cooling | | | A++ | A++ | A++ | A++ | A++ | A++ | |
| (A+++ to D Scale) | Heating (Average / Warmer) | | | A+ / A++ | A+ / A++ | A+ / A+++ | A+ / A+++ | A+ / A++ | A+ / A++ | |
| Annual Energy | Cooling | kWh | | 125 | 186 | 250 | 335 | 125 | 186 | |
| Consumption | Heating (Average / Warmer) | kWh | | 875 / 371 | 875 / 371 | 1270 / 555 | 1628 / 713 | 875 / 386 | 875 / 386 | |
| Sound Pressure | Cooling | S / L / M / H | dB(A) | 19 / 27 / 35 / 41 | 19 / 27 / 35 / 41 | 31 / 34 / 39 / 44 | 31 / 34 / 42 / 47 | 19 / 27 / 35 / 41 | 19 / 27 / 35 / 41 | |
| | Heating | L / M / H | dB(A) | 27 / 35 / 41 | 27 / 35 / 41 | 34 / 39 / 44 | 34 / 42 / 47 | 27 / 35 / 41 | 31 / 34 / 39 / 44 | |
| Sound Power | Cooling | Power | dB(A) | 59 | 59 | 60 | 65 | 59 | 60 | |
| | Heating | S / L / M / H | m³ / min | 30 / 4.2 / 7.5 / 100 | 30 / 4.2 / 7.5 / 100 | 80 / 10.5 / 13.0 / 14.5 | 80 / 10.5 / 13.1 / 16.1 | 30 / 4.2 / 7.5 / 100 | 30 / 4.2 / 7.5 / 100 | |
| Air Flow Rate | Cooling | Max (Power) | m³ / min | 12.5 | 12.5 | 15.5 | 20.0 | 12.5 | 15.5 | |
| | Heating | L / M / H | m³ / min | 5.6 / 7.2 / 10.0 | 5.6 / 7.2 / 10.0 | 11.0 / 13.5 / 16.0 | 10.5 / 13.1 / 16.1 | 5.6 / 7.2 / 10.0 | 5.6 / 7.2 / 10.0 | |
| Dehumidification Rate | | l/h | | 1.1 | 1.3 | 1.8 | 2.5 | 1.1 | 1.3 | |
| Running Current | Cooling | Rated | A | 3.3 | 4.7 | 6.9 | 9.8 | 3.3 | 4.7 | |
| | Max | A | | 6.0 | 6.0 | 9.0 | 14.0 | 6.0 | 9.0 | |
| | Heating | Rated | A | 4.0 | 4.7 | 7.1 | 10.4 | 4.0 | 4.7 | |
| | Max | A | | 7.0 | 7.0 | 9.5 | 14.0 | 7.0 | 9.5 | |
| Starting Current | Cooling / Heating | Rated | A | 3.3 / 4.0 | 4.7 / 4.7 | 6.9 / 7.1 | 9.8 / 10.4 | 3.3 / 4.0 | 4.7 / 4.7 | |
| 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 | |
| Circuit Breaker | | A | | 15 | 15 | 20 | 25 | 15 | 20 | |
| Power Supply Cable | | N x mm² | | 3 x 1.0 | 3 x 1.0 | 3 x 1.5 | 3 x 2.5 | 3 x 1.0 | 3 x 1.5 | |
| Power & Transmission Cable | | N x mm² | | 4 x 1.0 (Including Earth) | |
| Dimension | | mm | | 837 x 308 x 192 | 837 x 308 x 192 | 998 x 345 x 212 | 998 x 345 x 212 | 837 x 308 x 192 | 998 x 345 x 212 | |
| Net Weight | | kg | | 9.9 | 9.9 | 12.8 | 13.5 | 9.9 | 12.8 | |
| Fan Motor Output | | W | | 30 | 30 | 30 | 60 | 30 | 30 | |
| OUTDOOR | | AC09BQ UA3 | AC12BQ UA3 | AC18BQ UL2 | AC24BQ U24 | OUTDOOR | | AC09BQ UA3 | AC12BQ UA3 | AC18BQ UL2 |
| Operation Range | Cooling | Min / Max | °CDB | -10 / 48 | -10 / 48 | -15 / 48 | -15 / 48 | -10 / 48 | -10 / 48 | -15 / 48 |
| | Heating | Min / Max | °CDB | -10 / 24 | -10 / 24 | -10 / 24 | -10 / 24 | -10 / 24 | -10 / 24 | -10 / 24 |
| Sound Pressure | Cooling | High | dB(A) | 48 | 48 | 53 | 54 | 48 | 48 | 53 |
| | Heating | High | dB(A) | 50 | 50 | 55 | 57 | 50 | 50 | 55 |
| Sound Power | Cooling | High | dB(A) | 65 | 65 | 65 | 70 | 65 | 65 | 65 |
| Air Flow Rate | | Length (Odu / Idu) | Min / Max | 27 | 27 | 35 | 50 | 27 | 27 | 35 |
| Piping | | m | | 3 / 15 | 3 / 15 | 3 / 20 | 3 / 30 | 3 / 15 | 3 / 15 | 3 / 20 |
| | Elevation(Odu / Idu) | Max | m | 7 | 7 | 10 | 15 | 7 | 7 | 10 |
| Piping Connection | Liquid | OD (Outside) | mm (inch) | 6.35 (1/4) | 6.35 (1/4) | 6.35 (1/4) | 6.35 (1/4) | 6.35 (1/4) | 6.35 (1/4) | 6.35 (1/4) |
| | Gas | OD (Outside) | mm (inch) | 9.52 (3/8) | 9.52 (3/8) | 12.7 (1/2) | 15.88 (5/8) | 9.52 (3/8) | 12.7 (1/2) | 21.5 (0.85) |
| Drain Hose Size | | OD (Outside) | mm (inch) | 21.5 (0.85) | 21.5 (0.85) | 21.5 (0.85) | 21.5 (0.85) | 21.5 (0.85) | 21.5 (0.85) | 21.5 (0.85) |
| | Type | | | R32 | R32 | R32 | R32 | R32 | R32 | R32 |
| Refrigerant | Charge at 7.5m | kg | t-CO ₂ eq | 0.700 | 0.700 | 1.000 | 1.100 | 0.700 | 0.700 | 1.000 |
| | Additional charge | g/m | | 0.473 | 0.473 | 0.675 | 0.743 | 0.473 | 0.473 | 0.675 |
| | GWP | | | 675 | 675 | 675 | 675 | 675 | 675 | 675 |
| Fan Motor Output | | W | | 43 | 43 | 43 | 85 | 43 | 43 | 43 |
| Compressor Type | | | | Twin Rotary | Twin Rotary |
| Net Weight | | kg | | 26.0 | 26.0 | 35.2 | 46.4 | 26.0 | 26.0 | 35.2 |
| Dimension | | mm | | 717 x 495 x 230 | 717 x 495 x 230 | 770 x 545 x 288 | 870 x 650 x 330 | 717 x 495 x 230 | 717 x 495 x 230 | 770 x 545 x 288 |

※ This product contains Fluorinated greenhouse gases (R32).

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

※ GWP : Global warming potential

※ t-CO₂ eq : F-gas(kg)*GWP/1000

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

ARTCOOL SILVER



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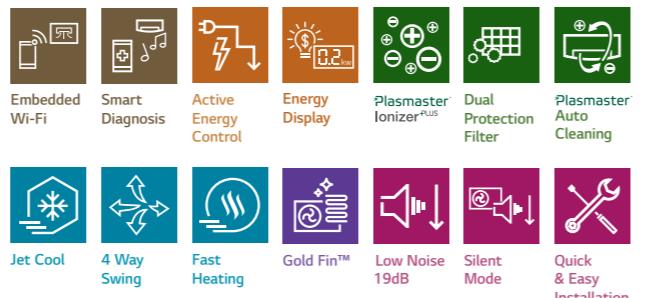


• Single Combination

| | UNIT | 9K | | 12K | | 18K | | | |
|----------|---------|-------------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | | INDOOR | | AC09SQ NSJ | AC12SQ NSJ | AC18SQ NSK | AC09BQ UA3 | AC12BQ UA3 | AC18BQ UL2 |
| Capacity | Cooling | Min / Rated / Max | W | 890 / 2,500 / 3,700 | 890 / 3,500 / 4,040 | 900 / 5,000 / 5,500 | 900 / 6,600 / 7,420 | 890 / 2,500 / 3,700 | 890 / 3,500 / 4,040 |
| | Heating | Min / Rated / Max | W | 890 / 3,300 / 4,100 | 890 / 4,000 / 5,100 | 900 / 5,800 / 6, | | | |

PRESTIGE**NEW**

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**• Single Combination**

| | UNIT | | 9K | 12K |
|-------------------------------|--------------------------------|---------------------|---------------------------|---------------------------|
| | INDOOR | OUTDOOR | | |
| Capacity | Cooling | Min / Rated / Max W | 300 / 2,500 / 4,000 | |
| | Heating | Min / Rated / Max W | 300 / 3,200 / 6,900 | |
| | Heating -7°C | Rated W | 4,300 | 4,700 |
| Power Input | Cooling | Rated W | 490 | 833 |
| | Heating | Rated W | 593 | 785 |
| EER | | W / W | 5.1 | 4.2 |
| S.E.E.R. | | | 9.4 | 9.1 |
| P design C | | kW | 2.5 | 3.5 |
| COP | | W / W | 5.4 | 5.1 |
| S.C.O.P. (Average / Warmer) | | | 5.1 / - | 5.1 / - |
| P design H (Average / Warmer) | | kW | 3.7 / - | 3.8 / - |
| Energy Label | Cooling | | A+++ | A+++ |
| (A+++ to D Scale) | Heating (Average / Warmer) | | A+++ / - | A+++ / - |
| Annual Energy | Cooling | kWh | 93 | 135 |
| Consumption | Heating (Average / Warmer) | kWh | 1,016 / - | 1,043 / - |
| Sound Pressure | Cooling | S / L / M / H dB(A) | 19 / 27 / 35 / 40 | 19 / 27 / 35 / 40 |
| | Heating | L / M / H dB(A) | 27 / 35 / 40 | 27 / 35 / 40 |
| Sound Power | Cooling | Power dB(A) | 60 | 60 |
| | Heating | S / L / M / H dB(A) | 6.6 / 8.7 / 11.1 / 12.4 | 6.6 / 8.7 / 11.1 / 12.4 |
| Air Flow Rate | Cooling | m³/min | 15.5 | 15.5 |
| | Max (Power) | m³/min | 8.7 / 11.1 / 14.3 | 8.7 / 11.1 / 14.3 |
| | Heating | L / M / H m³/min | 1.7 | 1.7 |
| Dehumidification Rate | | l/h | | |
| Running Current | Cooling | Rated A | 3.8 | 6.1 |
| | Max | A | 8.1 | 8.1 |
| | Heating | Rated A | 4.6 | 5.8 |
| | Max | A | 8.8 | 8.8 |
| Starting Current | Cooling / Heating | Rated A | 3.8 / 4.6 | 6.1 / 5.8 |
| Power Supply | | Ø V, Hz | 1, 220-240, 50 | 1, 220-240, 50 |
| Circuit Breaker | | A | 15 | 15 |
| Power Supply Cable | | N x mm² | 3 x 1.0 | 3 x 1.0 |
| Power & Transmission Cable | | N x mm² | 4 x 1.0 (Including Earth) | 4 x 1.0 (Including Earth) |
| Dimension | | mm | 875 x 295 x 235 | 875 x 295 x 235 |
| Net Weight | | kg | 11.0 | 11.0 |
| Fan Motor Output | | W | 30 | 30 |
| OUTDOOR | | F09MT U24 | F12MT U24 | |
| Operation Range | Cooling | Min / Max °CDB | -10 / 48 | -10 / 48 |
| | Heating | Min / Max °CDB | -25 / 24 | -25 / 24 |
| Sound Pressure | Cooling | High dB(A) | 48 | 48 |
| | Heating | High dB(A) | 50 | 50 |
| Sound Power | Cooling | High dB(A) | 65 | 65 |
| Air Flow Rate | High m³/min | 49 | 49 | |
| Piping | Length (Odu / Idu) Min / Max m | 3 / 20 | 3 / 20 | |
| | Elevation (Odu / Idu) Max m | 10 | 10 | |
| Piping Connection | Liquid OD (Outside) mm (inch) | 6.35 (1/4) | 6.35 (1/4) | |
| | Gas OD (Outside) mm (inch) | 9.52 (3/8) | 9.52 (3/8) | |
| Drain Hose Size | OD (Outside) mm (inch) | 21.5 (27/32) | 21.5 (27/32) | |
| Type | | R32 | R32 | |
| Refrigerant | Charge at 7.5m kg | 1.000 | 1.000 | |
| | t-CO ₂ eq g/m | 0.675 | 0.675 | |
| | Additional charge g/m | 20 | 20 | |
| | GWP | 675 | 675 | |
| Fan Motor Output | | W | 85 | 85 |
| Compressor Type | | | Twin Rotary | Twin Rotary |
| Net Weight | | kg | 43 | 43 |
| Dimension | | mm | 870 x 650 x 330 | 870 x 650 x 330 |

※ This product contains Fluorinated greenhouse gases (R32).

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

※ GWP : Global warming potential

※ t-CO₂eq : F-gas(kg)*GWP/1000

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

DUALCOOL WITH AIR PURIFICATION**NEW**

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**• Single Combination**

| | UNIT | | 9K | 12K |
|-------------------------------|--------------------------------|----------------------|------------------------|------------------------|
| | INDOOR | OUTDOOR | | |
| Capacity | Cooling | Min / Rated / Max W | 890 / 2,500 / 3,700 | 890 / 3,500 / 4,000 |
| | Heating | Min / Rated / Max W | 890 / 3,300 / 4,100 | 890 / 4,000 / 4,700 |
| | Heating -7°C | Rated W | 2,600 | 3,000 |
| Power Input | Cooling | Rated W | 710 | 1,160 |
| | Heating | Rated W | 850 | 1,130 |
| EER | | W/W | 3.52 | 3.02 |
| S.E.E.R. | | | 6.6 | 6.2 |
| P design C | | kW | 2.5 | 3.5 |
| COP | | W/W | 3.88 | 3.54 |
| S.C.O.P. (Average / Warmer) | | | 4.0 / 5.0 | 4.0 / 5.0 |
| P design H (Average / Warmer) | | kW | 2.5 / 1.4 | 2.5 / 1.4 |
| Energy Label | Cooling | | A++ | A++ |
| (A+++ to D Scale) | Heating (Average / Warmer) | | A+ / A++ | A+ / A++ |
| Annual Energy | Cooling | kWh | 133 | 198 |
| Consumption | Heating (Average / Warmer) | kWh | 875 / 393 | 875 / 393 |
| Sound Pressure | Cooling | S / L / M / H dB(A) | 21 / 27 / 35 / 42 | 21 / 27 / 35 / 42 |
| | Heating | L / M / H dB(A) | 30 / 35 / 41 | 30 / 35 / 41 |
| Sound Power | Cooling | Power dB(A) | 59 | 59 |
| | Heating | S / L / M / H m³/min | 3.0 / 4.2 / 6.6 / 10.0 | 3.0 / 4.2 / 6.6 / 10.0 |
| Air Flow Rate | Cooling | m³/min | 11.0 | 11.0 |
| | Max (Power) | m³/min | 4.2 / 6.6 / 10.0 | 4.2 / 6.6 / 10.0 |
| | Heating | L / M / H m³/min | 1.1 | 1.3 |
| Dehumidification Rate | | l/h | | |
| Running Current | Cooling | Rated A | 3.5 | 5.2 |
| | Max | A | 6.0 | 6.2 |
| | Heating | Rated A | 4.0 | 5.1 |
| | Max | A | 7.0 | 7.0 |
| Starting Current | Cooling / Heating | Rated A | 3.5 / 4.0 | 5.2 / 5.1 |
| Power Supply | | Ø V, Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Circuit Breaker | | A | 15 | 15 |
| Power Supply Cable | | N x mm² | 3 x 1.0 | 3 x 1.0 |
| Power & Transmission Cable | | N x mm² | 4 x 1.0 | 4 x 1.0 |
| Dimension | | mm | 857 x 348 x 189 | 857 x 348 x 189 |
| Net Weight | | kg | 9.5 | 9.5 |
| Fan Motor Output | | W | 30 | 30 |
| OUTDOOR | | AP09RT UA3 | AP12RT UA3 | |
| Operation Range | Cooling | Min / Max °CDB | -10 / 48 | -10 / 48 |
| | Heating | Min / Max °CDB | -10 / 24 | -10 / 24 |
| Sound Pressure | Cooling | High dB(A) | 48 | 48 |
| | Heating | High dB(A) | 50 | 50 |
| Sound Power | Cooling | High dB(A) | 65 | 65 |
| Air Flow Rate | High m³/min | 27 | 27 | |
| Piping | Length (Odu / Idu) Min / Max m | 3 / 15 | 3 / 15 | |
| | Elevation (Odu / Idu) Max m | 7 | 7 | |
| Piping Connection | Liquid OD (Outside) mm (inch) | 6.35 (1/4) | 6.35 (1/4) | |
| | Gas OD (Outside) mm (inch) | 9.52 (3/8) | 9.52 (3/8) | |
| Drain Hose Size | OD (Outside) mm (inch) | 21.5 (27/32) | 21.5 (0.85) | |
| Type | | R32 | R32 | |
| Refrigerant | Charge at 7.5m kg | 0.700 | 0.700 | |
| | t-CO ₂ eq g/m | 0.473 | 0.473 | |
| | Additional charge g/m | 20 | 20 | |
| | GWP | 675 | 675 | |
| Fan Motor Output | | W | 43 | 43 |
| Compressor Type | | | Twin Rotary | Twin Rotary |
| Net Weight | | kg | 26 | 26 |
| Dimension | | mm | 717 x 495 x 230 | 717 x 495 x 230 |

※ This product contains Fluorinated greenhouse gases (R32).

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

※ GWP : Global warming potential

※ t-CO₂eq : F-gas(kg)*GWP/1000

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

DELUXE



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• Single Combination

| | UNIT | 9K | | 12K | | 18K | | 24K | |
|-------------------------------|----------------------------|-----------------------|-----------------|------------------------|------------------------|----------------------|----------------------|-----|--|
| | | INDOOR | | DC09RQ NSJ | DC12RQ NSJ | DC18RQ NSK | DC24RQ NSK | | |
| Capacity | Cooling | Min / Rated / Max | W | 890 / 2,500 / 3,700 | 890 / 3,500 / 4,040 | 900 / 5,000 / 5,500 | 900 / 6,600 / 7,420 | | |
| | Heating | Min / Rated / Max | W | 890 / 3,200 / 5,000 | 890 / 4,000 / 6,000 | 900 / 5,800 / 6,400 | 900 / 7,500 / 8,640 | | |
| Power Input | Heating -7°C | Rated | W | 3,200 | 3,500 | 4,200 | 6,000 | | |
| | Cooling | Rated | W | 572 | 933 | 1,562 | 2,164 | | |
| EER | Heating | Rated | W/W | 711 | 976 | 1,611 | 2,238 | | |
| S.E.E.R. | | | W/W | 4.37 | 3.75 | 3.20 | 3.05 | | |
| P design C | | | kW | 7.9 | 7.6 | 7.0 | 6.9 | | |
| COP | | | W/W | 2.5 | 3.5 | 5.0 | 6.6 | | |
| S.C.O.P. (Average / Warmer) | | | | 4.6 / 5.4 | 4.6 / 5.4 | 4.3 / 5.3 | 4.3 / 5.3 | | |
| P design H (Average / Warmer) | | | kW | 28 / 1.5 | 29 / 1.5 | 39 / 2.1 | 50 / 2.7 | | |
| Energy Label | Cooling | | | A++ | A++ | A++ | A++ | | |
| (A+++ to D Scale) | Heating (Average / Warmer) | | | A++ / A+++ | A++ / A+++ | A+ / A+++ | A+ / A+++ | | |
| Annual Energy | Cooling | | kWh | 111 | 161 | 250 | 335 | | |
| Consumption | Heating (Average / Warmer) | | kWh | 852 / 389 | 883 / 389 | 1,270 / 555 | 1,628 / 713 | | |
| Sound Pressure | Cooling | S / L / M / H | dB(A) | 19 / 27 / 37 / 42 | 19 / 27 / 37 / 42 | 31 / 34 / 39 / 44 | 31 / 34 / 42 / 47 | | |
| | Heating | L / M / H | dB(A) | 27 / 37 / 42 | 27 / 37 / 42 | 34 / 39 / 44 | 34 / 42 / 47 | | |
| Sound Power | Cooling | Power | dB(A) | 60 | 60 | 60 | 65 | | |
| Air Flow Rate | Cooling | S / L / M / H | m³/min | 3.5 / 5.5 / 9.0 / 11.0 | 3.5 / 5.5 / 9.0 / 11.0 | 80 / 105 / 130 / 145 | 80 / 105 / 131 / 161 | | |
| | Max (Power) | m³/min | | 130 | 130 | 155 | 200 | | |
| | Heating | L / M / H | m³/min | 6.5 / 9.0 / 11.0 | 6.5 / 9.0 / 11.0 | 11.0 / 13.5 / 16.0 | 10.5 / 13.1 / 16.1 | | |
| Dehumidification Rate | | I/h | | 1.1 | 1.3 | 1.8 | 2.5 | | |
| Running Current | Cooling | Rated | A | 2.5 | 4.0 | 6.9 | 9.8 | | |
| | Max | A | | 6.0 | 6.0 | 9.0 | 14.0 | | |
| | Heating | Rated | A | 3.2 | 4.3 | 7.1 | 10.4 | | |
| | Max | A | | 7.0 | 7.0 | 9.5 | 14.0 | | |
| Starting Current | Cooling / Heating | Rated | A | 2.5 / 3.2 | 4.0 / 4.3 | 6.9 / 7.1 | 9.8 / 10.4 | | |
| Power Supply | | Ø, V, Hz | | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | | |
| Circuit Breaker | | A | | 15 | 15 | 20 | 25 | | |
| Power Supply Cable | | N x mm² | | 3 x 1.0 | 3 x 1.0 | 3 x 1.5 | 3 x 2.5 | | |
| Power & Transmission Cable | | N x mm² | | 4 x 1.0 | 4 x 1.0 | 4 x 1.0 | 4 x 1.0 | | |
| Dimension | | | | (Including Earth) | (Including Earth) | (Including Earth) | (Including Earth) | | |
| Net Weight | | mm | | 837 x 308 x 189 | 837 x 308 x 189 | 998 x 345 x 210 | 998 x 345 x 210 | | |
| Fan Motor Output | | kg | | 9.1 | 9.1 | 11.9 | 12.7 | | |
| | | W | | 30 | 30 | 30 | 60 | | |
| OUTDOOR | | DC09RQ UL2 | DC12RQ UL2 | DC18RQ UL2 | DC24RQ U24 | | | | |
| Operation Range | Cooling | Min / Max | °CDB | -15 / 48 | -15 / 48 | -15 / 48 | -15 / 48 | | |
| | Heating | Min / Max | °CDB | -15 / 24 | -15 / 24 | -10 / 24 | -10 / 24 | | |
| Sound Pressure | Cooling | High | dB(A) | 49 | 49 | 53 | 54 | | |
| | Heating | High | dB(A) | 51 | 51 | 55 | 57 | | |
| Sound Power | Cooling | High | dB(A) | 65 | 65 | 65 | 70 | | |
| Air Flow Rate | Cooling | High | m³/min | 35 | 35 | 35 | 50 | | |
| Piping | Length (Odu/ldu) | Min / Max | m | 3 / 20 | 3 / 20 | 3 / 20 | 3 / 30 | | |
| | Elevation(Odu/ldu) | Max | m | 10 | 10 | 10 | 15 | | |
| Piping Connection | Liquid | OD (Outside) | mm (inch) | 6.35 (1/4) | 6.35 (1/4) | 6.35 (1/4) | 6.35 (1/4) | | |
| | Gas | OD (Outside) | mm (inch) | 9.52 (3/8) | 9.52 (3/8) | 12.7 (1/2) | 15.88 (5/8) | | |
| Drain Hose Size | OD (Outside) | mm (inch) | | 21.5 (0.85) | 21.5 (0.85) | 21.5 (0.85) | 21.5 (0.85) | | |
| | Type | | | R32 | R32 | R32 | R32 | | |
| Refrigerant | Charge at 7.5m | kg | 0.800 | 0.800 | 1.000 | 1.100 | | | |
| | Additional charge | t-CO ₂ ,eq | 0.540 | 0.540 | 0.675 | 0.743 | | | |
| GWP | | g/m | 20 | 20 | 20 | 20 | | | |
| Fan Motor Output | | W | 675 | 675 | 675 | 85 | | | |
| Compressor Type | | Twin Rotary | | Twin Rotary | Twin Rotary | Twin Rotary | | | |
| Net Weight | | kg | 34.1 | 34.1 | 34.4 | 46.0 | | | |
| Dimension | | mm | 770 x 545 x 288 | 770 x 545 x 288 | 770 x 545 x 288 | 870 x 650 x 330 | | | |

※ This product contains Fluorinated greenhouse gases (R32).

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

※ GWP : Global warming potential

※ t-CO₂,eq : F-gas(kg)*GWP/1000

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

DELUXE 2



NEW



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 | | DC09RT NSJ | DC12RT NSJ |
| Capacity | Cooling | Min / Rated / Max | W | 890 / 2,500 / 3,700 | 890 / 3,500 / 4,040 |
| | Heating | Min / Rated / Max | W | 890 / 3,300 / 4,100 | 890 / 4,000 / 5,100 |
| Power Input | Heating -7°C | Rated | W | 2,600 | 3,000 |
| | Cooling | Rated | W | 656 | 1,080 |
| EER | Heating | Rated | W / W | 800 | 1,050 |
| S.E.E.R. | | | | 3.81 | 3.24 |
| P design C | | | kW | 7.0 | 6.6 |
| COP | | | W / W | 2.5 | 3.5 |
| S.C.O.P. (Average / Warmer) | | | | 4.13 | 3.81 |
| P design H (Average / Warmer) | | | kW | 2.5 / 1.3 | 2.5 / 1.3 |
| Energy Label | Cooling | | | A++ | A++ |
| (A+++ to D Scale) | Heating (Average / Warmer) | | | A++ / A+++ | A+ / A++ |
| Annual Energy | Cooling | | kWh | 125 | 186 |
| Consumption | Heating (Average / Warmer) | | kWh | 875 / 371 | 875 / 371 |
| Sound Pressure | Cooling | S / L / M / H | dB(A) | 19 / 27 / 35 / 41 | 19 / 27 / 35 / 41 |
| | Heating | L / M / H | dB(A) | 27 / 35 / 41 | 27 / 35 / 41 |
| Sound Power | Cooling | Power | dB(A) | 59 | 59 |
| Air Flow Rate | Cooling | S / L / M / H | m³/min | 3.0 / 4.2 / 7.5 / 10.0 | 3.0 / 4.2 / 7.5 / 10.0 |
| | Max (Power) | m³/min | | 12.5 | 12.5 |
| | Heating | L / M / H | m³/min | 5.6 / 7.2 / 10.0 | 5.6 / 7.2 / 10.0 |
| Dehumidification Rate | | I/h | | 1.1 | 1.3 |
| Running Current | Cooling | Rated | A | 3.3 | 4.7 |
| | Max | A | | 6.0</td | |

STANDARD PLUS



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 | | PC09SQ NSJ | PC12SQ NSJ | PC18SQ NSK | PC24SQ NSK | | |
| Capacity | Cooling | Min / Rated / Max | W | 890 / 2,500 / 3700 | 890 / 3,500 / 4,040 | 900 / 5,000 / 5,500 | 900 / 6,600 / 7,420 | | |
| | Heating | Min / Rated / Max | W | 890 / 3,300 / 4,100 | 890 / 4,000 / 5,100 | 900 / 5,800 / 6,400 | 900 / 7,500 / 8,640 | | |
| Power Input | Heating -7°C | Rated | W | 2,600 | 3,000 | 4,200 | 6,000 | | |
| | Cooling | Rated | W | 656 | 1,080 | 1,562 | 2,164 | | |
| EER | Heating | Rated | W / W | 800 | 1,050 | 1,611 | 2,238 | | |
| S.E.E.R. | | | W / W | 3.81 | 3.24 | 3.20 | 3.05 | | |
| P design C | | | kW | 2.5 | 3.5 | 5.0 | 6.6 | | |
| COP | | | W / W | 4.13 | 3.81 | 3.60 | 3.35 | | |
| S.C.O.P. (Average / Warmer) | | | | 4.0 / 4.9 | 4.0 / 4.9 | 4.3 / 5.3 | 4.3 / 5.3 | | |
| P design H (Average / Warmer) | | | kW | 2.5 / 1.3 | 2.5 / 1.3 | 3.9 / 2.1 | 5.0 / 2.7 | | |
| Energy Label | Cooling | | | A++ | A++ | A++ | A++ | | |
| (A+++ to D Scale) | Heating (Average / Warmer) | | | A+ / A++ | A+ / A++ | A+ / A+++ | A+ / A+++ | | |
| Annual Energy | Cooling | | kWh | 125 | 186 | 250 | 335 | | |
| Consumption | Heating (Average / Warmer) | | kWh | 875 / 371 | 875 / 371 | 1,270 / 555 | 1,628 / 713 | | |
| Sound Pressure | Cooling | S / L / M / H | dB(A) | 19 / 27 / 35 / 41 | 19 / 27 / 35 / 41 | 31 / 34 / 39 / 44 | 31 / 34 / 42 / 47 | | |
| | Heating | L / M / H | dB(A) | 27 / 35 / 41 | 27 / 35 / 41 | 34 / 39 / 44 | 34 / 42 / 47 | | |
| Sound Power | Cooling | Power | dB(A) | 59 | 59 | 60 | 65 | | |
| Air Flow Rate | Cooling | S / L / M / H | m³ / min | 3.0 / 4.2 / 7.5 / 10.0 | 3.0 / 4.2 / 7.5 / 10.0 | 8.0 / 10.5 / 13.0 / 14.5 | 8.0 / 10.5 / 13.1 / 16.1 | | |
| | Max (Power) | m³ / min | | 12.5 | 12.5 | 15.5 | 20.0 | | |
| | Heating | L / M / H | m³ / min | 5.6 / 7.2 / 10.0 | 5.6 / 7.2 / 10.0 | 11.0 / 13.5 / 16.0 | 10.5 / 13.1 / 16.1 | | |
| Dehumidification Rate | | | l/h | 1.1 | 1.3 | 1.8 | 2.5 | | |
| Running Current | Cooling | Rated | A | 3.3 | 4.7 | 6.9 | 9.8 | | |
| | Max | A | | 6.0 | 6.0 | 9.0 | 14.0 | | |
| | Heating | Rated | A | 4.0 | 4.7 | 7.1 | 10.4 | | |
| | Max | A | | 7.0 | 7.0 | 9.5 | 14.0 | | |
| Starting Current | Cooling / Heating | Rated | A | 3.3 / 4.0 | 4.7 / 4.7 | 6.9 / 7.1 | 9.8 / 10.4 | | |
| Power Supply | | | Ø, V, Hz | 1,220-240, 50 | 1,220-240, 50 | 1,220-240, 50 | 1,220-240, 50 | | |
| Circuit Breaker | | | A | 15 | 15 | 20 | 25 | | |
| Power Supply Cable | | N x mm² | | 3 x 1.0 | 3 x 1.0 | 3 x 1.5 | 3 x 2.5 | | |
| Power & Transmission Cable | | N x mm² | | 4 x 1.0 (Including Earth) | | |
| Dimension | | mm | | 837 x 308 x 189 | 837 x 308 x 189 | 998 x 345 x 210 | 998 x 345 x 210 | | |
| Net Weight | | kg | | 8.7 | 8.7 | 11.9 | 12.7 | | |
| Fan Motor Output | | W | | 30 | 30 | 30 | 60 | | |
| OUTDOOR | | PC09SQ UA3 | PC12SQ UA3 | PC18SQ UL2 | PC24SQ U24 | | | | |
| Operation Range | Cooling | Min / Max | °CDB | -10 / 48 | -10 / 48 | -15 / 48 | -15 / 48 | | |
| | Heating | Min / Max | °CDB | -10 / 24 | -10 / 24 | -10 / 24 | -10 / 24 | | |
| Sound Pressure | Cooling | High | dB(A) | 48 | 48 | 53 | 54 | | |
| | Heating | High | dB(A) | 50 | 50 | 55 | 57 | | |
| Sound Power | Cooling | High | dB(A) | 65 | 65 | 70 | 70 | | |
| Air Flow Rate | High | m³ / min | | 27 | 27 | 35 | 50 | | |
| Piping | Length (Odu / Idu) | Min / Max | m | 3 / 15 | 3 / 15 | 3 / 20 | 3 / 30 | | |
| | Elevation (Odu / Idu) | Max | m | 7 | 7 | 10 | 15 | | |
| Piping Connection | Liquid | OD (Outside) | mm (inch) | 6.35 (1/4) | 6.35 (1/4) | 6.35 (1/4) | 6.35 (1/4) | | |
| | Gas | OD (Outside) | mm (inch) | 9.52 (3/8) | 9.52 (3/8) | 12.7 (1/2) | 15.88 (5/8) | | |
| Drain Hose Size | OD (Outside) | mm (inch) | | 21.5 (0.85) | 21.5 (0.85) | 21.5 (0.85) | 21.5 (0.85) | | |
| Type | | R32 | | R32 | R32 | R32 | R32 | | |
| Refrigerant | Charge at 7.5m | kg | | 0.700 | 0.700 | 1.000 | 1.100 | | |
| | t-CO ₂ eq | kg | | 0.473 | 0.473 | 0.675 | 0.743 | | |
| | Additional charge | g/m | | 20 | 20 | 20 | 20 | | |
| | GWP | | | 675 | 675 | 675 | 675 | | |
| Fan Motor Output | | W | | 43 | 43 | 43 | 85 | | |
| Compressor Type | | | Twin Rotary | Twin Rotary | Twin Rotary | Twin Rotary | Twin Rotary | | |
| Net Weight | | kg | | 25.1 | 25.1 | 34.4 | 46.0 | | |
| Dimension | | mm | | 717 x 495 x 230 | 717 x 495 x 230 | 770 x 545 x 288 | 870 x 650 x 330 | | |

※ This product contains Fluorinated greenhouse gases (R32).

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

※ GWP : Global warming potential

※ t-CO₂ eq : F-gas(kg)*GWP/1000

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

STANDARD 2

NEW



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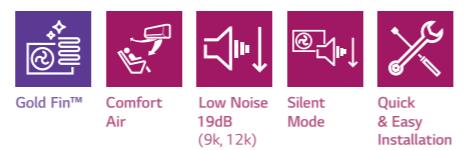
• Single Combination

| | UNIT | 9K | | 12K | | 18K | | 24K | |
|-------------------------------|----------------------------|-------------------|-------|---------------------|---------------------|---------------------|---------------------|-----|--|
| | | INDOOR | | SO9ET NSJ | S12ET NSJ | S18ET NSK | S24ET NSK | | |
| Capacity | Cooling | Min / Rated / Max | W | 890 / 2,500 / 3,700 | 890 / 3,500 / 4,040 | 900 / 5,000 / 5,500 | 900 / 6,600 / 7,420 | | |
| | Heating | Min / Rated / Max | W | 890 / 3,300 / 4,100 | 890 / 4,000 / 5,100 | 900 / 5,800 / 6,400 | 900 / 7,500 / 8,640 | | |
| Power Input | Heating -7°C | Rated | W | 2,600 | 3,000 | 4,200 | 6,000 | | |
| | Cooling | Rated | W | 656 | 1,080 | 1,562 | 2,164 | | |
| EER | Heating | Rated | W / W | 800 | 1,050 | 1,611 | 2,238 | | |
| S.E.E.R. | | | W / W | 3.81 | 3.24 | 3.20 | 3.05 | | |
| P design C | | | kW | 2.5 | 3.5 | 5.0 | 6.6 | | |
| COP | | | W / W | 4.13 | 3.81 | 3.60 | 3.35 | | |
| S.C.O.P. (Average / Warmer) | | | | 4.0 / 4.9 | 4.0 / 4.9 | 4.3 / 5.3 | 4.3 / 5.3 | | |
| P design H (Average / Warmer) | | | kW | 2.5 / 1.3 | 2.5 / 1.3 | 3.9 / 2.1 | 5.0 / 2.7 | | |
| Energy Label | Cooling | | | A++ | A++ | A++ | A++ | | |
| (A+++ to D Scale) | Heating (Average / Warmer) | | | A+ / A++ | A+ / A++ | A+ / A+++ | A+ / A+++ | | |
| Annual Energy | Cooling | | kWh | 125 | 186 | 250 | 335 | | |
| Consumption | Heating (Average / Warmer) | | | | | | | | |

STANDARD



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 | | S09EQ NSJ | S12EQ NSJ | S18EQ NSK | S24EQ NSK | | |
| Capacity | Cooling | Min / Rated / Max | W | 890 / 2,500 / 3,700 | 890 / 3,500 / 4,040 | 900 / 5,000 / 5,500 | 900 / 6,600 / 7,420 | | |
| | Heating | Min / Rated / Max | W | 890 / 3,300 / 4,100 | 890 / 4,000 / 5,100 | 900 / 5,800 / 6,400 | 900 / 7,500 / 8,640 | | |
| Power Input | Heating -7°C | Rated | W | 2600 | 3,000 | 4,200 | 6,000 | | |
| | Cooling | Rated | W | 656 | 1,080 | 1,562 | 2,164 | | |
| | Heating | Rated | W | 800 | 1,050 | 1,611 | 2,238 | | |
| EER | | W / W | | 3.81 | 3.24 | 3.20 | 3.05 | | |
| S.E.E.R. | | | | 7.0 | 6.6 | 7.0 | 6.9 | | |
| P design C | | kW | | 2.5 | 3.5 | 5.0 | 6.6 | | |
| COP | | W / W | | 4.13 | 3.81 | 3.60 | 3.35 | | |
| S.C.O.P. (Average / Warmer) | | | | 4.0 / 4.9 | 4.0 / 4.9 | 4.3 / 5.3 | 4.3 / 5.3 | | |
| P design H (Average / Warmer) | | kW | | 25 / 1.3 | 25 / 1.3 | 39 / 2.1 | 50 / 2.7 | | |
| Energy Label | Cooling | | | A++ | A++ | A++ | A++ | | |
| (A+++ to D Scale) | Heating (Average / Warmer) | | | A+ / A++ | A+ / A++ | A+ / A+++ | A+ / A+++ | | |
| Annual Energy Consumption | Cooling | kWh | | 125 | 186 | 250 | 335 | | |
| Sound Pressure | Heating (Average / Warmer) | kWh | | 875 / 371 | 875 / 371 | 1,270 / 555 | 1,628 / 713 | | |
| Cooling | S / L / M / H | dB(A) | | 19 / 27 / 35 / 41 | 19 / 27 / 35 / 41 | 31 / 34 / 39 / 44 | 31 / 34 / 42 / 47 | | |
| Heating | L / M / H | dB(A) | | 27 / 35 / 41 | 27 / 35 / 41 | 34 / 39 / 44 | 34 / 42 / 47 | | |
| Sound Power | Cooling | Power | dB(A) | 59 | 59 | 60 | 65 | | |
| Air Flow Rate | Cooling | S / L / M / H | m³ / min | 3.0 / 4.2 / 7.5 / 10.0 | 3.0 / 4.2 / 7.5 / 10.0 | 80 / 105 / 130 / 145 | 80 / 105 / 131 / 161 | | |
| | Max (Power) | m³ / min | | 12.5 | 12.5 | 15.5 | 20.0 | | |
| | Heating | L / M / H | m³ / min | 5.6 / 7.2 / 10.0 | 5.6 / 7.2 / 10.0 | 11.0 / 13.5 / 16.0 | 10.5 / 13.1 / 16.1 | | |
| Dehumidification Rate | | I/h | | 1.1 | 1.3 | 1.8 | 2.5 | | |
| Running Current | Cooling | Rated | A | 3.3 | 4.7 | 6.9 | 9.8 | | |
| | Max | A | | 6.0 | 6.0 | 9.0 | 14.0 | | |
| | Heating | Rated | A | 4.0 | 4.7 | 7.1 | 10.4 | | |
| | Max | A | | 7.0 | 7.0 | 9.5 | 14.0 | | |
| Starting Current | Cooling / Heating | Rated | A | 3.3 / 4.0 | 4.7 / 4.7 | 6.9 / 7.1 | 9.8 / 10.4 | | |
| Power Supply | | Ø, V, Hz | | 1,220-240, 50 | 1,220-240, 50 | 1,220-240, 50 | 1,220-240, 50 | | |
| Circuit Breaker | | A | | 15 | 15 | 20 | 25 | | |
| Power Supply Cable | | N x mm² | | 3 x 1.0 | 3 x 1.0 | 3 x 1.5 | 3 x 2.5 | | |
| Power & Transmission Cable | | N x mm² | | 4 x 1.0 (Including Earth) | | |
| Dimension | | mm | | 837 x 308 x 189 | 837 x 308 x 189 | 998 x 345 x 210 | 998 x 345 x 210 | | |
| Net Weight | | kg | | 8.7 | 8.7 | 11.9 | 12.7 | | |
| Fan Motor Output | | W | | 30 | 30 | 30 | 60 | | |
| OUTDOOR | | S09EQ UA3 | S12EQ UA3 | S18EQ UL2 | S24EQ U24 | | | | |
| Operation Range | Cooling | Min / Max | °CDB | -10 / 48 | -10 / 48 | -15 / 48 | -15 / 48 | | |
| | Heating | Min / Max | °CDB | -10 / 24 | -10 / 24 | -10 / 24 | -10 / 24 | | |
| Sound Pressure | Cooling | High | dB(A) | 48 | 48 | 53 | 54 | | |
| | Heating | High | dB(A) | 50 | 50 | 55 | 57 | | |
| Sound Power | Cooling | High | dB(A) | 65 | 65 | 65 | 70 | | |
| Air Flow Rate | High | m³ / min | | 27 | 27 | 35 | 50 | | |
| Piping | Length (Odu / Idu) | Min / Max | m | 3 / 15 | 3 / 15 | 3 / 20 | 3 / 30 | | |
| | Elevation (Odu / Idu) | Max | m | 7 | 7 | 10 | 15 | | |
| Piping Connection | Liquid | OD (Outside) | mm (inch) | 6.35 (1/4) | 6.35 (1/4) | 6.35 (1/4) | 6.35 (1/4) | | |
| | Gas | OD (Outside) | mm (inch) | 9.52 (3/8) | 9.52 (3/8) | 12.7 (1/2) | 15.88 (5/8) | | |
| Drain Hose Size | | OD (Outside) | mm (inch) | 21.5 (0.85) | 21.5 (0.85) | 21.5 (0.85) | 21.5 (0.85) | | |
| Type | | R32 | | R32 | R32 | R32 | R32 | | |
| Refrigerant | Charge at 7.5m | kg | | 0.700 | 0.700 | 1.000 | 1.100 | | |
| | t-CO₂eq | kg | | 0.473 | 0.473 | 0.675 | 0.743 | | |
| | Additional charge | g/m | | 20 | 20 | 20 | 20 | | |
| | GWP | | | 675 | 675 | 675 | 675 | | |
| Fan Motor Output | | W | | 43 | 43 | 43 | 85 | | |
| Compressor Type | | Twin Rotary | | Twin Rotary | Twin Rotary | Twin Rotary | Twin Rotary | | |
| Net Weight | | kg | | 25.1 | 25.1 | 34.4 | 46.0 | | |
| Dimension | | mm | | 717 x 495 x 230 | 717 x 495 x 230 | 770 x 545 x 288 | 870 x 650 x 330 | | |

※ This product contains Fluorinated greenhouse gases (R32).

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

※ GWP : Global warming potential

※ t-CO₂eq : F-gas(kg)*GWP/1000

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

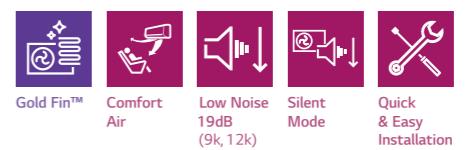
STANDARD 3



NEW



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



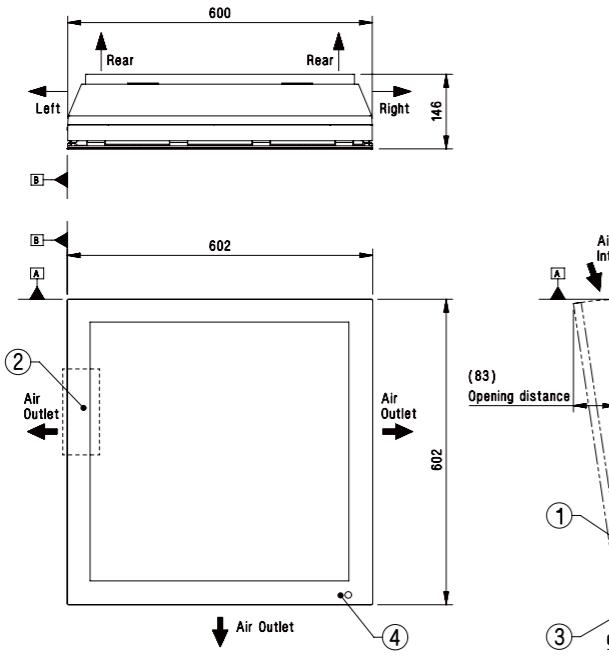
• Single Combination

| | UNIT | 9K | | 12K | | 18K | | 24K | |
|-------------------------------|----------------------------|-------------------|---|-------------------|---------------------|---------------------|--|-----|--|
| | | INDOOR | | S09ES NSA | S12ES NSJ | S12EW NSJ | | | |
| Capacity | Cooling | Min / Rated / Max | W | 890/2,500/3,400 | 890 / 3,500 / 4,040 | 890 / 3,500 / 4,040 | | | |
| | Heating | Min / Rated / Max | W | 890/3,200/3,700 | 890 / 4,000 / 5,100 | 890 / 4,000 / 5,100 | | | |
| Power Input | Heating -7°C | Rated | W | 2,700 | 3,600 | 3,600 | | | |
| | Cooling | Rated | W | 715 | 1,080 | 1,080 | | | |
| EER | | W / W | | 3.50 | 3.24 | 3.24 | | | |
| S.E.E.R. | | | | 6.5 | 6.6 | 6.6 | | | |
| P design C | | kW | | 2.5 | 3.5 | 3.5 | | | |
| COP | | W / W | | 3.72 | 3.81 | 3.81 | | | |
| S.C.O.P. (Average / Warmer) | | | | 3.8 / 4.2 | 4.0 / 4.9 | 4.0 / 4.9 | | | |
| P design H (Average / Warmer) | | kW | | 2.3 / 1.2 | 2.5 / 1.3 | 2.5 / 1.3 | | | |
| Energy Label | Cooling | | | A++ | A++ | A++ | | | |
| (A+++ to D Scale) | Heating (Average / Warmer) | | | A / A+ | A / A+ | A / A++ | | | |
| Annual Energy Consumption | Cooling | kWh | | 135 | 186 | 186 | | | |
| Sound Pressure | Heating (Average / Warmer) | kWh | | 847 / 400 | 875 / 386 | 875 / 371 | | | |
| Cooling | S / L / M / H | dB(A) | | 22 / 28 / 36 / 42 | 19 / 27 / 35 / | | | | |

WALL MOUNTED DIMENSIONS

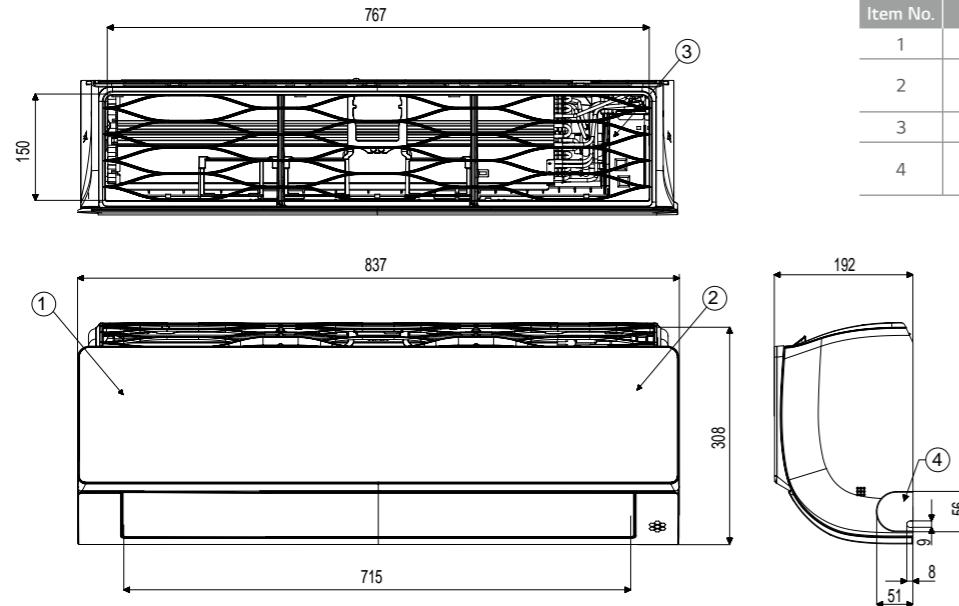
INDOOR UNITS

A09FT NSF / A12FT NSF



| (Unit : mm) | | |
|-------------|---|-----------------------|
| Item No. | Part Name | Remark |
| 1 | Refrigerant/Drain pipe and cable routing hole | Knock-out type |
| 2 | Terminal Block for Power Supply and Communication | Inside of front panel |
| 3 | Corner Cover | - |
| 4 | Remote Controller Signal Receiver | for wireless type |

AC09BQ NSJ / AC12BQ NSJ / AC09SQ NSJ / AC12SQ NSJ

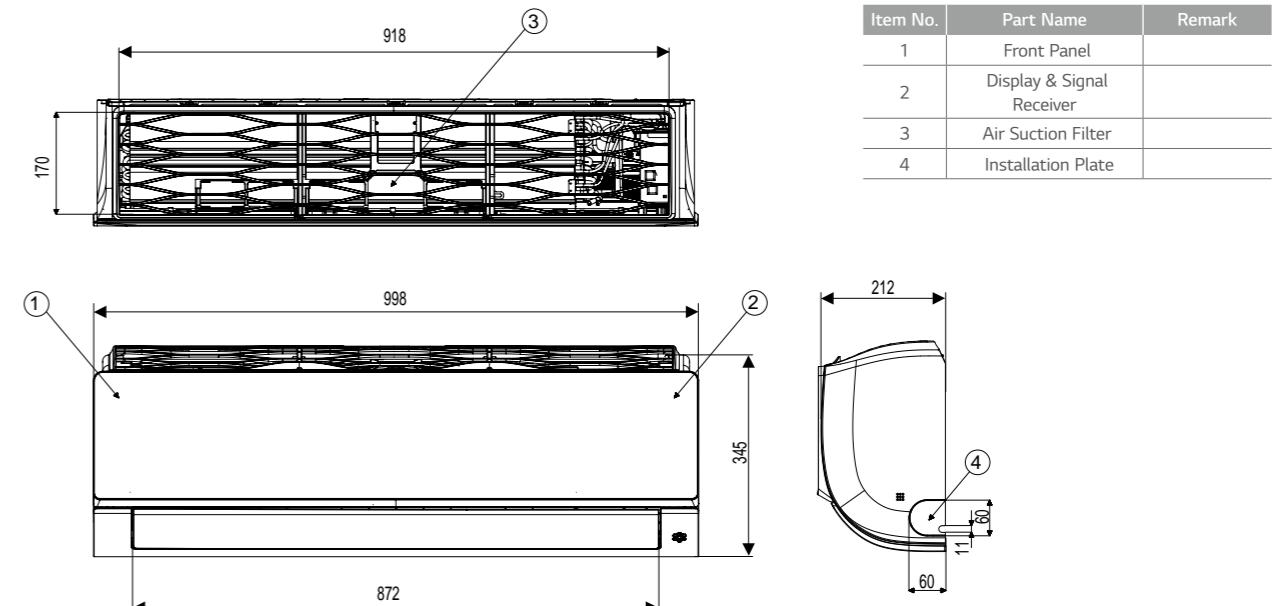


| (Unit : mm) | | |
|-------------|---------------------------|--------------------|
| Item No. | Part Name | Remark |
| 1 | Front Panel | |
| 2 | Display & Signal Receiver | |
| 3 | Air Filter | |
| 4 | Knockout hole | For pipe and cable |

WALL MOUNTED DIMENSIONS

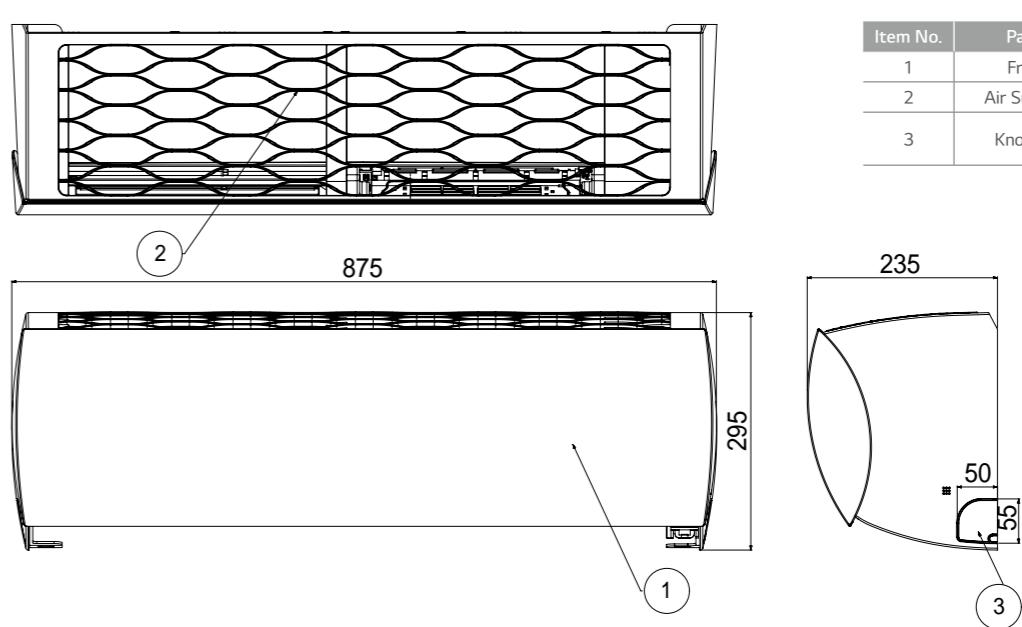
INDOOR UNITS

AC18BQ NSK / AC24BQ NSK / AC18SQ NSK



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

F09MT NSM / F12MT NSM

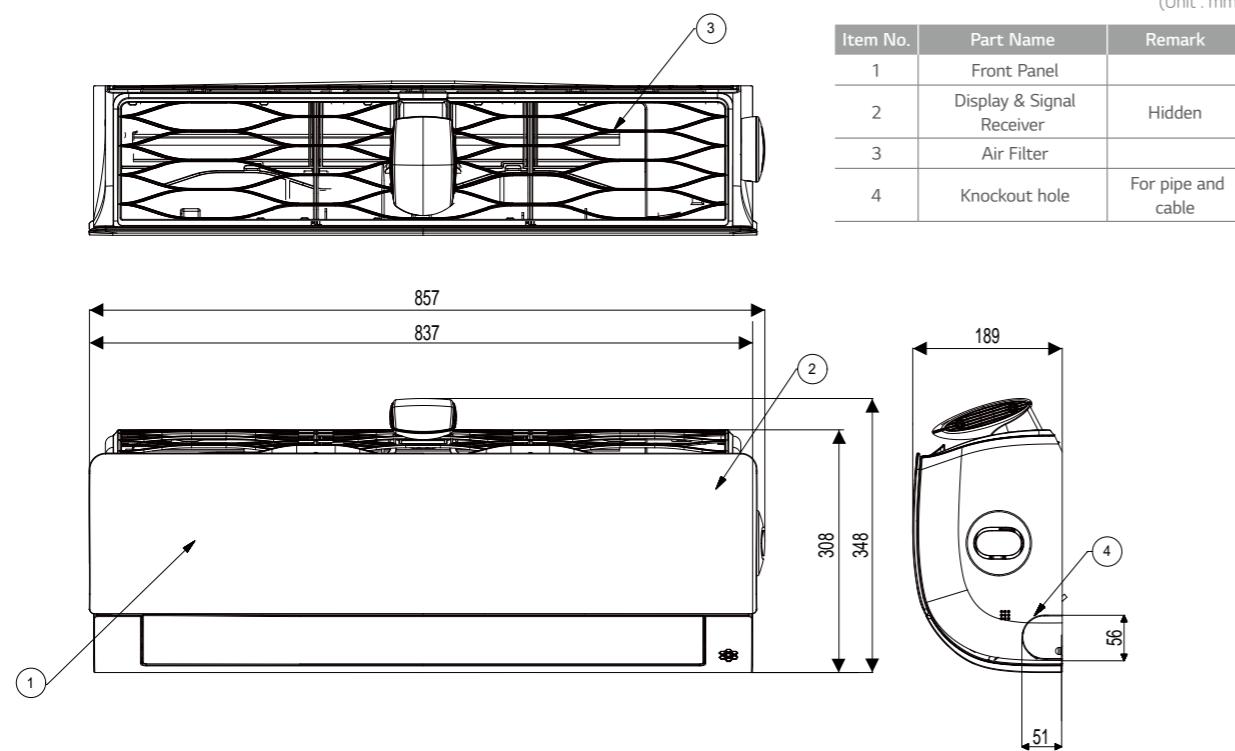
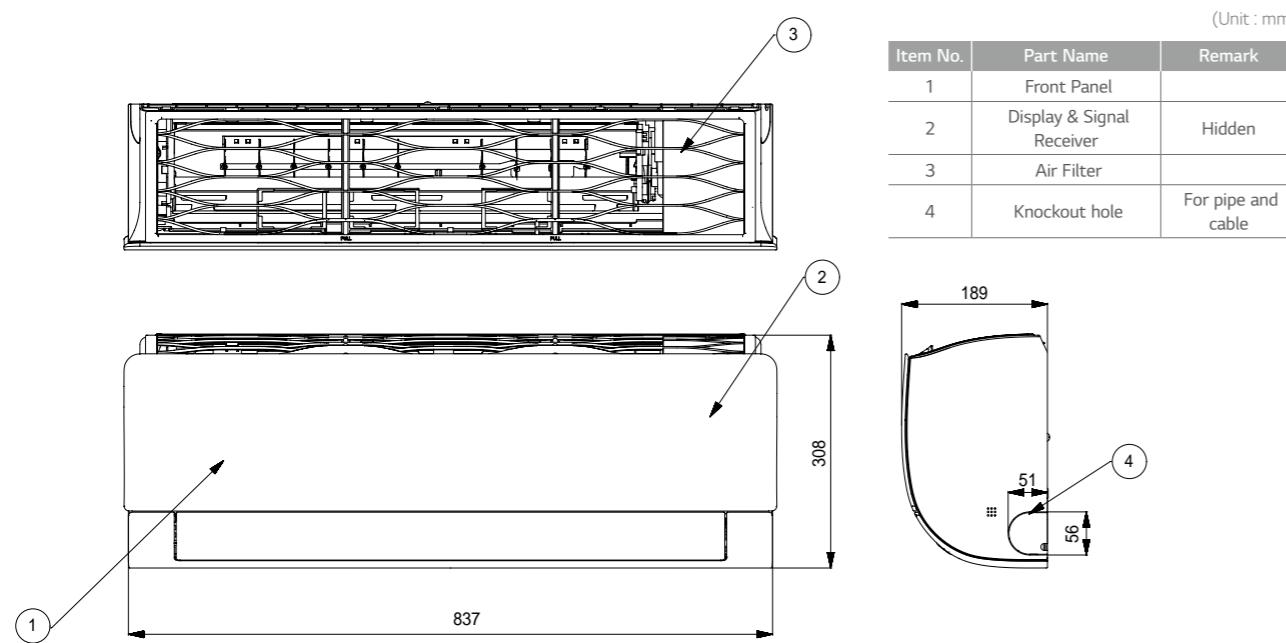


| (Unit: mm) | | |
|------------|--------------------|--------------------|
| Item No. | Part Name | Remark |
| 1 | Front Panel | |
| 2 | Air Suction Grille | |
| 3 | Knockout Hole | For pipe and cable |

WALL MOUNTED DIMENSIONS

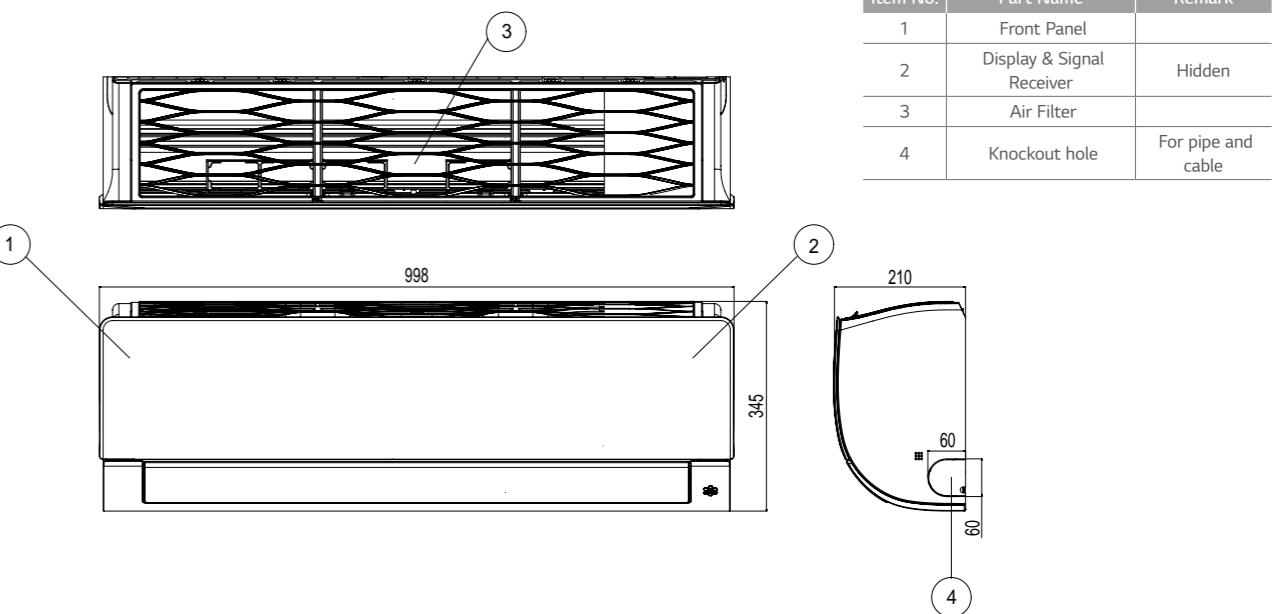
INDOOR UNITS

AP09RT NSJ / AP12RT NSJ

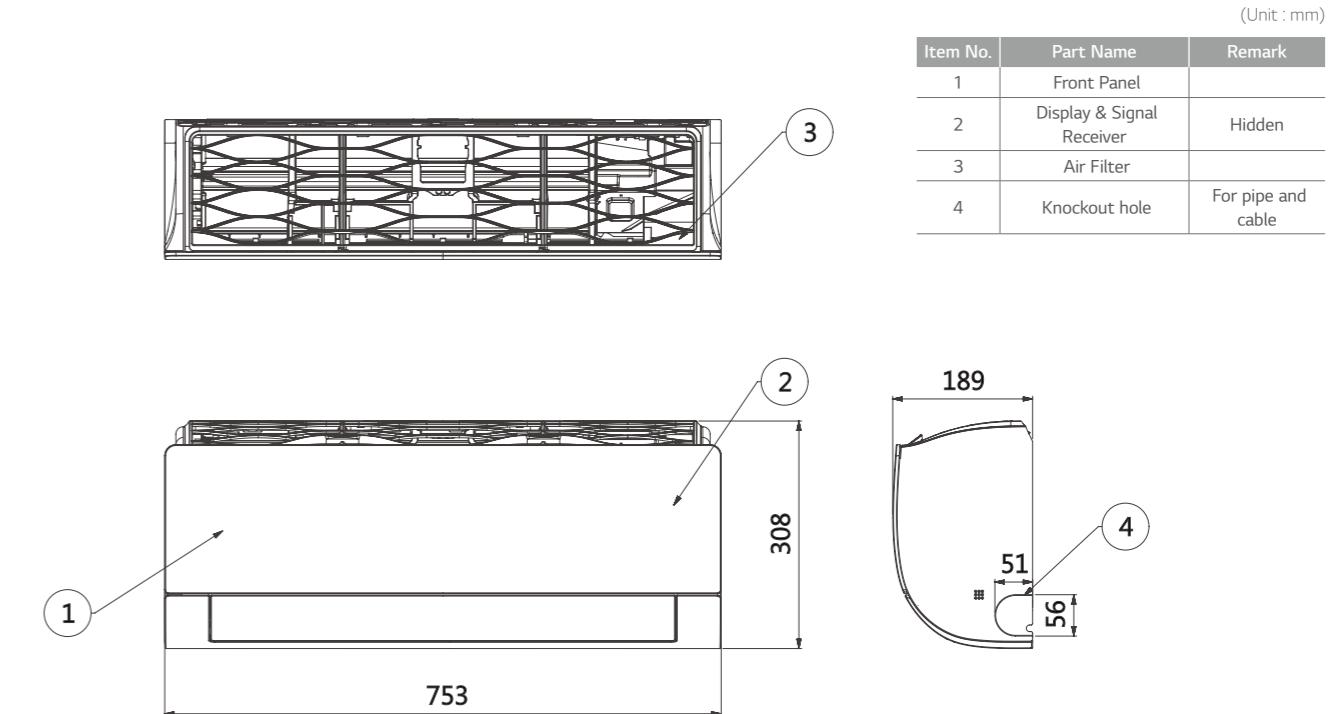
DC09RQ NSJ / DC12RQ NSJ / DC09RT NSJ / DC12RT NSJ / PC09SQ NSJ
/ PC12SQ NSJ / S09EQ NSJ / S12EQ NSJ / S09ET NSJ / S12ET NSJ / S12ES NSJ

WALL MOUNTED DIMENSIONS

INDOOR UNITS

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

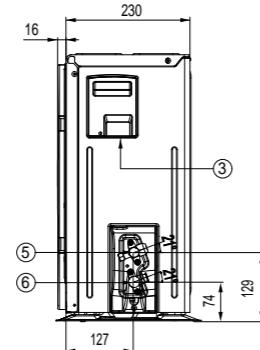
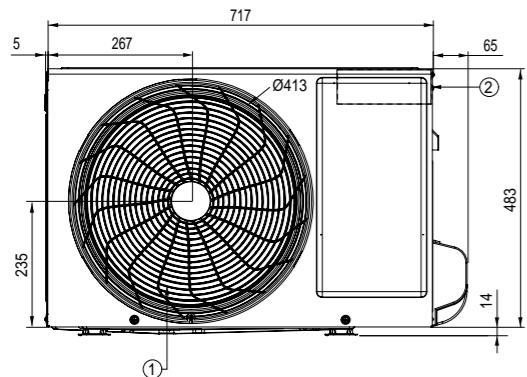
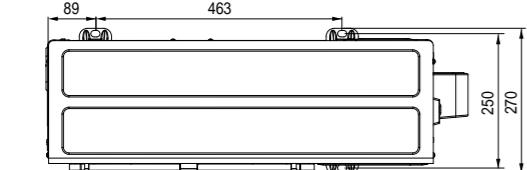
S09ES NSA



WALL MOUNTED DIMENSIONS

OUTDOOR UNITS

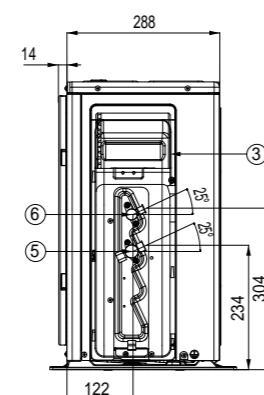
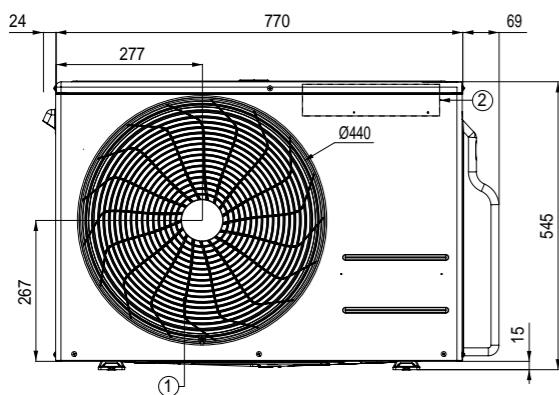
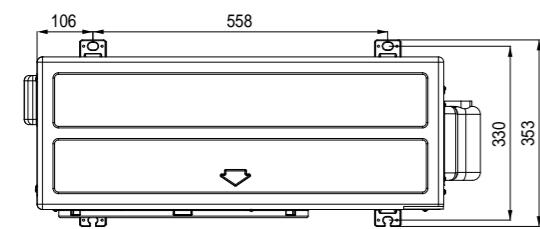
**AC09BQ UA3 / AC12BQ UA3 / AC09SQ UA3 / AC12SQ UA3 / DC09RT UA3
/ DC12RT UA3 / PC09SQ UA3 / PC12SQ UA3 / S09EQ UA3 / S12EQ UA3 / S09ET UA3
/ S12ET UA3 / S12ES UA3 / AP09RT UA3 / AP12RT UA3 / S09ES UA3**



(Unit: mm)

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

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

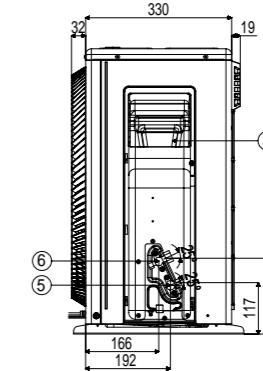
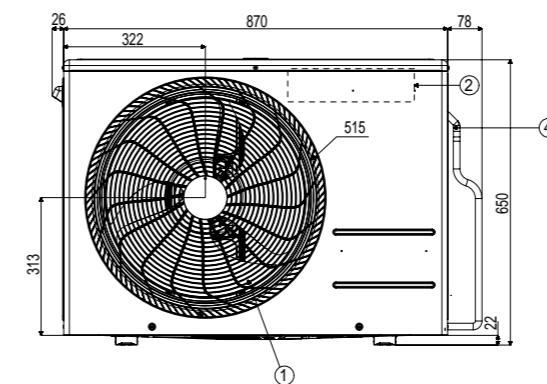
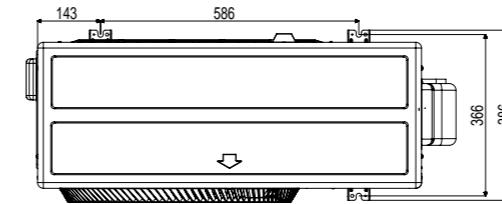


WALL MOUNTED DIMENSIONS

OUTDOOR UNITS

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

(Unit: mm)



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

ACCESSORIES

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

* Y : Available

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

Standard Wired Remote Control

• Standard III



PREMTB100 PREMTBB10

• Standard II



PREMTB001 PREMTBB01

| MODEL NAME | PREMTB100 PREMTBB10 | PREMTB001 PREMTBB01 |
|-------------------------------------|---|------------------------|
| Operation Mode | On / Off, Fan Speed Control, Temperature Setting | |
| Mode Change | Cooling / Heating / Auto / Dehumidification / Fan | |
| Auto Swing / Vane Control | • | • |
| Reservation | Simple / Sleep / On, Off / Weekly / Holiday | |
| Time Display | • | • |
| Electrical Failure Compensation | • | • |
| Child Lock | • | • |
| Operation Status LED | • | • |
| Indoor Temperature Display | • | • |
| Wireless Remote Controller Receiver | - | • |
| Size (WxHxD, mm) | 120 x 120 x 16 | 120 x 121 x 16 |
| Backlight | • | • |
| Display AirQuality Status | - | - |

* Refer to each model PDB for applicable models.

PI 485



PMNFP14A1

Power : Single phase AC 220V 50/60Hz

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

Model applied : RAC / Multi / Single / Therma V

* Refer to each product PDB for applicable models

ACCESSORIES

Dry Contact



PDRYCB000 PDRYCB400



PDRYCB300 PDRYCB500

* Refer to each product PDB for applicable models

| MODEL | PDRYCB000 | PDRYCB400 | PDRYCB300 | PDRYCB500 |
|-----------------------------|-----------------------------------|----------------------------------|----------------------------------|-----------------------------------|
| Contact Point | 1 Control Point | 2 Control Point | 8 Control Point | Modbus RTU |
| Power Input | AC 220V from outside power source | DC 5V & 12V from indoor unit PCB | DC 5V & 12V from indoor unit PCB | DC 5V & 12 V from indoor unit PDB |
| Voltage / Non Voltage Input | - | • | • | - |
| On / Off Control | • | • | • | • |
| Lock / Unlock | • | • | • | - |
| Fan Speed Setting | - | - | • | • |
| Thermo Off | - | • | • | - |
| Energy Saving | - | • | - | - |
| Temperature Setting | - | • | • | • |
| Error Monitoring | • | • | • | • |
| Operation Monitoring | • | • | • | • |

Remote Control



Prestige
Artcool
Deluxe, Deluxe2,
Standard Plus
Standard, Standard2, Standard3

| BUTTON | DISPLAY SCREEN | DESCRIPTION |
|--------|----------------|---|
| | - | To turn on / off the air conditioner. |
| | 88 °F | To adjust the desired room temperature in cooling, heating or auto changeover mode. |
| | - | To adjust the air flow to deflect wind. |
| | - | To set the brightness of the display on the indoor unit. |
| | * | 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. |
| | - | To adjust the fan speed. |
| | - | To bring the effect of the power saving. |
| | Po | To change room temperature quickly. |
| | | To adjust the air flow direction vertically or horizontally. |
| | °C | To display the room temperature. |
| | °F | To change unit between °C and °F. |
| | - | To set / cancel the functions and timer. |
| | - | To adjust time. |
| | - | To turn on / off air conditioner automatically. |
| | - | To cancel the timer settings. |

MULTI SPLIT



LINE - UP

R32 INDOOR / OUTDOOR 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 | ARTCOOL Gallery |   | | MA09R NF1 | MA12R NF1 | | | |
| | ARTCOOL Mirror |   | | AM07BP NSJ | AC09BQ NSJ | AC12BQ NSJ | AC18BQ NSK | AC24BQ NSK |
| | ARTCOOL Silver |   | | | AC09SQ NSJ | AC12SQ NSJ | AC18SQ NSK | |
| | Air - Purification |   | NEW | | AP09RT NSJ | AP12RT NSJ | | |
| | Deluxe |   | | DM07RP NSJ | DC09RQ NSJ | DC12RQ NSJ | DC18RQ NSK | DC24RQ NSK |
| | Standard Plus |   | | PM05SP NSJ | PM07SP NSJ | PC09SQ NSJ | PC12SQ NSJ | PM15SP NSJ |
| | | | | MJ05PC NSJ | MJ07PC NSJ | MJ09PC NSJ | MJ12PC NSJ | MJ15PC NSJ |
| | Standard 2 |   | NEW | | MS07ET NSJ | S09ET NSJ | S12ET NSJ | S18ET NSK |
| Ceiling Mounted Cassette | 1 Way Cassette |   | | | MT09R NU1 | MT11R NU1 | | |
| | 4 Way Cassette |   | NEW | MT06R NRO | MT08R NRO | CT09F NRO | CT12F NRO | CT18F NQ0 |
| | Mid / High Static Pressure |   | NEW | | | | CM18F N10 | CM24F N10 |
| Ceiling Concealed Duct | Low Static Pressure |   | NEW | | CL09F N50 | CL12F N50 | CL18F N60 | CL24F N30 |
| | |   | NEW | | | | | |
| | 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 | |  |  |  |  |  |  |  |

※ All indoor units are compatible with R410A outdoor units.

R410A INDOOR / OUTDOOR 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 |
| Ceiling & Floor Convertible | |  | | | CV09 NE2 | CV12 NE2 | | |
| Console | |  | | | CQ09 NA0 | CQ12 NA0 | CQ18 NA0 | |
| | KBTU/H | 40 | 48 | 56 | | | | |
| | KW | 11.7 | 14.1 | 16.4 | | | | |
| Multi Piping | |  | | | | | | |
| Distribution Box | |  | | |  |  |  | |

FEATURE OVERVIEW

| REFRIGERANT | R32 | | | | | | | R410A | | | |
|-------------------------------|--------------|-----|-----|-----|-----|-----|-----|-------------|------|------|------|
| TYPE | MULTI PIPING | | | | | | | DB BOX TYPE | | | |
| kBtu/h | 14 | 16 | 18 | 21 | 24 | 27 | 30 | 40 | 40 | 48 | 56 |
| kW | 4.1 | 4.7 | 5.3 | 6.2 | 7.0 | 7.9 | 8.8 | 11.7 | 11.7 | 14.1 | 16.4 |
| BLDC Comp & Fan Motor | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Eurovent Certification | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Variable Voltage Control | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Wide Louver Plus Fin | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Optimized Heat Exchanger Path | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Power Saving Start up | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Peak Current Control | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Standby Mode | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Mode Lock | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| R1 Compressor | | | | | | | | ● | ● | ● | ● |
| Twin Rotary Compressor | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Smart Sensor Pressure Control | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Black Fin Heat Exchanger | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Fast Cooling & Heating | | | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Night Silent Operation | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Wiring Error Check | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| LG MV | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| PI-485 Connection | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Forced Cooling Operation | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

Comfort & Convenience

KEY FEATURES

PERFECT SOLUTION FOR MULTIPLE ROOMS



Energy Efficiency | Extreme Durability | Comfort and Convenience

LG's Multi Split system provides powerful, efficient cooling and heating with two, three, four, or up to nine indoor units operating from a single outdoor unit. LG's advanced inverter technology offers powerful performance while consuming less energy and floor space than that of individual single split systems.



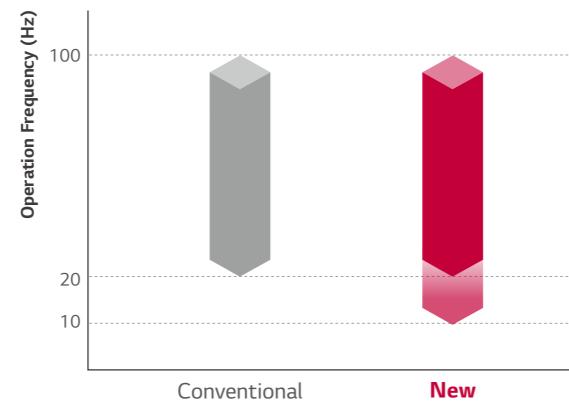
ENERGY EFFICIENCY



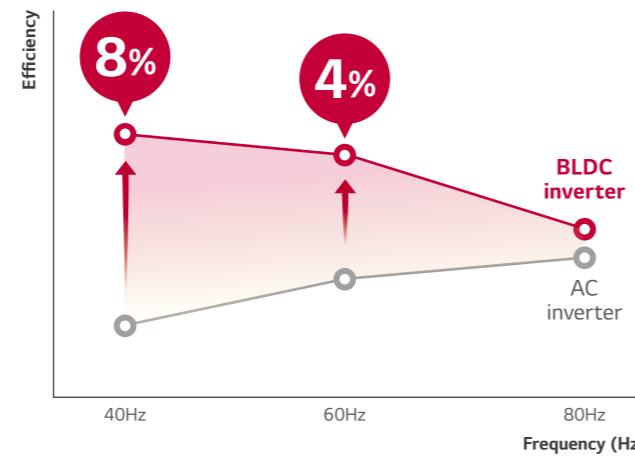
Powerful Brushless Direct Current Motor (BLDC) Compressor

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. With improved efficiency as compared to standard AC inverter products, this compressor is optimized for outdoor load changes and seasonal efficiency.

• Operation Range



• Motor Efficiency



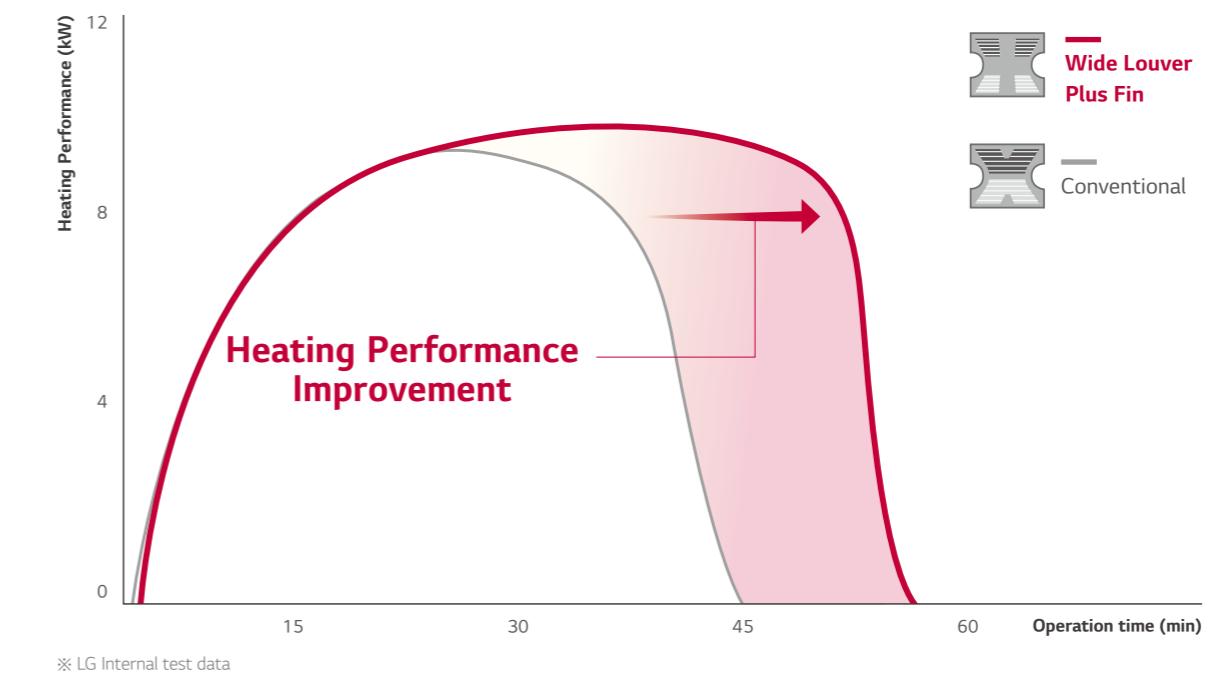
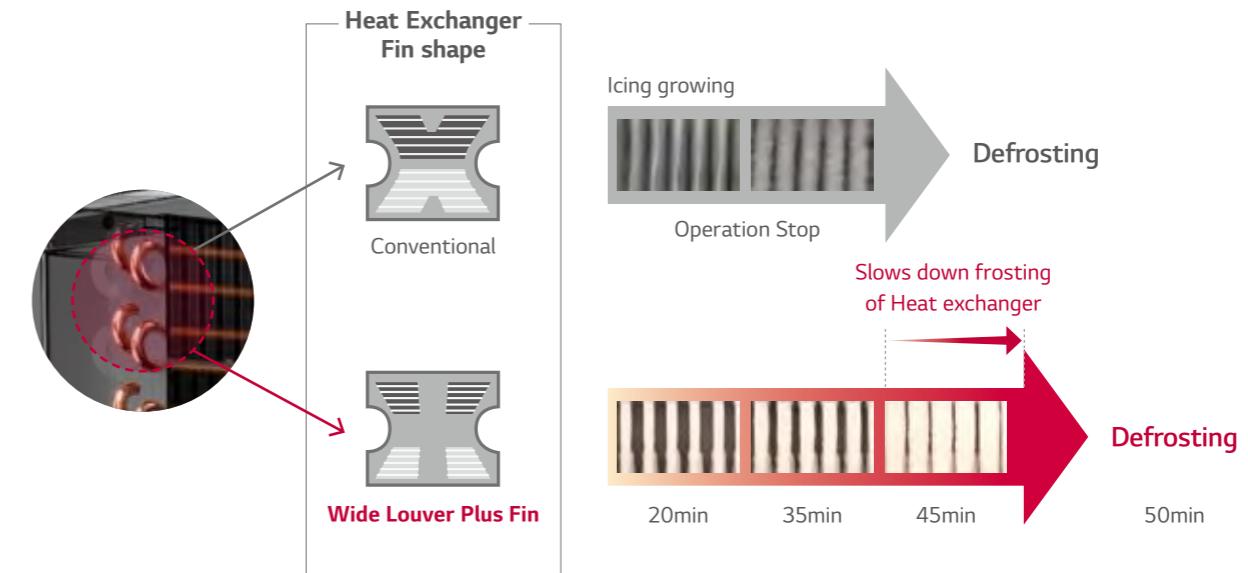
ENERGY EFFICIENCY

Enhanced Heat Exchange

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

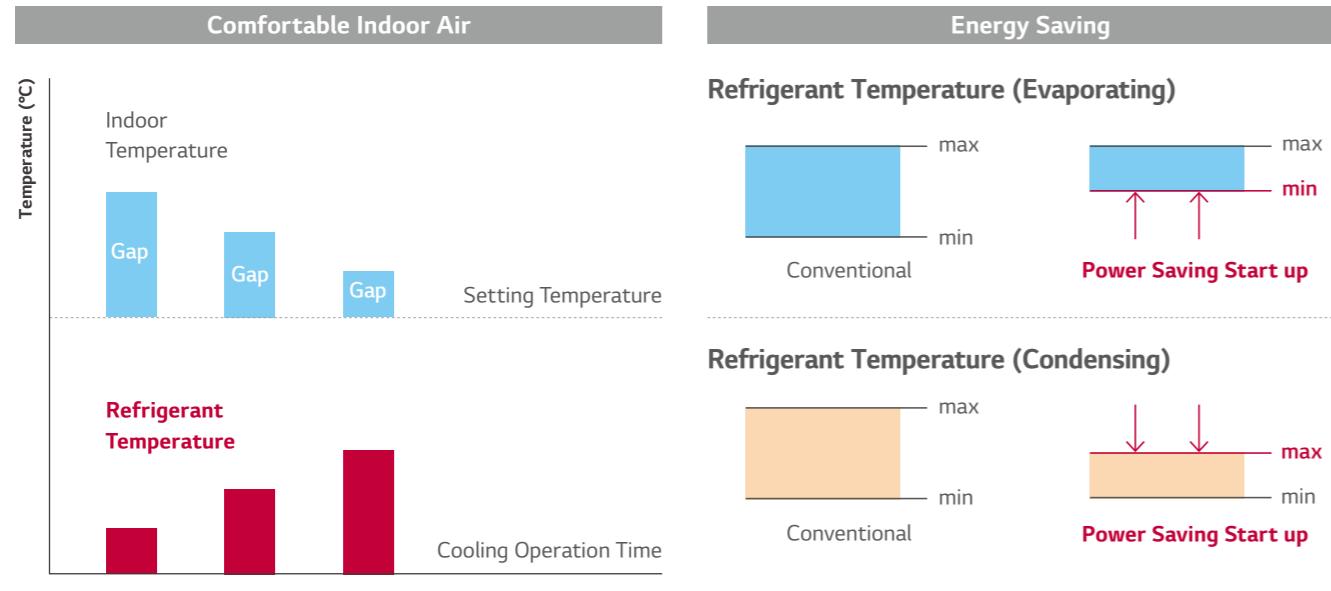
It can slow down frosting of heat exchanger and postpone the start of defrosting operation.



ENERGY EFFICIENCY

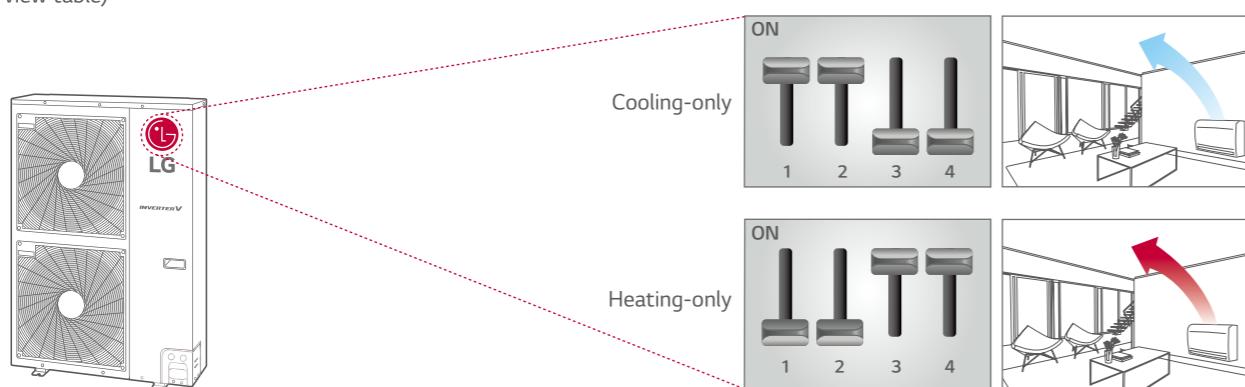
Power Saving Start Up

LG commercial air conditioners will automatically alter the temperature of discharge air by controlling their refrigerant temperature based on the difference between the indoor temperature and the target indoor temperature. During cooling operation, evaporating temperature will increase if the temperature difference reduces. This allows for enhanced comfort and reduced energy consumption.



Mode Lock

Set the operation mode to either cooling-only or heating-only; either by adjusting the wired remote controller or setting the DIP switch to avoid combined use of cooling and heating. (Some models need wired remote controller for mode lock function according to feature overview table)



ENERGY EFFICIENCY

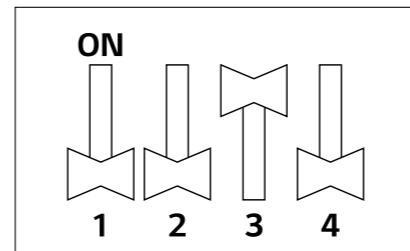
Peak Current Control

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 allows for reduced energy costs during the peak energy use periods when energy fees are higher.

• How to set dip switch

STEP 1

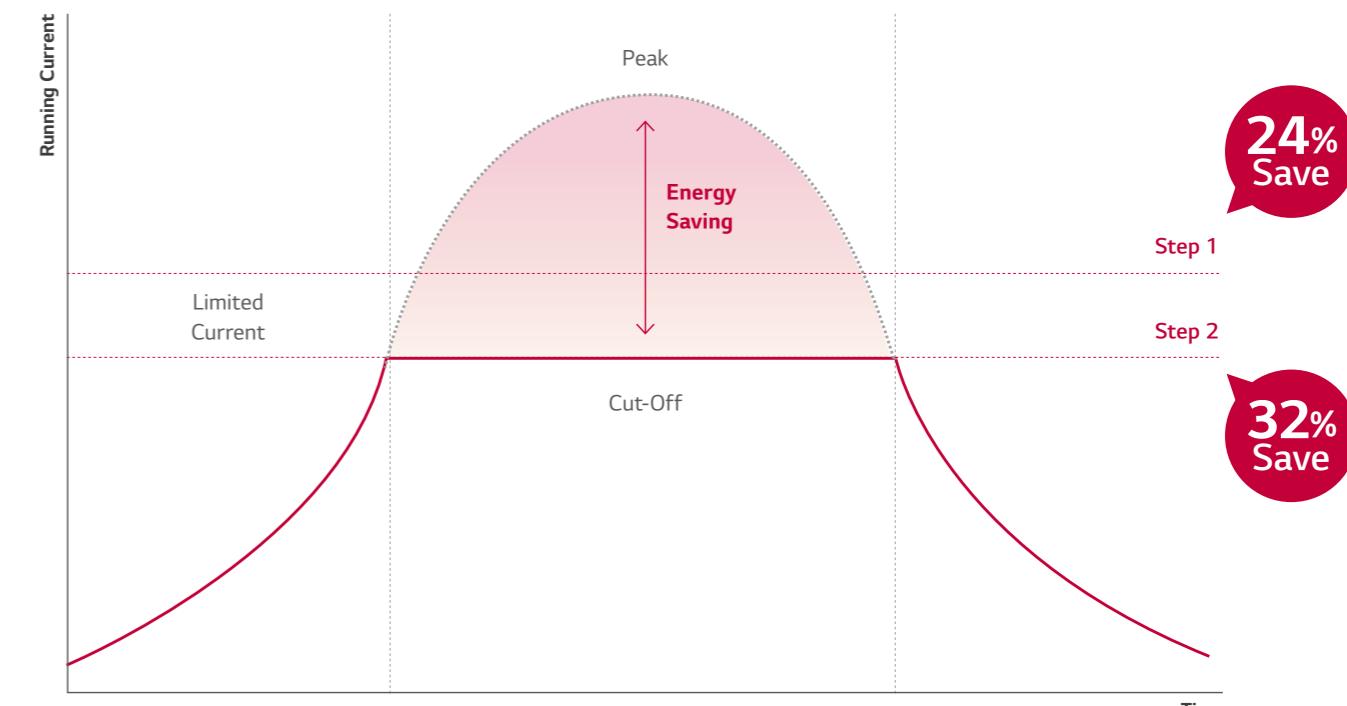
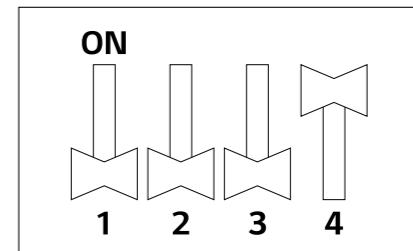
Max power consumption : 1.9 kW



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

STEP 2

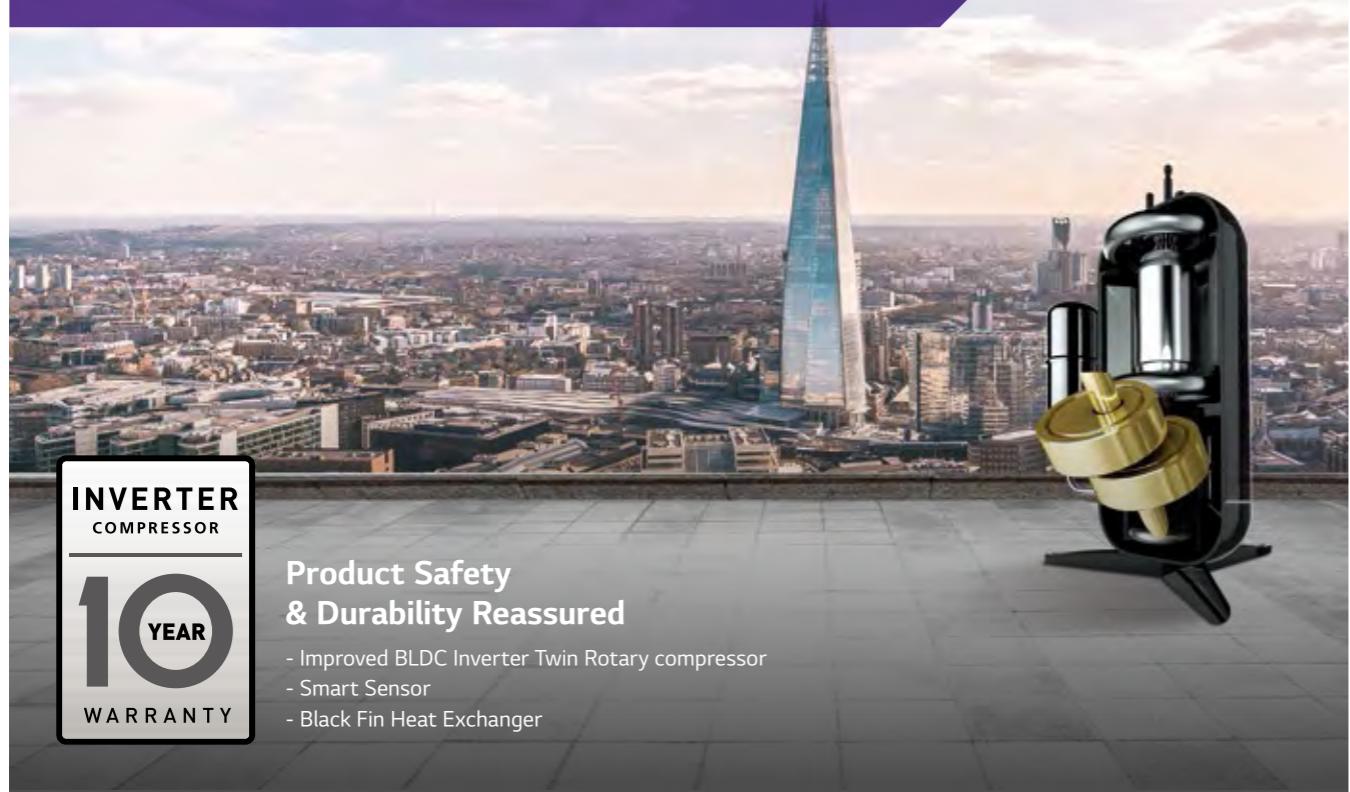
Max power consumption : 1.7 kW



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

EXTREME DURABILITY

Product durability is attested by a 10-year compressor warranty.



Improved BLDC Inverter Dual Inverter Compressor

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

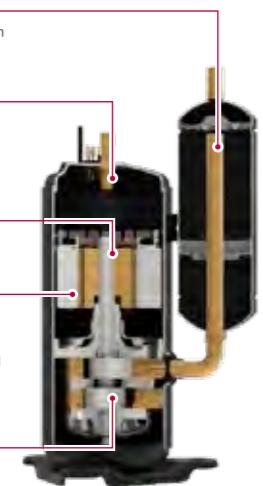
Suction Optimization
Reduced suction loss and improving oil collection through the optimization of suction path.

Flow Optimization
Reduced oil inflow by increasing the length of oil discharge pipe, leading to a sufficient oil quantity inside compressor hence preventing compressor abrasion.

Surface Coating
Shaft coating and polishing has been improved.

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

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

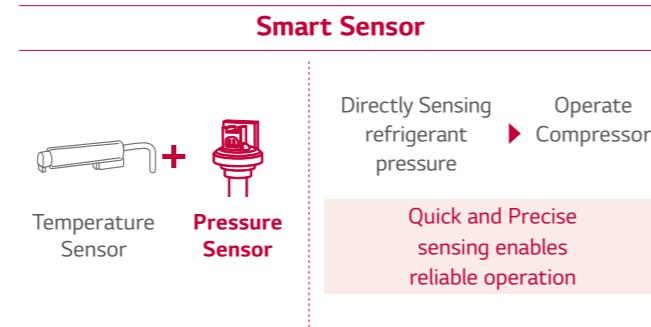
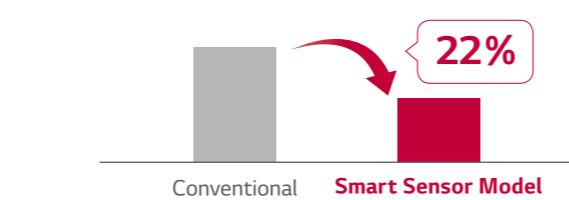


Twin Rotary Inverter Compressor

Pressure Control Technology by Smart Sensor

Quicker and more reliable operation made possible by pressure control technology.

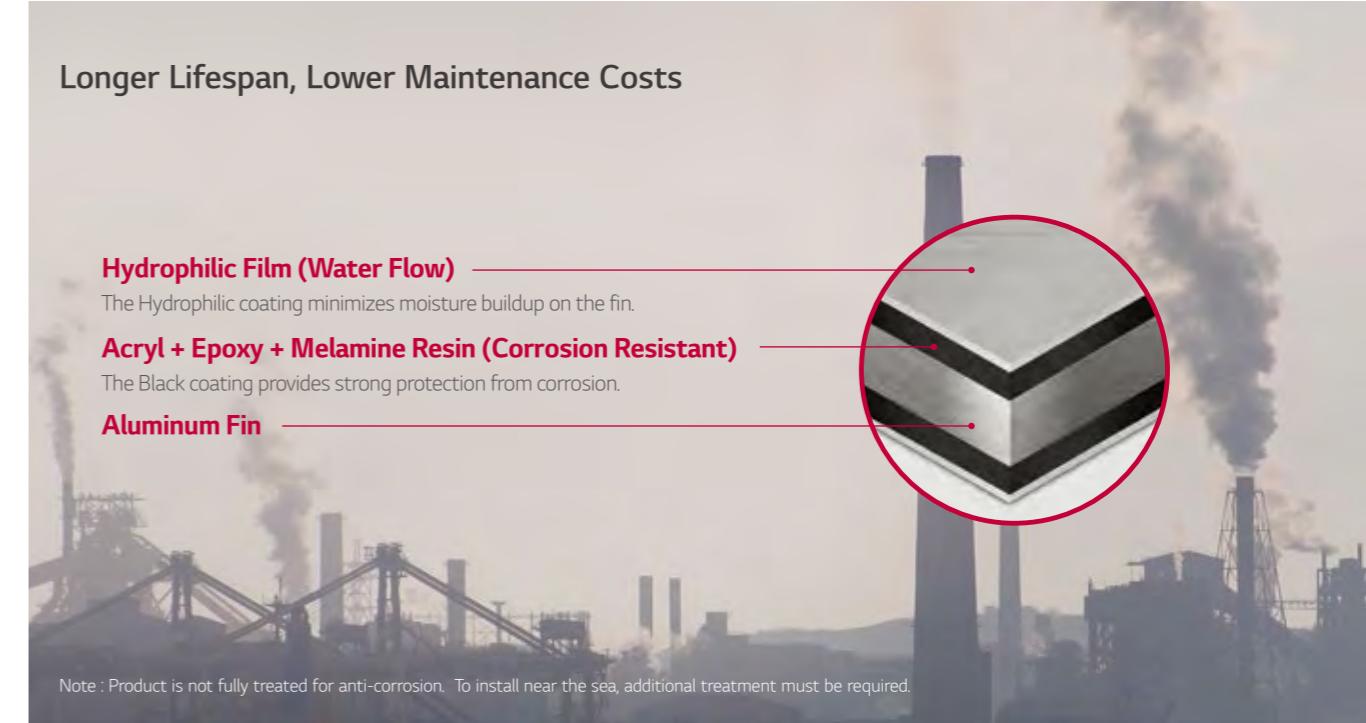
• Field Failure Rate of Outdoor Unit



EXTREME DURABILITY

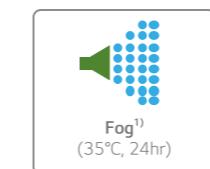
Corrosion Resistance Black Fin

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.



SST (Salt Spray Test)

Test Process

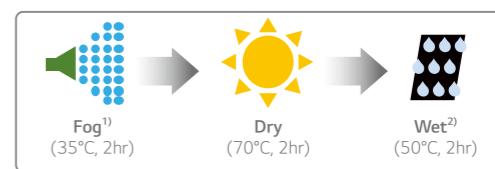


Process repeated

Test process is conducted according to ISO 9227.
1) Salty water concentration : NaCl aqueous solution (5%)

CCT (Cyclic Corrosion Test)

Test Process



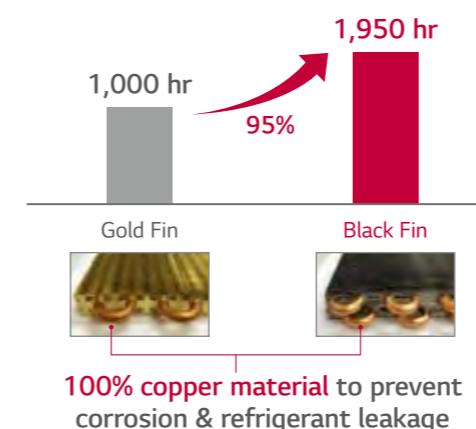
Process Repeated

Test process is conducted according to ISO 14933.

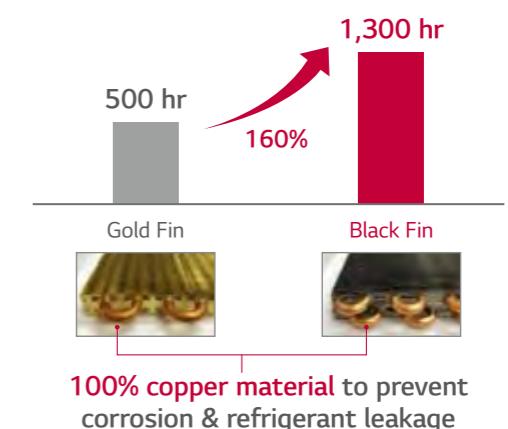
1) Salty water concentration : NaCl aqueous solution (5%)
※ Dry condition changed : 60°C, 4hr → 70°C, 2hr

2) Deionized water

Test Result (5% Area of defects compared to initial)



Test Result (5% Area of defects compared to initial)



EXTREME DURABILITY

R1 Compressor



* LG Internal test result, Based on single split 10 kW Cassette
** LG Internal test result, Based on conventional compressor (Rotary type GPT442M)
※ R1 Compressor application
Model : 40-56k (7 models)

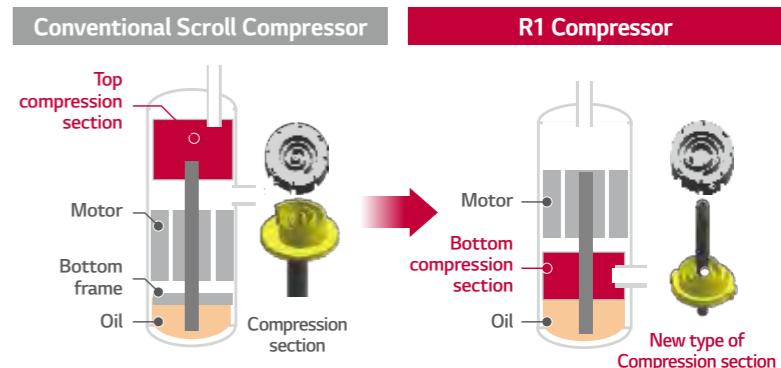
EXTREME DURABILITY

Revolutionary Scroll Compressor

Revolutionary Scroll Compressor is applied for high-efficiency and reliability. This type of compressor is more advanced compared to the conventional one. Especially tilting motion of scroll has been improved. Further, the operation range is improved compared to the conventional type.

- Scroll compressor with simple structure
- High efficiency (Low load at low speed / total efficiency)
- Low noise (High speed possible)
- Improved Tilting Motion of scroll
- 20% weight reduction (vs. Conventional compressor)

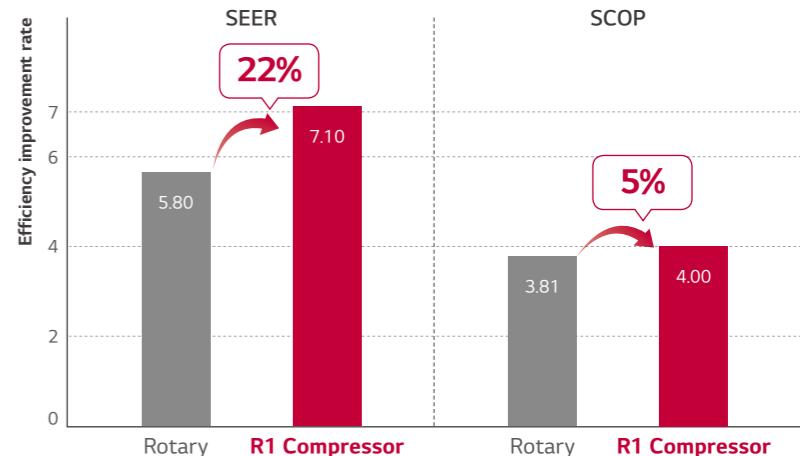
※ Applied Model : 40-56k (7 models)



• Seasonal energy efficiency

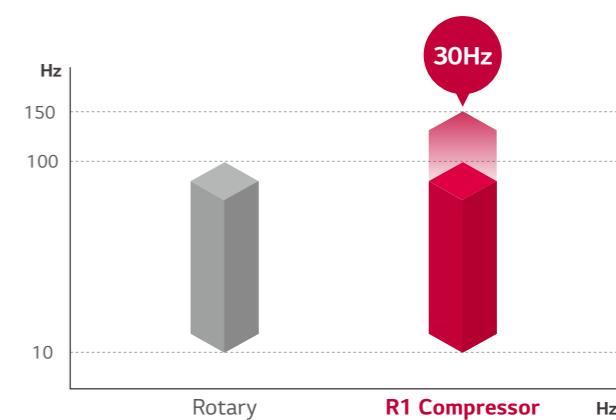
SEER 22%, SCOP 5% improvement (vs. Rotary)

※ Multi 40k



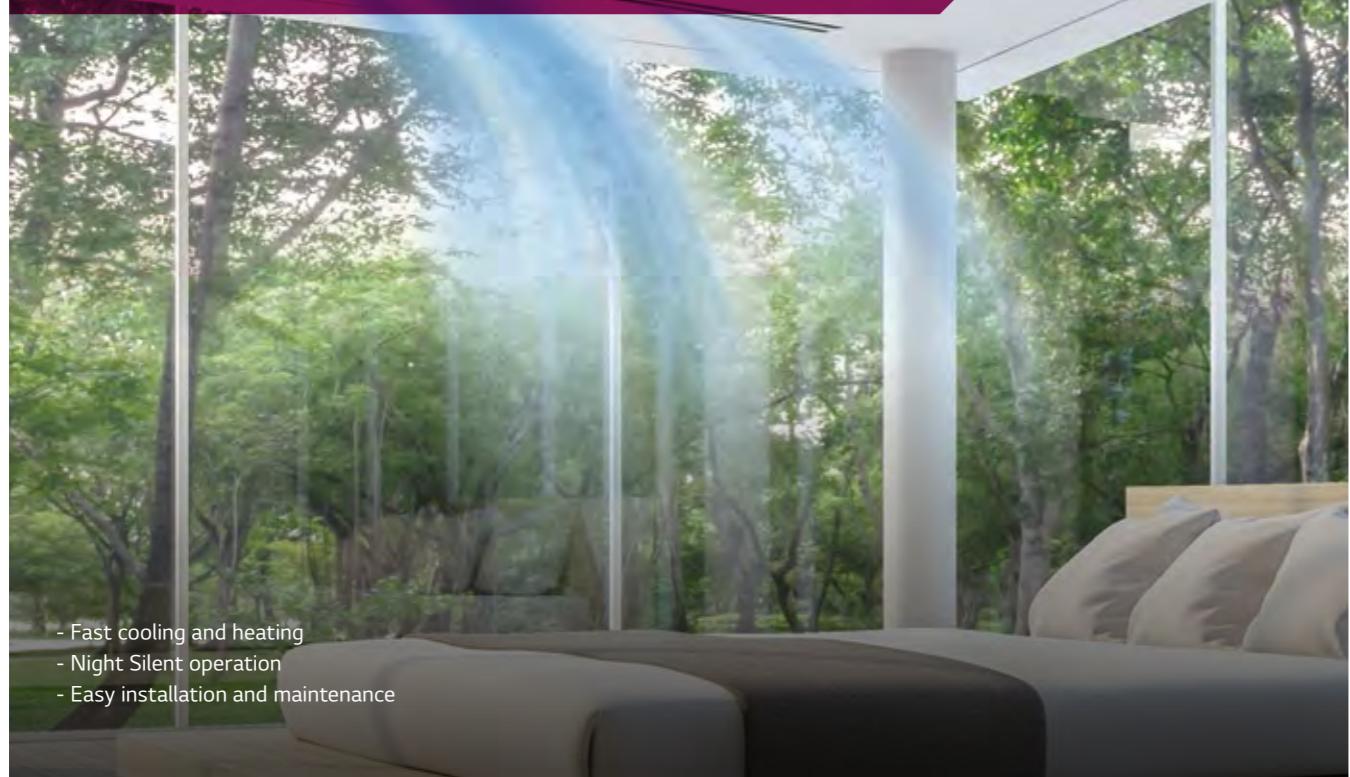
• Wide Operation Range

- Optimized for various cooling & heat load operation
- World best compressor speed (Up to 150 Hz)
- Optimized for even low load operation (Down to 10 Hz)
(Efficiency increases / Improved comfort)



COMFORT AND CONVENIENCE

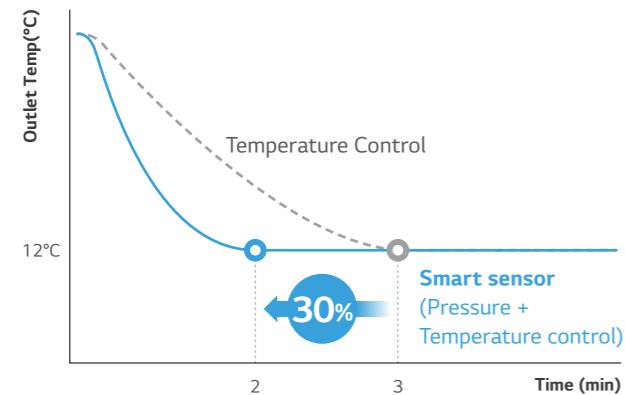
LG air conditioners are designed to provide users with maximum levels of comfort and professionals with easy, efficient installation capabilities.



Fast Cooling & Heating

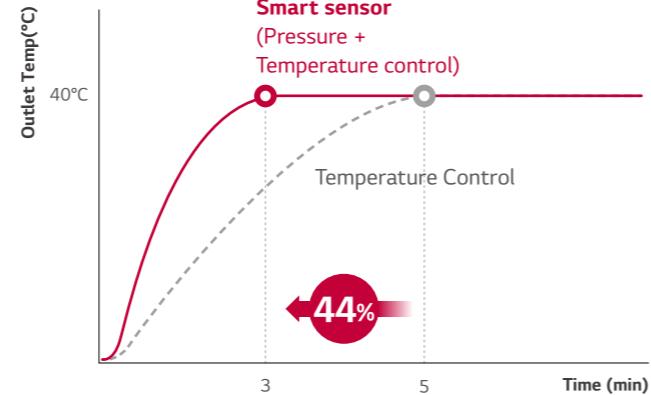
Pressure control takes less time to reach the desired temperature up to 30% in cooling and 44% in heating with high level of accuracy and stability.

• Cooling



※ LG Internal test result

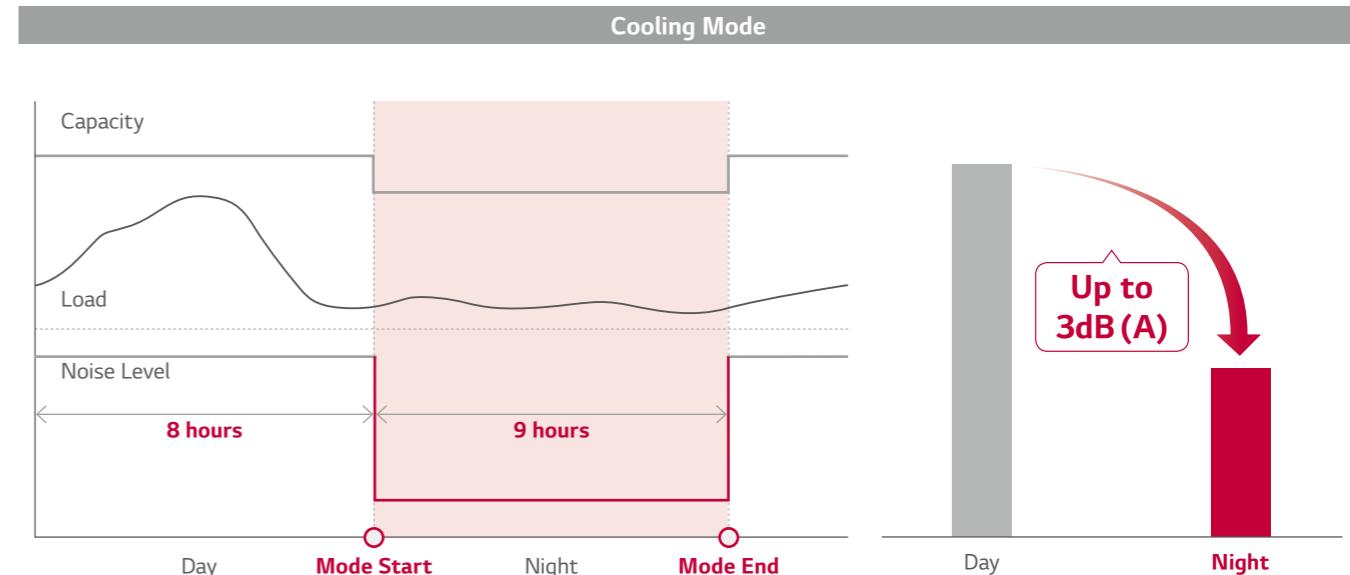
• Heating



COMFORT AND CONVENIENCE

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.



※ This function is only available for Cooling Mode.

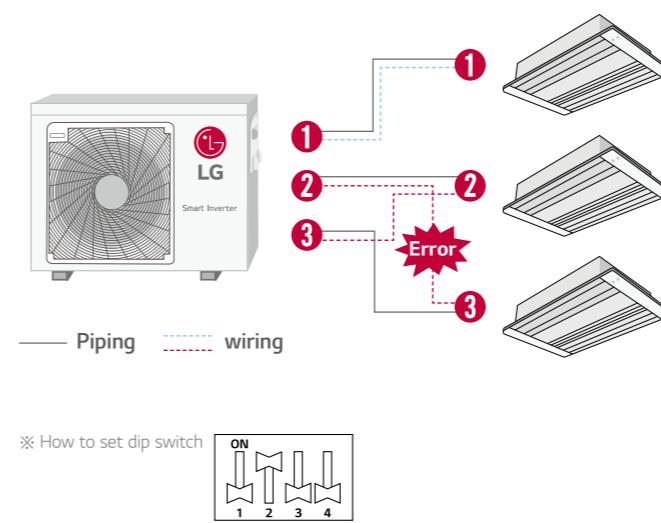
※ If you want to stop the Night Quiet Mode, Change the Dip Switch.

Wiring Error Check

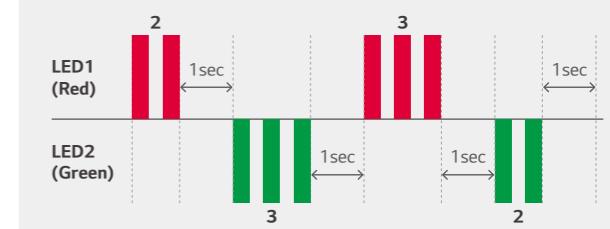
Installers can check whether the transmission cable has been connected correctly by using the wiring error check function. The wiring error check function can reduce the time taken to check for transmission cable errors.

• 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)



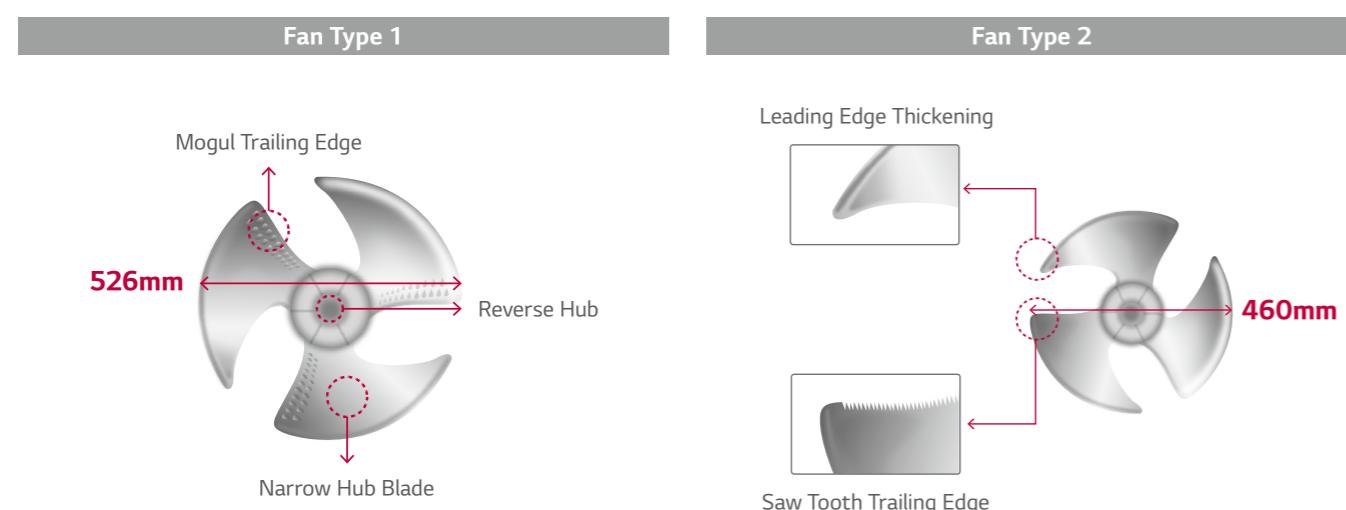
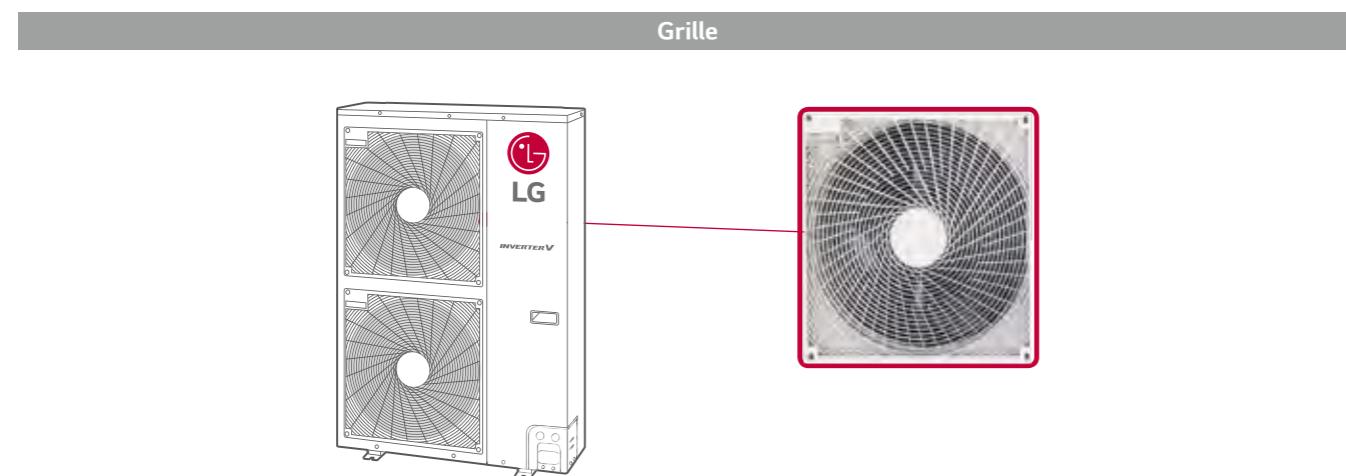
Ex) If the Red LED blinks twice and the Green LED blinks 3 times, 2nd pipe is connected to 3rd room



QUIET OPERATION

Advanced Grille & Fan

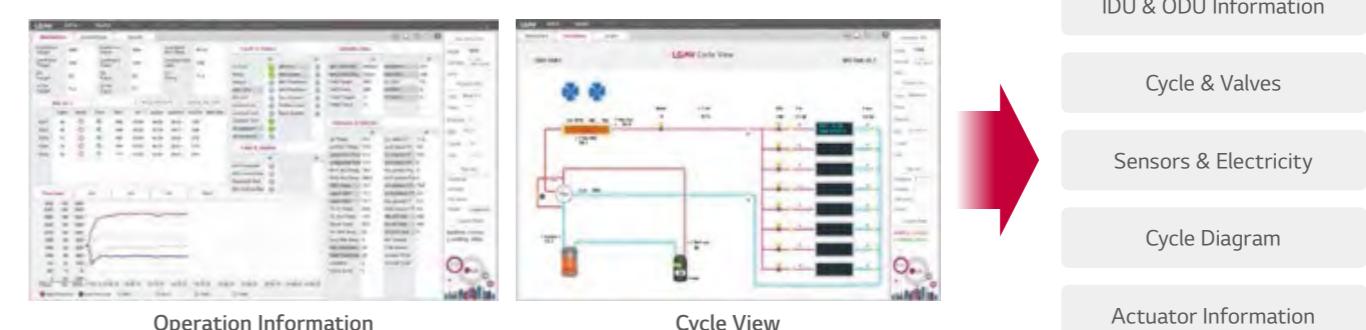
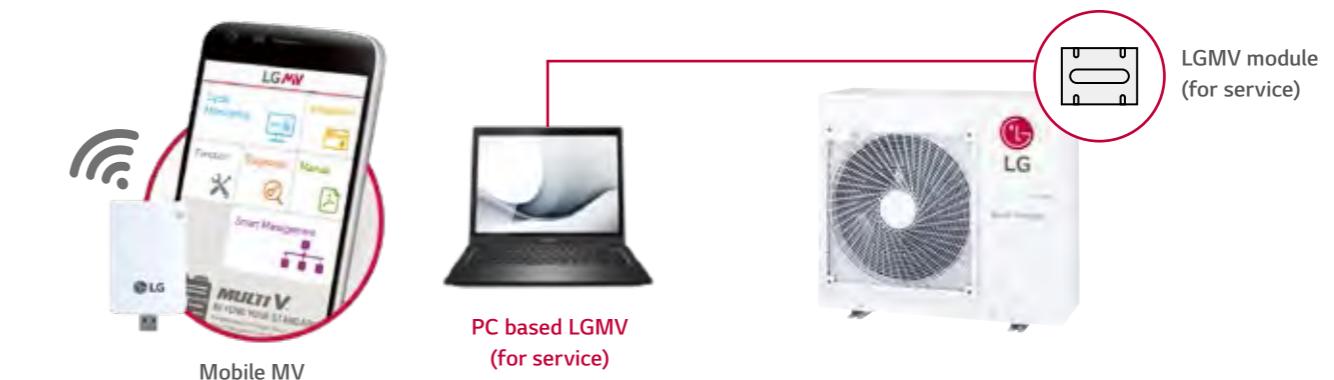
The improved grille shape design on the outdoor unit helps to distribute air more efficiently which improves heat exchange and reduces the noise level. The new axial Fan has a thick front edge and a smooth rear edge, thus providing not only high efficiency, low noise, wide fan, but also improving the air flow rate.



COMFORT AND CONVENIENCE

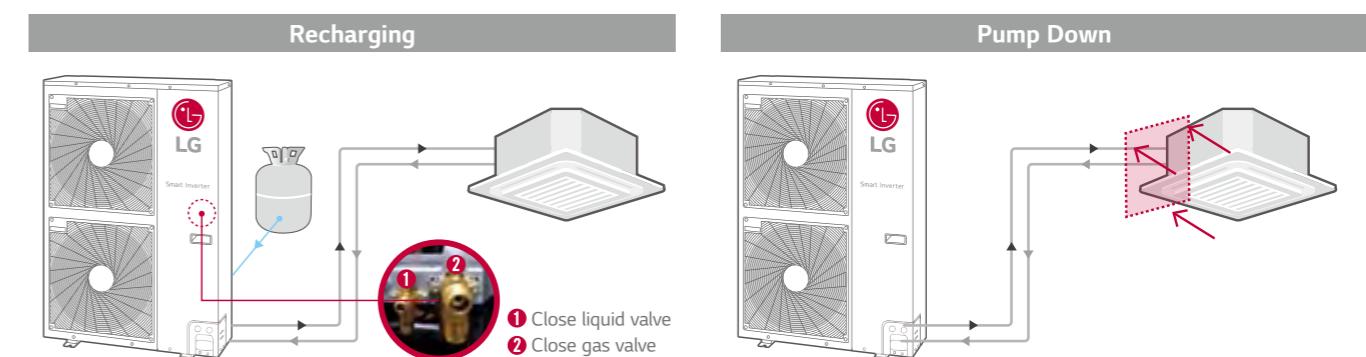
LG MV (Monitoring View)

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



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 SPECIFICATION

OUTDOOR UNITS



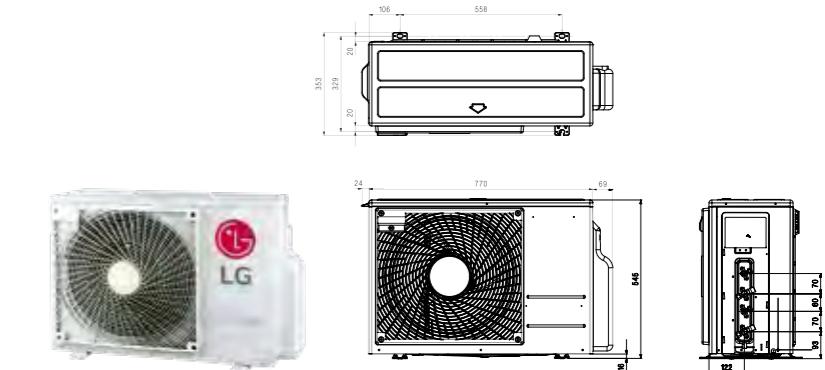
RESIDENTIAL

MULTI SPLIT

MU2R15
MU2R17



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



| OUTDOOR UNITS | | 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 |
| Seasonal Energy Label | Cooling / Heating (A+++ to D Scale) | A+++ / A+ | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | 169 / 1,367 | 210 / 1,367 |
| Airflow Rate | Nom m³/min | 28.2 | 28.2 |
| Sound Pressure | Cooling Nom dB(A) | 48 | 48 |
| | Heating Nom dB(A) | 51 | 51 |
| Sound Power | Cooling Max dB(A) | 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 |
| | t-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 |

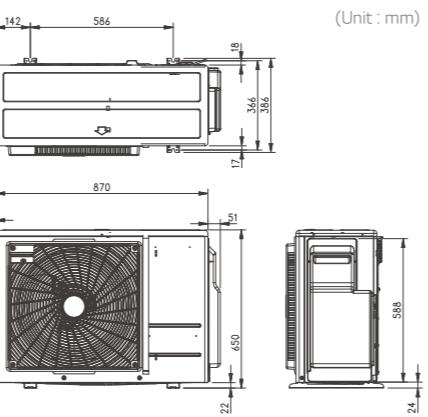
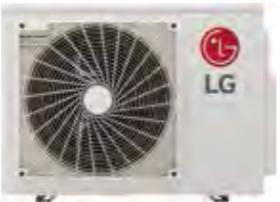
Notes :

1. Capacities are based on the following conditions:
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 ratio should be more than 40%.
6. This product contains fluorinated greenhouse gases (R32)

OUTDOOR UNITS



MU3R19
MU3R21
MU4R25



| OUTDOOR UNITS | | | MU3R19 U21 | MU3R21 U21 | MU4R25 U21 |
|-----------------------------|-------------------------------------|--------------------|-----------------|------------------|------------------|
| Compressor | Type | | Twin Rotary | | |
| Cooling | Min / Nom / Max kW | | 1.1 / 5.3 / 6.3 | 1.1 / 6.2 / 7.3 | 1.1 / 7.0 / 8.5 |
| Capacity * | Heating | Min / Nom / Max kW | 1.2 / 6.3 / 7.3 | 1.2 / 7.0 / 7.8 | 1.2 / 8.1 / 9.1 |
| Low Temperature Capacity | Heating -7°C | Max kW | 5.2 | 5.5 | 5.9 |
| Power Input * | Cooling | Min / Nom / Max kW | 0.3 / 1.1 / 2.0 | 0.3 / 1.4 / 2.5 | 0.3 / 1.8 / 2.8 |
| | Heating | Min / Nom / Max kW | 0.3 / 1.3 / 2.0 | 0.3 / 1.5 / 2.4 | 0.3 / 1.8 / 2.9 |
| Running Current | Cooling | Min / Nom / Max A | 1.3 / 5.0 / 9.2 | 1.3 / 6.5 / 11.1 | 1.3 / 8.0 / 12.6 |
| | Heating | Min / Nom / Max A | 1.3 / 5.7 / 9.2 | 1.3 / 6.9 / 10.8 | 1.3 / 8.3 / 12.9 |
| EER | | | 4.75 | 4.28 | 4.00 |
| COP | | | 5.00 | 4.60 | 4.40 |
| SEER | | | 8.50 | 8.50 | 8.00 |
| SCOP | | | 4.40 | 4.40 | 4.40 |
| Pdesign (@-10°C) | kW | | 5.20 | 5.20 | 5.40 |
| Seasonal Energy Label | Cooling / Heating (A+++ to D Scale) | | A+++ / A+ | A+++ / A+ | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | | 217 / 1,655 | 253 / 1,655 | 308 / 1,718 |
| Airflow Rate | Nom m³/min | | 50 | 50 | 50 |
| Sound Pressure | Cooling dB(A) | | 48 | 49 | 50 |
| | Heating dB(A) | | 53 | 54 | 54 |
| Sound Power | Cooling dB(A) | | 63 | 64 | 66 |
| Dimensions | W x H x D mm | | 870 x 650 x 330 | 870 x 650 x 330 | 870 x 650 x 330 |
| Net Weight | Kg | | 46 | 46 | 46.2 |
| | Type | | R32 | R32 | R32 |
| Refrigerant | Charge Kg | | 1.4 | 1.4 | 1.4 |
| | Additional Charge g/m | | 20 | 20 | 20 |
| | GWP | | 675 | 675 | 675 |
| | t-CO₂ eq | | 0.945 | 0.945 | 0.945 |
| 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 mm² | | 3C x 2.5 | 3C x 2.5 | 3C x 2.5 |
| Transmission Cable | No. x mm² | | 4C x 0.75 | 4C x 0.75 | 4C x 0.75 |
| Circuit Breaker | A | | 20 | 20 | 20 |
| Piping Length Total | m | | 50 | 50 | 70 |
| 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. | | 06.35 (1/4) x 3 | 06.35 (1/4) x 3 | 06.35 (1/4) x 4 |
| | Gas mm (inch) x No. | | 09.52 (3/8) x 3 | 09.52 (3/8) x 3 | 09.52 (3/8) x 4 |

※ This Product is avable from Apr.2020

Notes :

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 ratio should be more than 40%.

6. This product contains fluorinated greenhouse gases (R32)

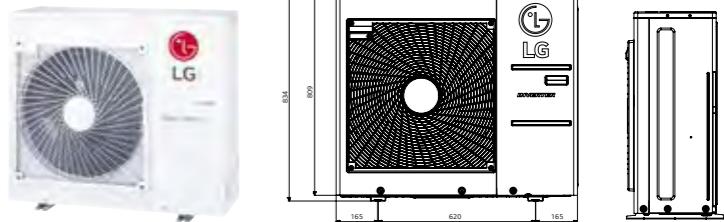
OUTDOOR UNITS



MU4R27
MU5R30



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



| OUTDOOR UNITS | | | MU4R27 U40 | MU5R30 U40 |
|-----------------------------|-------------------------------------|--|------------------|-------------------|
| Compressor | Type | | Twin Rotary | Twin Rotary |
| Cooling | Min / Nom / Max kW | | 1.3 / 7.9 / 9.5 | 1.3 / 8.8 / 10.6 |
| Heating | Min / Nom / Max kW | | 1.5 / 9.1 / 10.6 | 1.5 / 10.1 / 12.1 |
| Low Temperature Capacity | Heating -7°C Max kW | | 6.4 | 7.1 |
| Power Input * | Cooling Min / Nom / Max kW | | 0.4 / 1.8 / 2.9 | 0.4 / 2.0 / 3.4 |
| | Heating Min / Nom / Max kW | | 0.6 / 2.1 / 3.4 | 0.6 / 2.2 / 3.6 |
| Running Current | Cooling Min / Nom / Max A | | 1.9 / 8.1 / 13.1 | 1.9 / 9.1 / 15.2 |
| | Heating Min / Nom / Max A | | 2.8 / 9.4 / 15.3 | 2.8 / 9.7 / 16.3 |
| EER | | | 4.39 | 4.40 |
| COP | | | 4.39 | 4.70 |
| SEER | | | 8.00 | 8.20 |
| SCOP | | | 4.20 | 4.20 |
| Pdesign (@-10°C) | kW | | 7.00 | 7.40 |
| Seasonal Energy Label | Cooling / Heating (A+++ to D Scale) | | A++ / A+ | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | | 346 / 2,333 | 376 / 2,467 |
| Airflow Rate | Nom m³/min | | 60 | 60 |
| Sound Pressure | Cooling dB(A) | | 50 | 50 |
| | Heating dB(A) | | 54 | 54 |
| Sound Power | Cooling dB(A) | | 65 | 66 |
| Dimensions | W x H x D mm | | 950 x 834 x 330 | 950 x 834 x 330 |
| Net Weight | Kg | | 61 | 61 |
| | Type | | R32 | R32 |
| Refrigerant | Charge Kg | | 2.3 | 2.6 |
| | Additional Charge g/m | | 20 | 20 |
| | GWP | | 675 | 675 |
| | t-CO₂ eq | | 1.55 | 1.76 |
| 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 mm² | | 3C x 2.5 | 3C x 2.5 |
| Transmission Cable | No. x mm² | | 4C x 0.75 | 4C x 0.75 |
| Circuit Breaker | A | | 25 | 25 |
| Piping Length Total | m | | 70 | 75 |
| 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. | | 06.35 (1/4) x 4 | 06.35 (1/4) x 5 |
| | Gas mm (inch) x No. | | 09.52 (3/8) x 4 | 09.52 (3/8) x 5 |

Notes :

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 ratio should be more than 40%.

6. This product contains fluorinated greenhouse gases (R32)

WALL MOUNTED

| KBTU/H | 5 | 7 | 9 | 12 | 15 | 18 | 24 |
|--------------|-----|-----|--------------|---------------|---------------|-----|-----|
| KW | 1.5 | 2.1 | 2.6 | 3.5 | 4.2 | 5.3 | 7.0 |
| Gallery | | - | - | ● MA09R NF1 | ● MA12R NF1 | - | - |
| Wall Mounted | | | | | | | |
| Mirror | | - | ● AM07BP NSJ | ○● AC09BQ NSJ | ○● AC12BQ NSJ | - | - |
| | | | | ○● AC18BQ NSK | ○● AC24BQ NSK | | |

ARTCOOL Gallery

| INDOOR | | MA09R NF1 | MA12R NF1 |
|-----------------------|-------------------|-----------------|-----------------|
| Capacity | Cooling / Heating | Nom | kW |
| Power Input | | W x No. | |
| Running Current | | A | |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 |
| Air Flow Rate | H / M / L m³/min | 7.7 / 5.9 / 4.4 | 8.9 / 7.3 / 5.6 |
| Sound Pressure | Cooling | H / M / L dB(A) | 38 / 32 / 27 |
| Sound Power | Cooling | dB(A) | 52 |
| Dehumidification Rate | | l/h | 1.2 |
| Dimensions | Body | W x H x D mm | 600 x 600 x 145 |
| Net Weight | Body | kg | 15.0 |
| Piping Connections | Liquid | mm (inch) | Ø6.35 (1/4) |
| | Gas | mm (inch) | Ø9.52 (3/8) |
| | | | Ø6.35 (1/4) |
| | | | Ø9.52 (3/8) |

ARTCOOL Mirror

| INDOOR | | AM07BP NSJ | AC09BQ NSJ | AC12BQ NSJ | AC18BQ NSK | AC24BQ NSK |
|-----------------------|-------------------|-----------------|-----------------|-----------------|-------------------|--------------------|
| Capacity | Cooling / Heating | Nom | kW | 2.1 / 2.3 | 2.5 / 3.2 | 3.5 / 3.8 |
| Power Input | | Nom | W | 17 | 18 | 19 |
| Running Current | | Nom | A | 0.14 | 0.16 | 0.17 |
| 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 m³/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 | Cooling | H / M / L dB(A) | 35 / 32 / 27 | 36 / 33 / 27 | 40 / 35 / 27 | 44 / 38 / 35 |
| Sound Power | Cooling | dB(A) | 57 | 57 | 57 | 59 |
| Dehumidification Rate | | l/h | 0.9 | 1.1 | 1.2 | 1.9 |
| Dimensions | 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 Connection | Liquid | mm (inch) | 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) | Ø12.7 (1/2) |

※ This product contains Fluorinated greenhouse gases (R32).

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

WALL MOUNTED

| KBTU/H | 5 | 7 | 9 | 12 | 15 | 18 | 24 |
|------------------|-----|-----|-----|---------------|---------------|---------------|---------------|
| KW | 1.5 | 2.1 | 2.6 | 3.5 | 4.2 | 5.3 | 7.0 |
| Silver | | - | - | ○● AC09SQ NSJ | ○● AC12SQ NSJ | - | - |
| Wall Mounted | | | | | | | |
| Air Purification | | - | - | - | - | ○● AP09RT NSJ | ○● AP12RT NSJ |
| | | | | | | | |

ARTCOOL Silver

| INDOOR | | AC09SQ NSJ | AC12SQ NSJ | AC18SQ NSK |
|-----------------------|-------------------|-----------------|-----------------|-----------------|
| Capacity | Cooling / Heating | Nom | kW | 2.5 / 3.2 |
| Power Input | | Nom | W | 18 |
| Running Current | | Nom | A | 0.16 |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Air Flow Rate | H / M / L m³/min | 9.2 / 7.4 / 5.6 | 9.6 / 8.1 / 5.6 | 9.6 / 8.1 / 5.6 |
| Sound Pressure | Cooling | H / M / L dB(A) | 36 / 33 / 27 | 40 / 35 / 27 |
| Sound Power | Cooling | dB(A) | 57 | 57 |
| Dehumidification Rate | | l/h | 1.1 | 1.2 |
| Dimension | W x H x D mm | 837 x 308 x 192 | 837 x 308 x 192 | 998 x 345 x 212 |
| Net weight | kg | 9.9 | 9.9 | 13.2 |
| Piping Connection | Liquid | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) |
| | Gas | mm (inch) | Ø9.52 (3/8) | Ø12.7 (1/2) |

Air Purification

| INDOOR | | AP09RT NSJ | AP12RT NSJ | |
|-----------------------|-------------------|-----------------|-----------------|-----------------|
| Capacity | Cooling / Heating | Nom | kW | 2.5 / 3.3 |
| Power Input | | Nom | W | 21 |
| Running Current | | Nom | A | 0.18 |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Air Flow Rate | H / M / L m³/min | 10 / 6.6 / 4.2 | 10 / 6.6 / 4.2 | 10 / 6.6 / 4.2 |
| Sound Pressure | Cooling | H / M / L dB(A) | 42 / 35 / 27 | 42 / 35 / 27 |
| Sound Power | Cooling | dB(A) | 59 | 59 |
| Dehumidification Rate | | l/h | 0.9 | 0.9 |
| Dimensions | Body | W x H x D mm | 857 x 348 x 189 | 857 x 348 x 189 |
| Net weight | Body | kg | 9.5 | 9.5 |
| Piping Connection | Liquid | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) |
| | Gas | mm (inch) | Ø9.52 (3/8) | Ø9.52 (3/8) |

※ This product contains Fluorinated greenhouse gases (R32).

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

WALL MOUNTED

| 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 NSJ DC09RQ NSJ DC12RQ NSJ DC18RQ NSK DC24RQ NSK

WALL MOUNTED

| 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 Standard Plus

PM05SP NSJ PM07SP NSJ PC09SQ NSJ PC12SQ NSK PM15SP NSJ PC18SQ NSK PC24SQ NSK

MJ05PC NSJ MJ07PC NSJ MJ09PC NSJ MJ12PC NSJ MJ15PC NSJ MJ18PC NSK MJ24PC NSK

DELUXE

| INDOOR | | DM07RP NSJ | DC09RQ NSJ | DC12RQ NSJ | DC18RQ NSK | DC24RQ NSK |
|-----------------------|-------------------------|-----------------|-----------------|-----------------|-------------------|--------------------|
| Capacity | Cooling / Heating | Nom | kW | 2.1 / 2.3 | 2.5 / 3.2 | 3.5 / 4.0 |
| Power Input | | Nom | W | 17 | 18 | 19 |
| Running Current | | Nom | A | 0.15 | 0.16 | 0.17 |
| 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 m³/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 | Cooling H / M / L dB(A) | 35 / 31 / 26 | 36 / 32 / 27 | 38 / 34 / 29 | 44 / 38 / 34 | 47 / 41 / 36 |
| Sound Power | Cooling 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 Connection | Liquid mm (inch) | 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) | Ø12.7 (1/2) | Ø12.7 (1/2) |

STANDARD PLUS

| INDOOR | | PM05SP NSJ | PM07SP NSJ | PC09SQ NSJ | PC12SQ NSK | PM15SP NSJ | PC18SQ NSK | PC24SQ 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 |
| Power Input | | Nom | W | 16 | 17 | 18 | 19 | 21 |
| Running Current | | Nom | A | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 |
| 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 m³/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 | 100/85/61 | 142/113/99 | 152/127/102 |
| 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 | 998 x 345 x 210 | 998 x 345 x 210 |
| Net weight | kg | 7.4 | 7.4 | 8.7 | 8.7 | 8.7 | 12.0 | 12.8 |
| Piping Connection | Liquid mm (inch) | Ø6.35 (1/4) |
| | Gas mm (inch) | Ø9.52 (3/8) | Ø12.7 (1/2) | Ø12.7 (1/2) |

| INDOOR | | MJ05PC NSJ | MJ07PC NSJ | MJ09PC NSJ | MJ12PC NSK | 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 |
| Power Input | | Nom | W | 16 | 17 | 18 | 19 | 21 |
| Running Current | | Nom | A | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 |
| 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 m³/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 | 100/85/61 | 142/113/99 | 152/127/102 |
| 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 | 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 Connection | Liquid mm (inch) | Ø6.35 (1/4) |
| | Gas mm (inch) | Ø9.52 (3/8) | Ø12.7 (1/2) | Ø12.7 (1/2) |

WALL MOUNTED



| 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 | Standard2 | | - | MS07ET NSJ | S09ET NSJ | S12ET NSJ | - | S18ET NSK | S24ET NSK |
| | | | NEW | | | | | | |

Standard 2

| INDOOR | | MS07ET NSJ | S09ET NSJ | S12ET NSJ | S18ET NSJ | S24ET NSJ | | |
|-----------------------|-------------------|------------|-----------|-----------------|-----------------|-----------------|-------------------|--------------------|
| 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 | m³/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 | Cooling | H / M / L | dB(A) | 35 / 32 / 27 | 36 / 33 / 27 | 40 / 35 / 27 | 44 / 38 / 35 | 46 / 41 / 36 |
| Sound Power | Cooling | dB(A) | | 57 | 57 | 57 | 59 | 65 |
| Dehumidification Rate | | l/h | | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 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 | | 8.7 | 8.7 | 8.7 | 11.9 | 12.7 |
| 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) |
| | Gas | mm (inch) | | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø12.7 (1/2) | Ø12.7 (1/2) |

CEILING MOUNTED



| KBTU/H | | 5 | 7 | 9 | 12 | 15 | 18 | 24 | |
|--------------------------|----------------|-----|-----------|-----------|-----------|-----------|-----|-----------|-----------|
| KW | | 1.5 | 2.1 | 2.6 | 3.5 | 4.2 | 5.3 | 7.0 | |
| Ceiling Mounted Cassette | 1 Way Cassette | | - | - | - | - | - | - | |
| | | | | MT09R NU1 | MT11R NU1 | - | - | - | |
| 4 Way Cassette | NEW | | MT06R NRO | MT08R NRO | CT09F NRO | CT12F NRO | - | CT18F NQO | CT24F NBO |

※ Dual vane is applied to 24k (4 Way cassette)

1 Way Cassette

| INDOOR | | MT09R NU1 | MT11R NU1 | | |
|-----------------------|-------------------|-----------|-----------|------------------------|------------------------|
| Capacity | Cooling / Heating | Nom | kW | 2.6 / 2.9 | 3.5 / 3.9 |
| Power Input | | Nom | W | 20 | 20 |
| Running Current | | Nom | A | 0.2 | 0.2 |
| Power Supply | | Ø, V, Hz | | 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 |
| Sound Pressure | Cooling | H / M / L | dB(A) | 36 / 34 / 32 | 37 / 36 / 33 |
| Sound Power | Cooling | Max | dB(A) | 54 | 57 |
| Dehumidification Rate | | l/h | | 1.1 | 1.2 |
| Dimensions | Body | W x H x D | mm | 860 x 132 x 450 | 860 x 132 x 450 |
| Net Weight | Body | | kg | 13.5 | 13.5 |
| Piping Connection | Liquid | mm (inch) | | Ø6.35 (1/4) | Ø6.35 (1/4) |
| | Gas | mm (inch) | | Ø9.52 (3/8) | Ø9.52 (3/8) |
| | Model | | | PT-UUC1 | PT-UUC1 |
| Decoration Panel | Color | | | Morning Fog (RAL120-4) | Morning Fog (RAL120-4) |
| | Dimensions | W x H x D | mm | 1,100 x 34 x 500 | 1,100 x 34 x 500 |
| | Weight | | kg | 4.4 | 4.4 |

4 Way Cassette

| INDOOR | | MT06R NRO | MT08R NRO | CT09F NRO | CT12F NRO | CT18F NQO | CT24F NBO |
|-----------------------|-------------------|-----------|-----------|-----------------|-----------------|-------------------------|-----------------|
| Capacity | Cooling / Heating | Nom | kW | 1.5 / 1.6 | 2.1 / 2.3 | 2.6 / 2.9 | 3.5 / 3.9 |
| Power Input | | Nom | W | 20 | 20 | 20 | 40 |
| Running Current | | Nom | A | 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 |
| Air Flow Rate | | H / M / L | m³/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 |
| Sound Pressure | | H / M / L | dB(A) | 31 / 27 / 24 | 31 / 27 / 24 | 36 / 33 / 30 | 38 / 35 / 32 |
| Sound Power | | dB(A) | | 48 | 48 | 52 | 57 |
| Dehumidification Rate | | l/h | | - | - | 0.9 | 1.4 |
| Dimensions | Body | 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 |
| Net weight | Body | | kg | 14.0 | 14.0 | 14.0 | 14.3 |
| Piping Connection | Liquid | mm (inch) | | 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) | Ø12.7 (1/2) |
| | Model | | | PT-QCHW0 | PT-QCHW0 | PT-QCHW0 | PT-QCHW0 |
| Decoration Panel | Color | | | | | Morning Fog (RAL 120-4) | White |
| | 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 |
| | Weight | | kg | 3.0 | 3.0 | 3.0 | 7.1 |

CEILING CONCEALED DUCT



| | 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 |  NEW | - | - | - | - | ●○ CM18F N10 | ●○ CM24F N10 | |
| Ceiling Concealed Duct Low Static Pressure |  NEW | - | ●○ CL09F N50 | ●○ CL12F N50 | - | ●○ CL18F N60 | - | |
| |  NEW | - | - | - | ●○ CL24F N30 | - | - | |

Duct (Mid Static)

| | MODEL NAME | CM18F N10 | CM24F N10 |
|--------------------------|-----------------------|--------------------|--------------------|
| Capacity | Cooling / Heating | Nom kW | 5.3 / 5.8 |
| Power Input | H / M / L W | 150 / 130 / 110 | 180 / 150 / 130 |
| Running Current | H / M / L A | 0.85 / 0.76 / 0.67 | 0.98 / 0.85 / 0.76 |
| 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 | H / M / L dB(A) | 34 / 32 / 30 | 35 / 34 / 32 |
| Sound Power Level | Rated dB(A) | 59 | 60 |
| Dehumidification Rate | l/h | 1.5 | 2.5 |
| Dimensions | W x H x D mm | 900 x 270 x 700 | 900 x 270 x 700 |
| Net Weight | kg | 24.6 | 24.6 |
| Piping Connections | Liquid Side mm (inch) | Ø 6.35 (1/4) | Ø 9.52 (3/8) |
| | Gas Side mm (inch) | Ø 12.7 (1/2) | Ø 15.88 (5/8) |
| External static pressure | Min ~ Max Pa(mmAq) | 58.8 (6) | 58.8 (6) |

Duct (Low Static)

| | MODEL NAME | CL09F N50 | CL12F N50 | CL18F N60 | CL24F N30 |
|--------------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|
| Capacity | Cooling / Heating | Nom kW | 2.5 / 3.2 | 3.4 / 4.0 | 5.0 / 5.8 |
| Power Input | H / M / L W | 21 / 15 / 13 | 21 / 15 / 13 | 100 / 90 / 80 | 150 / 130 / 110 |
| Running Current | H / M / L A | 0.21 / 0.16 / 0.14 | 0.21 / 0.16 / 0.14 | 0.43 / 0.39 / 0.34 | 0.65 / 0.56 / 0.47 |
| 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 | 11.5 / 9.5 / 8.0 | 11.5 / 9.5 / 8.0 | 15.0 / 12.0 / 10.0 | 20.0 / 16.0 / 12.0 |
| Sound Pressure | H / M / L dB(A) | 35 / 30 / 27 | 35 / 30 / 27 | 34 / 31 / 29 | 39 / 35 / 32 |
| Sound Power Level | Rated dB(A) | 55 | 55 | 56 | 58 |
| Dehumidification Rate | l/h | 0.5 | 0.9 | 1.7 | 2.5 |
| Dimensions | W x H x D mm | 900 x 190 x 460 | 900 x 190 x 460 | 1,100 x 190 x 460 | 1,100 x 190 x 700 |
| Net Weight | kg | 18.0 | 18.0 | 20.9 | 26.0 |
| Piping Connections | Liquid Side mm (inch) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 9.52 (3/8) |
| | Gas Side mm (inch) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 12.7 (1/2) | Ø 15.88 (5/8) |
| External static pressure | Min ~ Max Pa(mmAq) | 0 ~ 5 (0 ~ 50) | 0 ~ 5 (0 ~ 50) | 0 ~ 5 (0 ~ 50) | 0 ~ 5 (0 ~ 50) |

NOTE

COMBINATION TABLE



MU2R15

| Operation | Cooling | | | | | Total Capacity | | | Input(W) | | | | | |
|-----------|---------|--------|--------|--------|-------|----------------|------|--------|----------|--------|------|-----|-------|-------|
| | Min | | Rated | | Max | | | | | | | | | |
| | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | Btu/h | kW | Btu/h | kW | Btu/h | kW | Min | Rated | Max |
| 1 UNIT | 5 | | | | 5 | 3,000 | 0.88 | 5,000 | 1.47 | 5,750 | 1.69 | 226 | 381 | 477 |
| | 7 | | | | 7 | 4,200 | 1.23 | 7,000 | 2.05 | 8,050 | 2.36 | 303 | 540 | 683 |
| | 9 | | | | 9 | 5,400 | 1.58 | 9,000 | 2.64 | 10,350 | 3.03 | 408 | 676 | 864 |
| | 12 | | | | 12 | 7,200 | 2.11 | 12,000 | 3.52 | 13,800 | 4.04 | 540 | 926 | 1,176 |
| | 5 | 5 | | | 10 | 6,000 | 1.76 | 10,000 | 2.93 | 11,500 | 3.37 | 414 | 682 | 889 |
| | 5 | 7 | | | 12 | 7,200 | 2.11 | 12,000 | 3.52 | 13,800 | 4.04 | 486 | 833 | 1,106 |
| 2 UNIT | 5 | 9 | | | 14 | 8,400 | 2.46 | 14,000 | 4.10 | 16,100 | 4.72 | 583 | 988 | 1,376 |
| | 7 | 7 | | | 14 | 8,400 | 2.46 | 14,000 | 4.10 | 16,100 | 4.72 | 583 | 988 | 1,376 |
| | 7 | 9 | | | 16 | 8,400 | 2.46 | 14,000 | 4.10 | 16,100 | 4.72 | 583 | 988 | 1,376 |
| | 5 | 12 | | | 17 | 8,400 | 2.46 | 14,000 | 4.10 | 16,100 | 4.72 | 583 | 988 | 1,376 |
| | 9 | 9 | | | 18 | 8,400 | 2.46 | 14,000 | 4.10 | 16,100 | 4.72 | 583 | 988 | 1,376 |
| | 7 | 12 | | | 19 | 8,400 | 2.46 | 14,000 | 4.10 | 16,100 | 4.72 | 583 | 988 | 1,376 |
| | 9 | 12 | | | 21 | 8,400 | 2.46 | 14,000 | 4.10 | 16,100 | 4.72 | 583 | 988 | 1,376 |

| Operation | Heating | | | | | Total Capacity | | | Input(W) | | | | | |
|-----------|---------|--------|--------|--------|-------|----------------|------|--------|----------|--------|------|-----|-------|-------|
| | Min | | Rated | | Max | | | | | | | | | |
| | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | Btu/h | kW | Btu/h | kW | Btu/h | kW | Min | Rated | Max |
| 1 UNIT | 5 | | | | 5 | 3,300 | 0.97 | 5,500 | 1.61 | 6,050 | 1.77 | 235 | 380 | 472 |
| | 7 | | | | 7 | 5,040 | 1.48 | 8,400 | 2.46 | 9,240 | 2.71 | 355 | 604 | 721 |
| | 9 | | | | 9 | 6,480 | 1.90 | 10,800 | 3.17 | 11,880 | 3.48 | 454 | 784 | 949 |
| | 12 | | | | 12 | 7,920 | 2.32 | 13,200 | 3.87 | 14,520 | 4.26 | 554 | 969 | 1,185 |
| | 5 | 5 | | | 10 | 6,600 | 1.93 | 11,000 | 3.22 | 12,100 | 3.55 | 408 | 706 | 854 |
| | 5 | 7 | | | 12 | 7,920 | 2.32 | 13,200 | 3.87 | 14,520 | 4.26 | 498 | 872 | 1,066 |
| 2 UNIT | 5 | 9 | | | 14 | 9,600 | 2.81 | 16,000 | 4.69 | 18,400 | 5.39 | 613 | 1,066 | 1,433 |
| | 7 | 7 | | | 14 | 9,600 | 2.81 | 16,000 | 4.69 | 18,400 | 5.39 | 613 | 1,066 | 1,433 |
| | 7 | 9 | | | 16 | 9,600 | 2.81 | 16,000 | 4.69 | 18,400 | 5.39 | 613 | 1,066 | 1,433 |
| | 5 | 12 | | | 17 | 9,600 | 2.81 | 16,000 | 4.69 | 18,400 | 5.39 | 613 | 1,066 | 1,433 |
| | 9 | 9 | | | 18 | 9,600 | 2.81 | 16,000 | 4.69 | 18,400 | 5.39 | 613 | 1,066 | 1,433 |
| | 7 | 12 | | | 19 | 9,600 | 2.81 | 16,000 | 4.69 | 18,400 | 5.39 | 613 | 1,066 | 1,433 |
| | 9 | 12 | | | 21 | 9,600 | 2.81 | 16,000 | 4.69 | 18,400 | 5.39 | 613 | 1,066 | 1,433 |

COMBINATION TABLE



MU2R17

| Operation | Cooling | | | | | Total Capacity | | | Input(W) | | | | | |
|-----------|---------|--------|--------|--------|-------|----------------|------|--------|----------|--------|------|-----|-------|-------|
| | Min | | Rated | | Max | | | | | | | | | |
| | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | Btu/h | kW | Btu/h | kW | Btu/h | kW | Min | Rated | Max |
| 1 UNIT | 5 | | | | 5 | 3,000 | 0.88 | 5,000 | 1.47 | 5,750 | 1.69 | 226 | 381 | 477 |
| | 7 | | | | 7 | 4,200 | 1.23 | 7,000 | 2.05 | 8,050 | 2.36 | 303 | 540 | 683 |
| | 9 | | | | 9 | 5,400 | 1.58 | 9,000 | 2.64 | 10,350 | 3.03 | 408 | 676 | 864 |
| | 12 | | | | 12 | 7,200 | 2.11 | 12,000 | 3.52 | 13,800 | 4.04 | 540 | 926 | 1,176 |
| | 5 | 5 | | | 10 | 6,000 | 1.76 | 10,000 | 2.93 | 11,500 | 3.37 | 414 | 682 | 889 |
| | 5 | 7 | | | 12 | 7,200 | 2.11 | 12,000 | 3.52 | 13,800 | 4.04 | 486 | 833 | 1,106 |
| 2 UNIT | 5 | 9 | | | 14 | 8,400 | 2.46 | 14,000 | 4.10 | 16,100 | 4.72 | 583 | 988 | 1,376 |
| | 7 | 7 | | | 14 | 8,400 | 2.46 | 14,000 | 4.10 | 16,100 | 4.72 | 583 | 988 | 1,376 |
| | 7 | 9 | | | 16 | 8,400 | 2.46 | 14,000 | 4.10 | 16,100 | 4.72 | 583 | 988 | 1,376 |
| | 5 | 12 | | | 17 | 8,400 | 2.46 | 14,000 | 4.10 | 16,100 | 4.72 | 583 | 988 | 1,376 |
| | 9 | 9 | | | 18 | 8,400 | 2.46 | 14,000 | 4.10 | 16,100 | 4.72 | 583 | 988 | 1,376 |
| | 7 | 12 | | | 19 | 8,400 | 2.46 | 14,000 | 4.10 | 16,100 | 4.72 | 583 | 988 | 1,376 |
| | 9 | 12 | | | 21 | 8,400 | 2.46 | 14,000 | 4.10 | 16,100 | 4.72 | 583 | 988 | 1,376 |

| Operation | Heating | | | | | Total Capacity | | | Input(W) | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Min | | Rated | | Max | |
| UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | Btu/h | kW | Btu/h | kW | Btu/h | kW | Min | Rated | Max |

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COMBINATION TABLE



MU3R19

| Operation | Cooling | | | | | Input(W) | | | | | | | | |
|-----------|----------------|--------|--------|-------|-------|----------|-------|--------|-------|--------|------|-------|-------|-------|
| | Total Capacity | | | | | | | | | | | | | |
| | Min | | Rated | | Max | | | | | | | | | |
| UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | Btu/h | kW | Btu/h | kW | Btu/h | kW | Min | Rated | Max | |
| 1 UNIT | 5 | — | — | — | 5 | 3,600 | 1.06 | 5,000 | 1.47 | 6,000 | 1.76 | 288 | 363 | 571 |
| | 7 | — | — | — | 7 | 4,200 | 1.23 | 7,000 | 2.05 | 8,400 | 2.46 | 319 | 478 | 645 |
| | 9 | — | — | — | 9 | 5,400 | 1.58 | 9,000 | 2.64 | 10,800 | 3.17 | 378 | 595 | 847 |
| | 12 | — | — | — | 12 | 7,200 | 2.11 | 12,000 | 3.52 | 14,400 | 4.22 | 478 | 822 | 1,139 |
| | 15 | — | — | — | 15 | 8,520 | 2.50 | 15,000 | 4.40 | 17,040 | 4.99 | 573 | 1,003 | 1,356 |
| | 18 | — | — | — | 18 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 747 | 1,302 | 1,827 |
| | 5 | 5 | — | — | 10 | 7,200 | 2.11 | 10,000 | 2.93 | 12,000 | 3.52 | 350 | 532 | 788 |
| | 5 | 7 | — | — | 12 | 7,200 | 2.11 | 12,000 | 3.52 | 14,400 | 4.22 | 350 | 669 | 991 |
| | 5 | 9 | — | — | 14 | 8,400 | 2.46 | 14,000 | 4.10 | 16,800 | 4.92 | 408 | 821 | 1,215 |
| | 7 | 7 | — | — | 14 | 8,400 | 2.46 | 14,000 | 4.10 | 16,800 | 4.92 | 408 | 821 | 1,215 |
| 2 UNIT | 7 | 9 | — | — | 16 | 9,600 | 2.81 | 16,000 | 4.69 | 19,200 | 5.63 | 469 | 991 | 1,467 |
| | 5 | 12 | — | — | 17 | 10,200 | 2.99 | 17,000 | 4.98 | 20,400 | 5.98 | 532 | 1,083 | 1,603 |
| | 9 | 9 | — | — | 18 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 599 | 1,182 | 2,040 |
| | 7 | 12 | — | — | 19 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 599 | 1,182 | 2,040 |
| | 5 | 15 | — | — | 20 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 599 | 1,182 | 2,040 |
| | 9 | 12 | — | — | 21 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 599 | 1,182 | 2,040 |
| | 7 | 15 | — | — | 22 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 599 | 1,182 | 2,040 |
| | 5 | 18 | — | — | 23 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 599 | 1,182 | 2,040 |
| | 9 | 15 | — | — | 24 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 599 | 1,182 | 2,040 |
| | 12 | 12 | — | — | 24 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 599 | 1,182 | 2,040 |
| 3 UNIT | 7 | 18 | — | — | 25 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 599 | 1,182 | 2,040 |
| | 9 | 18 | — | — | 27 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 599 | 1,182 | 2,040 |
| | 12 | 15 | — | — | 27 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 599 | 1,182 | 2,040 |
| | 5 | 24 | — | — | 29 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 599 | 1,182 | 2,040 |
| | 12 | 18 | — | — | 30 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 599 | 1,182 | 2,040 |
| | 15 | 15 | — | — | 30 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 599 | 1,182 | 2,040 |
| | 5 | 5 | 5 | — | 15 | 9,000 | 2.64 | 15,000 | 4.40 | 18,000 | 5.28 | 422 | 837 | 1,239 |
| | 5 | 5 | 7 | — | 17 | 10,200 | 2.99 | 17,000 | 4.98 | 20,400 | 5.98 | 481 | 1,013 | 1,500 |
| | 5 | 5 | 9 | — | 19 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 5 | 7 | 7 | — | 19 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| 3 UNIT | 5 | 7 | 9 | — | 21 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 7 | 7 | 7 | — | 21 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 5 | 5 | 12 | — | 22 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 5 | 9 | 9 | — | 23 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 7 | 7 | 9 | — | 23 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 5 | 7 | 12 | — | 24 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 5 | 5 | 15 | — | 25 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 7 | 9 | 9 | — | 25 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 5 | 9 | 12 | — | 26 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 7 | 7 | 12 | — | 26 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| 3 UNIT | 5 | 7 | 15 | — | 27 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 9 | 9 | 9 | — | 27 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 7 | 9 | 12 | — | 28 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 5 | 5 | 18 | — | 28 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 5 | 9 | 15 | — | 29 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 5 | 12 | 12 | — | 29 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 7 | 7 | 15 | — | 29 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 5 | 7 | 18 | — | 30 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |
| | 9 | 9 | 12 | — | 30 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 544 | 1,111 | 1,918 |

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

COMBINATION TABLE



| Operation | Heating | |
|-----------|---------|--|
|-----------|---------|--|

COMBINATION TABLE



MU3R21

| Operation | Cooling | | | | | Heating | | | | | | | | | | | | | | | | | | |
|-----------|---|--------|--------|--------|-------|----------------|------|--------|----------|--------|----------------|-----|-------|----------|-------|--------|-------|--------|-------|--------|------|-------|-------|-------|
| | Combination of Indoor Unit (kBtu/h Class) | | | | | Total Capacity | | | Input(W) | | Total Capacity | | | Input(W) | | | | | | | | | | |
| | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | Btu/h | kW | Btu/h | kW | Btu/h | kW | Min | Rated | Max | Btu/h | kW | Btu/h | kW | Btu/h | kW | Min | Rated | Max | |
| 1 UNIT | 5 | | | | 5 | 3,600 | 1.06 | 5,000 | 1.47 | 6,000 | 1.76 | 288 | 363 | 571 | 5 | 4,000 | 1.17 | 5,500 | 1.61 | 6,325 | 1.85 | 279 | 384 | 589 |
| | 7 | | | | 7 | 4,200 | 1.23 | 7,000 | 2.05 | 8,400 | 2.46 | 319 | 478 | 645 | 7 | 5,040 | 1.48 | 8,400 | 2.46 | 9,660 | 2.83 | 342 | 579 | 743 |
| | 9 | | | | 9 | 5,400 | 1.58 | 9,000 | 2.64 | 10,800 | 3.17 | 378 | 595 | 847 | 9 | 6,480 | 1.90 | 10,800 | 3.17 | 12,420 | 3.64 | 483 | 757 | 997 |
| | 12 | | | | 12 | 7,200 | 2.11 | 12,000 | 3.52 | 14,400 | 4.22 | 478 | 822 | 1,139 | 12 | 7,920 | 2.32 | 13,200 | 3.87 | 15,180 | 4.45 | 537 | 954 | 1,234 |
| | 15 | | | | 15 | 8,520 | 2.50 | 15,000 | 4.40 | 17,040 | 4.99 | 573 | 1,003 | 1,356 | 15 | 9,900 | 2.90 | 16,500 | 4.84 | 18,975 | 5.56 | 688 | 1,189 | 1,593 |
| | 18 | | | | 18 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 747 | 1,302 | 1,827 | 18 | 11,880 | 3.48 | 19,800 | 5.80 | 22,770 | 6.67 | 845 | 1,483 | 1,978 |
| | 5 | 5 | | | 10 | 7,200 | 2.11 | 10,000 | 2.93 | 12,000 | 3.52 | 350 | 532 | 788 | 5 | 7,200 | 2.11 | 12,000 | 3.52 | 14,400 | 4.22 | 329 | 598 | 861 |
| | 5 | 7 | | | 12 | 7,200 | 2.11 | 12,000 | 3.52 | 14,400 | 4.22 | 350 | 669 | 991 | 7 | 8,640 | 2.53 | 14,400 | 4.22 | 17,280 | 5.06 | 430 | 904 | 1,301 |
| | 5 | 9 | | | 14 | 8,400 | 2.46 | 14,000 | 4.10 | 16,800 | 4.92 | 408 | 821 | 1,215 | 9 | 10,080 | 2.95 | 16,800 | 4.92 | 20,160 | 5.91 | 484 | 945 | 1,360 |
| | 7 | 7 | | | 14 | 8,400 | 2.46 | 14,000 | 4.10 | 16,800 | 4.92 | 408 | 821 | 1,215 | 14 | 10,080 | 2.95 | 16,800 | 4.92 | 20,160 | 5.91 | 484 | 945 | 1,360 |
| 2 UNIT | 7 | 9 | | | 16 | 9,600 | 2.81 | 16,000 | 4.69 | 19,200 | 5.63 | 469 | 991 | 1,467 | 15 | 11,520 | 3.38 | 19,200 | 5.63 | 23,040 | 6.75 | 540 | 1,118 | 1,610 |
| | 5 | 12 | | | 17 | 10,200 | 2.99 | 17,000 | 4.98 | 20,400 | 5.98 | 532 | 1,083 | 1,603 | 12 | 12,240 | 3.59 | 20,400 | 5.98 | 24,480 | 7.17 | 598 | 1,319 | 1,899 |
| | 9 | 9 | | | 18 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 599 | 1,182 | 1,890 | 18 | 12,960 | 3.80 | 21,600 | 6.33 | 25,920 | 7.60 | 660 | 1,430 | 2,059 |
| | 7 | 12 | | | 19 | 11,400 | 3.34 | 19,000 | 5.57 | 22,800 | 6.68 | 669 | 1,290 | 2,064 | 19 | 13,680 | 4.01 | 22,800 | 6.68 | 26,600 | 7.80 | 725 | 1,543 | 2,221 |
| | 5 | 15 | | | 20 | 12,000 | 3.52 | 20,000 | 5.86 | 24,000 | 7.03 | 669 | 1,406 | 2,249 | 20 | 14,400 | 4.22 | 24,000 | 7.03 | 26,600 | 7.80 | 764 | 1,662 | 2,380 |
| | 9 | 12 | | | 21 | 12,600 | 3.69 | 21,000 | 6.15 | 24,150 | 7.08 | 743 | 1,530 | 2,450 | 21 | 14,400 | 4.22 | 24,000 | 7.03 | 26,600 | 7.80 | 764 | 1,662 | 2,380 |
| | 7 | 15 | | | 22 | 12,600 | 3.69 | 21,000 | 6.15 | 24,150 | 7.08 | 743 | 1,530 | 2,450 | 15 | 14,400 | 4.22 | 24,000 | 7.03 | 26,600 | 7.80 | 764 | 1,662 | 2,380 |
| | 5 | 18 | | | 23 | 12,600 | 3.69 | 21,000 | 6.15 | 24,150 | 7.08 | 743 | 1,530 | 2,450 | 18 | 14,400 | 4.22 | 24,000 | 7.03 | 26,600 | 7.80 | 764 | 1,662 | 2,380 |
| | 9 | 15 | | | 24 | 12,600 | 3.69 | 21,000 | 6.15 | 25,000 | 7.33 | 743 | 1,530 | 2,450 | 24 | 14,400 | 4.22 | 24,000 | 7.03 | 26,600 | 7.80 | 764 | 1,662 | 2,380 |
| | 12 | 12 | | | 24 | 12,600 | 3.69 | 21,000 | 6.15 | 25,000 | 7.33 | 743 | 1,530 | 2,450 | 12 | 14,400 | 4.22 | 24,000 | 7.03 | 26,600 | 7.80 | 764 | 1,662 | 2,380 |
| 3 UNIT | 7 | 18 | | | 25 | 12,600 | 3.69 | 21,000 | 6.15 | 25,000 | 7.33 | 743 | 1,530 | 2,450 | 18 | 14,400 | 4.22 | 24,000 | 7.03 | 26,600 | 7.80 | 764 | 1,662 | 2,380 |
| | 9 | 18 | | | 27 | 12,600 | 3.69 | 21,000 | 6.15 | 25,000 | 7.33 | 743 | 1,530 | 2,450 | 18 | 14,400 | 4.22 | 24,000 | 7.03 | 26,600 | 7.80 | 764 | 1,662 | 2,380 |
| | 12 | 15 | | | 27 | 12,600 | 3.69 | 21,000 | 6.15 | 25,000 | 7.33 | 743 | 1,530 | 2,450 | 15 | 14,400 | 4.22 | 24,000 | 7.03 | 26,600 | 7.80 | 764 | 1,662 | 2,380 |
| | 5 | 24 | | | 29 | 12,600 | 3.69 | 21,000 | 6.15 | 25,000 | 7.33 | 743 | 1,530 | 2,450 | 29 | 14,400 | 4.22 | 24,000 | 7.03 | 26,600 | 7.80 | 764 | 1,662 | 2,380 |
| | 12 | 18 | | | 30 | 12,600 | 3.69 | 21,000 | 6.15 | 25,000 | 7.33 | 743 | 1,530 | 2,450 | 30 | 14,400 | 4.22 | 24,000 | 7.03 | 26,600 | 7.80 | 764 | 1,662 | 2,380 |
| | 15 | 15 | | | 30 | 12,600 | 3.69 | 21,000 | 6.15 | 25,000 | 7.33 | 743 | 1,530 | 2,450 | 30 | 14,400 | 4.22 | 24,000 | 7.03 | 26,600 | 7.80 | 764 | 1,662 | 2,380 |
| | 7 | 24 | | | 31 | 12,600 | 3.69 | 21,000 | 6.15 | 25,000 | 7.33 | 743 | 1,530 | 2,450 | 24 | 14,400 | 4.22 | 24,000 | 7.03 | 26,600 | 7.80 | 764 | 1,662 | 2,380 |
| | 9 | 24 | | | 33 | 12,600 | 3.69 | 21,000 | 6.15 | 25,000 | 7.33 | 743 | 1,530 | 2,450 | 33 | 14,400 | 4.22 | 24,000 | 7.03 | 26,600 | 7.80 | 764 | 1,662 | 2,380 |
| | 15 | 18 | | | 33 | 12,600 | 3.69 | 21,000 | 6.15 | 25,000 | 7.33 | 743 | 1,530 | 2,450 | 33 | 14,400 | 4.22 | 24,000 | 7.03 | 26,600 | 7.80 | 764 | 1,662 | 2,380 |
| | 5 | 5 | 5 | | 15 | 9,000 | 2.64 | 15,000 | 4.40 | 18,000 | 5.28 | 422 | 837 | 1,239 | 15 | 10,800 | 3.17 | 18,00 | | | | | | |

COMBINATION TABLE



MU4R25

| Operation | Cooling | | | | | | | | | | | | | |
|-----------|---|--------|--------|-------|-------|----------------|-------|--------|----------|--------|------|-------|-------|-------|
| | Combination of Indoor Unit (kBtu/h Class) | | | | | Total Capacity | | | Input(W) | | | | | |
| | Min | | Rated | | Max | | Min | Rated | Max | | | | | |
| UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | Btu/h | kW | Btu/h | kW | Btu/h | kW | Min | Rated | Max | |
| 1 UNIT | 5 | — | — | — | 5 | 3,600 | 1.06 | 5,000 | 1.47 | 6,000 | 1.76 | 288 | 363 | 571 |
| | 7 | — | — | — | 7 | 4,200 | 1.23 | 7,000 | 2.05 | 8,400 | 2.46 | 319 | 478 | 645 |
| | 9 | — | — | — | 9 | 5,400 | 1.58 | 9,000 | 2.64 | 10,800 | 3.17 | 378 | 595 | 847 |
| | 12 | — | — | — | 12 | 7,200 | 2.11 | 12,000 | 3.52 | 14,400 | 4.22 | 478 | 822 | 1,139 |
| | 15 | — | — | — | 15 | 8,520 | 2.50 | 15,000 | 4.40 | 17,040 | 4.99 | 573 | 1,003 | 1,356 |
| | 18 | — | — | — | 18 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 747 | 1,302 | 1,827 |
| | 5 | 5 | — | — | 10 | 7,200 | 2.11 | 10,000 | 2.93 | 12,000 | 3.52 | 350 | 532 | 788 |
| | 5 | 7 | — | — | 12 | 7,200 | 2.11 | 12,000 | 3.52 | 14,400 | 4.22 | 350 | 669 | 991 |
| | 5 | 9 | — | — | 14 | 8,400 | 2.46 | 14,000 | 4.10 | 16,800 | 4.92 | 408 | 821 | 1,215 |
| | 7 | 7 | — | — | 14 | 8,400 | 2.46 | 14,000 | 4.10 | 16,800 | 4.92 | 408 | 821 | 1,215 |
| 2 UNIT | 7 | 9 | — | — | 16 | 9,600 | 2.81 | 16,000 | 4.69 | 19,200 | 5.63 | 469 | 991 | 1,467 |
| | 5 | 12 | — | — | 17 | 10,200 | 2.99 | 17,000 | 4.98 | 20,400 | 5.98 | 532 | 1,083 | 1,603 |
| | 9 | 9 | — | — | 18 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 599 | 1,182 | 1,749 |
| | 7 | 12 | — | — | 19 | 11,400 | 3.34 | 19,000 | 5.57 | 22,800 | 6.68 | 669 | 1,290 | 1,909 |
| | 5 | 15 | — | — | 20 | 12,000 | 3.52 | 20,000 | 5.86 | 24,000 | 7.03 | 669 | 1,406 | 2,080 |
| | 9 | 12 | — | — | 21 | 12,600 | 3.69 | 21,000 | 6.15 | 24,150 | 7.08 | 743 | 1,530 | 2,264 |
| | 7 | 15 | — | — | 22 | 13,200 | 3.87 | 22,000 | 6.45 | 25,300 | 7.42 | 743 | 1,638 | 2,425 |
| | 5 | 18 | — | — | 23 | 13,800 | 4.04 | 23,000 | 6.74 | 26,450 | 7.75 | 821 | 1,752 | 2,593 |
| | 9 | 15 | — | — | 24 | 14,400 | 4.22 | 24,000 | 7.03 | 27,000 | 7.91 | 904 | 1,871 | 2,770 |
| | 12 | 12 | — | — | 24 | 14,400 | 4.22 | 24,000 | 7.03 | 27,000 | 7.91 | 904 | 1,871 | 2,770 |
| 3 UNIT | 7 | 18 | — | — | 25 | 14,400 | 4.22 | 24,000 | 7.03 | 27,000 | 7.91 | 904 | 1,871 | 2,770 |
| | 9 | 18 | — | — | 27 | 14,400 | 4.22 | 24,000 | 7.03 | 27,000 | 7.91 | 904 | 1,871 | 2,770 |
| | 12 | 15 | — | — | 27 | 14,400 | 4.22 | 24,000 | 7.03 | 27,000 | 7.91 | 904 | 1,871 | 2,770 |
| | 5 | 24 | — | — | 29 | 14,400 | 4.22 | 24,000 | 7.03 | 27,000 | 7.91 | 904 | 1,871 | 2,770 |
| | 12 | 18 | — | — | 30 | 14,400 | 4.22 | 24,000 | 7.03 | 27,000 | 7.91 | 904 | 1,871 | 2,770 |
| | 15 | 15 | — | — | 30 | 14,400 | 4.22 | 24,000 | 7.03 | 27,000 | 7.91 | 904 | 1,871 | 2,770 |
| | 7 | 24 | — | — | 31 | 14,400 | 4.22 | 24,000 | 7.03 | 27,000 | 7.91 | 904 | 1,871 | 2,770 |
| | 9 | 24 | — | — | 33 | 14,400 | 4.22 | 24,000 | 7.03 | 27,000 | 7.91 | 904 | 1,871 | 2,770 |
| | 15 | 18 | — | — | 33 | 14,400 | 4.22 | 24,000 | 7.03 | 27,000 | 7.91 | 904 | 1,871 | 2,770 |
| | 18 | 18 | — | — | 36 | 14,400 | 4.22 | 24,000 | 7.03 | 27,000 | 7.91 | 904 | 1,871 | 2,770 |
| 4 UNIT | 12 | 24 | — | — | 36 | 14,400 | 4.22 | 24,000 | 7.03 | 27,000 | 7.91 | 904 | 1,871 | 2,770 |
| | 15 | 24 | — | — | 39 | 14,400 | 4.22 | 24,000 | 7.03 | 27,000 | 7.91 | 904 | 1,871 | 2,770 |
| | 5 | 5 | 5 | — | 15 | 9,000 | 2.64 | 15,000 | 4.40 | 18,000 | 5.28 | 422 | 837 | 1,239 |
| | 5 | 5 | 7 | — | 17 | 10,200 | 2.99 | 17,000 | 4.98 | 20,400 | 5.98 | 481 | 1,013 | 1,500 |
| | 5 | 5 | 9 | — | 19 | 11,400 | 3.34 | 19,000 | 5.57 | 22,800 | 6.68 | 544 | 1,212 | 1,794 |
| | 5 | 7 | 7 | — | 19 | 11,400 | 3.34 | 19,000 | 5.57 | 22,800 | 6.68 | 544 | 1,212 | 1,794 |
| | 5 | 7 | 9 | — | 21 | 12,600 | 3.69 | 21,000 | 6.15 | 25,200 | 7.39 | 682 | 1,438 | 2,128 |
| | 7 | 7 | 7 | — | 21 | 12,600 | 3.69 | 21,000 | 6.15 | 25,200 | 7.39 | 682 | 1,438 | 2,128 |
| | 5 | 5 | 12 | — | 22 | 13,200 | 3.87 | 22,000 | 6.45 | 26,400 | 7.74 | 731 | 1,540 | 2,279 |
| | 5 | 9 | 9 | — | 23 | 13,800 | 4.04 | 23,000 | 6.74 | 27,600 | 8.09 | 731 | 1,647 | 2,437 |
| 3 UNIT | 7 | 7 | 9 | — | 23 | 13,800 | 4.04 | 23,000 | 6.74 | 27,600 | 8.09 | 731 | 1,647 | 2,437 |
| | 5 | 7 | 12 | — | 24 | 14,400 | 4.22 | 24,000 | 7.03 | 29,000 | 8.50 | 837 | 1,758 | 2,603 |
| | 5 | 5 | 15 | — | 25 | 14,400 | 4.22 | 24,000 | 7.03 | 29,000 | 8.50 | 837 | 1,758 | 2,603 |
| | 7 | 9 | 9 | — | 25 | 14,400 | 4.22 | 24,000 | 7.03 | 29,000 | 8.50 | 837 | 1,758 | 2,603 |
| | 5 | 9 | 12 | — | 26 | 14,400 | 4.22 | 24,000 | 7.03 | 29,000 | 8.50 | 837 | 1,758 | 2,603 |
| | 7 | 7 | 12 | — | 26 | 14,400 | 4.22 | 24,000 | 7.03 | 29,000 | 8.50 | 837 | 1,758 | 2,603 |
| | 5 | 7 | 15 | — | 27 | 14,400 | 4.22 | 24,000 | 7.03 | 29,000 | 8.50 | 837 | 1,758 | 2,603 |
| | 9 | 9 | 9 | — | 30 | 14,400 | 4.22 | 24,000 | 7.03 | 29,000 | 8.50 | 837 | 1,758 | 2,603 |
| | 7 | 9 | 12 | — | 30 | 14,400 | 4.22 | 24,000 | 7.03 | 29,000 | 8.50 | 837 | 1,758 | 2,603 |
| | 5 | 9 | 15 | — | 31 | 14,400 | 4.22 | 24,000 | 7.03 | 29,000 | 8.50 | 837 | 1,758 | 2,603 |
| 4 UNIT | 7 | 12 | 12 | — | 31 | 14,400 | 4.22 | 24,000 | 7.03 | 29,000 | 8.50 | 837 | 1,758 | 2,603 |
| | 5 | 12 | 15 | — | 32 | 14,400 | 4.22 | 24,000 | 7.03 | 29,000 | 8.50 | 837 | 1,758 | 2,60 |

COMBINATION TABLE



MU4R25

| Operation | Heating | | | | | | | | | | | | | |
|-----------|---|--------|--------|-------|-------|----------------|-------|--------|----------|--------|------|-------|-------|-------|
| | Combination of Indoor Unit (kBtu/h Class) | | | | | Total Capacity | | | Input(W) | | | | | |
| | Min | | Rated | | Max | | Min | Rated | Max | | | | | |
| UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | Btu/h | kW | Btu/h | kW | Btu/h | kW | Min | Rated | Max | |
| 1 UNIT | 5 | — | — | — | 5 | 4,000 | 1.17 | 5,500 | 1.61 | 6,325 | 1.85 | 279 | 384 | 589 |
| | 7 | — | — | — | 7 | 5,040 | 1.48 | 8,400 | 2.46 | 9,660 | 2.83 | 342 | 579 | 743 |
| | 9 | — | — | — | 9 | 6,480 | 1.90 | 10,800 | 3.17 | 12,420 | 3.64 | 483 | 757 | 997 |
| | 12 | — | — | — | 12 | 7,920 | 2.32 | 13,200 | 3.87 | 15,180 | 4.45 | 537 | 954 | 1,234 |
| | 15 | — | — | — | 15 | 9,900 | 2.90 | 16,500 | 4.84 | 18,975 | 5.56 | 688 | 1,189 | 1,593 |
| | 18 | — | — | — | 18 | 11,880 | 3.48 | 19,800 | 5.80 | 22,770 | 6.67 | 845 | 1,483 | 1,978 |
| | 24 | — | — | — | 24 | 15,240 | 4.47 | 25,400 | 7.44 | 26,670 | 7.82 | 1,101 | 1,840 | 2,327 |
| | 5 | 5 | — | — | 10 | 7,200 | 2.11 | 12,000 | 3.52 | 14,400 | 4.22 | 329 | 598 | 861 |
| | 5 | 7 | — | — | 12 | 8,640 | 2.53 | 14,400 | 4.22 | 17,280 | 5.06 | 430 | 904 | 1,301 |
| | 5 | 9 | — | — | 14 | 10,080 | 2.95 | 16,800 | 4.92 | 20,160 | 5.91 | 484 | 945 | 1,360 |
| 2 UNIT | 7 | 7 | — | — | 14 | 10,080 | 2.95 | 16,800 | 4.92 | 20,160 | 5.91 | 484 | 945 | 1,360 |
| | 7 | 9 | — | — | 16 | 11,520 | 3.38 | 19,200 | 5.63 | 23,040 | 6.75 | 540 | 1,118 | 1,610 |
| | 5 | 12 | — | — | 17 | 12,240 | 3.59 | 20,400 | 5.98 | 24,480 | 7.17 | 598 | 1,319 | 1,899 |
| | 9 | 9 | — | — | 18 | 12,960 | 3.80 | 21,600 | 6.33 | 25,920 | 7.60 | 660 | 1,430 | 2,059 |
| | 7 | 12 | — | — | 19 | 13,680 | 4.01 | 22,800 | 6.68 | 27,360 | 8.02 | 725 | 1,543 | 2,221 |
| | 5 | 15 | — | — | 20 | 14,400 | 4.22 | 24,000 | 7.03 | 28,800 | 8.44 | 764 | 1,662 | 2,393 |
| | 9 | 12 | — | — | 21 | 15,120 | 4.43 | 25,200 | 7.39 | 29,000 | 8.50 | 793 | 1,749 | 2,518 |
| | 7 | 15 | — | — | 22 | 15,840 | 4.64 | 26,400 | 7.74 | 29,000 | 8.50 | 867 | 1,836 | 2,644 |
| | 5 | 18 | — | — | 23 | 16,560 | 4.85 | 27,600 | 8.09 | 29,000 | 8.50 | 945 | 1,977 | 2,850 |
| | 9 | 15 | — | — | 24 | 16,560 | 4.85 | 27,600 | 8.09 | 29,000 | 8.50 | 945 | 1,977 | 2,850 |
| 3 UNIT | 12 | 12 | — | — | 24 | 16,560 | 4.85 | 27,600 | 8.09 | 29,000 | 8.50 | 945 | 1,977 | 2,850 |
| | 7 | 18 | — | — | 25 | 16,560 | 4.85 | 27,600 | 8.09 | 29,000 | 8.50 | 945 | 1,977 | 2,850 |
| | 9 | 18 | — | — | 27 | 16,560 | 4.85 | 27,600 | 8.09 | 29,000 | 8.50 | 945 | 1,977 | 2,850 |
| | 12 | 15 | — | — | 27 | 16,560 | 4.85 | 27,600 | 8.09 | 29,000 | 8.50 | 945 | 1,977 | 2,850 |
| | 5 | 24 | — | — | 29 | 16,560 | 4.85 | 27,600 | 8.09 | 29,000 | 8.50 | 945 | 1,977 | 2,850 |
| | 12 | 18 | — | — | 30 | 16,560 | 4.85 | 27,600 | 8.09 | 29,000 | 8.50 | 945 | 1,977 | 2,850 |
| | 15 | 15 | — | — | 30 | 16,560 | 4.85 | 27,600 | 8.09 | 29,000 | 8.50 | 945 | 1,977 | 2,850 |
| | 7 | 24 | — | — | 31 | 16,560 | 4.85 | 27,600 | 8.09 | 29,000 | 8.50 | 945 | 1,977 | 2,850 |
| | 9 | 24 | — | — | 33 | 16,560 | 4.85 | 27,600 | 8.09 | 29,000 | 8.50 | 945 | 1,977 | 2,850 |
| | 15 | 18 | — | — | 33 | 16,560 | 4.85 | 27,600 | 8.09 | 29,000 | 8.50 | 945 | 1,977 | 2,850 |
| 4 UNIT | 18 | 18 | — | — | 36 | 16,560 | 4.85 | 27,600 | 8.09 | 29,000 | 8.50 | 945 | 1,977 | 2,850 |
| | 12 | 24 | — | — | 36 | 16,560 | 4.85 | 27,600 | 8.09 | 29,000 | 8.50 | 945 | 1,977 | 2,850 |
| | 15 | 24 | — | — | 39 | 16,560 | 4.85 | 27,600 | 8.09 | 29,000 | 8.50 | 945 | 1,977 | 2,850 |
| | 5 | 5 | 5 | — | 15 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 497 | 946 | 1,363 |
| | 5 | 5 | 7 | — | 17 | 12,240 | 3.59 | 20,400 | 5.98 | 24,480 | 7.17 | 551 | 1,118 | 1,610 |
| | 5 | 5 | 9 | — | 19 | 13,680 | 4.01 | 22,800 | 6.68 | 27,360 | 8.02 | 725 | 1,419 | 2,044 |
| | 5 | 7 | 7 | — | 19 | 13,680 | 4.01 | 22,800 | 6.68 | 27,360 | 8.02 | 725 | 1,419 | 2,044 |
| | 5 | 7 | 9 | — | 21 | 15,120 | 4.43 | 25,200 | 7.39 | 30,240 | 8.86 | 730 | 1,610 | 2,319 |
| | 7 | 7 | 7 | — | 21 | 15,120 | 4.43 | 25,200 | 7.39 | 30,240 | 8.86 | 730 | 1,610 | 2,319 |
| | 5 | 5 | 12 | — | 22 | 15,840 | 4.64 | 26,400 | 7.74 | 31,000 | 9.09 | 798 | 1,697 | 2,444 |
| 3 UNIT | 5 | 9 | 9 | — | 23 | 16,560 | 4.85 | 27,600 | 8.09 | 31,000 | 9.09 | 870 | 1,838 | 2,647 |
| | 7 | 7 | 9 | — | 23 | 16,560 | 4.85 | 27,600 | 8.09 | 31,000 | 9.09 | 870 | 1,838 | 2,647 |
| | 5 | 7 | 12 | — | 24 | 16,560 | 4.85 | 27,600 | 8.09 | 31,000 | 9.09 | 870 | 1,838 | 2,647 |
| | 5 | 5 | 15 | — | 25 | 16,560 | 4.85 | 27,600 | 8.09 | 31,000 | 9.09 | 870 | 1,838 | 2,647 |
| | 7 | 9 | 9 | — | 25 | 16,560 | 4.85 | 27,600 | 8.09 | 31,000 | 9.09 | 870 | 1,838 | 2,647 |
| | 5 | 9 | 12 | — | 26 | 16,560 | 4.85 | 27,600 | 8.09 | 31,000 | 9.09 | 870 | 1,838 | 2,647 |
| | 7 | 7 | 12 | — | 26 | 16,560 | 4.85 | 27,600 | 8.09 | 31,000 | 9.09 | 870 | 1,838 | 2,647 |
| | 5 | 7 | 15 | — | 27 | 16,560 | 4.85 | 27,600 | 8.09 | 31,000 | 9.09 | 870 | 1,838 | 2,647 |
| | 7 | 9 | 12 | — | 28 | 16,560 | 4.85 | 27,600 | 8.09 | 31,000 | 9.09 | 870 | 1,838 | 2,647 |
| | 5 | 5 | 18 | — | 28 | 16,560 | 4.85 | 27,600 | 8.09 | 31,000 | 9.09 | 870 | 1,838 | 2,647 |
| 4 UNIT | 5 | 9 | 15 | — | 29 | 16,560 | 4.85 | 27,600 | 8.09 | 31,000 | 9.09 | 870 | 1,838 | 2,647 |
| | 5 | 12 | 12 | — | 29 | 16,560 | 4.85 | 27,600 | 8.09 | 31,000 | 9.09 | 870 | | |

COMBINATION TABLE



MU4R27

| Operation | Cooling | | | | | | | | | |
|-----------|---|--------|--------|--------|-------|----------------|-------|--------|----------|-------|
| | Combination of Indoor Unit (kBtu/h Class) | | | | | Total Capacity | | | Input(W) | |
| | Min | | Rated | | Max | | Min | Rated | Max | |
| UNIT-A | UNIT-B | UNIT-C | UNIT-D | Total | Btu/h | kW | Btu/h | kW | Btu/h | kW |
| 1 UNIT | 5 | 4,500 | 132 | 5,000 | 147 | 6,000 | 176 | 416 | 418 | 612 |
| | 7 | 4,800 | 141 | 7,000 | 205 | 8,400 | 246 | 416 | 494 | 663 |
| | 9 | 5,400 | 158 | 9,000 | 264 | 10,800 | 317 | 416 | 617 | 861 |
| | 12 | 7,200 | 211 | 12,000 | 352 | 14,400 | 422 | 494 | 846 | 1,153 |
| | 15 | 8,520 | 250 | 14,200 | 416 | 17,040 | 499 | 592 | 1,029 | 1,395 |
| | 18 | 10,800 | 317 | 18,000 | 528 | 21,600 | 633 | 769 | 1,328 | 1,804 |
| | 24 | 14,400 | 422 | 24,000 | 703 | 25,500 | 747 | 1,029 | 1,815 | 2,536 |
| | 5 | 5 | 10 | 6,000 | 176 | 10,000 | 293 | 12,000 | 352 | 378 |
| | 5 | 7 | 12 | 7,200 | 211 | 12,000 | 352 | 14,400 | 422 | 444 |
| | 5 | 9 | 14 | 8,400 | 246 | 14,000 | 410 | 16,800 | 492 | 533 |
| 2 UNIT | 7 | 7 | 14 | 8,400 | 246 | 14,000 | 410 | 16,800 | 492 | 533 |
| | 7 | 9 | 16 | 9,600 | 281 | 16,000 | 469 | 19,200 | 563 | 601 |
| | 5 | 12 | 17 | 10,200 | 299 | 17,000 | 498 | 20,400 | 598 | 646 |
| | 9 | 9 | 18 | 10,800 | 317 | 18,000 | 528 | 21,600 | 633 | 692 |
| | 7 | 12 | 19 | 11,400 | 334 | 19,000 | 557 | 22,800 | 668 | 715 |
| | 5 | 15 | 20 | 12,000 | 352 | 20,000 | 586 | 24,000 | 703 | 761 |
| | 9 | 12 | 21 | 12,600 | 369 | 21,000 | 615 | 25,200 | 739 | 808 |
| | 7 | 15 | 22 | 13,200 | 387 | 22,000 | 645 | 26,400 | 774 | 855 |
| | 5 | 18 | 23 | 13,800 | 404 | 23,000 | 674 | 27,600 | 809 | 879 |
| | 9 | 15 | 24 | 14,400 | 422 | 24,000 | 703 | 28,800 | 844 | 927 |
| 3 UNIT | 12 | 12 | 24 | 14,400 | 422 | 24,000 | 703 | 28,800 | 844 | 927 |
| | 7 | 18 | 25 | 15,000 | 440 | 25,000 | 733 | 30,000 | 879 | 975 |
| | 9 | 18 | 27 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 1,047 |
| | 12 | 15 | 27 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 1,047 |
| | 5 | 24 | 29 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 1,047 |
| | 12 | 18 | 30 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 1,047 |
| | 15 | 15 | 30 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 1,047 |
| | 7 | 24 | 31 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 1,047 |
| | 9 | 24 | 33 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 1,047 |
| | 15 | 18 | 33 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 1,047 |
| 4 UNIT | 18 | 18 | 36 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 1,047 |
| | 12 | 24 | 36 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 1,047 |
| | 15 | 24 | 39 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 1,047 |
| | 5 | 5 | 15 | 9,000 | 264 | 15,000 | 440 | 18,000 | 528 | 522 |
| | 5 | 5 | 17 | 10,200 | 299 | 17,000 | 498 | 20,400 | 598 | 607 |
| | 5 | 5 | 19 | 11,400 | 334 | 19,000 | 557 | 22,800 | 668 | 672 |
| | 5 | 7 | 19 | 11,400 | 334 | 19,000 | 557 | 22,800 | 668 | 672 |
| | 5 | 7 | 21 | 12,600 | 369 | 21,000 | 615 | 25,200 | 739 | 760 |
| | 7 | 7 | 21 | 12,600 | 369 | 21,000 | 615 | 25,200 | 739 | 760 |
| | 5 | 5 | 22 | 13,200 | 387 | 22,000 | 645 | 26,400 | 774 | 804 |
| 5 UNIT | 5 | 9 | 23 | 13,800 | 404 | 23,000 | 674 | 27,600 | 809 | 826 |
| | 7 | 7 | 23 | 13,800 | 404 | 23,000 | 674 | 27,600 | 809 | 826 |
| | 5 | 7 | 24 | 14,400 | 422 | 24,000 | 703 | 28,800 | 844 | 871 |
| | 5 | 5 | 25 | 15,000 | 440 | 25,000 | 733 | 30,000 | 879 | 916 |
| | 7 | 9 | 25 | 15,000 | 440 | 25,000 | 733 | 30,000 | 879 | 916 |
| | 5 | 9 | 26 | 15,600 | 457 | 26,000 | 762 | 31,200 | 914 | 962 |
| | 7 | 7 | 26 | 15,600 | 457 | 26,000 | 762 | 31,200 | 914 | 962 |
| | 5 | 7 | 27 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 9 | 9 | 27 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 7 | 9 | 28 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| 6 UNIT | 5 | 5 | 28 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 5 | 9 | 29 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 5 | 12 | 29 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 7 | 7 | 29 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 5 | 9 | 30 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 5 | 12 | 31 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 5 | 12 | 32 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 5 | 9 | 32 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 5 | 12 | 32 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 5 | 15 | 32 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| 7 UNIT | 5 | 7 | 33 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 5 | 9 | 33 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 5 | 12 | 33 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 7 | 9 | 34 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 7 | 12 | 34 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 5 | 5 | 34 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 5 | 12 | 35 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 5 | 15 | 35 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 7 | 12 | 35 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | 5 | 18 | 35 | 16,200 | 475 | 27,000 | 791 | 31,050 | 910 | 984 |
| | | | | | | | | | | |

COMBINATION TABLE



MU4R27

| Operation | Heating | | | | | Total Capacity | | | | | Input(W) | | | |
|-----------|---|--------|--------|--------|--------|----------------|--------|--------|--------|--------|----------|-------|-------|-------|
| | Combination of Indoor Unit (kBtu/h Class) | | | | Total | Min | | Rated | | Max | | | | |
| | UNIT-A | UNIT-B | UNIT-C | UNIT-D | Btu/h | kW | Btu/h | kW | Btu/h | kW | Min | Rated | Max | |
| 1 UNIT | 5 | | | | 5,000 | 1.47 | 5,500 | 1.61 | 6,325 | 1.85 | 610 | 610 | 714 | |
| | 7 | | | | 5,400 | 1.58 | 8,400 | 2.46 | 9,660 | 2.83 | 610 | 636 | 825 | |
| | 9 | | | | 6,480 | 1.90 | 10,800 | 3.17 | 12,420 | 3.64 | 610 | 826 | 1,077 | |
| | 12 | | | | 7,920 | 2.32 | 13,200 | 3.87 | 15,180 | 4.45 | 583 | 1,021 | 1,338 | |
| | 15 | | | | 9,900 | 2.90 | 16,500 | 4.84 | 18,975 | 5.56 | 744 | 1,279 | 1,744 | |
| | 18 | | | | 11,880 | 3.48 | 19,800 | 5.80 | 22,770 | 6.67 | 909 | 1,577 | 2,133 | |
| | 24 | | | | 15,240 | 4.47 | 25,400 | 7.44 | 26,670 | 7.82 | 1,192 | 2,077 | 2,538 | |
| | 5 | 5 | | | 10 | 7,200 | 2.11 | 12,000 | 3.52 | 14,400 | 4.22 | 451 | 773 | 1,081 |
| | 5 | 7 | | | 12 | 8,640 | 2.53 | 14,400 | 4.22 | 17,280 | 5.06 | 541 | 940 | 1,337 |
| | 5 | 9 | | | 14 | 10,080 | 2.95 | 16,800 | 4.92 | 20,160 | 5.91 | 656 | 1,112 | 1,571 |
| 2 UNIT | 7 | 7 | | | 14 | 10,080 | 2.95 | 16,800 | 4.92 | 20,160 | 5.91 | 656 | 1,112 | 1,571 |
| | 7 | 9 | | | 16 | 11,520 | 3.38 | 19,200 | 5.63 | 23,040 | 6.75 | 749 | 1,289 | 1,844 |
| | 5 | 12 | | | 17 | 12,240 | 3.59 | 20,400 | 5.98 | 24,480 | 7.17 | 796 | 1,392 | 1,968 |
| | 9 | 9 | | | 18 | 12,960 | 3.80 | 21,600 | 6.33 | 25,920 | 7.60 | 844 | 1,471 | 2,094 |
| | 7 | 12 | | | 19 | 13,680 | 4.01 | 22,800 | 6.68 | 27,360 | 8.02 | 892 | 1,577 | 2,222 |
| | 5 | 15 | | | 20 | 14,400 | 4.22 | 24,000 | 7.03 | 28,800 | 8.44 | 940 | 1,657 | 2,352 |
| | 9 | 12 | | | 21 | 15,120 | 4.43 | 25,200 | 7.39 | 30,240 | 8.86 | 989 | 1,766 | 2,568 |
| | 7 | 15 | | | 22 | 15,840 | 4.64 | 26,400 | 7.74 | 31,680 | 9.28 | 1,038 | 1,848 | 2,811 |
| | 5 | 18 | | | 23 | 16,560 | 4.85 | 27,600 | 8.09 | 33,120 | 9.71 | 1,112 | 1,960 | 3,127 |
| | 9 | 15 | | | 24 | 17,280 | 5.06 | 28,800 | 8.44 | 34,100 | 9.99 | 1,100 | 2,045 | 3,384 |
| 3 UNIT | 12 | 12 | | | 24 | 17,280 | 5.06 | 28,800 | 8.44 | 34,100 | 9.99 | 1,100 | 2,045 | 3,384 |
| | 7 | 18 | | | 25 | 18,000 | 5.28 | 30,000 | 8.79 | 34,100 | 9.99 | 1,147 | 2,194 | 3,384 |
| | 9 | 18 | | | 27 | 18,600 | 5.45 | 31,000 | 9.09 | 34,100 | 9.99 | 1,194 | 2,157 | 3,384 |
| | 12 | 15 | | | 27 | 18,600 | 5.45 | 31,000 | 9.09 | 34,100 | 9.99 | 1,194 | 2,157 | 3,384 |
| | 5 | 24 | | | 29 | 18,600 | 5.45 | 31,000 | 9.09 | 34,100 | 9.99 | 1,194 | 2,157 | 3,384 |
| | 12 | 18 | | | 30 | 18,600 | 5.45 | 31,000 | 9.09 | 34,100 | 9.99 | 1,194 | 2,157 | 3,384 |
| | 15 | 15 | | | 30 | 18,600 | 5.45 | 31,000 | 9.09 | 34,100 | 9.99 | 1,194 | 2,157 | 3,384 |
| | 7 | 24 | | | 31 | 18,600 | 5.45 | 31,000 | 9.09 | 34,100 | 9.99 | 1,194 | 2,157 | 3,384 |
| | 9 | 24 | | | 33 | 18,600 | 5.45 | 31,000 | 9.09 | 34,100 | 9.99 | 1,194 | 2,157 | 3,384 |
| | 15 | 18 | | | 33 | 18,600 | 5.45 | 31,000 | 9.09 | 34,100 | 9.99 | 1,194 | 2,157 | 3,384 |
| 4 UNIT | 18 | 18 | | | 36 | 18,600 | 5.45 | 31,000 | 9.09 | 34,100 | 9.99 | 1,194 | 2,157 | 3,384 |
| | 12 | 24 | | | 36 | 18,600 | 5.45 | 31,000 | 9.09 | 34,100 | 9.99 | 1,194 | 2,157 | 3,384 |
| | 15 | 24 | | | 39 | 18,600 | 5.45 | 31,000 | 9.09 | 34,100 | 9.99 | 1,194 | 2,157 | 3,384 |
| | 5 | 5 | 5 | | 15 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 660 | 1,140 | 1,590 |
| | 5 | 5 | 7 | | 17 | 12,240 | 3.59 | 20,400 | 5.98 | 24,480 | 7.17 | 748 | 1,309 | 1,850 |
| | 5 | 5 | 9 | | 19 | 13,680 | 4.01 | 22,800 | 6.68 | 27,360 | 8.02 | 838 | 1,482 | 2,089 |
| | 5 | 7 | 7 | | 19 | 13,680 | 4.01 | 22,800 | 6.68 | 27,360 | 8.02 | 838 | 1,482 | 2,089 |
| | 5 | 7 | 9 | | 21 | 15,120 | 4.43 | 25,200 | 7.39 | 30,240 | 8.86 | 930 | 1,660 | 2,414 |
| | 7 | 7 | 7 | | 21 | 15,120 | 4.43 | 25,200 | 7.39 | 30,240 | 8.86 | 930 | 1,660 | 2,414 |
| | 5 | 5 | 12 | | 22 | 15,840 | 4.64 | 26,400 | 7.74 | 31,680 | 9.28 | 976 | 1,738 | 2,590 |
| 3 UNIT | 5 | 9 | 9 | | 23 | 16,560 | 4.85 | 27,600 | 8.09 | 33,120 | 9.71 | 1,046 | 1,842 | 2,767 |
| | 7 | 7 | 9 | | 23 | 16,560 | 4.85 | 27,600 | 8.09 | 33,120 | 9.71 | 1,046 | 1,842 | 2,767 |
| | 5 | 7 | 12 | | 24 | 17,280 | 5.06 | 28,800 | 8.44 | 34,560 | 10.13 | 1,093 | 1,922 | 2,951 |
| | 5 | 5 | 15 | | 25 | 18,000 | 5.28 | 30,000 | 8.79 | 34,720 | 10.18 | 1,140 | 2,063 | 2,998 |
| | 7 | 9 | 9 | | 25 | 18,000 | 5.28 | 30,000 | 8.79 | 34,720 | 10.18 | 1,140 | 2,063 | 2,998 |
| | 5 | 9 | 12 | | 26 | 18,720 | 5.49 | 31,200 | 9.14 | 34,720 | 10.18 | 1,188 | 2,177 | 2,998 |
| | 5 | 7 | 15 | | 27 | 18,600 | 5.45 | 31,000 | 9.09 | 34,720 | 10.18 | 1,188 | 2,177 | 2,998 |
| | 9 | 9 | 9 | | 27 | 18,600 | 5.45 | 31,000 | 9.09 | 34,720 | 10.18 | 1,188 | 2,177 | 2,998 |
| | 7 | 9 | 12 | | 28 | 18,600 | 5.45 | 31,000 | 9.09 | 34,720 | 10.18 | 1,188 | 2,177 | 2,998 |
| | 5 | 5 | 18 | | 28 | 18,600 | 5.45 | 31,000 | 9.09 | 34,720 | 10.18 | 1,188 | 2,177 | 2,998 |
| 4 UNIT | 5 | 9 | 15 | | 29 | 18,600 | 5.45 | 31,000 | 9.09 | 34,720 | 10.18 | 1,188 | 2,177 | 2,998 |
| | 7 | 7 | 15 | | 30 | 18,600 | 5.45 | 31,000 | 9.09 | 34,720 | 10.18 | 1,188 | 2,177 | 2,998 |
| | 9 | 9 | 12 | | 30 | 18,600 | 5.45 | 31,000 | 9.09 | 34,720 | 10.18</ | | | |

COMBINATION TABLE



MU5R30

| Operation | Combination of Indoor Unit (kBtu/h Class) | | | | | Total Capacity | | | | | | Input(W) | | | |
|-----------|---|--------|--------|--------|--------|----------------|------------|-------|--------|------|--------|----------|-------|-------|-------|
| | | | | | | Min | | Rated | | Max | | | | | |
| | UNIT-A | UNIT-B | UNIT-C | UNIT-D | UNIT-E | Total | Btu/h | kW | Btu/h | kW | Btu/h | kW | Min | Rated | Max |
| 1 UNIT | 5 | | | | | 5 | 4,500 | 1.32 | 5,000 | 1.47 | 6,000 | 1.76 | 416 | 418 | 629 |
| | 7 | | | | | 7 | 4,800 | 1.41 | 7,000 | 2.05 | 8,400 | 2.46 | 416 | 494 | 681 |
| | 9 | | | | | 9 | 5,400 | 1.58 | 9,000 | 2.64 | 10,800 | 3.17 | 416 | 617 | 884 |
| | 12 | | | | | 12 | 7,200 | 2.11 | 12,000 | 3.52 | 14,400 | 4.22 | 494 | 846 | 1,184 |
| | 15 | | | | | 15 | 8,520 | 2.50 | 14,200 | 4.16 | 17,040 | 4.99 | 592 | 1,029 | 1,432 |
| | 18 | | | | | 18 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 769 | 1,328 | 1,852 |
| | 24 | | | | | 24 | 14,400 | 4.22 | 24,000 | 703 | 25,500 | 7.47 | 1,029 | 1,815 | 2,604 |
| | 5 | 5 | | | | 10 | 6,000 | 1.76 | 10,000 | 2.93 | 12,000 | 3.52 | 378 | 623 | 876 |
| | 5 | 7 | | | | 12 | 7,200 | 2.11 | 12,000 | 3.52 | 14,400 | 4.22 | 444 | 761 | 1,066 |
| | 5 | 9 | | | | 14 | 8,400 | 2.46 | 14,000 | 4.10 | 16,800 | 4.92 | 533 | 903 | 1,261 |
| 2 UNIT | 7 | 7 | | | | 14 | 8,400 | 2.46 | 14,000 | 4.10 | 16,800 | 4.92 | 533 | 903 | 1,261 |
| | 7 | 9 | | | | 16 | 9,600 | 2.81 | 16,000 | 4.69 | 19,200 | 5.63 | 601 | 1,047 | 1,461 |
| | 5 | 12 | | | | 17 | 10,200 | 2.99 | 17,000 | 4.98 | 20,400 | 5.98 | 646 | 1,121 | 1,578 |
| | 9 | 9 | | | | 18 | 10,800 | 3.17 | 18,000 | 5.28 | 21,600 | 6.33 | 692 | 1,195 | 1,667 |
| | 7 | 12 | | | | 19 | 11,400 | 3.34 | 19,000 | 5.57 | 22,800 | 6.68 | 715 | 1,270 | 1,787 |
| | 5 | 15 | | | | 20 | 12,000 | 3.52 | 20,000 | 5.86 | 24,000 | 7.03 | 761 | 1,347 | 1,878 |
| | 9 | 12 | | | | 21 | 12,600 | 3.69 | 21,000 | 6.15 | 25,200 | 7.39 | 808 | 1,423 | 2,066 |
| | 7 | 15 | | | | 22 | 13,200 | 3.87 | 22,000 | 6.45 | 26,400 | 7.74 | 855 | 1,475 | 2,211 |
| | 5 | 18 | | | | 23 | 13,800 | 4.04 | 23,000 | 6.74 | 27,600 | 8.09 | 879 | 1,554 | 2,414 |
| | 9 | 15 | | | | 24 | 14,400 | 4.22 | 24,000 | 703 | 28,800 | 8.44 | 927 | 1,633 | 2,572 |
| | 7 | 18 | | | | 25 | 15,000 | 4.40 | 25,000 | 733 | 30,000 | 8.79 | 975 | 1,755 | 2,794 |
| | 9 | 18 | | | | 27 | 16,200 | 4.75 | 27,000 | 791 | 32,400 | 9.50 | 1,047 | 2,011 | 3,213 |
| | 12 | 15 | | | | 27 | 16,200 | 4.75 | 27,000 | 791 | 32,400 | 9.50 | 1,047 | 2,011 | 3,213 |
| | 5 | 24 | | | | 29 | 17,400 | 5.10 | 29,000 | 850 | 33,000 | 9.67 | 1,145 | 2,284 | 3,341 |
| | 12 | 18 | | | | 30 | 18,000 | 5.28 | 30,000 | 879 | 33,000 | 9.67 | 1,195 | 2,429 | 3,341 |
| | 15 | 15 | | | | 30 | 18,000 | 5.28 | 30,000 | 879 | 33,000 | 9.67 | 1,195 | 2,429 | 3,341 |
| | 7 | 24 | | | | 31 | 18,000 | 5.28 | 30,000 | 879 | 33,000 | 9.67 | 1,195 | 2,429 | 3,341 |
| | 9 | 24 | | | | 33 | 18,000 | 5.28 | 30,000 | 879 | 33,000 | 9.67 | 1,195 | 2,429 | 3,341 |
| | 15 | 18 | | | | 33 | 18,000 | 5.28 | 30,000 | 879 | 33,000 | 9.67 | 1,195 | 2,429 | 3,341 |
| | 18 | 18 | | | | 36 | 18,000 | 5.28 | 30,000 | 879 | 33,000 | 9.67 | 1,195 | 2,429 | 3,341 |
| | 12 | 24 | | | | 36 | 18,000 | 5.28 | 30,000 | 879 | 33,000 | 9.67 | 1,195 | 2,429 | 3,341 |
| | 15 | 24 | | | | 39 | 18,000 | 5.28 | 30,000 | 879 | 33,000 | 9.67 | 1,195 | 2,429 | 3,341 |
| | 18 | 24 | | | | 42 | 18,000 | 5.28 | 30,000 | 879 | 33,000 | 9.67 | 1,195 | 2,429 | 3,341 |
| | 24 | 24 | | | | 48 | 18,000 | 5.28 | 30,000 | 879 | 33,000 | 9.67 | 1,195 | 2,429 | 3,341 |
| 3 UNIT | 5 | 5 | 5 | | | 15 | 9,000 | 2.64 | 15,000 | 4.40 | 18,000 | 5.28 | 522 | 916 | 1,292 |
| | 5 | 5 | 7 | | | 17 | 10,200 | 2.99 | 17,000 | 4.98 | 20,400 | 5.98 | 607 | 1,054 | 1,483 |
| | 5 | 5 | 9 | | | 19 | 11,400 | 3.34 | 19,000 | 5.57 | 22,800 | 6.68 | 672 | 1,194 | 1,680 |
| | 5 | 7 | 7 | | | 19 | 11,400 | 3.34 | 19,000 | 5.57 | 22,800 | 6.68 | 672 | 1,194 | 1,680 |
| | 5 | 7 | 9 | | | 21 | 12,600 | 3.69 | 21,000 | 6.15 | 25,200 | 7.39 | 760 | 1,338 | 1,942 |
| | 7 | 7 | 7 | | | 21 | 12,600 | 3.69 | 21,000 | 6.15 | 25,200 | 7.39 | 760 | 1,338 | 1,942 |
| | 5 | 5 | 12 | | | 22 | 13,200 | 3.87 | 22,000 | 6.45 | 26,400 | 7.74 | 804 | 1,387 | 2,079 |
| | 5 | 9 | 9 | | | 23 | 13,800 | 4.04 | 23,000 | 6.74 | 27,600 | 8.09 | 826 | 1,461 | 2,278 |
| | 7 | 7 | 9 | | | 23 | 13,800 | 4.04 | 23,000 | 6.74 | 27,600 | 8.09 | 826 | 1,461 | 2,278 |
| | 5 | 7 | 12 | | | 24 | 14,400 | 4.22 | 24,000 | 703 | 28,800 | 8.44 | 871 | 1,535 | 2,442 |
| | 5 | 5 | 15 | | | 25 | 15,000 | 4.40 | 25,000 | 733 | 30,000 | 8.79 | 916 | 1,650 | 2,674 |
| | 5 | 9 | 9 | | | 25 | 15,000 | 4.40 | 25,000 | 733 | 30,000 | 8.79 | 916 | 1,650 | 2,674 |
| | 5 | 9 | 12 | | | 26 | 15,600 | 4.57 | 26,000 | 762 | 31,200 | 9.14 | 962 | 1,767 | 2,859 |
| | 7 | 7 | 12 | | | 26 | 15,600 | 4.57 | 26,000 | 762 | 31,200 | 9.14 | 962 | 1,767 | 2,859 |
| | 5 | 7 | 15 | | | 27 | 16,200 | 4.75 | 27,000 | 791 | 32,400 | 9.50 | 984 | 1,890 | 3,120 |
| | 9 | 9 | 9 | | | 27 | 16,200 | 4.75 | 27,000 | 791 | 32,400 | 9.50 | 984 | 1,890 | 3,120 |
| | 7 | 9 | 12 | | | 28 | 16,800 | 4.92 | 28,000 | 821 | 33,600 | 9.85 | 1,030 | 2,028 | 3,327 |
| | 5 | 5 | 18 | | | 28 | 16,800</td | | | | | | | | |

COMBINATION TABLE



MU5R30

| Operation | Combination of Indoor Unit (kBtu/h Class) | | | | | Total Capacity | | | | | | Input(W) | | | |
|-----------|---|--------|--------|--------|--------|----------------|--------|--------|--------|----------|--------|----------|-------|-------|-------|
| | | | | | | Min | | Rated | | Max | | | | | |
| | UNIT-A | UNIT-B | UNIT-C | UNIT-D | UNIT-E | Total | Btu/h | kW | Btu/h | kW | Btu/h | kW | Min | Rated | Max |
| 5 | 5 | 5 | 5 | 5 | 5 | 25 | 15,000 | 4.40 | 25,000 | 7.33 | 30,000 | 8.79 | 841 | 1,517 | 2,300 |
| 5 | 5 | 5 | 5 | 5 | 7 | 27 | 16,200 | 4.75 | 27,000 | 7.91 | 32,400 | 9.50 | 906 | 1,701 | 2,645 |
| 5 | 5 | 5 | 5 | 5 | 9 | 29 | 17,400 | 5.10 | 29,000 | 8.50 | 34,800 | 10.20 | 993 | 1,897 | 3,026 |
| 5 | 5 | 5 | 5 | 7 | 7 | 29 | 17,400 | 5.10 | 29,000 | 8.50 | 34,800 | 10.20 | 993 | 1,897 | 3,026 |
| 5 | 5 | 5 | 5 | 7 | 9 | 31 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 |
| 5 | 5 | 5 | 7 | 7 | 7 | 31 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 |
| 5 | 5 | 5 | 5 | 5 | 12 | 32 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 |
| 5 | 5 | 5 | 5 | 9 | 9 | 33 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 |
| 5 | 5 | 7 | 7 | 7 | 7 | 33 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 |
| 5 | 5 | 5 | 5 | 12 | 12 | 34 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 |
| 5 | 5 | 5 | 5 | 15 | 35 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 7 | 9 | 9 | 35 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 7 | 7 | 7 | 9 | 35 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 7 | 7 | 7 | 7 | 7 | 7 | 35 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 |
| 5 | 5 | 5 | 9 | 12 | 36 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 7 | 7 | 12 | 36 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 5 | 7 | 15 | 37 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 9 | 9 | 9 | 37 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 7 | 7 | 9 | 9 | 37 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 5 | 5 | 18 | 38 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 5 | 9 | 15 | 39 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 7 | 7 | 12 | 39 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 7 | 7 | 15 | 39 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 7 | 7 | 7 | 9 | 9 | 39 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 5 | 12 | 12 | 38 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 7 | 12 | 12 | 38 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 9 | 9 | 12 | 39 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 7 | 7 | 9 | 12 | 39 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 7 | 7 | 15 | 39 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 7 | 7 | 9 | 15 | 39 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 9 | 9 | 15 | 41 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 7 | 7 | 9 | 15 | 41 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 9 | 9 | 9 | 15 | 41 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 7 | 7 | 9 | 9 | 9 | 41 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 5 | 9 | 18 | 42 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 5 | 12 | 15 | 42 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 7 | 7 | 18 | 42 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 9 | 9 | 18 | 42 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 7 | 9 | 9 | 18 | 42 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 7 | 9 | 12 | 42 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 7 | 7 | 9 | 12 | 42 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 9 | 9 | 15 | 43 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 7 | 7 | 9 | 15 | 43 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 7 | 12 | 12 | 43 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 7 | 7 | 7 | 15 | 43 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 9 | 9 | 9 | 15 | 43 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 5 | 12 | 15 | 43 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 7 | 7 | 9 | 15 | 43 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 5 | 15 | 18 | 43 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 7 | 9 | 18 | 42 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000 | 10.55 | 1,037 | 2,000 | 3,260 | |
| 5 | 5 | 5 | 18 | 24 | 44 | 18,000 | 5.28 | 30,000 | 8.79 | 36,000</ | | | | | |

COMBINATION TABLE



MU5R30

| Operation | Combination of Indoor Unit (kBtu/h Class) | | | | | Total Capacity | | | | | | Input(W) | | | |
|-----------|---|--------|--------|--------|--------|----------------|--------|-------|--------|-------|--------|----------|-------|-------|-------|
| | | | | | | Min | | Rated | | Max | | | | | |
| | UNIT-A | UNIT-B | UNIT-C | UNIT-D | UNIT-E | Total | Btu/h | kW | Btu/h | kW | Btu/h | kW | Min | Rated | Max |
| 3 UNIT | 7 | 18 | 18 | | | 43 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,333 | 2,566 | 3,602 |
| | 7 | 12 | 24 | | | 43 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,333 | 2,566 | 3,602 |
| | 5 | 15 | 24 | | | 44 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,333 | 2,566 | 3,602 |
| | 9 | 18 | 18 | | | 45 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,333 | 2,566 | 3,602 |
| | 9 | 12 | 24 | | | 45 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,333 | 2,566 | 3,602 |
| | 12 | 15 | 18 | | | 45 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,333 | 2,566 | 3,602 |
| | 15 | 15 | 15 | | | 45 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,333 | 2,566 | 3,602 |
| | 7 | 15 | 24 | | | 46 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,333 | 2,566 | 3,602 |
| | 5 | 18 | 24 | | | 47 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,333 | 2,566 | 3,602 |
| | 9 | 15 | 24 | | | 48 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,333 | 2,566 | 3,602 |
| 4 UNIT | 12 | 18 | 18 | | | 48 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,333 | 2,566 | 3,602 |
| | 12 | 12 | 24 | | | 48 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,333 | 2,566 | 3,602 |
| | 5 | 15 | 18 | | | 48 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,333 | 2,566 | 3,602 |
| | 5 | 5 | 5 | 5 | 5 | 20 | 14,400 | 4.22 | 24,000 | 7.03 | 28,800 | 8.44 | 840 | 1,480 | 2,100 |
| | 5 | 5 | 5 | 7 | | 22 | 15,840 | 4.64 | 26,400 | 7.74 | 31,680 | 9.28 | 927 | 1,651 | 2,470 |
| | 5 | 5 | 5 | 9 | | 24 | 17,280 | 5.06 | 28,800 | 8.44 | 34,560 | 10.13 | 1,038 | 1,826 | 2,861 |
| | 5 | 5 | 7 | 7 | | 24 | 17,280 | 5.06 | 28,800 | 8.44 | 34,560 | 10.13 | 1,038 | 1,826 | 2,861 |
| | 5 | 5 | 7 | 9 | | 26 | 18,720 | 5.49 | 31,200 | 9.14 | 37,440 | 10.97 | 1,128 | 2,068 | 3,349 |
| | 5 | 7 | 7 | 7 | | 26 | 18,720 | 5.49 | 31,200 | 9.14 | 37,440 | 10.97 | 1,128 | 2,068 | 3,349 |
| | 5 | 5 | 5 | 12 | | 27 | 19,440 | 5.70 | 32,400 | 9.50 | 38,640 | 11.32 | 1,174 | 2,230 | 3,524 |
| 5 UNIT | 5 | 5 | 9 | 9 | | 28 | 20,160 | 5.91 | 33,600 | 9.85 | 38,640 | 11.32 | 1,220 | 2,356 | 3,524 |
| | 5 | 7 | 7 | 9 | | 28 | 20,160 | 5.91 | 33,600 | 9.85 | 38,640 | 11.32 | 1,220 | 2,356 | 3,524 |
| | 7 | 7 | 7 | 7 | | 28 | 20,160 | 5.91 | 33,600 | 9.85 | 38,640 | 11.32 | 1,220 | 2,356 | 3,524 |
| | 5 | 5 | 7 | 12 | | 29 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 5 | 5 | 15 | | 30 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 7 | 9 | 9 | | 30 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 5 | 9 | 12 | | 31 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 5 | 9 | 15 | | 31 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 5 | 7 | 15 | | 32 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 7 | 9 | 9 | | 32 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| 4 UNIT | 5 | 9 | 9 | 9 | | 32 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 7 | 9 | 12 | | 33 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 7 | 7 | 12 | | 33 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 5 | 9 | 15 | | 34 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 5 | 12 | 12 | | 34 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 7 | 7 | 15 | | 34 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 7 | 9 | 9 | 9 | | 34 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 5 | 9 | 18 | | 35 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 7 | 9 | 12 | | 35 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 7 | 7 | 9 | 12 | | 35 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| 4 UNIT | 5 | 7 | 9 | 15 | | 36 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 7 | 12 | 12 | | 36 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 7 | 7 | 7 | 15 | | 36 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 9 | 9 | 9 | 9 | | 36 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 5 | 9 | 18 | | 37 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 5 | 12 | 15 | | 37 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 7 | 7 | 18 | | 37 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 7 | 9 | 9 | 12 | | 37 | 20,700 | 6.07 | 34,500 | 10.11 | 38,640 | 11.32 | 1,267 | 2,487 | 3,524 |
| | 5 | 9 | 9 | 15 | | 38 | 20, | | | | | | | | |

R410A MULTI SPLIT



R410A MULTI SPLIT SPECIFICATION

OUTDOOR UNITS



RESIDENTIAL

MULTI SPLIT

MU5M40



| OUTDOOR | | | MU5M40 U44 |
|-----------------------------|-------------------------------------|-----------------------|-------------------|
| Compressor | Type | | |
| Cooling | Min / Nom / Max kW | | 1.3 / 11.2 / 14.7 |
| Capacity* | Heating | Min / Nom / Max kW | 1.5 / 12.5 / 16.0 |
| Low Temperature Capacity | Heating -7°C | Max kW | 11.0 |
| Power Input* | Cooling | Min / Nom / Max kW | 0.4 / 3.3 / 5.5 |
| | Heating | Min / Nom / Max kW | 0.4 / 3.8 / 5.6 |
| Running Current* | Cooling | Min / Nom / Max A | 1.8 / 14.9 / 24.9 |
| | Heating | Min / Nom / Max A | 1.9 / 17.0 / 25.4 |
| EER | | | 3.40 |
| COP | | | 3.33 |
| SEER | | | 7.10 |
| SCOP | | | 4.00 |
| Pdesign (@-10°C) | | kW | 8.90 |
| Season Energy Label | Cooling / Heating (A+++ to D Scale) | | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | kWh | 552 / 3,114 |
| Airflow Rate | Nom | m³/min | 80 |
| Sound Pressure Level | Cooling | Nom | 53 |
| | Heating | Nom | 55 |
| Sound Power Level | Cooling | Max | 67 |
| Dimensions | W x H x D | mm | 950 × 834 × 330 |
| Net Weight | | kg | 73 |
| Refrigerant | Type | | R410A |
| | Charge | kg | 3.4 |
| | Additional Charge | g/m | 20 |
| | GWP | | 2087.5 |
| | t-CO ₂ eq | | 7.098 |
| Operation Range (Outdoor) | Cooling | Min / Max °C DB | -10 ~ 48 |
| | Heating | Min / Max °C WB | -25 ~ 18 |
| Power Supply | | Ø, V, Hz | 1,220-240, 50 |
| Power Supply Cable | | No. x mm ² | 3C × 3.5 |
| Transmission Cable | | No. x mm ² | 4C × 0.75 |
| Circuit Breaker | | A | 40 |
| Piping Length Total | | m | 85 |
| Piping Length per Branch | Max | m | 25 |
| Piping Elevation Difference | IDU - ODU | Max | 15 |
| | IDU - IDU | Max | 7.5 |
| Piping Connection | Liquid | mm (inch) x No. | Ø6.35 (1/4) × 5 |
| | Gas | mm (inch) x No. | Ø9.52 (3/8) × 5 |

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

※ This Product is available from Apr.2020

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.

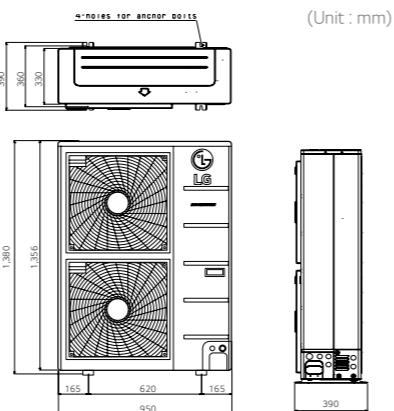
5. Minimum combination capacity rate should be more than 40%.

6. This product contains fluorinated greenhouse gases. (R410A)

OUTDOOR UNITS



FM40AH
FM48AH
FM56AH



| OUTDOOR | | FM40AH U34 | FM48AH U34 | FM56AH U34 |
|--|---------------------------------|--------------------|--------------------|--------------------|
| Compressor | Type | - | Scroll | Scroll |
| Capacity* | Cooling | Min / Nom / Max kW | 2.8 / 12.3 / 15.4 | 3.3 / 14.1 / 17.0 |
| | Heating | Min / Nom / Max kW | 3.1 / 13.5 / 16.2 | 3.7 / 16.0 / 17.3 |
| Low Temperature Capacity | Heating | Max kW | 12.5 | 14.5 |
| Power Input* | Cooling | Min / Nom / Max kW | 0.82 / 2.42 / 4.90 | 0.96 / 3.12 / 5.30 |
| | Heating | Min / Nom / Max kW | 0.89 / 2.87 / 5.10 | 1.06 / 3.76 / 5.40 |
| Running Current* | Cooling | Min / Nom / Max A | 3.7 / 11.0 / 22.2 | 4.4 / 14.1 / 24.0 |
| | Heating | Min / Nom / Max A | 4.0 / 13.0 / 23.1 | 4.8 / 17.0 / 24.5 |
| EER | | | 5.08 | 4.51 |
| COP | | | 4.70 | 4.25 |
| SEER | | | 7.40 | 7.20 |
| SCOP | | | 4.20 | 4.20 |
| Pdesign(@-10°C) | kW | | 8.6 | 9.5 |
| Seasonal Energy Label (A++ to E Scale) | Cooling / Heating | - / - | - / - | - / - |
| Annual Energy Consumption | Cooling / Heating | kWh | 981 / 2,867 | 1,167 / 3,167 |
| Air Flow Rate | Nom | m³/min x No. | 110 | 110 |
| Sound Pressure Level | Cooling | Nom dB(A) | 51 | 53 |
| | Heating | Nom dB(A) | 53 | 55 |
| Sound Power Level | Cooling | Max dB(A) | 69 | 71 |
| | Heating | Max dB(A) | 70 | 72 |
| Dimensions | W x H x D | mm | 950 x 1,380 x 330 | 950 x 1,380 x 330 |
| Net Weight | kg | | 87 | 87 |
| Refrigerant | Type | - | R410A | R410A |
| | Charge | kg | 4,200 | 4,200 |
| | Additional Charging Volume | g/m | 20 | 20 |
| | GWP (Global Warming Potential) | - | 2,087.5 | 2,087.5 |
| | t-CO ₂ eq | - | 8.768 | 8.768 |
| Operation Range (Outdoor) | Cooling | Min ~ Max °C DB | -10 ~ 48 | -10 ~ 48 |
| | Heating | Min ~ Max °C WB | -25 ~ 18 | -25 ~ 18 |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Supply Cable | No. x mm² | 3C x 4.0 | 3C x 4.0 | 3C x 4.0 |
| Transmission Cable | ODU-BD | No. x mm² | 4C x 1.25 | 4C x 1.25 |
| | BD-IDU | No. x mm² | 4C x 0.75 | 4C x 0.75 |
| Circuit Breaker | A | | 40 | 40 |
| Max Piping Length | Total Piping(Main+Total Branch) | m | 125 | 135 |
| | Main Piping | m | 55 | 55 |
| | Total Branch Piping | m | 70 | 80 |
| | Each Branch Piping | m | 15 | 15 |
| Piping Elevation Difference | IDU-ODU | Max m | 30 | 30 |
| | IDU-IDU | Max m | 15 | 15 |
| Piping Connections | Liquid mm (inch) x No. | 09.52 x 1 | 09.52 x 1 | 09.52 x 1 |
| | Gas mm (inch) x No. | 019.05 x 1 | 019.05 x 1 | 019.05 x 1 |

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

※ This Product is available from Apr2020

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.

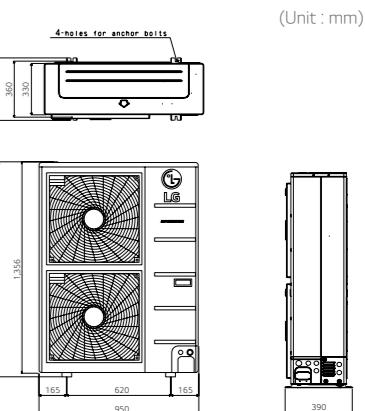
5. Minimum combination capacity rate should be more than 40%.

6. This product contains fluorinated greenhouse gases. (R410A)

OUTDOOR UNITS



FM41AH
FM49AH
FM57AH



| OUTDOOR | | FM41AH U34 | FM49AH U34 | FM57AH U34 |
|--|---------------------------------|--------------------|--------------------|--------------------|
| Compressor | Type | - | Scroll | Scroll |
| Capacity* | Cooling | Min / Nom / Max kW | 2.8 / 12.3 / 15.4 | 3.3 / 14.1 / 17.0 |
| | Heating | Min / Nom / Max kW | 3.1 / 13.5 / 16.2 | 3.7 / 16.0 / 17.3 |
| Low Temperature Capacity | Heating | Max kW | 12.5 | 14.5 |
| Power Input* | Cooling | Min / Nom / Max kW | 0.82 / 2.42 / 4.90 | 0.96 / 3.12 / 5.30 |
| | Heating | Min / Nom / Max kW | 0.89 / 2.87 / 5.10 | 1.06 / 3.76 / 5.40 |
| Running Current* | Cooling | Min / Nom / Max A | 1.2 / 3.6 / 7.4 | 1.4 / 4.7 / 8.0 |
| | Heating | Min / Nom / Max A | 1.3 / 4.3 / 7.7 | 1.6 / 5.7 / 8.1 |
| EER | | | 5.08 | 4.51 |
| COP | | | 4.70 | 4.25 |
| SEER | | | 7.40 | 7.20 |
| SCOP | | | 4.20 | 4.20 |
| Pdesign(@-10°C) | kW | | 8.6 | 9.5 |
| Seasonal Energy Label (A++ to E Scale) | Cooling / Heating | - | - / - | - / - |
| Annual Energy Consumption | Cooling / Heating | kWh | 981 / 2,867 | 1,167 / 3,167 |
| Air Flow Rate | Nom | m³/min x No. | 110 | 110 |
| Sound Pressure Level | Cooling | Nom dB(A) | 51 | 53 |
| | Heating | Nom dB(A) | 53 | 55 |
| Sound Power Level | Cooling | Max dB(A) | 69 | 71 |
| | Heating | Max dB(A) | 70 | 72 |
| Dimensions | W x H x D | mm | 950 x 1,380 x 330 | 950 x 1,380 x 330 |
| Net Weight | kg | | 87 | 87 |
| Refrigerant | Type | - | R410A | R410A |
| | Charge | kg | 4,200 | 4,200 |
| | Additional Charging Volume | g/m | 20 | 20 |
| | GWP (Global Warming Potential) | - | 2,087.5 | 2,087.5 |
| | t-CO ₂ eq | - | 8.768 | 8.768 |
| Operation Range (Outdoor) | Cooling | Min ~ Max °C DB | -10 ~ 48 | -10 ~ 48 |
| | Heating | Min ~ Max °C WB | -25 ~ 18 | -25 ~ 18 |
| Power Supply | Ø, V, Hz | 1, 380-415, 50 | 3, 380-415, 50 | 3, 380-415, 50 |
| Power Supply Cable | No. x mm² | 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 | No. x mm² | 4C x 0.75 | 4C x 0.75 |
| Circuit Breaker | A | | 20 | 20 |
| Max Piping Length | Total Piping(Main+Total Branch) | m | 125 | 135 |
| | Main Piping | m | 55 | 55 |
| | Total Branch Piping | m | 70 | 80 |
| | Each Branch Piping | m | 15 | 15 |
| Piping Elevation Difference | IDU-ODU | Max m | 30 | 30 |
| | IDU-IDU | Max m | 15 | 15 |
| Piping Connections | Liquid mm (inch) x No. | 09.52 x 1 | 09.52 x 1 | 09.52 x 1 |
| | Gas mm (inch) x No. | 019.05 x 1 | 019.05 x 1 | 019.05 x 1 |

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

※ This Product is available from Apr2020

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.

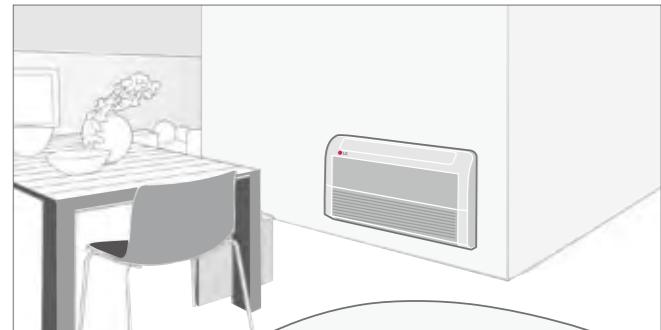
5. Minimum combination capacity rate should be more than 40%.

6. This product contains fluorinated greenhouse gases. (R410A)

CEILING & FLOOR CONVERTIBLE

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.



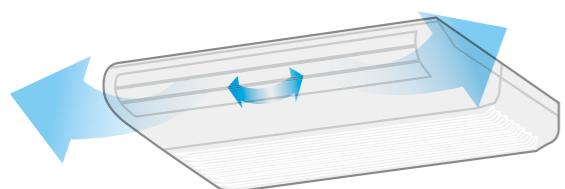
※ Ceiling & Floor : CV09 NE2 / CV12 NE2



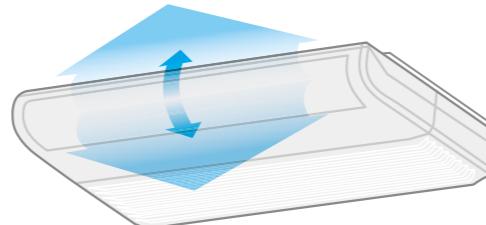
Air Flow Direction Control

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

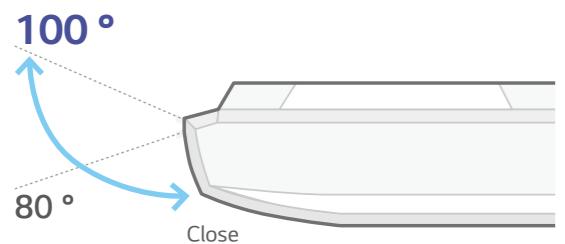
Horizontal



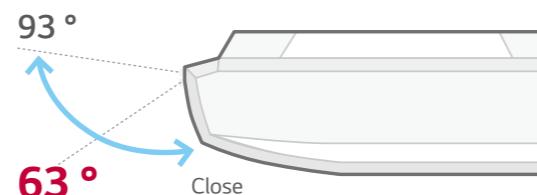
Air flow



Cooling



Heating



CEILING & FLOOR CONVERTIBLE

| CAPACITY (KW) | 2.6 | 3.5 | 5.3 | 7.0 |
|---------------|-----|-----|-----|-----|
|---------------|-----|-----|-----|-----|

Ceiling & Floor Convertible



CV09 NE2

CV12 NE2

Ceiling & Floor Convertible

| INDOOR | CV09 NE2 | CV12 NE2 |
|------------------------------|--------------------------|-----------------|
| Capacity | Cooling / Heating Nom kW | 2.6 / 2.9 |
| Power Input | Nom W | 30 |
| Running Current | Nom A | 0.4 |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 |
| Air Flow Rate | H / M / L m³/min | 7.6 / 6.9 / 6.2 |
| Sound Pressure | Cooling H / M / L dB(A) | 38 / 35 / 31 |
| Sound Power | Cooling Max dB(A) | 52 |
| Dehumidification Rate | I/h | 1.2 |
| Dimensions | Body W x H x D mm | 900 x 490 x 200 |
| Net Weight | Body kg | 13.7 |
| Piping Connection | Liquid mm (inch) | Ø6.35 (1/4) |
| | Gas mm (inch) | Ø9.52 (3/8) |

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

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

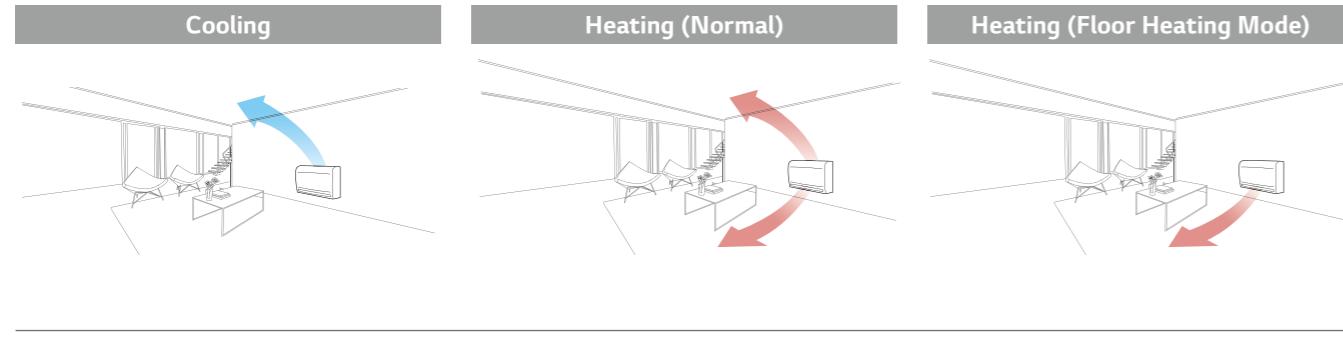
Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
Piping Length - Interconnecting Piping Length 7.5m - Level 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)

CONSOLE

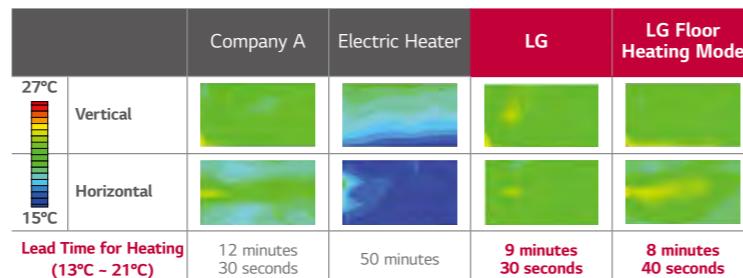
Optimized Air Flow for Cooling & Heating

During cooling operation, the vane adjusts upwards to direct air flow toward the ceiling. During heating operation, the van directs the air flow toward the floor to balance out the room temperature. A wireless controller is included with the indoor console unit.



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.



(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.



CONSOLE

| CAPACITY (KW) | 2.6 | 3.5 | 5.3 |
|---------------|-----|-----|-----|
|---------------|-----|-----|-----|

| | | | | |
|---------|--|----------|----------|----------|
| Console | | CQ09 NAO | CQ12 NAO | CQ18 NAO |
|---------|--|----------|----------|----------|

Console

| INDOOR | CQ09 NAO |
|-----------------------|-----------------------------------|
| Capacity | Cooling / Heating Nom kW |
| Power Input | Nom W |
| Running Current | Nom A |
| Power Supply | Ø, V, Hz |
| Air Flow Rate | H / M / L m³/min |
| Sound Pressure | Cooling H / M / L dB(A) |
| Sound Power | Cooling Max dB(A) |
| Dehumidification Rate | l/h |
| Dimensions | Body W x H x D mm |
| Net Weight | Body kg |
| Piping Connection | Liquid mm (inch) Gas mm (inch) |

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

| INDOOR | CQ12 NAO | CQ18 NAO |
|-----------------------|-----------------------------------|----------------------------|
| Capacity | Cooling / Heating Nom kW | 3.5 / 3.9 |
| 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 m³/min | 9.0 / 6.9 / 5.2 |
| Sound Pressure | Cooling H / M / L dB(A) | 39 / 32 / 27 |
| Sound Power | Cooling Max dB(A) | 56 |
| Dehumidification Rate | l/h | 1.4 |
| Dimensions | Body W x H x D mm | 700 x 600 x 210 |
| Net Weight | Body kg | 14.0 |
| Piping Connection | Liquid mm (inch) Gas mm (inch) | Ø6.35 (1/4) Ø9.52 (3/8) |

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

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)

LG WI-FI MODEM

Control LG air conditioners via using the internet devices as Android or iOS bases smartphones.



PWFMD200

Features

- Access LG air conditioner anytime and from anywhere with Wi-Fi equipped device.
- LG's exclusive Home Appliances control app(LG ThinQ) is available.
- Simple operation for various functions.
 - On / Off
 - Operation Mode
 - Fan Speed
 - Energy Monitoring¹⁾
 - Current / Set Temperature
 - Vane Control²⁾
 - Filter Management
 - Reservation (Sleep, Weekly On / Off)
 - Error check

| MODEL NAME | PWFMD200 |
|--------------------------|---|
| Size (W x H x D, mm) | 48 x 68 x 14 |
| Interfaceable Products | Multi Indoor unit ³⁾ |
| Connection Type | Indoor unit 1:1 |
| Communication Frequency | 2.4 GHz |
| Wireless Standards | IEEE 802.11b/g/n |
| Mobile Application | LG ThinQ (Android v4.1(Jellybean) or higher, iPhone iOS 9.0 or higher) |
| Optional Extension Cable | PWYREW000 (10m extension) |

※ Functionality may be different according to each IDU model.

※ User interface of application shall be revised for its design and contents improvement.

※ Application is optimized for smartphone use, so it may not be well functioning with tablet devices.

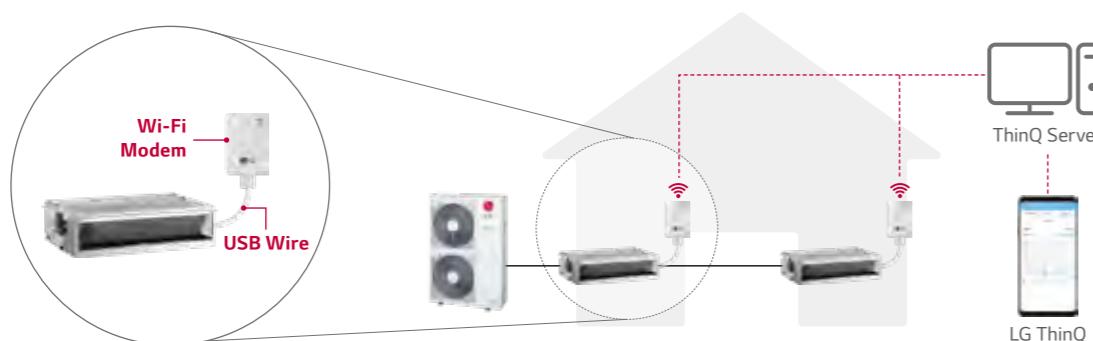
1) LG Centralized controller and PDI installation is required for this function.

2) Vane Control may not be possible according to the type of Indoor unit.

3) For the compatibility with Indoor unit, please contact regional office.



Overview



※ Search "LG ThinQ" on Google market or Appstore then download the app.
※ Internet service with Wi-Fi connection has to be available.

ACCESSORIES

Standard Wired Remote Controller

Standard III



PREMTB100

Standard II



PREMTBB10



PREMTB001

| Model Name | PREMTB100 PREMTBB10 | PREMTB001 PREMTBB01 |
|-------------------------------------|--|---|
| Operation Mode | On / Off, Fan Speed Control, Temperature Setting | Cooling / Heating / Auto / Dehumidification / Fan |
| Mode Change | | |
| Auto Swing / Vane Control | • | • |
| Reservation | Simple / Sleep / On, Off / Weekly / Holiday | |
| Time Display | • | • |
| Electrical Failure Compensation | • | • |
| Child Lock | • | • |
| Operation Status LED | • | • |
| Indoor Temperature Display | • | • |
| Wireless Remote Controller Receiver | - | • |
| Size (W x H x D, mm) | 120 x 120 x 16 | 120 x 121 x 16 |
| Backlight | • | • |

※ Refer to each model PDB for applicable models.

Remote Controller



PQWRHQ0FDB

PI 485



PMNFP14A1

Power : Single phase AC 220V 50/60Hz

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

Model applied : RAC / Multi / Single / Therma V

※ Refer to each product PDB for applicable models.

Dry Contact



PDRYCB000



PDRYCB400



PDRYCB300



PDRYCB500

| MODEL | PDRYCB000 | PDRYCB400 | PDRYCB300 | PDRYCB500 |
|-----------------------------|-----------------------------------|----------------------------------|----------------------------------|-----------------------------------|
| Contact Point | 1 Control Point | 2 Control Point | 8 Control Point | Modbus RTU |
| Power Input | AC 220V from outside power source | DC 5V & 12V from indoor unit PCB | DC 5V & 12V from indoor unit PCB | DC 5V & 12 V from indoor unit PDB |
| Voltage / Non Voltage Input | - | • | • | - |
| On / Off Control | • | • | • | • |
| Lock / Unlock | • | • | • | • |
| Fan Speed Setting | - | - | • | • |
| Thermo Off | - | • | • | - |
| Energy Saving | - | • | - | - |
| Temperature Setting | - | • | • | • |
| Error Monitoring | • | • | • | • |
| Operation Monitoring | • | • | • | • |

※ Refer to each product PDB for applicable models.

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



Specification

| MODEL NAME | 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 | 5k / 7k / 9k / 12k / 18k / 24k |
| Power Source | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Consumption | W | 10 | 10 | 10 |
| Running Current | A | 0.05 | 0.05 | 0.05 |
| Dimensions | W x H x D mm (inch) | 302 × 143 × 252 (11.9 × 5.6 × 9.9) | 302 × 143 × 252 (11.9 × 5.6 × 9.9) | 302 × 143 × 252 (11.9 × 5.6 × 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) × 2EA | Ø6.35 (1/4) × 3EA | Ø6.35 (1/4) × 4EA |
| | Gas mm (inch) | Ø9.52 (3/8) × 2EA | Ø9.52 (3/8) × 3EA | Ø9.52 (3/8) × 4EA |
| Hanger (Bracket) EA | 4 | 4 | 4 | 4 |
| Accessories | Screw EA | 8 | 8 | 8 |
| | Manual EA | 1 | 1 | 1 |

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

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.

ACCESSORIES

Y Branch and Branch Kit

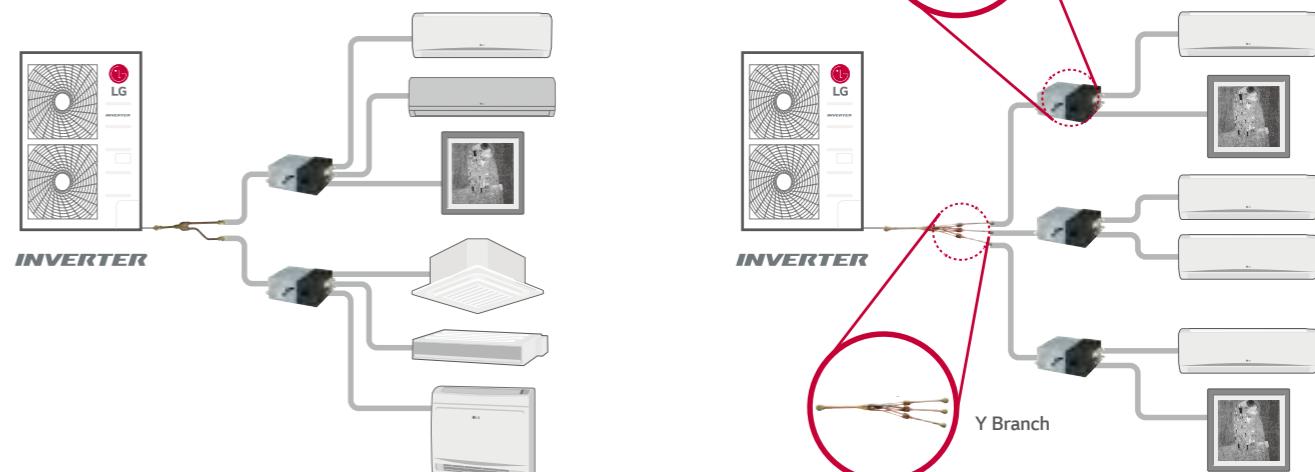
PMBL5620 (2 units) / PMBL1203F0 (3 units)



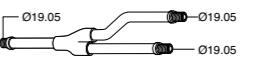
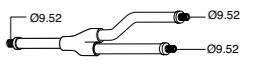
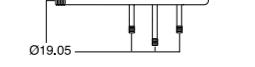
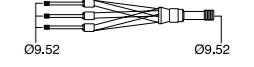
Features

- 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

| MODEL NAME | NO. OF BRANCH DISTRIBUTION UNITS | APPLICABLE MODEL | SPECIFICATION |
|------------|----------------------------------|------------------|---|
| | | | GAS LIQUID |
| PMBL5620 | 2 Units | 10, 30 |   |
| PMBL1203F0 | 3 Units | 10, 30 |   |

COMMERCIAL

SINGLE SPLIT



LINE - UP

H-INVERTER (R32)

| | | H-INVERTER (R32) | | | | STANDARD INVERTER (R32) | | | | | | | | | | |
|--------|------|------------------|--------------------------|------------------------|-------------------|-------------------------|-----------|-----------|--------------------------|------------------------|-------------------|------------------------|---------|----|----|--|
| kBtu/h | kW | Type | Ceiling Mounted Cassette | Ceiling Concealed Duct | Ceiling Suspended | ODU | 1Ø | 3Ø | Ceiling Mounted Cassette | Ceiling Concealed Duct | Ceiling Suspended | Console / Wall Mounted | ODU | 1Ø | 3Ø | |
| 9 | 2.5 | | | | | | | | | | | | | | | |
| | | UT09FH NQ0 | | | | UUA1 ULO | CT09F NRO | CL09F N50 | UQ09 NAO | | | | | | | |
| 12 | 3.4 | | | | | | | | | | | | | | | |
| | | UT12FH NQ0 | UM12FH N10 | UL12FH N50 | | | CT12F NRO | CL12F N50 | UQ12 NAO | | | | | | | |
| 18 | 5.0 | | | | | | | | | | | | | | | |
| | | UT18FH N80 | UM18FH N10 | UL18FH N30 | UV18FH N10 | UUB1 U20 | CT18F NQ0 | CM18F N10 | CL18F N60 | UV18F N10 | UQ18 NAO | UUB1 U20 | | | | |
| 24 | 6.8 | | | | | | | | | | | | | | | |
| | | UT24FH NAO | UM24FH N20 | | | UUC1 U40 | CT24F N80 | CM24F N10 | CL24F N30 | UV24F N10 | | UUC1 U40 | | | | |
| 30 | 8.0 | | | | | | | | | | | | | | | |
| | | UT30FH NAO | UM30FH N20 | | | UV30FH N20 | UT30F N80 | UM30F N10 | | UV30F N10 | US30F NRO | | | | | |
| 36 | 9.5 | | | | | | | | | | | | | | | |
| | | UT36FH NAO | UM36FH N30 | | | UV36FH N20 | UT36F NAO | UM36F N20 | | UV36F N20 | US36F NRO | | | | | |
| 42 | 12.0 | | | | | | | | | | | | | | | |
| | | UT42FH NAO | UM42FH N30 | | | UV42FH N20 | UU1 U30 | UU3 U30 | UT42F NAO | UM42F N20 | | UU1 U30 | UU3 U30 | | | |
| 48 | 13.4 | | | | | | | | | | | | | | | |
| | | UT48FH NAO | UM48FH N30 | | | UV48FH N20 | UT48F NAO | UM48F N30 | | UV48F N20 | | | | | | |
| 60 | 14.6 | | | | | | | | | | | | | | | |
| | | UT60FH NAO | | | | UV60FH N20 | UT60F NAO | UM60F N30 | | UV60F N20 | | | | | | |
| 70 | 20.0 | | | | | | | | | | | | | | | |
| 85 | 25.0 | | | | | | | | | | | | | | | |

LINE - UP

COMPACT INVERTER (R32)

| | | COMPACT INVERTER (R32) | | | | STANDARD INVERTER (R410A) | | | | | | | |
|--------|------|------------------------|--------------------------|------------------------|-------------------|---------------------------|----------|----|--------------------------------------|----------------|-----------|-----------|----|
| kBtu/h | kW | Type | Ceiling Mounted Cassette | Ceiling Concealed Duct | Ceiling Suspended | Wall Mounted | ODU | 1Ø | Ceiling Concealed Duct (High Static) | Floor Standing | ODU | 1Ø | 3Ø |
| 9 | 2.5 | | | | | | | | | | | | |
| 12 | 3.4 | | | | | | | | | | | | |
| 18 | 5.0 | | | | | | | | | | | | |
| 24 | 6.8 | | | | | | | | | | | | |
| 30 | 8.0 | | | | | | | | | | | | |
| 36 | 9.5 | | | | | | | | | | | | |
| 42 | 12.0 | | | | | | | | | | | | |
| 48 | 13.4 | | | | | | | | | | | | |
| 60 | 14.6 | | | | | | | | | | | | |
| 70 | 20.0 | | | | | | | | | | | | |
| 85 | 25.0 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | UB70 N94 | | | | | UP48 NT2 | | UU48W U32 | | UU70W U34 | | |
| | | | | | | | | | | | | UU85W U74 | |

SINGLE SPLIT



FEATURE OVERVIEW

| Category | H-Inverter (R32) | | | | | | | | | |
|--------------------------------|--|-----|-----|-----|-----|-----|------|------|------|----|
| | kBtu/h | 9 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 60 |
| kW | 2.5 | 3.4 | 5.0 | 6.8 | 8.0 | 9.5 | 12.0 | 13.4 | 14.6 | |
| Supreme Energy Efficiency | BLDC Comp & Fan Motor | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Eurovent Certi. | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | High Level SEER / SCOP | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Variable Voltage Control | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Wide Louver Fin | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Optimised Heat Exchanger Path | | ● | ● | ● | ● | ● | ● | ● | ● |
| | Power Saving Start up | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Peak Current Control | | ● | ● | ● | ● | ● | ● | ● | ● |
| | Mode Lock | ●* | ●* | ● | ● | ● | ● | ● | ● | ● |
| | Standby Mode | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Comfort Environment | Comfort Cooling with Humidity sensor** | | ● | ● | ● | ● | ● | ● | ● | ● |
| | Night Silent Operation | | ● | ● | ● | ● | ● | ● | ● | ● |
| | Continuous Cooling Operation | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| High Performance & Reliability | Quick & Reliable Operation | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | R1 Compressor | | | | ● | ● | ● | ● | ● | ● |
| | Corrision resistance Black Fin | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Convenient Control System | Long Pipe Installation | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | LG ThinQ*** | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Easy Control (PI-485 Connection) | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Enhanced Application | 1 Point External Input**** | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Forced Cooling Operation | | ● | ● | ● | ● | ● | ● | ● | ● |
| | Mobile LG MV | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Enhanced Application | Weekly Program***** | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Synchro function | | | | | | | | | |
| | Connection with AHU | | ● | ● | ● | ● | ● | ● | ● | ● |

* With controller PREMTB001 / PREMTBB01 / PREMTB100 / PREMTBB10

** Available only for Ceiling Mounted cassette (840 x 840), Ceiling Suspended, Console models.

*** Available with LG Wi-Fi modem(PWFMD200) and it should be connected to the indoor unit.

**** Available except for Wall Mounted Unit.

***** Weekly program is available with wired remote controller.

| Category | Standard Inverter (R32) | | | | | | | | Compact Inverter (R32) | | | | |
|--------------------------------|--|-----|-----|-----|-----|-----|------|------|------------------------|-----|-----|-----|-----|
| | kBtu/h | 9 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 60 | 18 | 24 | 30 |
| kW | 2.5 | 3.4 | 5.0 | 6.8 | 8.0 | 9.5 | 12.0 | 13.4 | 14.6 | 5.0 | 6.8 | 8.0 | 9.5 |
| Supreme Energy Efficiency | BLDC Comp & Fan Motor | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Eurovent Certi. | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | High Level SEER / SCOP | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Variable Voltage Control | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Wide Louver Fin | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Optimised Heat Exchanger Path | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Power Saving Start up | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Peak Current Control | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Mode Lock | ●* | ●* | ● | ● | ● | ● | ● | ● | ● | ●* | ● | ● |
| | Standby Mode | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Comfort Environment | Comfort Cooling with Humidity sensor** | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Night Silent Operation | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Continuous Cooling Operation | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| High Performance & Reliability | Quick & Reliable Operation | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | R1 Compressor | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Corrision Resistance Black Fin | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Convenient Control System | Long Pipe Installation | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | LG ThinQ*** | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Easy Control (PI-485 Connection) | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Enhanced Application | 1 Point External Input**** | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Forced Cooling Operation | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Mobile LG MV | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Enhanced Application | Weekly Program***** | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Synchro function | | | | | | | | | | | | |
| | Connection with AHU | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

* With controller PREMTB001 / PREMTBB01 / PREMTB100 / PREMTBB10

** Available only for Ceiling Mounted cassette (840 x 840), Ceiling Suspended, Console models.

*** Available with LG Wi-Fi modem(PWFMD200) and it should be connected to the indoor unit.

**** Available except for Wall Mounted Unit.

***** Weekly program is available with wired remote controller.

WHY LG SINGLE SPLIT?

Triple Line-up for On-site Customization

LG's commercial triple line-up provides more customizable options for unique customer needs and installation requirements.

| H-INVERTER (R32) | STANDARD INVERTER (R32) | COMPACT INVERTER (R32) |
|---|--|---|
|  32 Sets |  45 Sets |  16 Sets |

| LINE-UP | DESCRIPTION | 9K (2.5kW) | 12K (3.4kW) | 18K (5.0kW) | 24K (6.8kW) | 30K (8.0kW) | 36K (9.5kW) | 42K (12.0kW) | 48K (13.4kW) | 60K (14.6kW) |
|--------------------------------|---|---|---|---|---|----------------|----------------|-----------------|-----------------|-----------------|
| H-INVERTER (R32) | High Performance - Suitable for high quality functions - Maximum pipe length up to 85m * - Floor Detection Sensor (Default) - Wide Cooling operation range (-20°C ~ 52°C) & 100% Capacity at 48°C * - Wide Heating operation range (-25°C ~ 18°C) & 100% Capacity at -15°C * |  |  |  |  | | | | | |
| STANDARD INVERTER (R32) | Wide Commercial Applications - Suitable for wide commercial applications - Maximum pipe length up to 85m* - Synchro Function over 36k Model (Max 4 IDUs) - Wi-Fi Modem and Floor Detection Sensor (Option) - Wide Cooling operation range (-20°C ~ 52°C)* - Wide Heating operation range (-25°C ~ 18°C)* |  |  |  |  | | | | | |
| COMPACT INVERTER (R32) | Compact & Cost Effective - Suitable for busy environments and small shops - Very compact and easy to install - Maximum pipe length up to 50m* - Wi-Fi Modem and Floor Detection Sensor (Option) - Cooling operation range (-20°C ~ 50°C)* - Heating operation range (-15°C ~ 18°C)* |  |  |  | | | | | | |

* This specification can be different as per each model or combination.

Application : Premium residences & office spaces

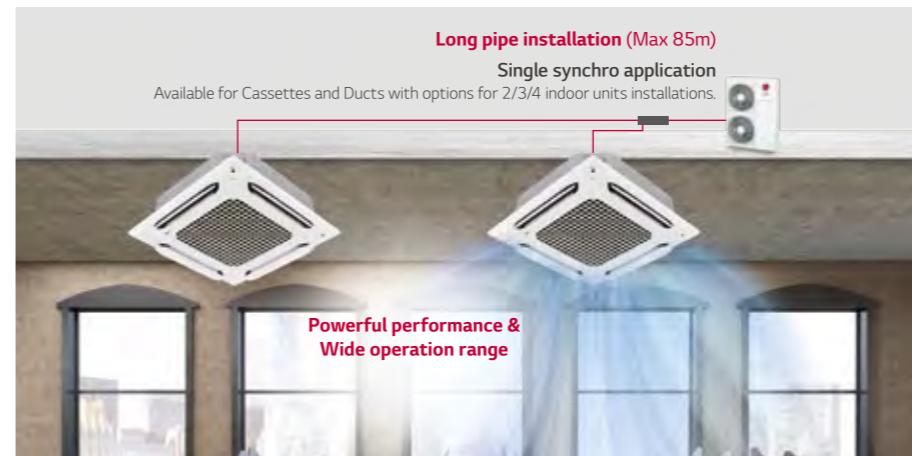
Solution : H-Inverter



※ Based on maximum operation.

Application : Large restaurant & cafes

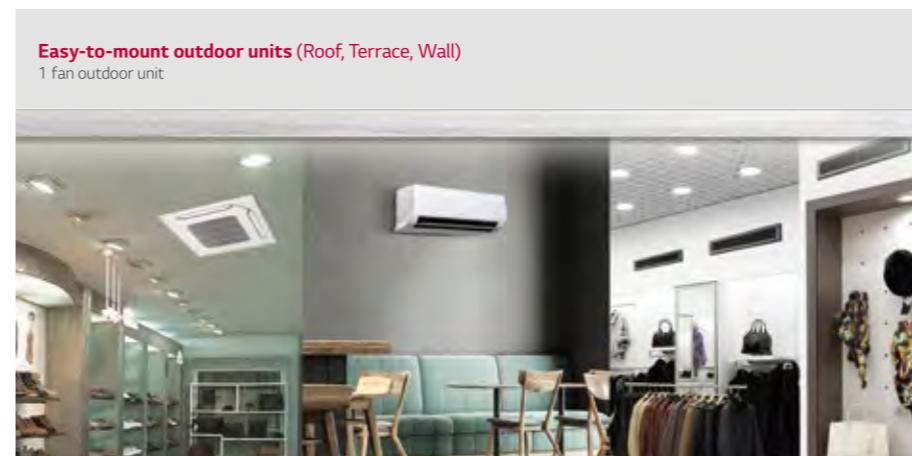
Solution : Standard Inverter



※ Accessories are ordered and purchased separately and Installed at field.

Application : Small shops

Solution : Compact Inverter



※ Accessories are ordered and purchased separately and Installed at field.

High Performance



High energy savings
Seasonal efficiency class :
A+++ ~ A+



Powerful cooling & heating
under harsh conditions*



Maximum pipe length up
to 85m



Comfort heating with
floor sensor
(with premium panel)



Embedded Drain Pump



Connection with AHU

※ The indoor unit functions is an example of cassette model.

※ The specification can be different as per each model or combination.

Wide commercial applications



Wide operation range
Cooling (DB) : -20 ~ 52 °C
Heating (WB) : -25 ~ 18 °C



Maximum pipe length up
to 85m



Synchro Function over
36k Model (Max 4 IDUs)



Connection with AHU



On-demand accessories*
Wi-Fi, Drain pump, Human detection

※ The specification can be different as per each model or combination.

Compact & Cost Effective



Very compact and
easy to install



Maximum pipe length
up to 50m



Connection with AHU



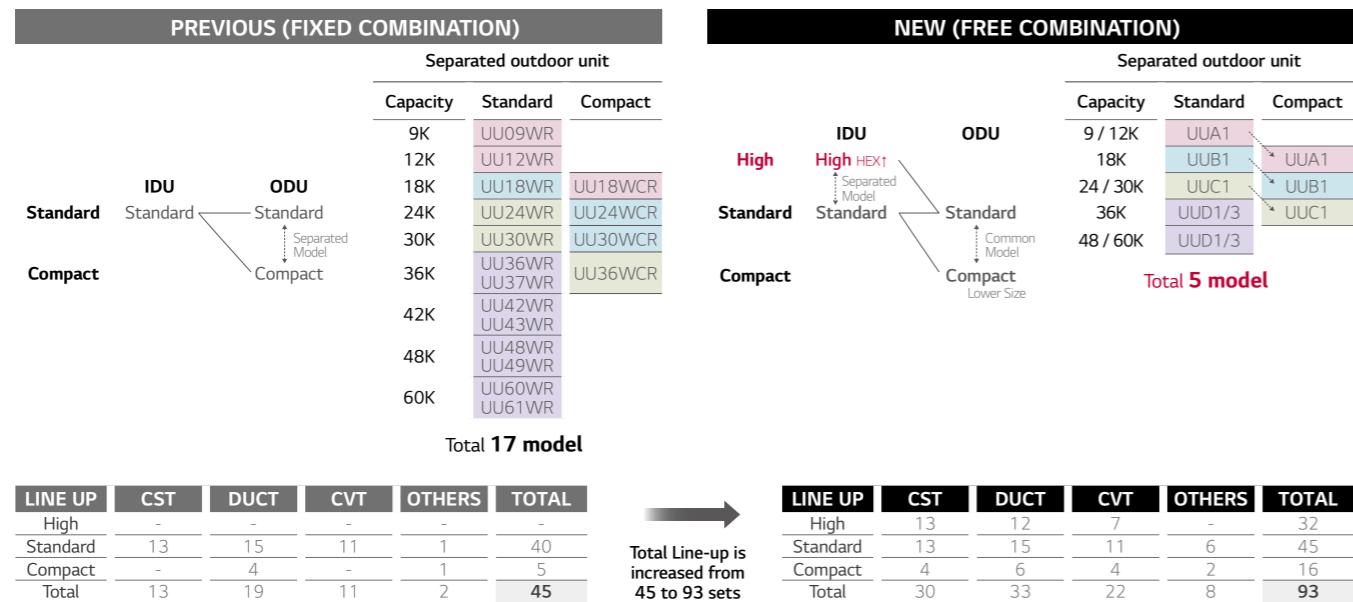
On-demand accessories*
Wi-Fi, Drain pump, Human detection

※ The specification can be different as per each model or combination.

WHY LG SINGLE SPLIT?

Free Combination

By applying concept of free combination, the total line-up increases from 45 to 93 sets while number of outdoor unit is decreased from 17 EA to 5 EA.



Expanded Product Type

LG Single split expands from double to triple line-up including various types of indoor units.

| CAPACITY | H-INVERTER (R32) | | | STANDARD INVERTER (R32) | | | COMPACT INVERTER (R32) | | |
|----------|------------------|------------|-----------|-------------------------|------------|------------|------------------------|------------|------------|
| | Duct | | Ceiling | Duct | | Ceiling | Duct | | Ceiling |
| | Cassette | Mid Static | Suspended | Cassette | Mid Static | Low Static | Cassette | Mid Static | Low Static |
| Btu/h | kW | | | | | | | | |
| 9k | 2.5 | UT09FH | | | CT09F | CL09F | UQ09F | | |
| 12k | 3.4 | UT12FH | UM12FH | UL12FH | CT12F | CL12F | UQ12F | | |
| 18k | 5.0 | UT18FH | UM18FH | UL18FH | UV18FH | CT18F | CM18F | CL18F | UV18F |
| 24k | 6.8 | UT24FH | UM24FH | | UV24FH | CT24F | CM24F | CL24F | UV24F |
| 30k | 8.0 | UT30FH | UM30FH | | UV30FH | UT30F | UM30F | | UV30F |
| 36k | 9.5 | UT36FH | UM36FH | | UV36FH | UT36F | UM36F | | UV36F |
| 42k | 12.0 | UT42FH | UM42FH | | UV42FH | UT42F | UM42F | | UV42F |
| 48k | 13.4 | UT48FH | UM48FH | | UV48FH | UT48F | UM48F | | UV48F |
| 60k | 14.6 | UT60FH | | | UT60F | UM60F | | | UV60F |

Common ODU UUA1 UUB1 UUC1 UUD1 (10) UUD3 (30)

770 x 545 x 288 870 x 650 x 330 950 x 834 x 330 950 x 1380 x 330

Differentiated Specification

LG Single Split provides differentiated features (Performance / Installation / Convenience) with each product line.

| Items | H-INVERTER | STANDARD | COMPACT | 19Y Standard (R32) |
|---|------------------|------------------------------|--------------------------|--------------------|
| | High Performance | Wide Commercial Applications | Compact & Cost Effective | |
| SEER Class | A+++ ~ A+ | A++ ~ A+ | A+ ~ A | A++ ~ A+ |
| Cooling Capacity* @48°C | 112% | 105% | 88% | 100% |
| Heating Capacity* @-15°C | 124% | 107% | 98% | 100% |
| Operation Range (Cooling, DB) | -20 ~ 50 °C | -10 ~ 48 °C | -15 ~ 48 °C | -15 ~ 48 °C |
| Operation Range (Heating, WB) | -20 ~ 18 °C | -15 ~ 18 °C | -18 ~ 18 °C | -18 ~ 18 °C |
| Max Pipe Length | 50 m | 35 m | 50 m | 50 m |
| Cooling Capacity @50m | 113% | 109% | - | 100% |
| Drain Pump (Cassette) | ● | ● | ● | ● |
| Drain Pump (Duct, Suspended) | ● | Accessory | Accessory | Accessory |
| Humidity Sensing (Cassette, suspended, console) | ● | ● | ● | ● |
| Wi-Fi (Cassette) | Accessory | Accessory | Accessory | Accessory |
| Floor Detection (Cassette) | ● | N/A | N/A | N/A |
| Air purifying (Cassette) | Accessory | N/A | N/A | N/A |
| Human detection (Cassette) | Accessory | Accessory | Accessory | Accessory |
| Synchro Application | 36k↑ | 36k↑ | N/A | 36k↑ |
| AHU Comm. Kit Application | 18k↑ | 18k↑ | 24k↑ | 18k↑ |

* Based on internal test data for 9.5kW model. (Capacity is calculated compared to 19Y standard model)

** This specification can be different as per each model or combination.

*** In the case of cassette model, note that the function depends on the application of recommended decoration panel.

SUPREME ENERGY EFFICIENCY

SEER / SCOP

LG's advanced technologies achieve world-class energy efficiency.



SEER / SCOP class

| kW | 2.5 | 3.4 | 5.0 | 6.8 | 8.0 | 9.5 | Average |
|------|-----|-----|-----|------|-----|-----|---------|
| SEER | 7.0 | 6.8 | 7.6 | 8.5 | 7.8 | 7.6 | 7.6 |
| A++ | A++ | A++ | A++ | A+++ | A++ | A++ | A++ |
| SCOP | 4.0 | 4.0 | 4.4 | 4.8 | 4.8 | 4.5 | 4.4 |
| A+ | A+ | A+ | A+ | A++ | A++ | A+ | A+ |

* These values are based in the H-Inverter Ceiling Cassette model and can change based on the applied combination.

European Energy Labeling

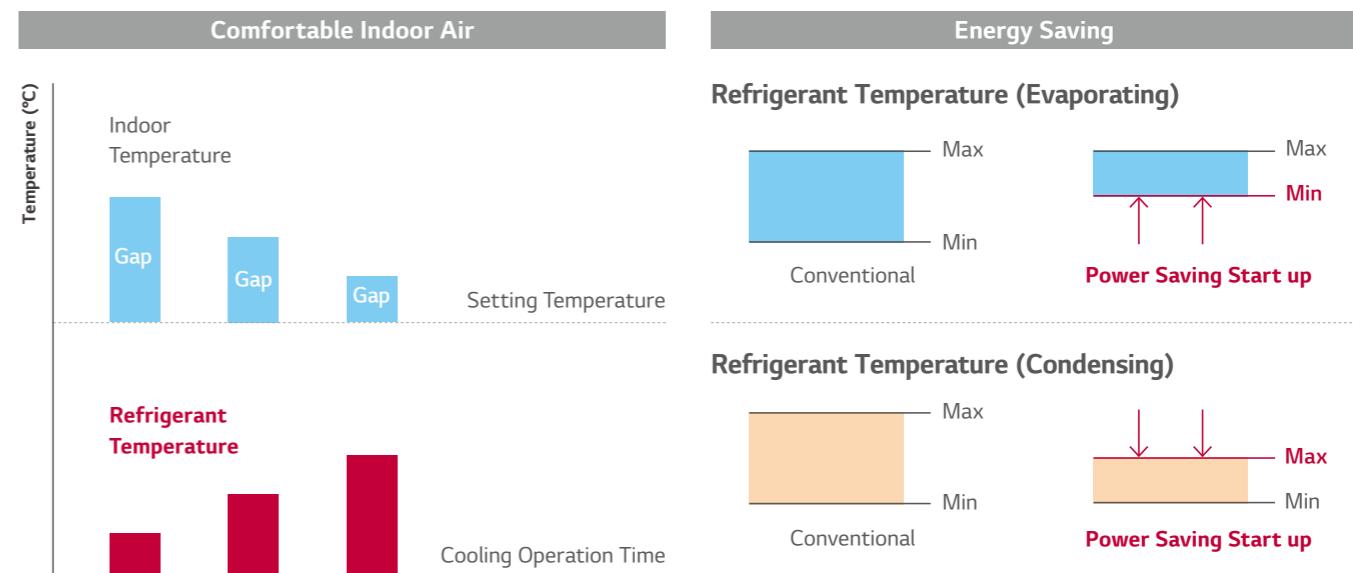
| | SEER | SCOP |
|------|-----------------------|-----------------------|
| A+++ | SEER \geq 8.5 | SCOP 5.1 |
| A++ | 6.1 \leq SEER < 8.5 | 4.6 \leq SCOP < 5.1 |
| A+ | 5.6 \leq SEER < 6.1 | 4.0 \leq SCOP < 4.6 |
| A | 5.1 \leq SEER < 5.6 | 3.4 \leq SCOP < 4.0 |
| B | 4.6 \leq SEER < 5.1 | 3.1 \leq SCOP < 3.4 |
| C | 4.1 \leq SEER < 4.6 | 2.8 \leq SCOP < 3.1 |
| D | 3.6 \leq SEER < 4.1 | 2.5 \leq SCOP 2.8 |

* Based on Ceiling Cassette (6.8 kW)

SUPREME ENERGY EFFICIENCY

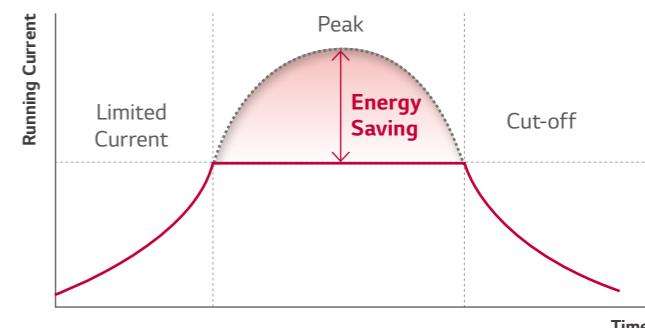
Energy Savings

LG commercial air conditioners will automatically alter the temperature of discharge air by controlling their refrigerant temperature based on the difference between the indoor temperature and the target indoor temperature. During cooling operation, evaporating temperature will increase if the temperature difference reduces. This allows for enhanced comfort and reduced energy consumption.



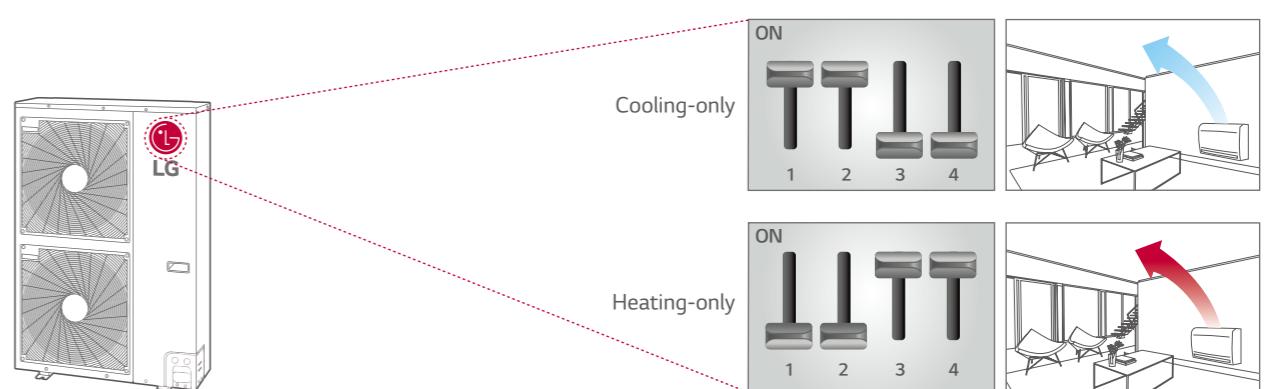
Peak Current Control

The peak current control function prevents the air conditioner from running at the maximum level while maintaining current system settings, in order to reduce energy consumption. This function helps minimize energy costs during the peak periods of energy use when the energy billing is much higher.



Mode Lock

Set the operation mode to either cooling-only or heating-only; either by adjusting the wired remote controller or setting the DIP switch to avoid combined use of cooling and heating. (Some models need wired remote controller for mode lock function according to feature overview table)



COMFORTABLE ENVIRONMENT

Comfort with Temperature & Humidity Sensors

With Dual Sensing Control, air conditioners can rapidly achieve a comfortable indoor environment for customers.



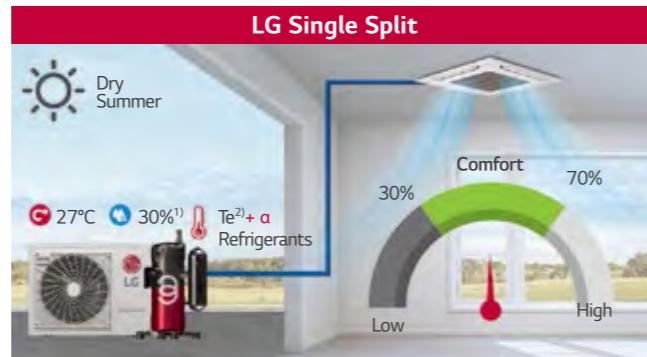
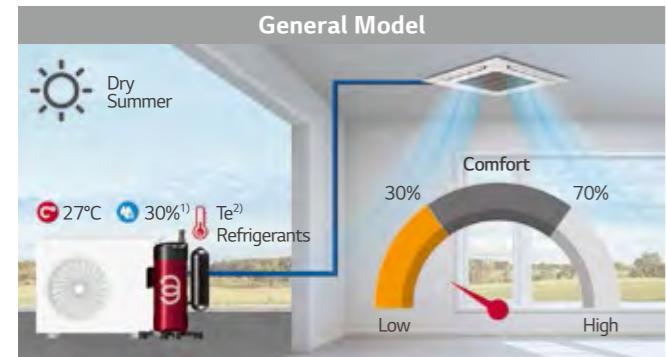
By sensing both temperature and humidity, this feature helps avoid over-cooling and dehumidification, maximizing comfort



※ Comfort cooling apply to Ceiling Cassette, Ceiling Suspended, Console
- It does not apply to small capacity cassette models.
(UT09FH, UT12FH, CT09F, CT12F, CT18F)

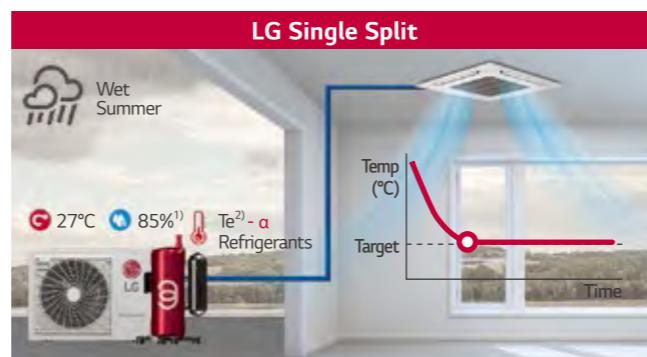
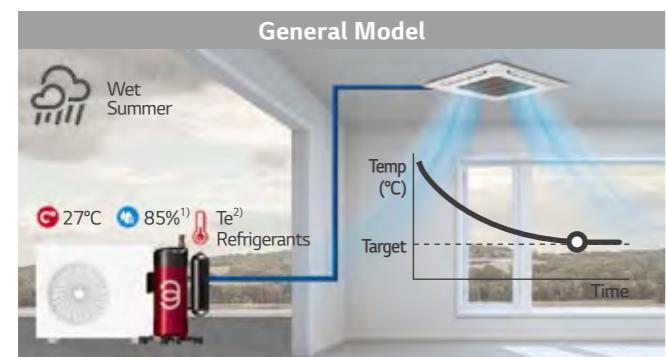
Dry Summer

During a dry summer season, the system senses the low humidity levels and decreases the operating ratio to increase humidity for a more comfortable environment and energy efficient operation.



Wet Summer

During a wet summer season, the system senses the high humidity levels and increases the operating ratio to rapidly decrease humidity for a more comfortable indoor environment.



COMFORTABLE ENVIRONMENT

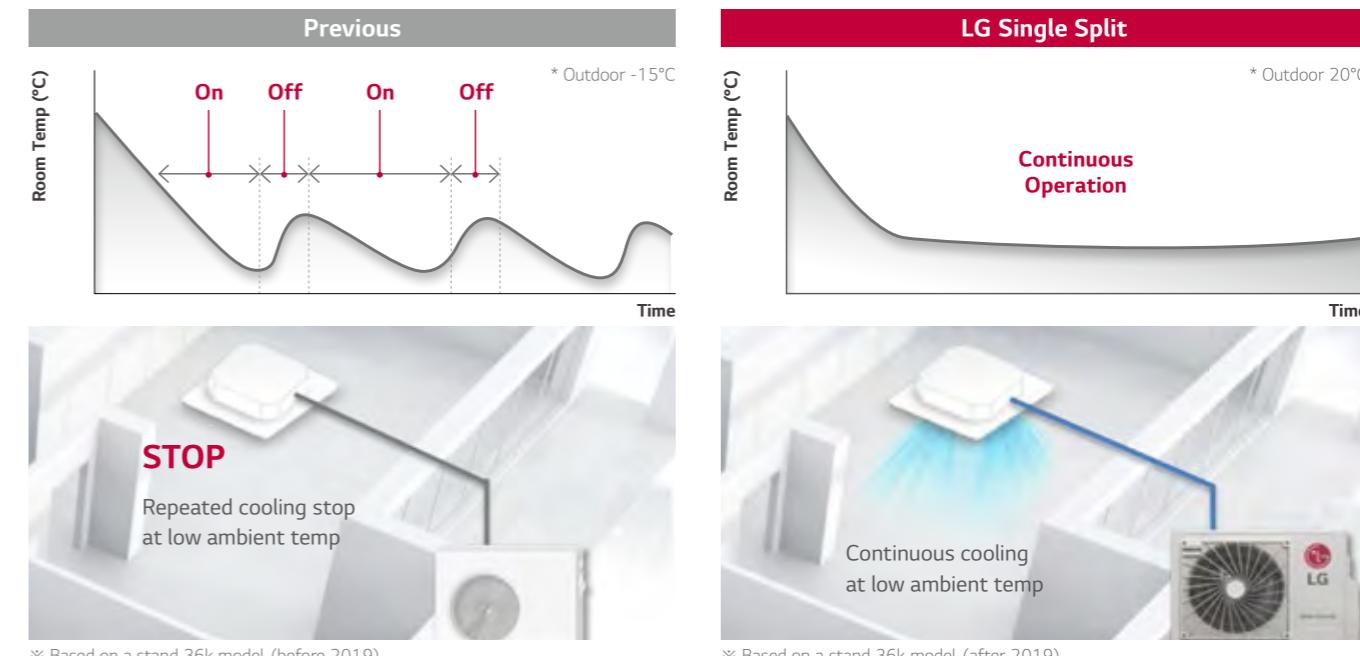
Night Silent Operation

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



Continuous Cooling Operation

LG Single Split is able to perform continuous cooling at low ambient temperature. (as low as -15°C)



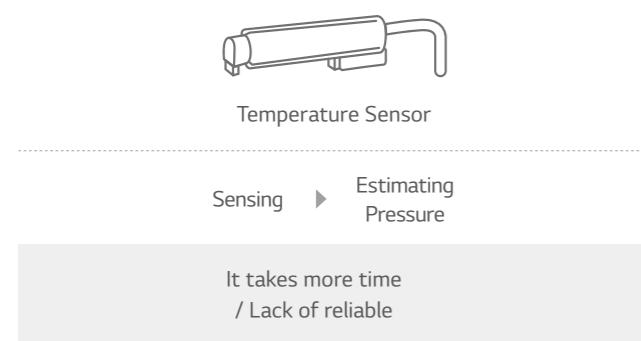
HIGH PERFORMANCE & RELIABILITY

Quick & Reliable Operation

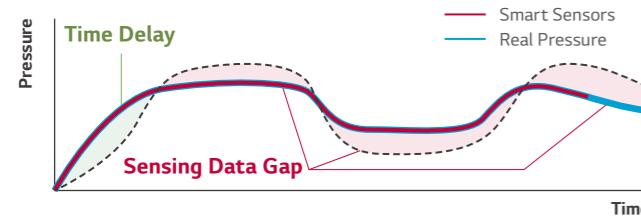
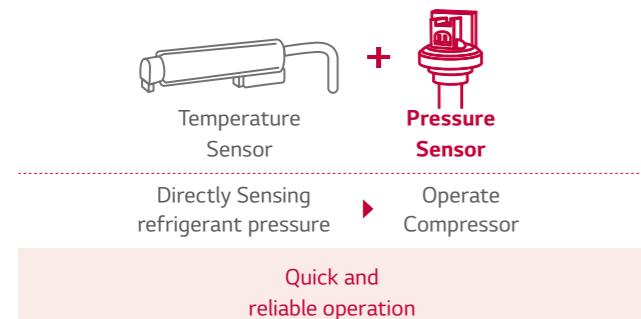
Through pressure and temperature sensing, the desired indoor temperature can be reached more rapidly.

- Quick response due to sensing with ready for operation.
- Target performance point is reached while avoiding compressor damage from liquid compression or oil shortage.

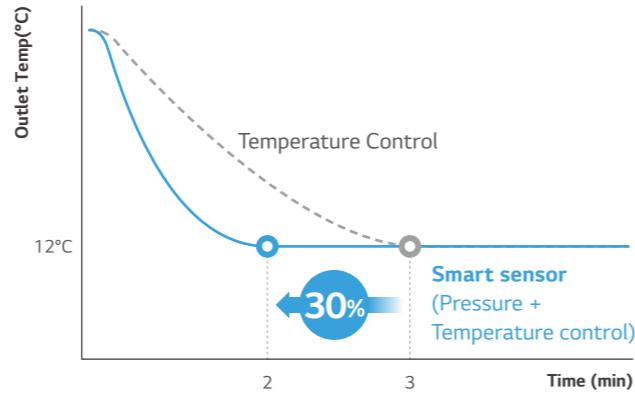
Temperature Sensor Only



Smart Sensor

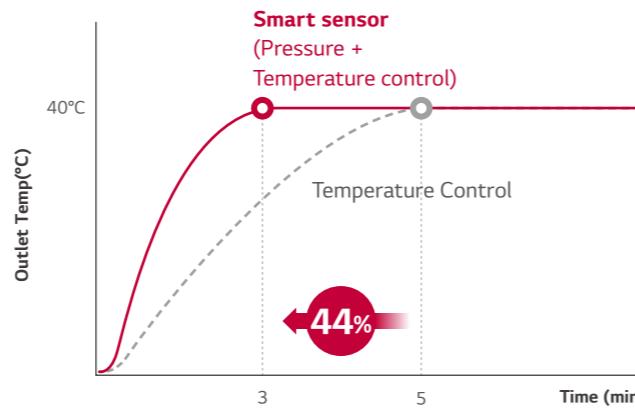


• Cooling



※ Based on internal test data.

• Heating

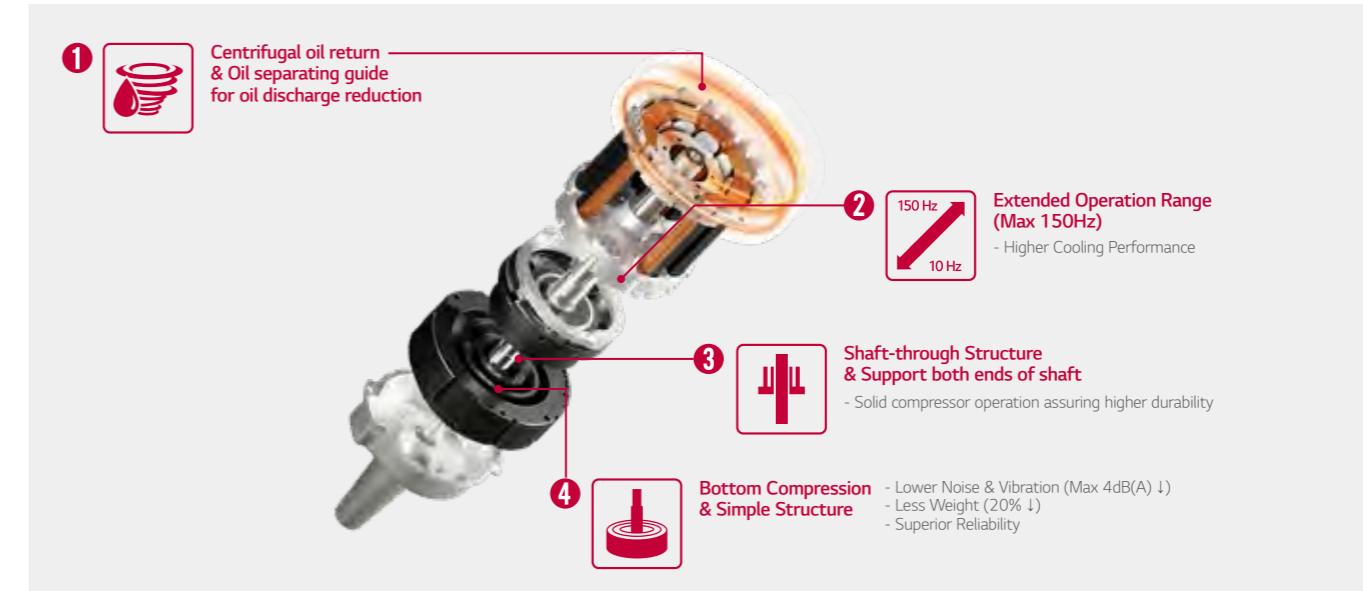


※ Based on internal test data.

HIGH PERFORMANCE & RELIABILITY

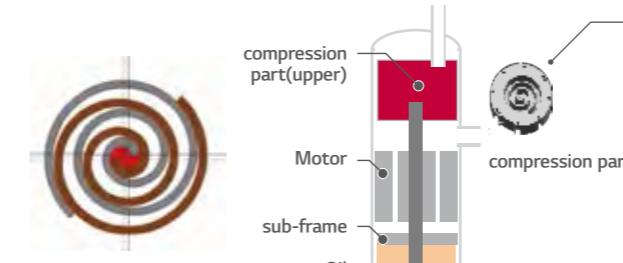
R1 Compressor™

R1 Compressor is one that combines high-efficiency, low sound characteristics of the scroll and the simple compressing structure of the rotary compressor. This technology enables a highly efficient compact model.



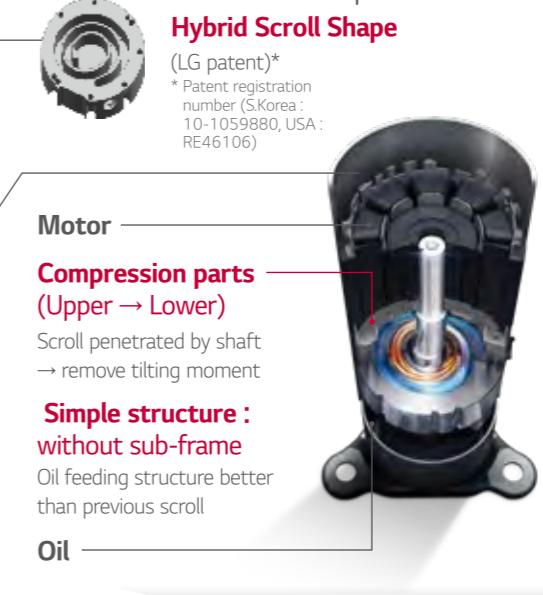
Conventional Compressor

Scroll : High efficiency / Low sound
(Continuous compression, but complex structure)

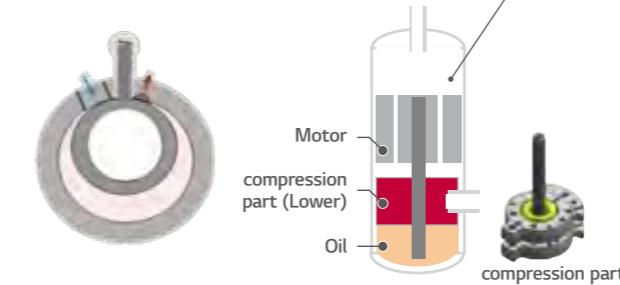


R1 Compressor™

Revolutionary Scroll : High efficiency / Stable & Simple Structure



Rotary : Simple structure
(Compression per 1 rotation)

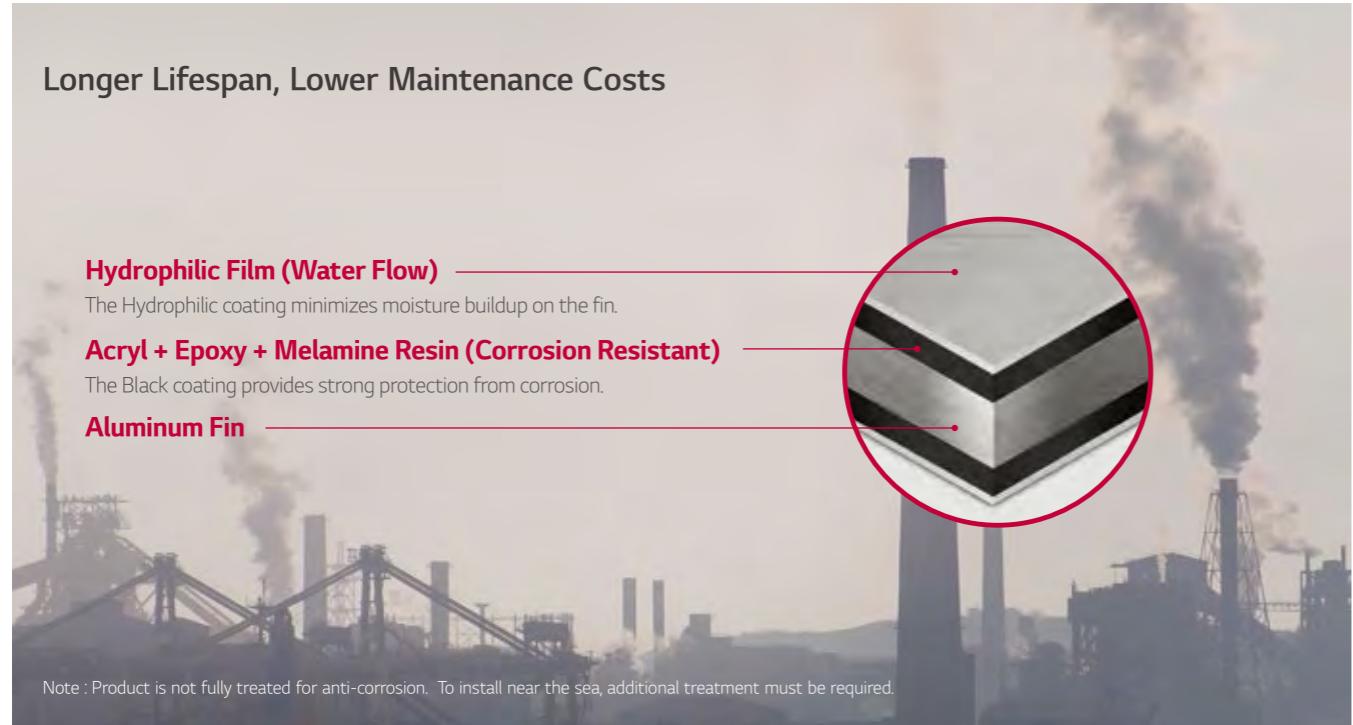


Extended operation (Max 150Hz)
Low noise & Vibration (Max 4dB(A)↓)
Less weight (20%↓)

HIGH PERFORMANCE & RELIABILITY

Corrosion Resistance Black Fin

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.



SST (Salt Spray Test)

Test Process



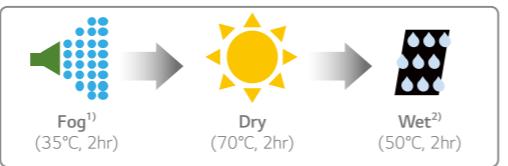
Process repeated

Test process is conducted according to ISO 9227.

1) Salty water concentration : NaCl aqueous solution (5%)

CCT (Cyclic Corrosion Test)

Test Process



Process Repeated

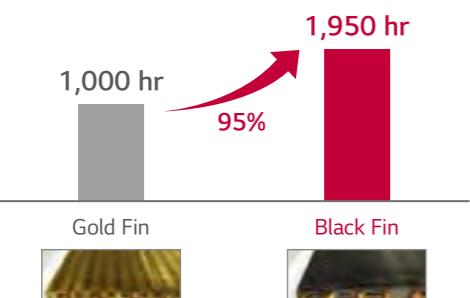
Test process is conducted according to ISO 14933.

1) Salty water concentration : NaCl aqueous solution (5%)

※ Dry condition changed : 60°C, 4hr → 70°C, 2hr

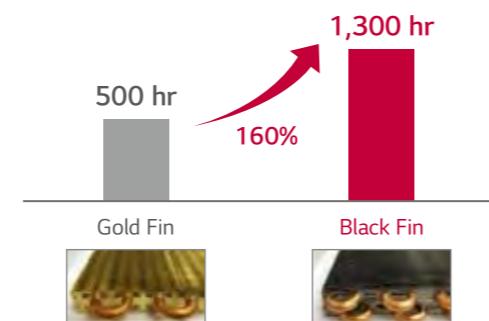
2) Deionized water

Test Result (5% Area of defects compared to initial)



100% copper material to prevent corrosion & refrigerant leakage

Test Result (5% Area of defects compared to initial)

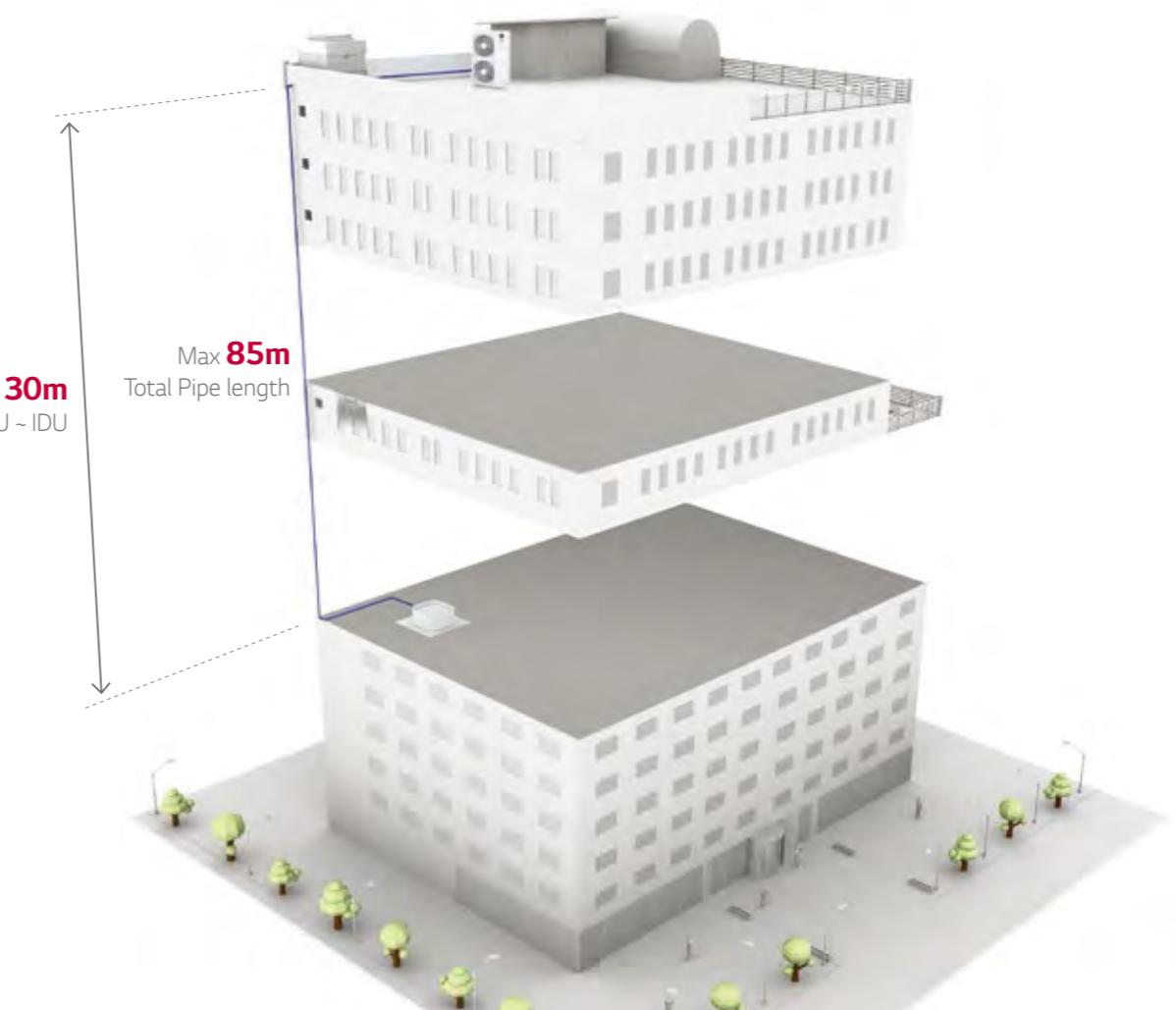


100% copper material to prevent corrosion & refrigerant leakage

HIGH PERFORMANCE & RELIABILITY

Long Pipe Installation

Maximum pipe length up to 85m and elevation length up to 30m provides flexibility for various conditions and easy installation.



[Test condition]

- Location : LG HQ
- Installation : Apply the maximum pipe length by model.
- Period : 3 month (Checking oil level in real time)
- No use U-Trap

| Model name | UUA1 | UUB1 | UUC1 | UUD1 / UUD3 |
|----------------------------------|------|----------|------|-------------|
| Total pipe length (m) | 30 | 30 / 35* | 50 | 85 |
| Pipe Elevation Level ODU-IDU (m) | 30 | 30 | 30 | 30 |

* 24k, 30k

CONVENIENT CONTROL SYSTEM

LG ThinQ™

Users can control air conditioners using Android or iOS-enabled smartphones and voice commands via Google assistant and Amazon's Alexa.



Access your air conditioner anytime and from anywhere



Simple operation for various functions

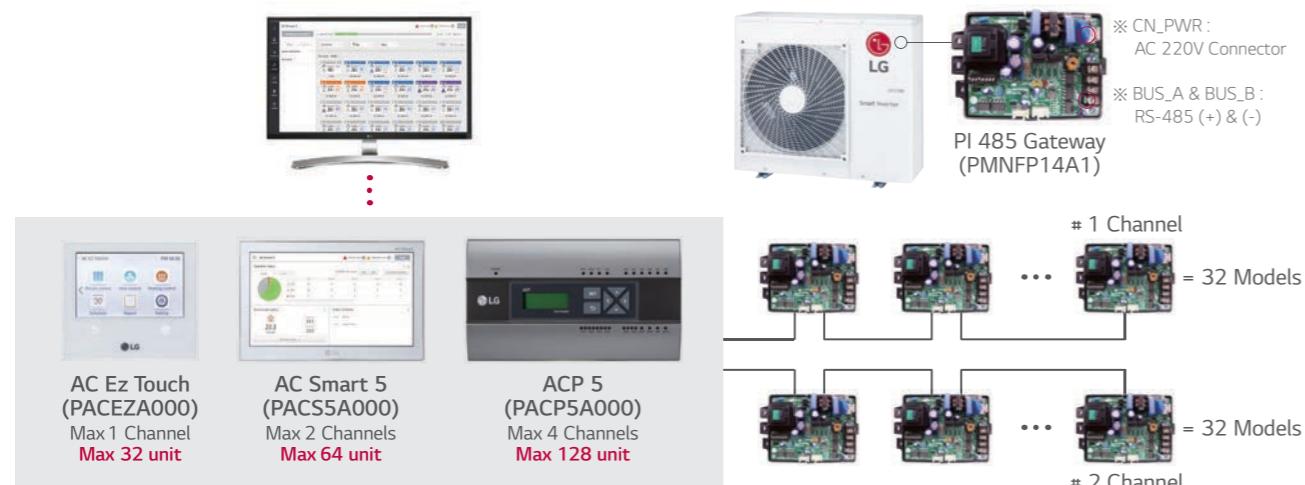
- On / Off*
- Mode Selection*
- Current temperature*
- Set temperature*
- Set fan speed*
- Vane Control

* This functions are used by google assistant & amazon alexa
※ In some countries, the use of the google assistant & amazon alexa system may be restricted.
- Google assistant launched countries : Germany, UK, Ireland, Austria, Switzerland, France, Spain, Italy, Russia, Norway, Netherland, Portugal, Turkey, Sweden, Denmark
- Amazon Alexa launched countries : Germany, UK

※ Search "LG ThinQ" on Google or Apple store then download the app.
※ Wi-Fi modem (PWFMD200) is required by option.

Easy Control (Central Controller)

PI-485 is a gateway device that provides communication between LG Outdoor Units and LG central controllers such as ACP, AC Smart.

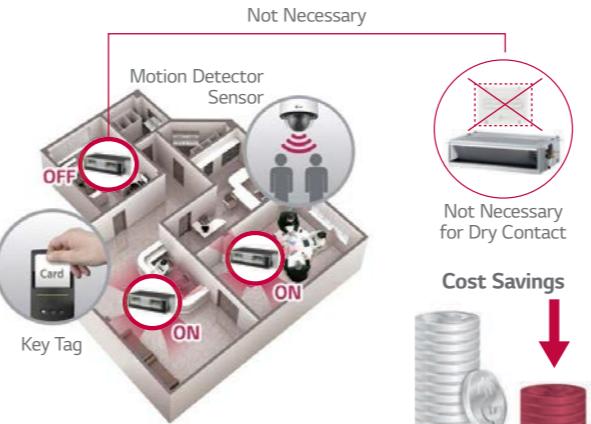


CONVENIENT CONTROL SYSTEM

1 Point External Input (On / Off Control)

Indoor unit can be controlled by external devices without dry contact, so customer can save cost of installation.

Connection between an indoor unit and external devices directly



※ In case of needing more functions beside on / off control, a dry contact is required to be installed.

Mobile LGMV

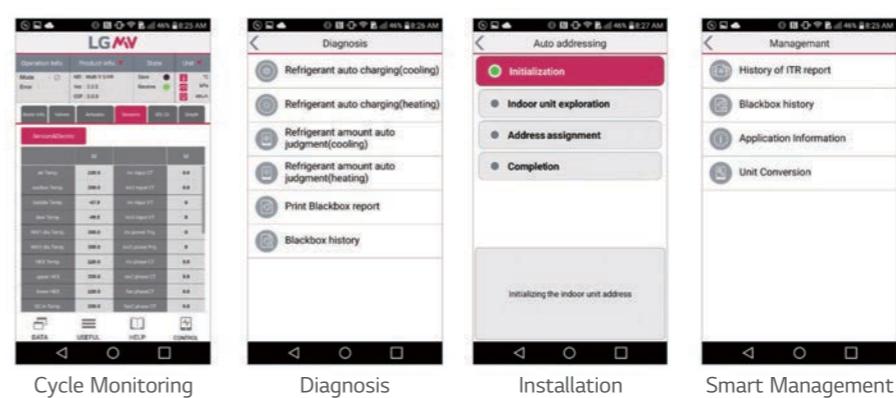
LGMV (Monitoring View) helps engineers to inspect and monitor air conditioning unit easily.



Error Indicator

| Contents |
|--|
| 01 Air temperature sensor of indoor unit |
| 02 Inlet pipe temperature sensor of indoor unit |
| 03 Communication error : Wired Remote Controller ↔ Indoor Unit |

⋮



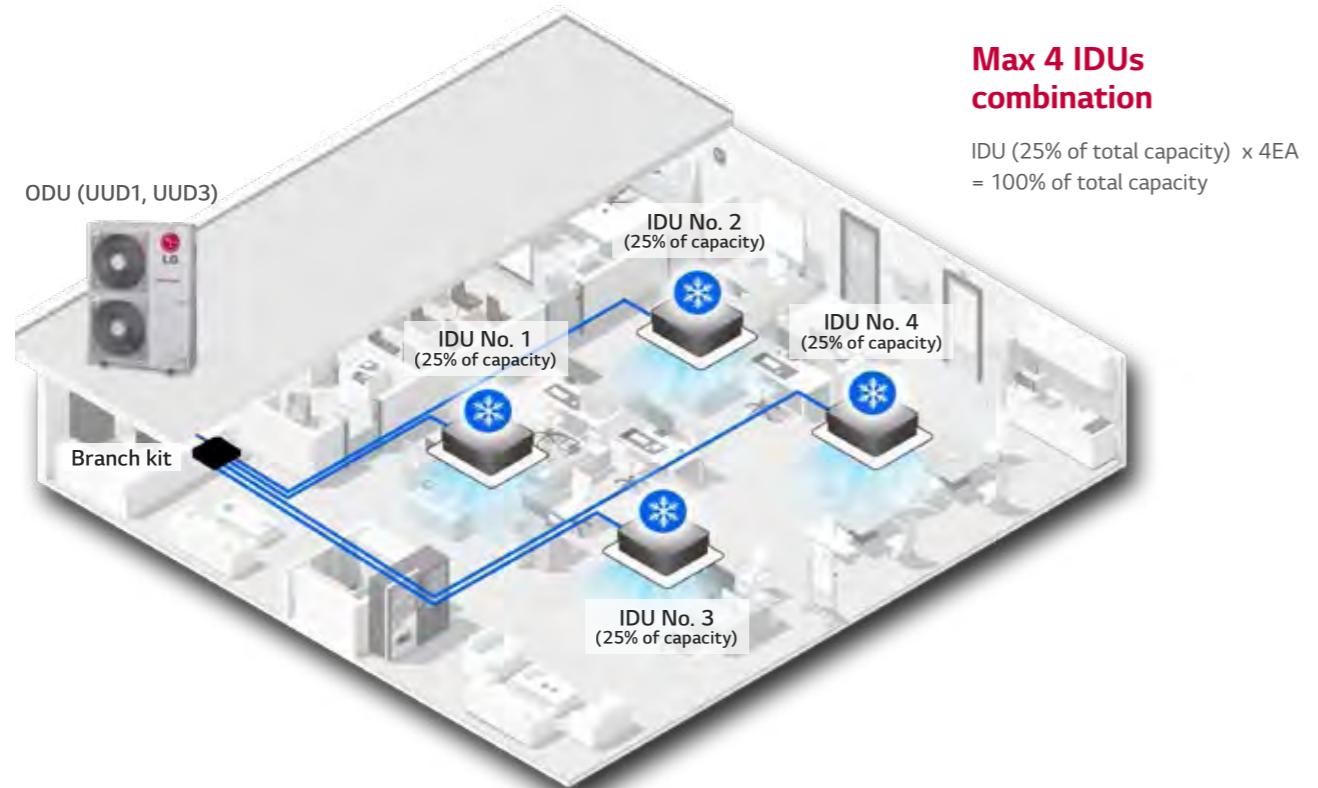
※ Search "Mobile LGMV" on Google or Apple store then download the app.
※ Wi-Fi modem (PWFMD200) is required by option.

A technician not only can check the cycle information with diagrams & graph, but also check easily the error status (Troubleshooting guide) and take action immediately.

ENHANCED APPLICATION

Synchro function

Maximum 4 indoor units can be combined by using a branch kit and setting dip switch for one outdoor unit. It can be easily applied to various sites.



※ Combination table

| Model | Duo | | Trio | | Quartet | |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Cassette | Duct | Cassette | Duct | Cassette | duct |
| UU1, UUD3 | CT18F x 2EA | CM18F x 2EA | CT12F x 3EA | CL12F x 3EA | CT12F x 4EA | CL12F x 4EA |
| | CT24F x 2EA | CM24F x 2EA | CT18F x 3EA | CM18F x 3EA | - | - |
| | UT30F x 2EA | UM30F x 2EA | - | - | - | - |
| Branch kit | PMUB11A | | PMUB111A | | PMUB1111A | |
| Dip switch | | | | | | |

Note

- Possible indoor units : Single CAC indoor unit series
- Dry contact & Zone control & Auto changeover is not available which is connected with synchro.
- When using synchro operation
- Do not use wireless remote controller.
- Use only one wired remote controller in the indoor units.
- Some Central controllers and some functions of central controller can not be available with synchro operation.
- Branch kits are required for operating Synchro models.

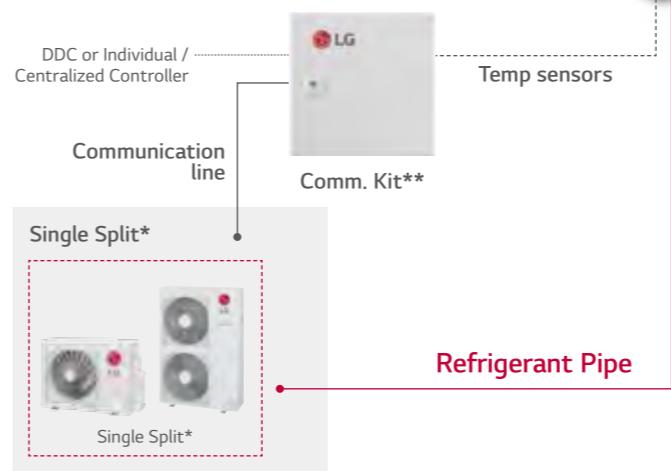
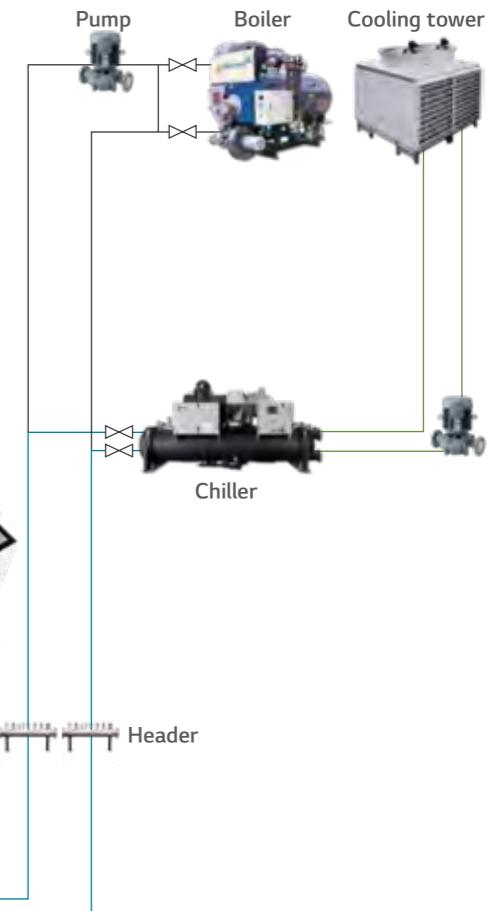
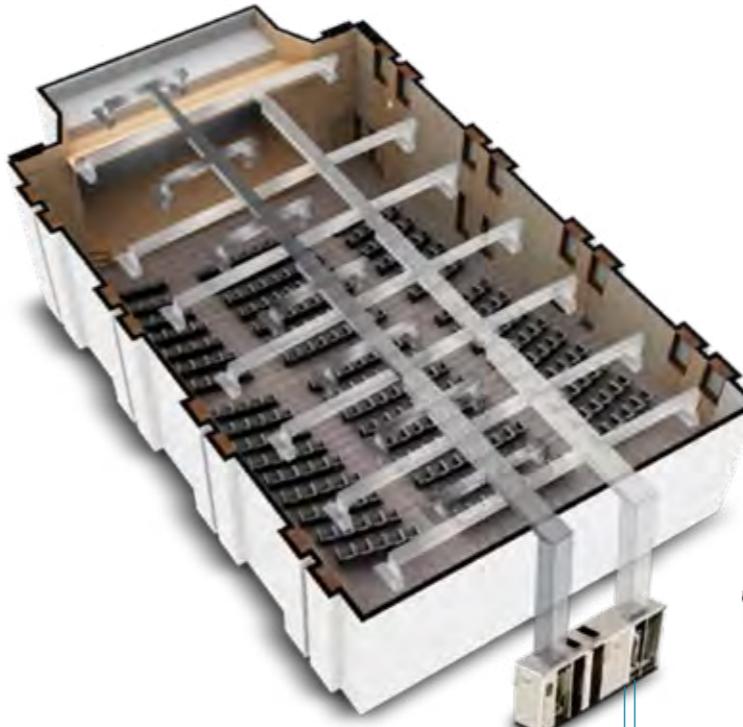
ENHANCED APPLICATION

Connection with AHU

Single split can be connected to AHU using communication kit.

SIMPLE **COMPLICATED**

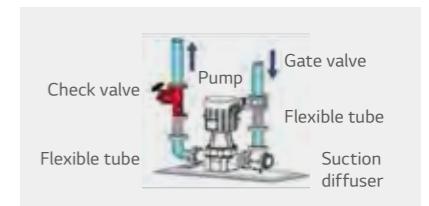
Simple and space saving
Easy installation
Low maintenance cost



* The single model can be applied only to UUB1, UUC1, UUD1, UUD3

** Model name of communication kit
- RA air temperature control : PAHCMR000
- SA air temperature control : PAHCMS000

Complicated piping work



CEILING MOUNTED CASSETTE

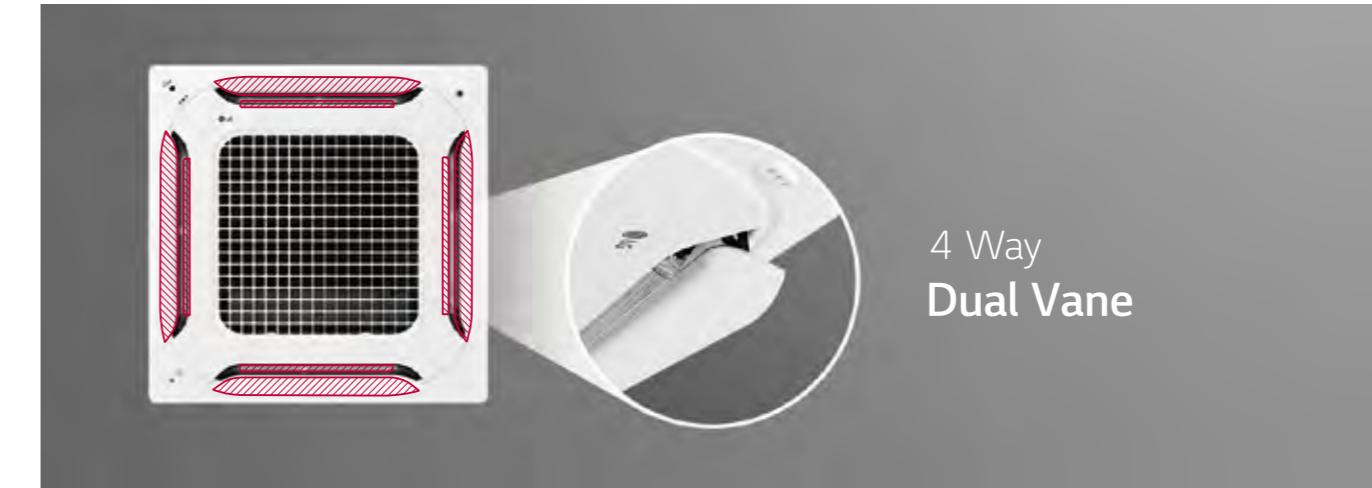


SINGLE SPLIT KEY FEATURES

NEW DESIGN

4 Way air flow with new dual vane design

Innovative dual vane designs each of the best airflow over various spaces.



4 Way
Dual Vane

New types wind

Normal Dual Vane

Indirect Wind



Direct Wind



6 Air flow modes



Fast and Quick
Power Mode



Fresh and Natural
Up / Down Swing



Auto Vane Control
Smart Mode



Indirect cooling & Heating
Indirect Wind



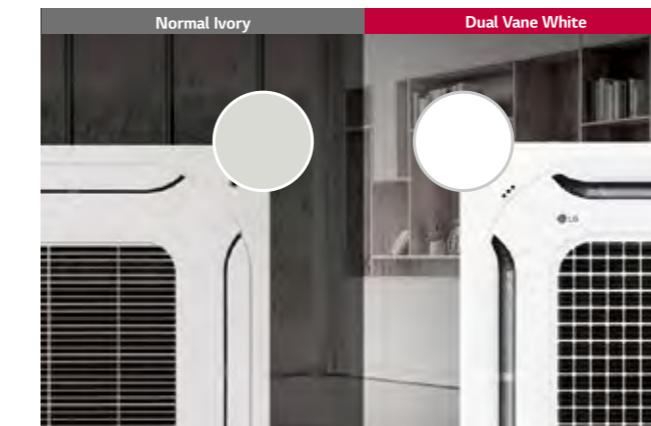
Suitable for High Ceiling
Direct Wind



Provide high concentration
Refresh Mode

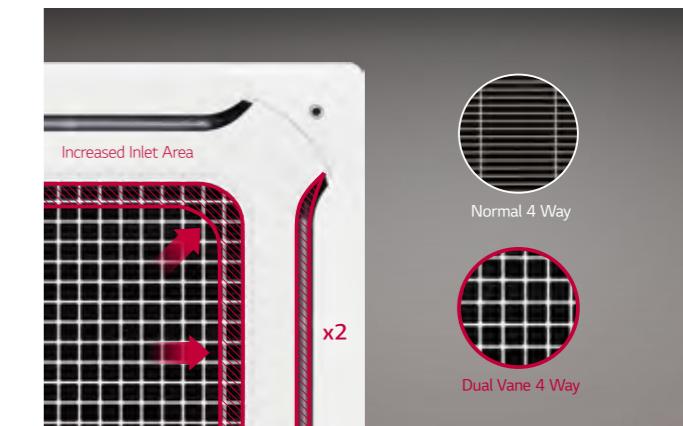
Brighter Color

Color enhancement allows cassette to blend in to most interior ceiling spaces.



Wide Design

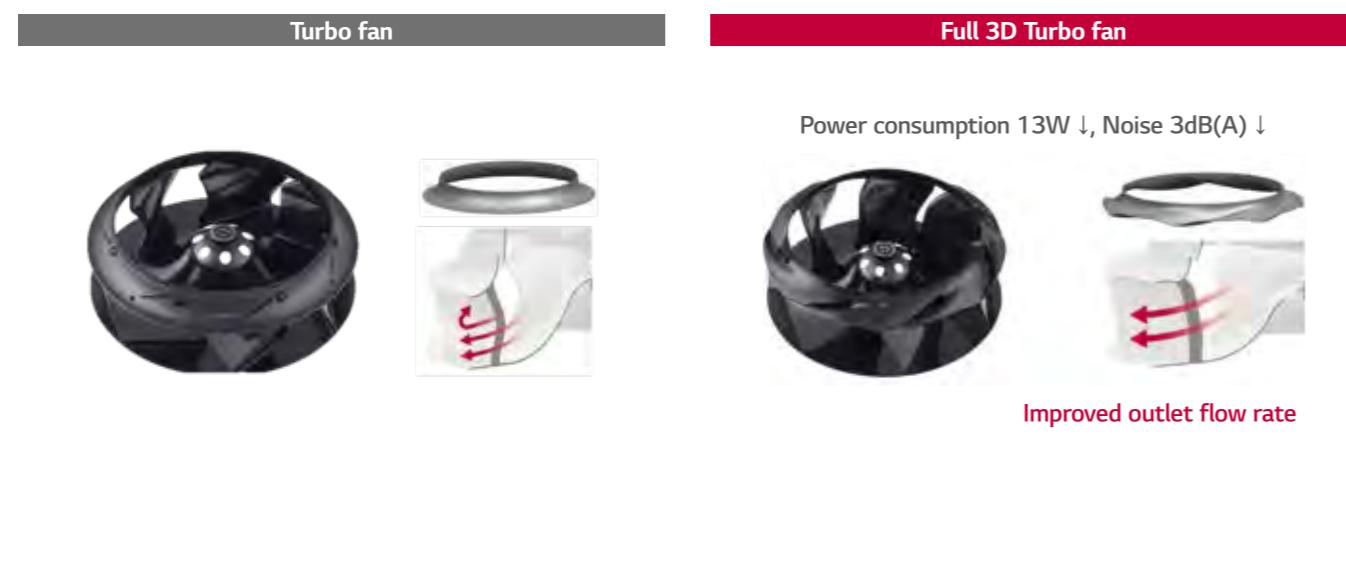
Bigger inlet and outlet make faster cooling / heating airflow.



NEW DESIGN

Full 3D Turbo Fan

Full 3D Turbo fan decreases air resistance, so it makes High Efficient and reduces noise level.



SMART

Sensor reads temperature from ceiling to floor for heating

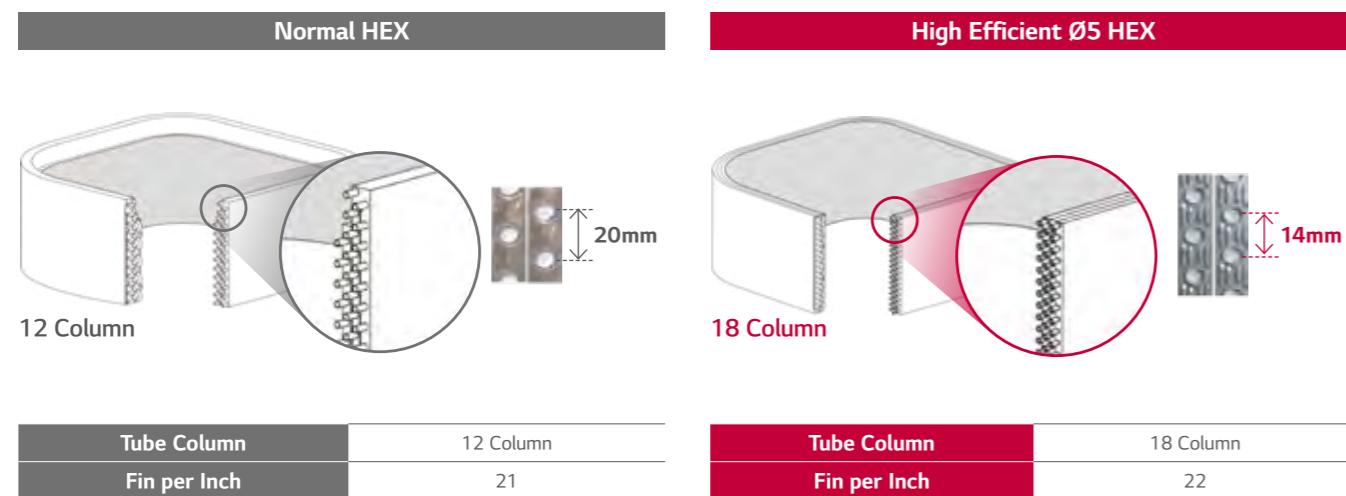
IDU provides the human oriented room temperature with sensing floor And calculating by floor and ceiling temperature by thermopile sensor.



※ Available only for products with floor temperature sensor.

High Efficiency Heat Exchanger (HEX)

Highly integrated heat exchanger is applied to increase cooling and heating efficiency.



※This specification can be different as per each model.

Human detecting Direct / Indirect airflow

Human sensing function finds users to provide their favorite airflow.

Comfort Indirect
Prevent airflow to heading to user by sensing.



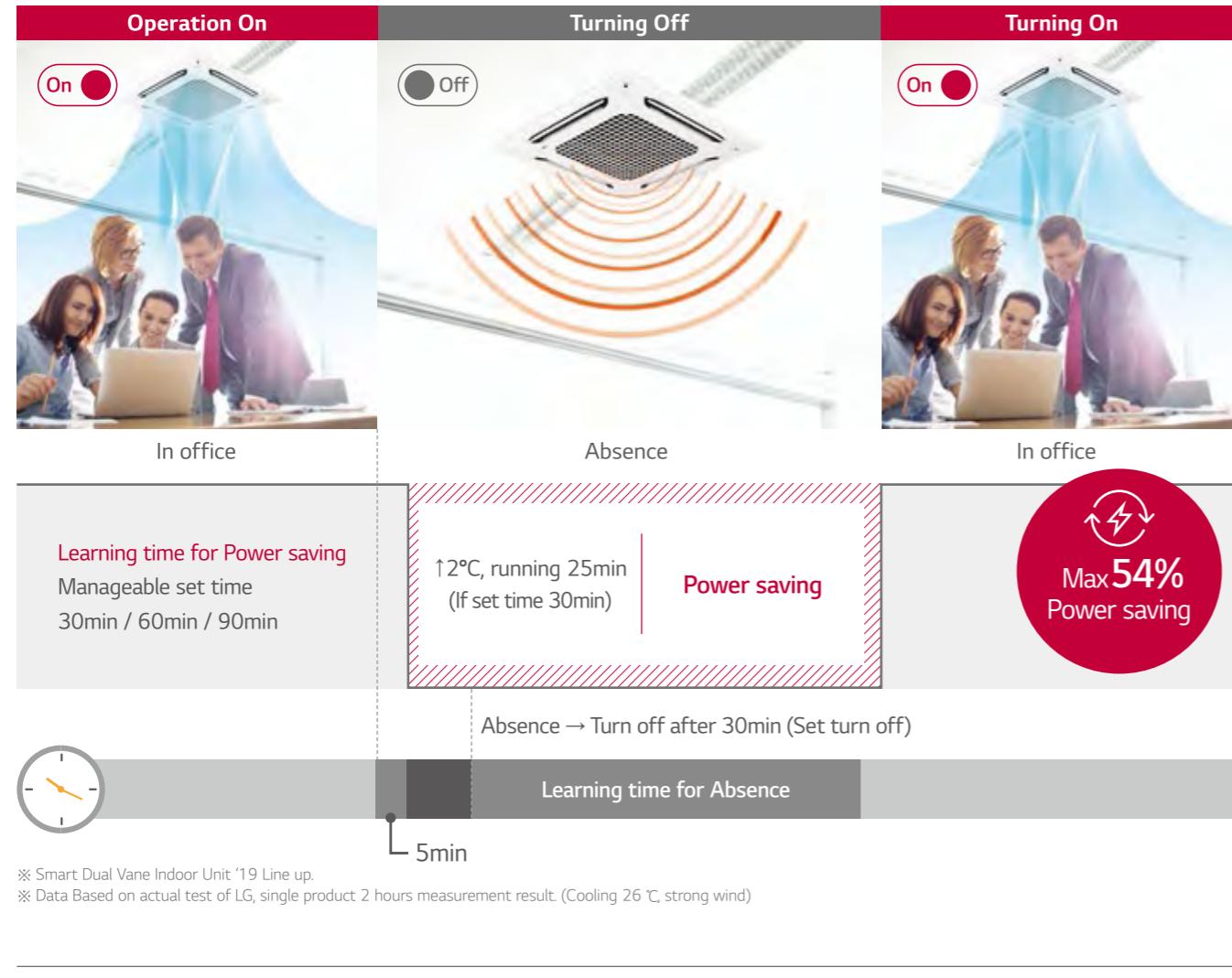
Follow user Direct
Prefer air flow to heading to user by sensing.



SMART

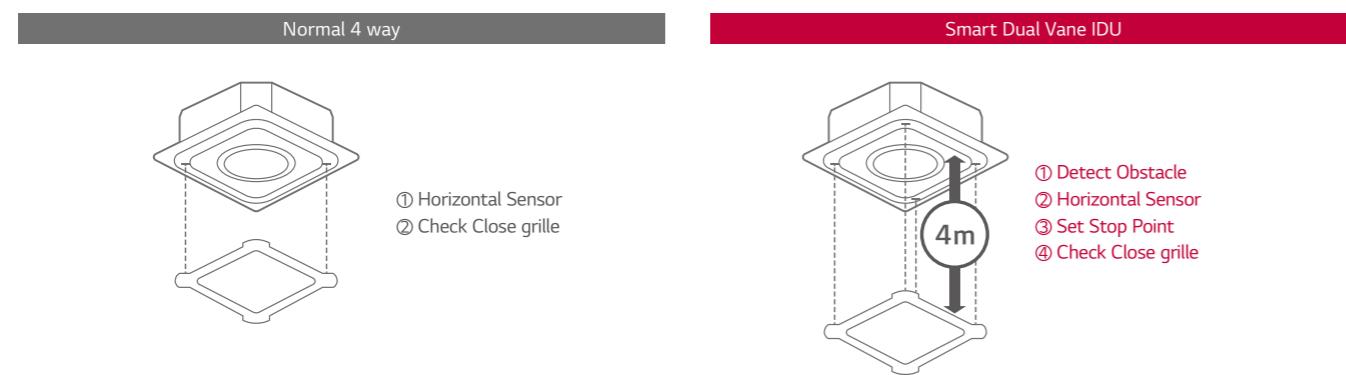
Human detecting On / Off Learning operation system

IDU senses people to switch On / Off for Max 54% power saving.



Elevation Grill

4 lines of elevation grille contributes stable movement and convenient filter management.



SMART

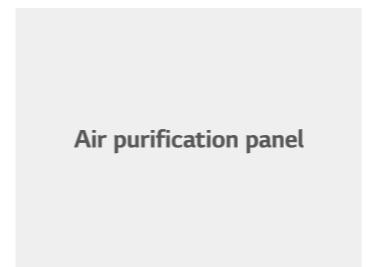
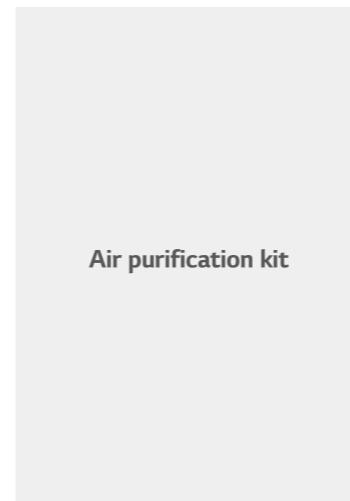
Everyday High performance of Air purifying

Air purifying function makes clean spaces for everyday.



Convenient and Powerful 4 Steps Air purifying

Easy to manage air purifying system with one-touch air cleaning filter.



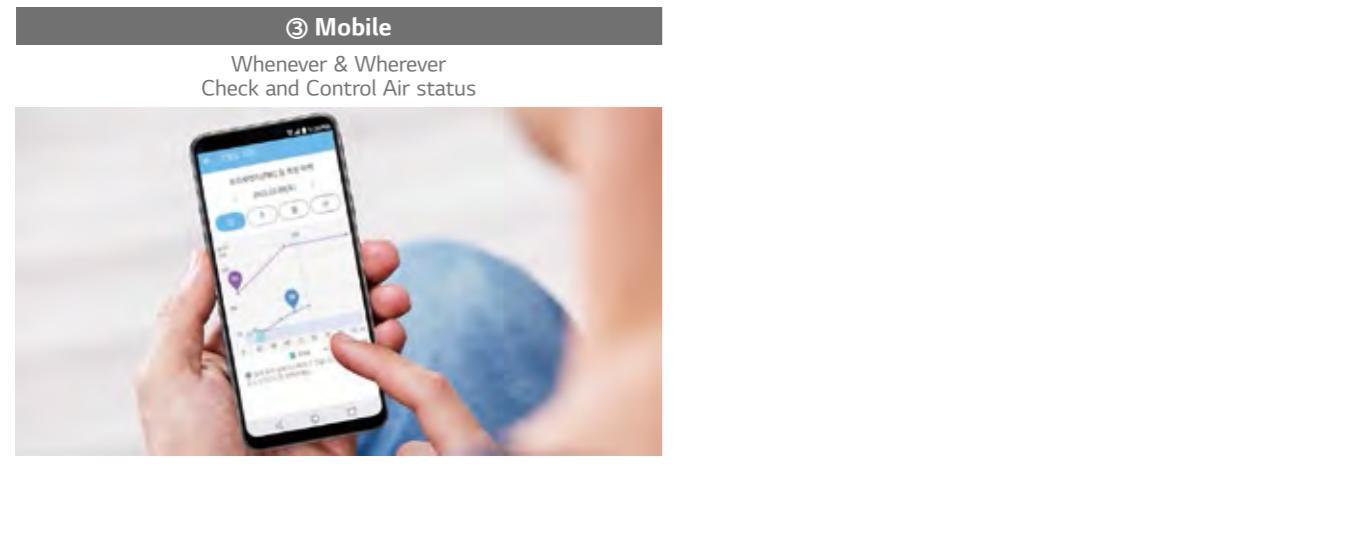
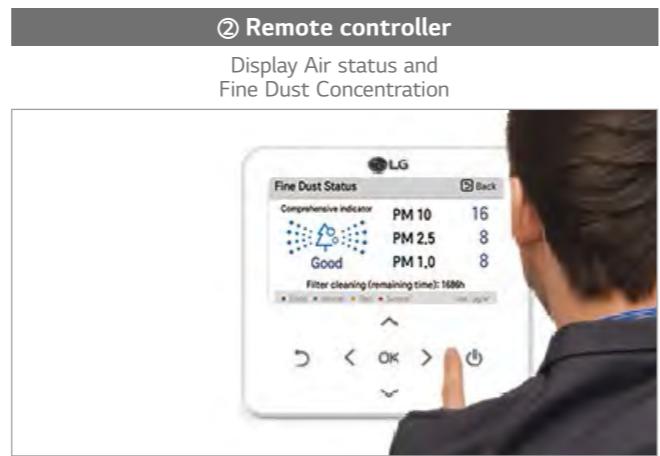
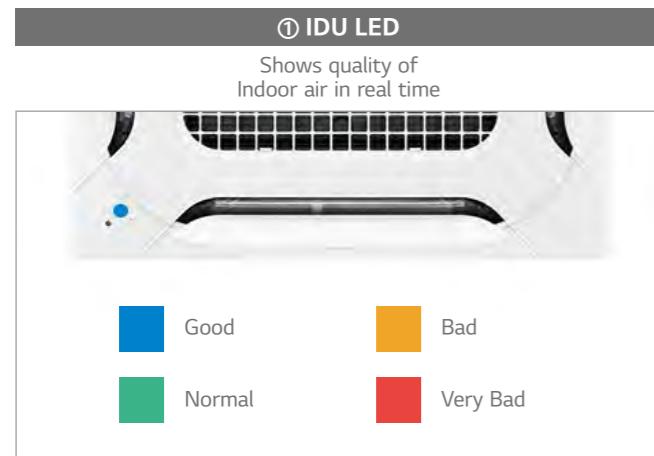
| Cycle / Management | Pre-filter | Dust Electrification | Ultra Fine Dust Kit | Deodorizing Filter |
|---------------------------|------------|----------------------|---------------------|--------------------|
| Easy removable pre-filter | - | 6 Months / Washable | 6 Months / Dry | |

※ Available in case both Air Purification Kit (PTAFMPO) and Air purification panel (PT-AFGWO) are installed.

SMART

Various Display of Air purifying

Installed Wi-Fi leads unlimited boundary to control IDU and display air purifying status.



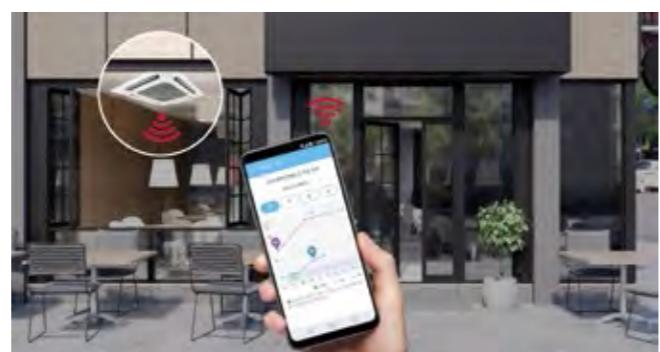
Pairing LG ThinQ

Anywhere! Anytime! Can connect to IDU with LG ThinQ

① Monitoring Air status Easy to check indoor air status
• Ultra Fine / Extra Fine / Fine Dust
• Day / Week / Month / Yearly

② Mobile Remote Control Remote control by using mobile phone
• Control Mode / Temperature / Air flow etc.

③ Display Power Consumption Check power consumption of A/C
• Check energy display
• Set target energy consumption level



CEILING MOUNTED CASSETTE



H-INVERTER (R32)

UT09FH
UT12FH
UT18FH
UT24FH
UT30FH



UUA1 ULO UUB1 U20 UUC1 U40



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

| COMBINATION | 9 | 12 | 18 | 24 | 30 |
|---------------------------|--|--|--|--|--|
| Capacity | Cooling Min ~ Rated ~ Max kW 1.6 / 2.5 / 4.0 Heating Min ~ Rated ~ Max kW 1.7 / 3.2 / 4.5 | Cooling Min ~ Rated ~ Max kW 1.6 / 3.4 / 4.8 Heating Min ~ Rated ~ Max kW 1.7 / 4.1 / 5.8 | Cooling Min ~ Rated ~ Max kW 2.0 / 5.0 / 6.0 Heating Min ~ Rated ~ Max kW 2.3 / 5.8 / 7.0 | Cooling Min ~ Rated ~ Max kW 2.7 / 6.8 / 8.3 Heating Min ~ Rated ~ Max kW 3.2 / 7.9 / 9.9 | Cooling Min ~ Rated ~ Max kW 3.2 / 8.0 / 9.5 Heating Min ~ Rated ~ Max kW 3.6 / 9.0 / 10.7 |
| Power Input (Set) | Cooling Min ~ Rated ~ Max kW 0.32 / 0.61 / 0.98 Heating Min ~ Rated ~ Max kW 0.32 / 0.75 / 1.06 | Cooling Min ~ Rated ~ Max kW 0.32 / 0.97 / 1.78 Heating Min ~ Rated ~ Max kW 0.32 / 1.03 / 1.87 | Cooling Min ~ Rated ~ Max kW 0.30 / 1.25 / 1.69 Heating Min ~ Rated ~ Max kW 0.30 / 1.47 / 1.98 | Cooling Min ~ Rated ~ Max kW 0.30 / 1.66 / 2.31 Heating Min ~ Rated ~ Max kW 0.30 / 2.12 / 2.82 | Cooling Min ~ Rated ~ Max kW 0.40 / 1.76 / 2.53 Heating Min ~ Rated ~ Max kW 0.40 / 2.14 / 2.93 |
| Running Current | Cooling Rated A 2.7 Heating Rated A 3.3 | Cooling Rated A 4.3 Heating Rated A 4.6 | Cooling Rated A 7.2 Heating Rated A 7.7 | Cooling Rated A 7.4 Heating Rated A 7.8 | Cooling Rated A 9.4 Heating Rated A 9.5 |
| EER / COP | | kWh/kWh 4.10 / 4.30 | kWh/kWh 3.50 / 4.00 | kWh/kWh 4.00 / 3.95 | kWh/kWh 4.10 / 4.48 |
| SEER / SCOP | | kWh/kWh 7.0 / 4.0 | kWh/kWh 6.8 / 4.0 | kWh/kWh 7.6 / 4.4 | kWh/kWh 8.5 / 4.8 |
| Pdesign | Cooling @ 35°C kW 2.5 Heating @ -10°C kW 2.8 | Cooling @ 35°C kW 3.4 Heating @ -10°C kW 2.8 | Cooling @ 35°C kW 5.0 Heating @ -10°C kW 4.1 | Cooling @ 35°C kW 6.8 Heating @ -10°C kW 5.5 | Cooling @ 35°C kW 8 Heating @ -10°C kW 5.5 |
| Seasonal Energy Label | Cooling / Heating - A++ / A+ | Cooling / Heating - A++ / A+ | Cooling / Heating - A++ / A+ | Cooling / Heating - A++ / A++ | Cooling / Heating - A++ / A++ |
| Annual Energy Consumption | Cooling / Heating kWh 125 / 980 | Cooling / Heating kWh 175 / 980 | Cooling / Heating kWh 230 / 1,305 | Cooling / Heating kWh 280 / 1,604 | Cooling / Heating kWh 359 / 1,604 |
| Dehumidification Rate | I/h 0.1 | I/h 0.8 | I/h 1.9 | I/h 2.7 | I/h 5.0 |
| ODU Sound Pressure Level | Cooling / Heating Rated dB(A) 49 / 52 | Cooling / Heating Rated dB(A) 49 / 52 | Cooling / Heating Rated dB(A) 47 / 52 | Cooling / Heating dB(A) 48 / 52 | Cooling / Heating dB(A) 50 / 52 |
| ODU Sound Power Level | Cooling Rated dB(A) 65 | Cooling Rated dB(A) 65 | Cooling Rated dB(A) 63 | Cooling dB(A) 65 | Cooling dB(A) 68 |
| Piping Connections | Liquid mm (inch) 06.35 (1/4) Gas mm (inch) 09.52 (3/8) | Liquid mm (inch) 06.35 (1/4) Gas mm (inch) 09.52 (3/8) | Liquid mm (inch) 06.35 (1/4) Gas mm (inch) 09.52 (3/8) | Liquid mm (inch) 09.52 (3/8) Gas mm (inch) 015.88 (5/8) | Liquid mm (inch) 09.52 (3/8) Gas mm (inch) 015.88 (5/8) |
| Operation Range (Outdoor) | Cooling Min ~ Max °C -15 ~ 50 Heating Min ~ Max °C -20 ~ 18 | Cooling Min ~ Max °C -15 ~ 50 Heating Min ~ Max °C -20 ~ 18 | Cooling Min ~ Max °C -15 ~ 50 Heating Min ~ Max °C -20 ~ 18 | Cooling Min ~ Max °C -20 ~ 50 Heating Min ~ Max °C -20 ~ 18 | Cooling Min ~ Max °C -20 ~ 50 Heating Min ~ Max °C -20 ~ 18 |

| INDOOR | UT09FH NQ0 | UT12FH NQ0 | UT18FH NBO | UT24FH NAO | UT30FH NAO |
|-------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L W | 30 / 26 / 22 | 30 / 26 / 22 | 33 / 26 / 22 | 43 / 35 / 28 |
| Air Flow Rate | H / M / L m³/min | 11.0 / 10.0 / 9.3 | 11.0 / 10.0 / 9.3 | 17.0 / 15.5 / 14.0 | 23.8 / 21.4 / 19.0 |
| Dimensions | Body W x H x D mm | 570 x 256 x 570 | 570 x 256 x 570 | 840 x 204 x 840 | 840 x 288 x 840 |
| Weight | Body kg | 139 | 139 | 21.1 | 25.3 |
| Sound Pressure Level | Cooling H / M / L dB(A) 41 / 39 / 37 | Cooling H / M / L dB(A) 41 / 39 / 37 | Cooling H / M / L dB(A) 37 / 36 / 34 | Cooling H / M / L dB(A) 42 / 41 / 40 | Cooling H / M / L dB(A) 42 / 41 / 40 |
| Sound Power Level | Cooling Max dB(A) 54 | Cooling Max dB(A) 54 | Cooling Max dB(A) 52 | Cooling Max dB(A) 56 | Cooling Max dB(A) 56 |
| Piping Connections | Drain O.D. / I.D. mm | Ø32.0 / 25.0 | Ø32.0 / 25.0 | Ø32.0 / 25.0 | Ø32.0 / 25.0 |
| Recommended Decoration Panel* | Model Name - | PT-QAGW0 | PT-QAGW0 | PT-AFGW0 | PT-AFGW0 |
| Color | - White | White | White | White | White |
| Dimensions | Body mm | 620 x 34 x 620 | 620 x 34 x 620 | 950 x 35 x 950 | 950 x 35 x 950 |
| Weight | Body kg | 3.0 | 3.0 | 7.5 | 7.5 |

| OUTDOOR | UUA1 ULO | UUB1 U20 | UUC1 U40 |
|-------------------------------------|----------------------------------|-----------------|-----------------|
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 |
| Circuit Breaker | Min A | 15 | 20 |
| Power Supply Cable (Included Earth) | No x mm³ | 3C x 1.5 | 3C x 2.5 |
| Dimensions | Net W x H x D mm | 770 x 545 x 288 | 870 x 650 x 330 |
| Weight | Net kg | 33.3 | 44.5 |
| Compressor | Type - | Twin Rotary | Twin Rotary |
| Refrigerant | Type - | R32 | R32 |
| GWP (Global Warming Potential) | - | 675 | 675 |
| Precharged Amount | kg | 1.0 | 1.2 |
| t-CO₂eq | - | 0.675 | 0.81 |
| Additional Charge (After 7.5m) | g/m | 20 | 20 |
| Fan | Air Flow Rate Rated m³/min x No. | 28 x 1 | 50 x 1 |
| Total Piping Length | Min / Max m | 5 / 30 | 5 / 50 |
| Piping Elevation | IDU - ODU Max m | 30 | 30 |

* Decoration panel can be selected as an optional accessory.

Note :

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

2. Performances are based on the following conditions (It is accordance with EN14511)

- Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB

- Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB

- Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.

3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

4. This product contains fluorinated greenhouse gases. (R32)

CEILING MOUNTED CASSETTE



H-INVERTER (R32)

UT36FH
UT42FH
UT48FH
UT60FH



UUID1 U30



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

| COMBINATION | | 36 | 42 | 48 | 60 |
|--|--------------------------------|----------------------|--------------------|--------------------|--------------------|
| Capacity | Cooling | Min - Rated - Max kW | 3.8 / 9.5 / 12.8 | 4.8 / 12.1 / 14.5 | 5.4 / 13.4 / 16.1 |
| | Heating | Min - Rated - Max kW | 4.3 / 10.8 / 13.7 | 5.4 / 13.5 / 16.2 | 6.2 / 15.5 / 17.8 |
| Power Input (Set) | Cooling | Min - Rated - Max kW | 0.40 / 2.15 / 3.23 | 0.60 / 3.14 / 4.24 | 0.80 / 3.83 / 5.17 |
| | Heating | Min - Rated - Max kW | 0.50 / 2.40 / 3.36 | 0.70 / 3.29 / 4.28 | 0.90 / 4.69 / 5.25 |
| Running Current | Cooling | Rated A | 9.6 | 13.8 | 16.9 |
| | Heating | Rated A | 10.4 | 14.4 | 18.3 |
| EER / COP | | kWh/kWh | 4.42 / 4.50 | 3.85 / 4.10 | 3.50 / 3.71 |
| SEER / SCOP | | kWh/kWh | 7.6 / 4.5 | 7.4 / 4.5 | 6.8 / 4.5 |
| Pdesign | Cooling @ 35°C | kW | 9.5 | 12.1 | 13.4 |
| | Heating @ -10°C | kW | 9.5 | 9.5 | 9.5 |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A+ | - / - | - / - |
| Annual Energy Consumption | Cooling / Heating | kWh | 437 / 2,956 | 981 / 2,956 | 1,182 / 2,956 |
| Dehumidification Rate | | l/h | 2.6 | 4.8 | 5.3 |
| ODU Sound Pressure Level | Cooling / Heating | dB(A) | 50 / 50 | 51 / 52 | 52 / 53 |
| ODU Sound Power Level | Cooling | Rated dB(A) | 66 | 69 | 71 |
| Piping Connections | Liquid | mm (inch) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø9.52 (3/8) |
| | Gas | mm (inch) | Ø15.88 (5/8) | Ø15.88 (5/8) | Ø15.88 (5/8) |
| Connections Method | - | | Flaredd | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min - Max °C | -20 - 52 | -20 - 52 | -20 - 52 |
| | Heating | Min - Max °C | -25 - 18 | -25 - 18 | -25 - 18 |
| INDOOR | | UT36FH NAO | UT42FH NAO | UT48FH NAO | UT60FH NAO |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 70 / 59 / 50 | 81 / 60 / 50 | 81 / 60 / 50 |
| Air Flow Rate | H / M / L | m³/min | 28 / 25 / 23 | 30 / 27 / 24 | 30 / 27 / 24 |
| Dimensions | Body | W x H x D mm | 840 x 288 x 840 | 840 x 288 x 840 | 840 x 288 x 840 |
| Weight | Body | kg | 27.2 | 27.2 | 27.2 |
| Sound Pressure Level | Cooling | H / M / L | dB(A) 44 / 42 / 41 | 44 / 42 / 41 | 45 / 43 / 41 |
| Sound Power Level | Cooling | Max | dB(A) 59 | 59 | 61 |
| Piping Connections | Drain | O.D. / I.D. mm | Ø32.0 / 25.0 | Ø32.0 / 25.0 | Ø32.0 / 25.0 |
| | Model Name | - | PT-AFGW0 | PT-AFGW0 | PT-AFGW0 |
| Recommended Decoration Panel* | Color | - | White | White | White |
| | Dimensions | Body mm | 950 x 35 x 950 | 950 x 35 x 950 | 950 x 35 x 950 |
| | Weight | Body kg | 7.5 | 7.5 | 7.5 |
| OUTDOOR | | UUID1 U30 | | | |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | | | |
| Circuit Breaker | Min | A | 40 | | |
| Power Supply Cable (Included Earth) | No x mm³ | | 3C x 6.0 | | |
| Dimensions | Net | W x H x D mm | | 950 x 1,380 x 330 | |
| Weight | Net | kg | | 85.0 | |
| Compressor | Type | - | Inverter Scroll | | |
| | Type | - | R32 | | |
| Refrigerant | GWP (Global Warming Potential) | - | 675 | | |
| | Precharged Amount | kg | 3.0 | | |
| | t-CO ₂ eq | - | 2.025 | | |
| | Additional Charge (After 7.5m) | g/m | 40 | | |
| Fan | Air Flow Rate | Rated | m³/min x No. | 55 x 2 | |
| Total Piping Length | Min / Max | m | | 5 / 85 | |
| Piping Elevation | IDU - ODU | Max | m | 30 | |

* Decoration panel can be selected as an optional accessory.

Note :

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

2. Performances are based on the following conditions (It is accordance with EN14511)

- Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB

- Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB

- Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.

3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

4. This product contains fluorinated greenhouse gases. (R32)

CEILING MOUNTED CASSETTE



H-INVERTER (R32)

UT36FH
UT42FH
UT48FH
UT60FH



UUID3 U30



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Check ongoing validity of certification : www.eurovent-certification.com

| COMBINATION | | 36 | 42 | 48 | 60 |
|--|--------------------------------|----------------------|--------------------|--------------------|--------------------|
| Capacity | Cooling | Min - Rated - Max kW | 3.8 / 9.5 / 12.8 | 4.8 / 12.1 / 14.5 | 5.4 / 13.4 / 16.1 |
| | Heating | Min - Rated - Max kW | 4.3 / 10.8 / 13.7 | 5.4 / 13.5 / 16.2 | 6.2 / 15.5 / 17.8 |
| Power Input (Set) | Cooling | Min - Rated - Max kW | 0.40 / 2.15 / 3.23 | 0.60 / 3.14 / 4.24 | 0.80 / 3.83 / 5.17 |
| | Heating | Min - Rated - Max kW | 0.50 / 2.40 / 3.36 | 0.70 / 3.29 / 4.28 | 0.90 / 4.69 / 5.25 |
| Running Current | Cooling | Rated A | 3.6 | 4.9 | 6.0 |
| | Heating | Rated A | 3.8 | 5.1 | 6.5 |
| EER / COP | | kWh/kWh | 4.42 / 4.50 | 3.85 / 4.10 | 3.50 / 3.71 |
| SEER / SCOP | | kWh/kWh | 7.6 / 4.5 | 7.4 / 4.5 | 6.8 / 4.5 |
| Pdesign | Cooling @ 35°C | kW | 9.5 | 12.1 | 13.4 |
| | Heating @ -10°C | kW | 9.5 | 9.5 | 9.5 |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A+ | - / - | - / - |
| Annual Energy Consumption | Cooling / Heating | kWh | 437 / 2,956 | 981 / 2,956 | 1,182 / 2,956 |
| Dehumidification Rate | | l/h | 2.6 | 4.8 | 5.3 |
| ODU Sound Pressure Level | Cooling / Heating | dB(A) | 50 / 50 | 51 / 52 | 52 / 53 |
| ODU Sound Power Level | Cooling | Rated dB(A) | 66 | 69 | 71 |
| Piping Connections | Liquid | mm (inch) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø9.52 (3/8) |
| | Gas | mm (inch) | Ø15.88 (5/8) | Ø15.88 (5/8) | Ø15.88 (5/8) |
| Connections Method | - | | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min - Max °C | -20 - 52 | -20 - 52 | -20 - 52 |
| | Heating | Min - Max °C | -25 - 18 | -25 - 18 | -25 - 18 |
| INDOOR | | UT36FH NAO | UT42FH NAO | UT48FH NAO | UT60FH NAO |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 70 / 59 / 50 | 81 / 60 / 50 | 81 / 60 / 50 |
| Air Flow Rate | H / M / L | m³/min | 28 / 25 / 23 | 30 / 27 / 24 | 30 / 27 / 24 |
| Dimensions | Body | W x H x D mm | 840 x 288 x 840 | 840 x 288 x 840 | 840 x 288 x 840 |
| Weight | Body | kg | 27.2 | 27.2 | 27.2 |
| Sound Pressure Level | Cooling | H / M / L | dB(A) 44 / 42 / 41 | 44 / 42 / 41 | 45 / 43 / 41 |
| Sound Power Level | Cooling | Max | dB(A) 59 | 59 | 61 |
| Piping Connections | Drain | O.D. / I.D. mm | Ø32.0 / 25.0 | Ø32.0 / 25.0 | Ø32.0 / 25.0 |
| | Model Name | - | PT-AFGW0 | PT-AFGW0 | PT-AFGW0 |
| Recommended Decoration Panel* | Color | - | White | White | White |
| | Dimensions | Body mm | 950 x 35 x 950 | 950 x 35 x 950 | 950 x 35 x 950 |
| | Weight | Body kg | 7.5 | 7.5 | 7.5 |
| OUTDOOR | | UUID3 U30 | | | |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | | | |
| Circuit Breaker | Min | A | 20 | | |
| Power Supply Cable (Included Earth) | No x mm³ | | 5C x 2.5 | | |
| Dimensions | Net | W x H x D mm | | 950 x 1,380 x 330 | |
| Weight | Net | kg | | 85 | |
| Compressor | Type | - | Inverter Scroll | | |
| | Type | - | R32 | | |
| Refrigerant | GWP (Global Warming Potential) | - | 675 | | |
| | Precharged Amount | kg | 3.0 | | |
| | t-CO ₂ eq | - | 2.025 | | |
| | Additional Charge (After | | | | |

CEILING MOUNTED CASSETTE



STANDARD INVERTER (R32)

CT09F
CT12F
CT18F
CT24F
UT30F



UUA1 UL0 UUB1 U20 UUC1 U40

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| COMBINATION | | 9 | 12 | 18 | 24 | 30 | |
|---------------------------|-------------------|----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Capacity | Cooling | Min - Rated - Max kW | 1.5 / 2.5 / 3.2 | 1.5 / 3.4 / 4.5 | 2.0 / 5.0 / 5.8 | 2.7 / 6.8 / 8.0 | 3.2 / 8.0 / 9.2 |
| | Heating | Min - Rated - Max kW | 1.8 / 3.2 / 3.7 | 1.8 / 4.1 / 5.0 | 2.3 / 5.7 / 6.6 | 3.0 / 7.5 / 9.0 | 3.6 / 8.9 / 10.1 |
| Power Input (Set) | Cooling | Min - Rated - Max kW | 0.30 / 0.61 / 0.87 | 0.30 / 0.98 / 1.62 | 0.30 / 1.57 / 2.20 | 0.40 / 1.93 / 2.66 | 0.50 / 2.45 / 3.14 |
| | Heating | Min - Rated - Max kW | 0.30 / 0.75 / 0.89 | 0.30 / 1.11 / 1.57 | 0.30 / 1.52 / 2.13 | 0.40 / 1.96 / 2.84 | 0.50 / 2.62 / 3.25 |
| Running Current | Cooling | Rated A | 2.7 | 4.4 | 8.0 | 8.6 | 10.9 |
| | Heating | Rated A | 3.3 | 4.9 | 7.8 | 8.7 | 11.6 |
| EER / COP | | kWh/kWh | 4.10 / 4.30 | 3.50 / 3.71 | 3.19 / 3.74 | 3.52 / 3.83 | 3.27 / 3.40 |
| SEER / SCOP | | kWh/kWh | 6.7 / 4.0 | 6.7 / 4.0 | 6.4 / 4.3 | 7.4 / 4.3 | 7.1 / 4.3 |
| Pdesign | Cooling @ 35°C | kW | 2.5 | 3.4 | 5 | 6.8 | 8 |
| | Heating @ -10°C | kW | 2.8 | 2.8 | 4.1 | 5.6 | 5.6 |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | kWh | 131 / 980 | 178 / 980 | 273 / 1,335 | 322 / 1,823 | 394 / 1,823 |
| Dehumidification Rate | | l/h | 0.63 | 1.26 | 1.89 | 2.8 | 2.8 |
| ODU Sound Pressure Level | Cooling / Heating | Rated dB(A) | 49 / 52 | 49 / 52 | 48 / 52 | 50 / 52 | 50 / 52 |
| ODU Sound Power Level | Cooling | Rated dB(A) | 65 | 65 | 63 | 65 | 68 |
| | Liquid | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø9.52 (3/8) |
| Piping Connections | Gas | mm (inch) | Ø9.52 (3/8) | Ø12.7 (1/2) | Ø15.88 (5/8) | Ø15.88 (5/8) | Ø15.88 (5/8) |
| Connections Method | - | | Flared | Flared | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min - Max °C | -15 - 50 | -15 - 50 | -20 - 50 | -20 - 50 | -20 - 50 |
| | Heating | Min - Max °C | -20 - 18 | -20 - 18 | -20 - 18 | -20 - 18 | -20 - 18 |

| INDOOR | | CT09F NRO | CT12F NRO | CT18F NQO | CT24F NBO | UT30F NBO |
|-------------------------------|------------|----------------|--------------------|-----------------|-----------------|-----------------|
| 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 |
| Power Input (IDU) | H / M / L | W | 26 / 22 / 19 | 28 / 24 / 20 | 30 / 26 / 22 | 36 / 26 / 21 |
| Air Flow Rate | H / M / L | m³ / min | 85 / 70 / 60 | 95 / 80 / 70 | 13 / 12 / 11 | 18 / 155 / 14 |
| 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 |
| Weight | Body | kg | 12.4 | 12.4 | 13.9 | 21.1 |
| Sound Pressure Level | Cooling | H / M / L | dB(A) 36 / 33 / 30 | 38 / 35 / 32 | 41 / 39 / 37 | 38 / 36 / 34 |
| Sound Power Level | Cooling | Max | dB(A) 52 | 52 | 57 | 53 |
| Piping Connections | Drain | O.D. / I.D. mm | Ø32.0 / 25.0 | Ø32.0 / 25.0 | Ø32.0 / 25.0 | Ø32.0 / 25.0 |
| | Model Name | - | PT-QAGW0 | PT-QAGW0 | PT-AAGW0 | PT-AAGW0 |
| Recommended Decoration Panel* | Color | - | White | White | White | White |
| Dimensions | Body | mm | 620 x 34 x 620 | 620 x 34 x 620 | 950 x 35 x 950 | 950 x 35 x 950 |
| Weight | Body | kg | 3.0 | 3.0 | 7.1 | 7.1 |

| OUTDOOR | | UUAI UL0 | UUB1 U20 | UUC1 U40 | |
|-------------------------------------|--------------------------------|--------------------|-----------------|-----------------|--------|
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | |
| Circuit Breaker | Min A | 15 | 20 | 25 | |
| Power Supply Cable (Included Earth) | No x mm³ | 3C x 1.5 | 3C x 2.5 | 3C x 2.5 | |
| Dimensions | Net W x H x D mm | 770 x 545 x 288 | 870 x 650 x 330 | 950 x 834 x 330 | |
| Weight | Net kg | 33.3 | 44.5 | 57.7 | |
| Compressor | Type | - Twin Rotary | Twin Rotary | Twin Rotary | |
| | Type | - R32 | R32 | R32 | |
| Refrigerant | GWP (Global Warming Potential) | - | 675 | 675 | 675 |
| | Precharged Amount | kg | 1.0 | 1.2 | 1.9 |
| | t-CO₂eq | - | 0.675 | 0.81 | 1.283 |
| | Additional Charge (After 7.5m) | g/m | 20 | 20 | 40 |
| Fan | Air Flow Rate | Rated m³/min x No. | 28 x 1 | 50 x 1 | 58 x 1 |
| Total Piping Length | Min / Max m | 5 / 30 | 5 / 30 | 5 / 50 | |
| Piping Elevation | IDU - ODU Max m | 30 | 30 | 30 | |

* Decoration panel can be selected as an optional accessory.

Note :

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

2. Performances are based on the following conditions (It is accordance with EN14511)

- Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB

- Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB

- Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.

3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

4. This product contains fluorinated greenhouse gases. (R32)

CEILING MOUNTED CASSETTE



STANDARD INVERTER (R32)

UT36F
UT42F
UT48F
UT60F



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

| COMBINATION | | 9 | 12 | 18 | 24 | 30 | |
|---------------------------|-------------------|----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Capacity | Cooling | Min - Rated - Max kW | 1.5 / 2.5 / 3.2 | 1.5 / 3.4 / 4.5 | 2.0 / 5.0 / 5.8 | 2.7 / 6.8 / 8.0 | 3.2 / 8.0 / 9.2 |
| | Heating | Min - Rated - Max kW | 1.8 / 3.2 / 3.7 | 1.8 / 4.1 / 5.0 | 2.3 / 5.7 / 6.6 | 3.0 / 7.5 / 9.0 | 3.6 / 8.9 / 10.1 |
| Power Input (Set) | Cooling | Min - Rated - Max kW | 0.30 / 0.61 / 0.87 | 0.30 / 0.98 / 1.62 | 0.30 / 1.57 / 2.20 | 0.40 / 1.93 / 2.66 | 0.50 / 2.45 / 3.14 |
| | Heating | Min - Rated - Max kW | 0.30 / 1.11 / 1.57 | 0.30 / 1.52 / 2.13 | 0.40 / 1.96 / 2.84 | 0.50 / 2.62 / 3.25 | |
| Running Current | Cooling | Rated A | 2.7 | 4.4 | 8.0 | 8.6 | 10.9 |
| | Heating | Rated A | 3.3 | 4.9 | 7.8 | 8.7 | 11.6 |
| EER / COP | | kWh/kWh | 4.10 / 4.30 | 3.50 / 3.71 | 3.19 / 3.74 | 3.52 / 3.83 | 3.27 / 3.40 |
| SEER / SCOP | | kWh/kWh | 6.7 / 4.0 | 6.7 / 4.0 | 6.4 / 4.3 | 7.4 / 4.3 | 7.1 / 4.3 |
| Pdesign | Cooling @ 35°C | kW | 2.5 | 3.4 | 5 | 6.8 | 8 |
| | Heating @ -10°C | kW | 2.8 | 2.8 | 4.1 | 5.6 | 5.6 |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | kWh | 131 / 980 | 178 / 980 | 273 / 1,335 | 322 / 1,823 | 394 / 1,823 |
| Dehumidification Rate | | l/h | 0.63 | 1.26 | 1.89 | 2.8 | 2.8 |
| ODU Sound Pressure Level | Cooling / Heating | Rated dB(A) | 49 / 52 | 49 / 52 | 48 / 52 | 50 / 52 | 50 / 52 |
| ODU Sound Power Level | Cooling | Rated dB(A) | 65 | 65 | 63 | 65 | 68 |
| | Liquid | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø9.52 (3/8) |
| Piping Connections | Gas | mm (inch) | Ø9.52 (3/8) | Ø12.7 (1/2) | Ø15.88 (5/8) | Ø15.88 (5/8) | Ø15.88 (5/8) |
| Connections Method | - | | Flared | Flared | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min - Max °C | -15 - 50 | -15 - 50 | -20 - 50 | -20 - 50 | -20 - 50 |
| | Heating | Min - Max °C | -20 - | | | | |

CEILING MOUNTED CASSETTE



STANDARD INVERTER (R32)

UT36F
UT42F
UT48F
UT60F



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UUID3 U30

| COMBINATION | | 36 | 42 | 48 | 60 |
|----------------------------------|-------------------|----------------------|--------------------|--------------------|--------------------|
| Capacity | Cooling | Min - Rated - Max kW | 3.8 / 9.5 / 12.5 | 4.8 / 12.1 / 14.2 | 5.4 / 13.4 / 15.7 |
| | Heating | Min - Rated - Max kW | 4.3 / 10.8 / 13.4 | 5.4 / 13.5 / 15.8 | 6.2 / 15.5 / 17.5 |
| Power Input (Set) | Cooling | Min - Rated - Max kW | 0.50 / 2.26 / 3.44 | 0.70 / 3.31 / 4.30 | 0.90 / 4.25 / 5.53 |
| | Heating | Min - Rated - Max kW | 0.50 / 2.43 / 3.30 | 0.70 / 3.51 / 4.56 | 0.90 / 4.37 / 5.33 |
| Running Current | Cooling | Rated A | 3.8 | 5.2 | 6.6 |
| | Heating | Rated A | 3.9 | 5.4 | 6.7 |
| EER / COP | | kWh/kWh | 4.20 / 4.45 | 3.66 / 3.85 | 3.15 / 3.55 |
| SEER / SCOP | | kWh/kWh | 7.0 / 4.3 | 7.0 / 4.3 | 6.5 / 4.2 |
| Pdesign | Cooling @ 35°C | kW | 9.5 | 12.1 | 13.4 |
| | Heating @ -10°C | kW | 9.5 | 9.5 | 9.5 |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A+ | - / - | - / - |
| Annual Energy Consumption | Cooling / Heating | kWh | 475 / 3,093 | 1,037 / 3,093 | 1,237 / 3,167 |
| Dehumidification Rate | | l/h | 2.4 | 4.5 | 5.7 |
| ODU Sound Pressure Level | Cooling / Heating | Rated dB(A) | 50 / 50 | 51 / 52 | 52 / 53 |
| ODU Sound Power Level | Cooling | Rated dB(A) | 66 | 69 | 69 |
| | Liquid | mm (inch) | 09.52 (3/8) | 09.52 (3/8) | 09.52 (3/8) |
| Piping Connections | Gas | mm (inch) | 015.88 (5/8) | 015.88 (5/8) | 015.88 (5/8) |
| Connections Method | - | | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min - Max °C | -20 - 52 | -20 - 52 | -20 - 52 |
| | Heating | Min - Max °C | -25 - 18 | -25 - 18 | -25 - 18 |

| INDOOR | | UT36F NAO | UT42F NAO | UT48F NAO | UT60F NAO |
|--------------------------------------|------------|----------------|--------------------|-----------------|-----------------|
| Power Supply | | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 60 / 50 / 45 | 60 / 50 / 45 | 80 / 60 / 50 |
| Air Flow Rate | H / M / L | m³/min | 275 / 25 / 22.5 | 275 / 25 / 22.5 | 30 / 27.5 / 25 |
| Dimensions | Body | W x H x D mm | 840 x 288 x 840 | 840 x 288 x 840 | 840 x 288 x 840 |
| Weight | Body | kg | 25.3 | 25.3 | 25.3 |
| Sound Pressure Level | Cooling | H / M / L | dB(A) 44 / 42 / 41 | 44 / 42 / 41 | 46 / 44 / 42 |
| Sound Power Level | Cooling | Max | dB(A) 61 | 61 | 62 |
| Piping Connections | Drain | O.D. / I.D. mm | Ø32.0 / 25.0 | Ø32.0 / 25.0 | Ø32.0 / 25.0 |
| | Model Name | - | PT-AAGW0 | PT-AAGW0 | PT-AAGW0 |
| Recommended Decoration Panel* | Color | - | White | White | White |
| | Dimensions | Body mm | 950 x 35 x 950 | 950 x 35 x 950 | 950 x 35 x 950 |
| | Weight | Body kg | 7.1 | 7.1 | 7.1 |

| OUTDOOR | | UUID3 U30 |
|--|--------------------------------|--------------------|
| Power Supply | | Ø, V, Hz |
| Circuit Breaker | Min | A |
| Power Supply Cable (Included Earth) | No x mm³ | |
| Dimensions | Net | W x H x D mm |
| Weight | Net | kg |
| Compressor | Type | Inverter Scroll |
| | Type | R32 |
| Refrigerant | GWP (Global Warming Potential) | - |
| | Precharged Amount | kg |
| | t-CO ₂ eq | - |
| | Additional Charging Volume | g/m |
| Fan | Air Flow Rate | Rated m³/min x No. |
| | | 55 x 2 |
| Total Piping Length | Min / Max | m |
| | | 5 / 85 |
| Piping Elevation | IDU - ODU | Max m |
| | | 30 |

* Decoration panel can be selected as an optional accessory.

Note :

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

2. Performances are based on the following conditions (It is accordance with EN14511)

- Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB

- Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB

- Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.

3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

4. This product contains fluorinated greenhouse gases. (R32)

CEILING MOUNTED CASSETTE



COMPACT INVERTER (R32)

CT18F
CT24F
UT30F
UT36F

**UUA1 UL0****UUB1 U20****UUC1 U40**

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

| COMBINATION | | 18 | 24 | 30 | 36 |
|----------------------------------|-------------------|----------------------|--------------------|--------------------|--------------------|
| Capacity | Cooling | Min - Rated - Max kW | 1.8 / 5.0 / 5.5 | 2.7 / 6.8 / 7.5 | 3.0 / 7.5 / 8.3 |
| | Heating | Min - Rated - Max kW | 2.1 / 5.2 / 5.7 | 3.0 / 7.9 / 8.7 | 4.3 / 10.8 / 11.7 |
| Power Input (Set) | Cooling | Min - Rated - Max kW | 0.34 / 1.76 / 2.11 | 0.40 / 2.00 / 2.40 | 0.50 / 2.31 / 2.77 |
| | Heating | Min - Rated - Max kW | 0.30 / 1.45 / 1.87 | 0.40 / 2.21 / 2.87 | 0.50 / 2.37 / 3.08 |
| Running Current | Cooling | Rated A | 7.8 | 8.8 | 10.1 |
| | Heating | Rated A | 6.4 | 9.6 | 10.4 |
| EER / COP | | kWh/kWh | 2.85 / 3.60 | 3.40 / 3.39 | 3.25 / 3.34 |
| SEER / SCOP | | kWh/kWh | 6.3 / 3.9 | 7.0 / 4.2 | 6.8 / 4.2 |
| Pdesign | Cooling @ 35°C | kW | 5 | 6.8 | 7.5 |
| | Heating @ -10°C | kW | 28 | 4.1 | 5.6 |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A | A++ / A+ | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | kWh | 278 / 1,005 | 340 / 1,367 | 386 / 1,367 |
| Dehumidification Rate | | l/h | 1.8 | 2.6 | 3.1 |
| ODU Sound Pressure Level | Cooling / Heating | Rated dB(A) | 49 / 52 | 48 / 53 | 50 / 54 |
| ODU Sound Power Level | Cooling | Rated dB(A) | 65 | 65 | 67 |
| | Liquid | mm (inch) | Ø6.35 (1/4) | Ø9.52 (3/8) | Ø9.52 (3/8) |
| Piping Connections | Gas | mm (inch) | Ø9.52 (3/8) | Ø15.88 (5/8) | Ø15.88 (5/8) |
| Connections Method | - | | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min - Max °C | -10 - 50 | -10 - 48 | -10 - 48 |
| | Heating | Min - Max °C | -10 - 18 | -15 - 18 | -15 - 18 |

| INDOOR | | CT18F NQ0 | CT24F NBO | UT30F NBO | UT36F NAO |
|--------------------------------------|------------|----------------|--------------------|-----------------|------------------|
| Power Supply | | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 30 / 26 / 22 | 36 / 26 / 21 | 40 / 33 / 26 |
| Air Flow Rate | H / M / L | m³/min | 13 / 12 / 11 | 18 / 15.5 / 14 | 27.5 / 25 / 22.5 |
| Dimensions | Body | W x H x D mm | 570 x 256 x 570 | 840 x 204 x 840 | 840 x 288 x 840 |
| Weight | Body | kg | 13.9 | 21.1 | 25.3 |
| Sound Pressure Level | Cooling | H / M / L | dB(A) 41 / 39 / 37 | 38 / 36 / 34 | 40 / 37 / 35 |
| Sound Power Level | Cooling | Max | dB(A) 57 | 53 | 57 |
| Piping Connections | Drain | O.D. / I.D. mm | Ø32.0 / 25.0 | Ø32.0 / 25.0 | Ø32.0 / 25.0 |
| | Model Name | - | PT-QAGW0 | PT-AAGW0 | PT-AAGW0 |
| Recommended Decoration Panel* | Color | - | White | White | White |
| | Dimensions | Body mm | 620 x 34 x 620 | 950 x 35 x 950 | 950 x 35 x 950 |
| | Weight | Body kg | 3.0 | 7.1 | 7.1 |

CASSETTE PANEL



Model Name

PT-AAGW0
PT-AEGW0
PT-AGFW0
PT-QAGW0

Key Features

| Model | Function | | | | | |
|----------|-----------|----------|--------------------------|------------------|------------------|------------------|
| | Dual Vane | Wi-Fi | Floor Temperature Sensor | Air Purification | Elevating Grille | Occupancy Sensor |
| PT-AAGW0 | O | Optional | X | X | X | Optional |
| PT-AEGW0 | O | Optional | X | X | O | Optional |
| PT-AGFW0 | O | Optional | O | Optional | X | Optional |

Specification

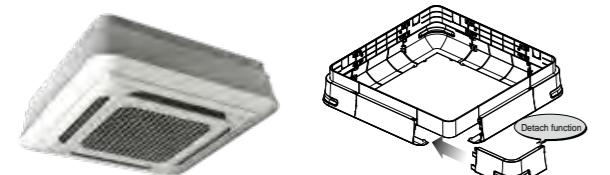
| Model | Suction Type | Color (RAL) | Gloss | Weight (kg) | Dimension (mm) | | |
|----------|--------------|------------------|-------|-------------|----------------|----|-----|
| | | | | | W | H | D |
| PT-AAGW0 | Grid | White (RAL 9003) | - | 7.1 | 950 | 35 | 950 |
| PT-AEGW0 | Grid | White (RAL 9003) | - | 8.5 | 950 | 35 | 950 |
| PT-AGFW0 | Grid | White (RAL 9003) | - | 7.5 | 950 | 35 | 950 |
| PT-QAGW0 | Grid | White (RAL 9003) | - | 3.0 | 620 | 34 | 620 |

Air Purification Kit

| Model | Image | Model name | Dielectric Dust collecting filter | Photocatalytic Deodorizing filter | HVPS | Ionizer |
|------------------|-------|------------|-----------------------------------|-----------------------------------|------|---------|
| Air cleaning kit | | PTAFMPO | | | | |

CASSETTE COVER

Cover in case of exposed cassette installation.



Key Features

- Specially designed for indoor unit
- Covers the side area of cassette
- Gives elegant looks
- Light weight

Specification

| Model | Front Panel | Weight (kg) | | Dimensions (mm) | | |
|-------|-------------|-------------|-------|-----------------|-----|---------|
| | | NET | Gross | W | H | D |
| PTDCQ | PT-UQC | TR | 5.0 | 7.2 | 907 | 907 268 |
| | | TQ | 5.0 | 7.2 | 907 | 907 310 |

Model Name

PTDCQ / PTDCA*

Applied Products

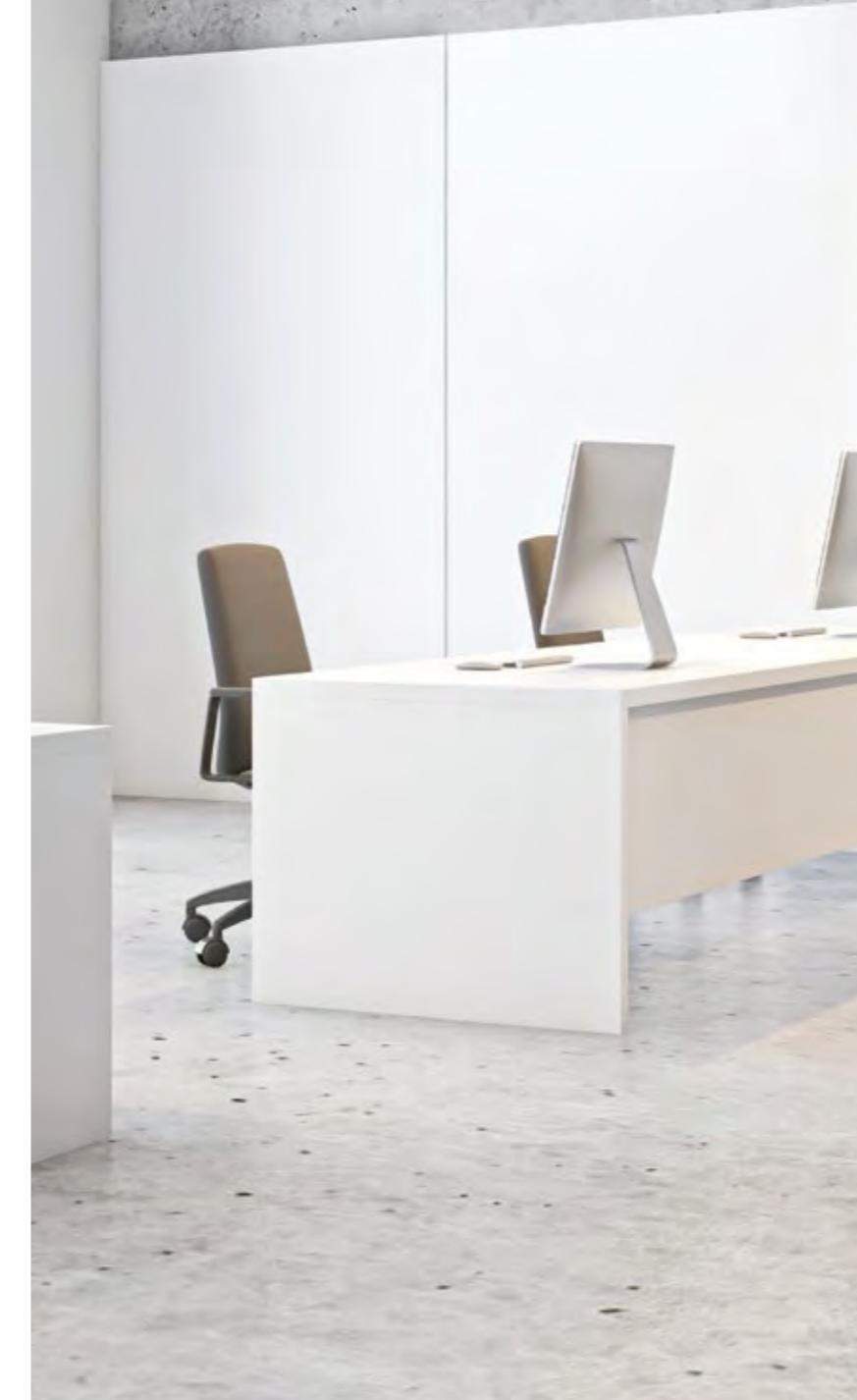
4 Way Cassette (for chassis TQ, TR)

Included Parts

| | |
|--------------------|-----------------------|
| • Cover A, Cover B | • Screws |
| • Cover C, Cover D | • Installation Manual |
| | |
| | |
| | Installation Manual |

* PTDCA suitable for Dual Vane 4 Way CST (840 x 840) will be available later.

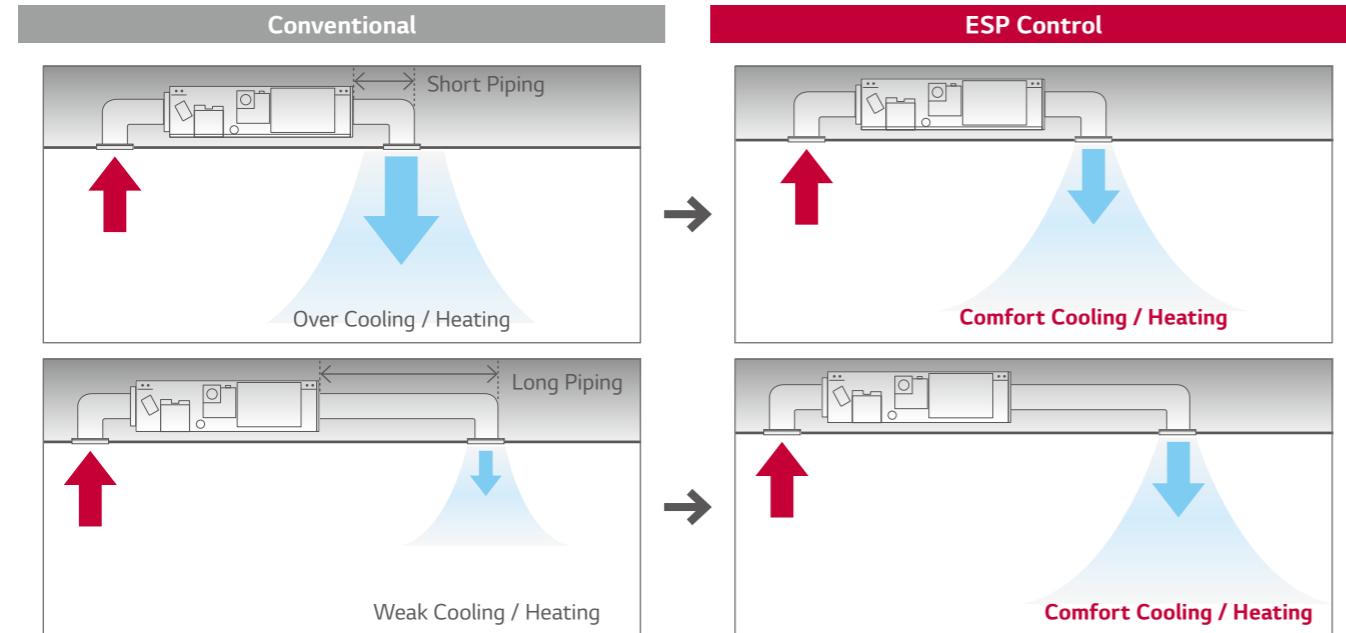
CEILING CONCEALED DUCT



CEILING CONCEALED DUCT

External Static Pressure (ESP) Control

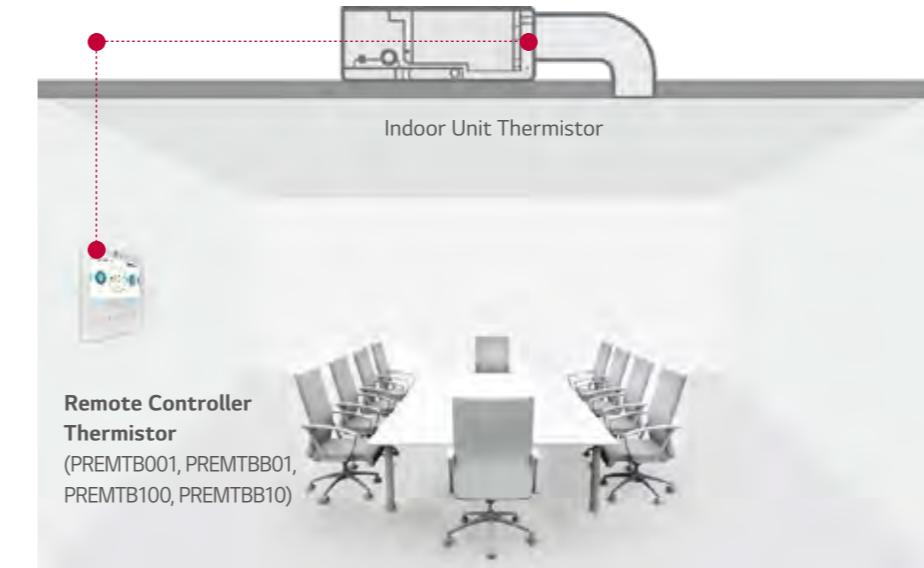
User has easy access to air volume selection via remote controller using the ESP control function. The BLDC motor can control fan speed and air volume. No additional accessories are necessary to control air flow.



CEILING CONCEALED DUCT

Two Thermistors Control

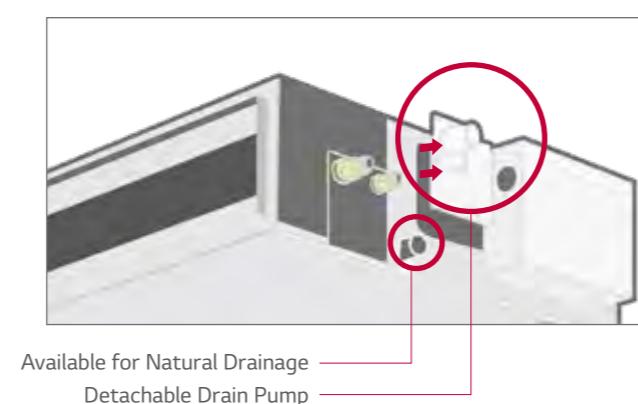
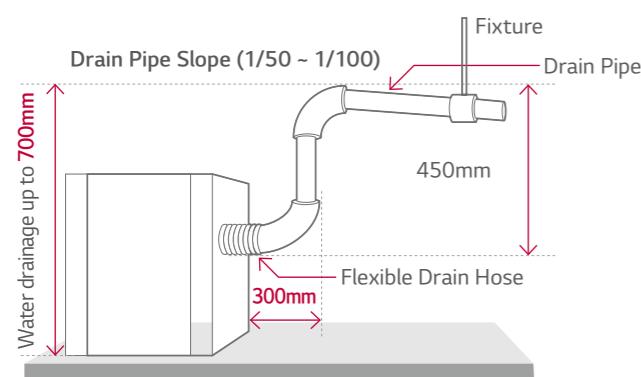
The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit. There may be a significant difference between ceiling and floor air temperature. Two thermistors can optimize indoor air temperature for a more comfortable environment.



Compares temperatures sensed from different positions, and automatically selects the optimum temperature for users.

High Head Drain Pump

High head drain pump automatically drains water up to a height of 700mm of drain-head height. It provides the perfect solution for draining of water.



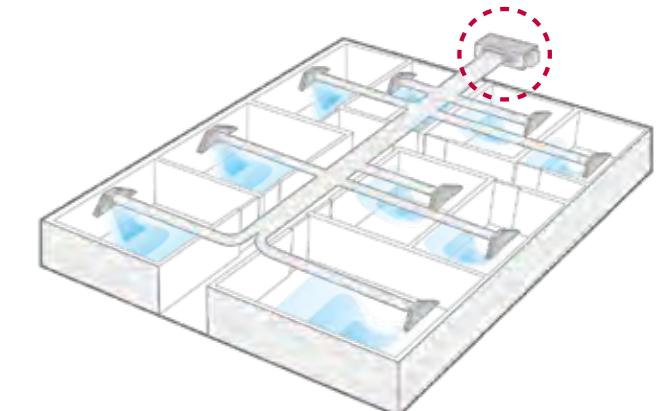
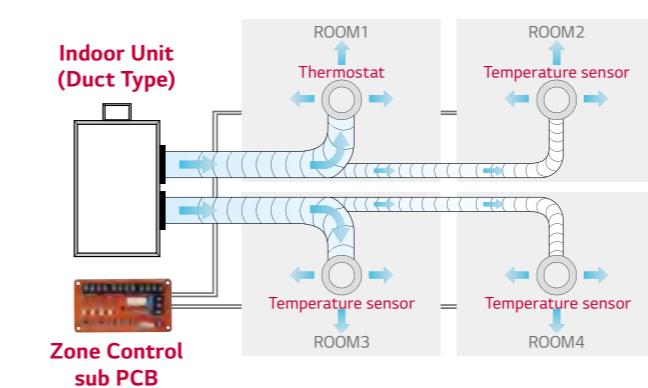
※ Standard Inverter : Accessory (ABDPG) / Low-Static Duct : Included
※ Required by option for Standard / Compact Inverter high static pressure models.

Operation for Multiple Rooms

Using a spiral duct (Embedded or flexible type) and stream chamber, it is possible to operate cooling / heating for several rooms simultaneously. Also, zone control is available with zone controller accessory. (ABZCA)

Zone control features

- Controls different zones (Up to 4 zones) by external thermostat (AC 24V)
- Maintain proper air volume of each zone
- Auto variation of dampers
- Auto control of fan speed and On / Off operation

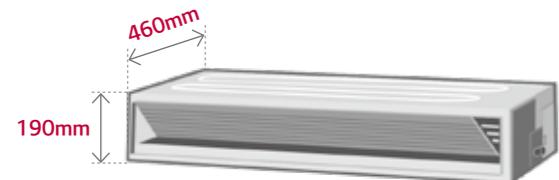


CEILING CONCEALED DUCT

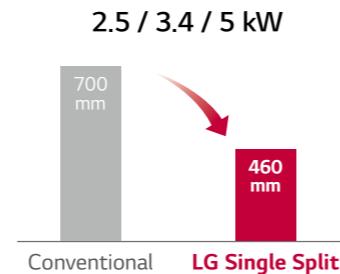
Minimized Height and Depth

New Low Static ducts provide ideal solution for installation in limited space.

Low Static Duct

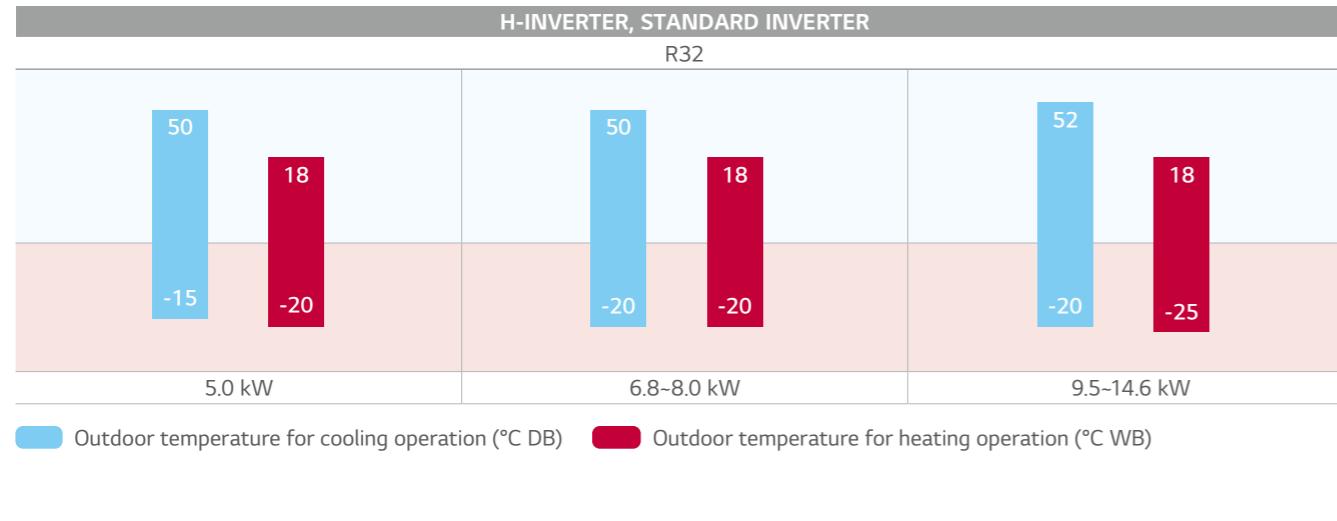


Depth



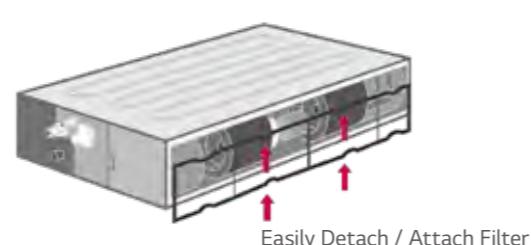
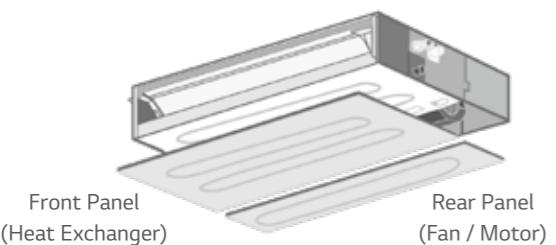
※ CL09F N50, CL12F N50, CL18F N60, UL12FH N50 only

Wide Operation Range



Easy Service & Maintenance

Users are not required to disassemble the whole panel for maintenance; since panel is divided into 2 components; one for heat exchanger and the other for fan / motor. The user can easily detach and re-attach the filter in the available limited space.

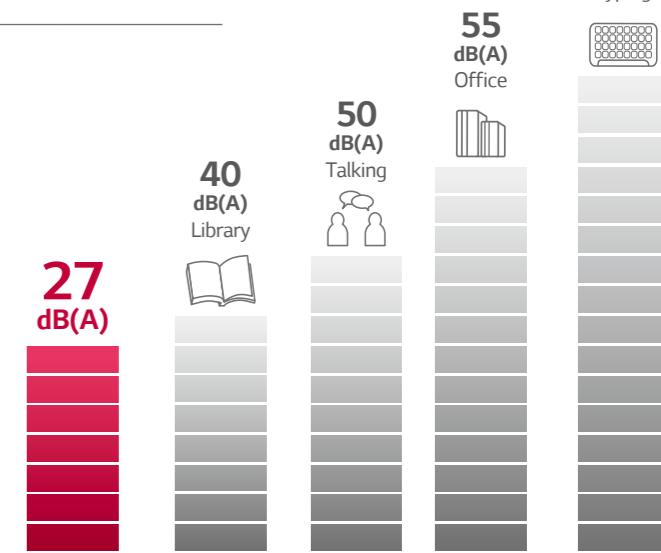


CEILING CONCEALED DUCT (LOW STATIC PRESSURE)

Quiet Operation

The noise level of low static ducts have been reduced, even though ESP has been increased.

| | CL09F N50 | CL12F N50 | CL18F N60 | CL24F N30 |
|--|--------------|--------------|--------------|--------------|
| Sound Pressure (High / Medium / Low) dB(A) | 35 / 30 / 27 | 35 / 30 / 27 | 34 / 31 / 29 | 39 / 35 / 32 |

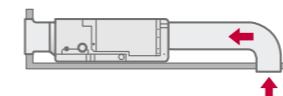


Flexible Installation

Standard Inverter low static duct allows the air intake at the rear or bottom under installation condition.

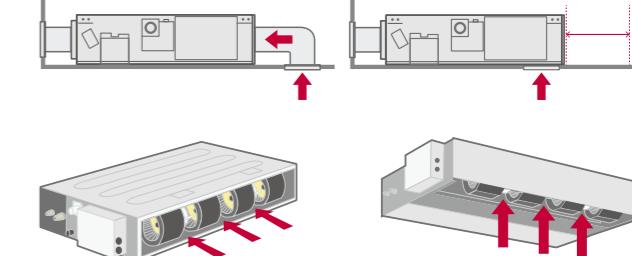
Conventional

Air intake at the only rear



Low Static Duct

Air intake at the rear or bottom



CEILING CONCEALED DUCT

**H-INVERTER (R32)****LOW STATIC PRESSURE****- UL12FH / UL18FH**

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

UUA1 ULO UUB1 U20

| COMBINATION | | | 12 | 18 |
|---------------------------|--------------------|----------------------|--------------------|--------------------|
| Capacity | Cooling | Min ~ Rated ~ Max kW | 1.5 / 3.4 / 4.7 | 2.0 / 5.0 / 6.0 |
| | Heating | Min ~ Rated ~ Max kW | 1.8 / 4.0 / 4.9 | 2.3 / 5.8 / 7.0 |
| Power Input (Set) | Cooling | Min ~ Rated ~ Max kW | 0.33 / 1.05 / 1.84 | 0.30 / 1.39 / 1.88 |
| | Heating | Min ~ Rated ~ Max kW | 0.33 / 1.08 / 1.63 | 0.30 / 1.56 / 2.12 |
| Running Current | Cooling | Rated A | 4.7 | 7.6 |
| | Heating | Rated A | 4.8 | 8.1 |
| EER / COP | | kWh/kWh | 3.23 / 3.71 | 3.60 / 3.71 |
| SEER / SCOP | | kWh/kWh | 6.1 / 4.0 | 6.5 / 4.1 |
| Pdesign | Cooling @ 35°C | kW | 3.4 | 5 |
| | Heating @ -10°C | kW | 2.9 | 4.1 |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A+ | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | kWh | 195 / 1,015 | 269 / 1,400 |
| Dehumidification Rate | | l/h | 0.8 | 2.6 |
| ODU Sound Pressure Level | Cooling / Heating | Rated dB(A) | 49 / 52 | 47 / 52 |
| ODU Sound Power Level | Cooling | Rated dB(A) | 65 | 63 |
| | Liquid | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) |
| Piping Connections | Gas | mm (inch) | Ø9.52 (3/8) | Ø12.7 (1/2) |
| | Connections Method | - | FLARED | Flared |
| Operation Range (Outdoor) | Cooling | Min ~ Max °C | -15 ~ 50 | -15 ~ 50 |
| | Heating | Min ~ Max °C | -20 ~ 18 | -20 ~ 18 |

INDOOR**UL12FH N50****UL18FH N30**

| OUTDOOR | | | UL12FH N50 | UL18FH N30 |
|-------------------------------------|--------------------------------|-----------|---------------------------|-----------------|
| Power Supply | Ø, V, Hz | | 1, 220-240, 50 | 1, 220-240, 50 |
| Circuit Breaker | Min | A | 15 | 20 |
| Power Supply Cable (Included Earth) | No x mm ² | | 3C x 1.5 | 3C x 2.5 |
| Dimensions | Net | W x H x D | mm | 770 x 545 x 288 |
| Weight | Net | kg | 33.3 | 44.5 |
| Compressor | Type | - | Twin Rotary | Twin Rotary |
| | Type | - | R32 | R32 |
| Refrigerant | GWP (Global Warming Potential) | - | 675 | 675 |
| | Precharged Amount | kg | 1.0 | 1.2 |
| | t-CO ₂ eq | - | 0.675 | 0.81 |
| | Additional Charge (After 7.5m) | g/m | 20 | 20 |
| Fan | Air Flow Rate | Rated | m ³ /min x No. | 28 x 1 |
| Total Piping Length | Min / Max | m | 5 / 30 | 5 / 30 |
| Piping Elevation | IDU - ODU | Max | m | 30 |

OUTDOOR**UUA1 ULO****UUB1 U20**

| INDOOR | | | UL12FH N50 | UL18FH N30 |
|-------------------------------------|--------------------------------|-----------|---------------------------|-----------------|
| Power Supply | Ø, V, Hz | | 1, 220-240, 50 | 1, 220-240, 50 |
| Circuit Breaker | Min | A | 15 | 20 |
| Power Supply Cable (Included Earth) | No x mm ² | | 3C x 1.5 | 3C x 2.5 |
| Dimensions | Net | W x H x D | mm | 770 x 545 x 288 |
| Weight | Net | kg | 33.3 | 44.5 |
| Compressor | Type | - | Twin Rotary | Twin Rotary |
| | Type | - | R32 | R32 |
| Refrigerant | GWP (Global Warming Potential) | - | 675 | 675 |
| | Precharged Amount | kg | 1.0 | 1.2 |
| | t-CO ₂ eq | - | 0.675 | 0.81 |
| | Additional Charge (After 7.5m) | g/m | 20 | 20 |
| Fan | Air Flow Rate | Rated | m ³ /min x No. | 28 x 1 |
| Total Piping Length | Min / Max | m | 5 / 30 | 5 / 30 |
| Piping Elevation | IDU - ODU | Max | m | 30 |

CEILING CONCEALED DUCT

**H-INVERTER (R32)****MID STATIC PRESSURE****- UM12FH / UM18FH / UM24FH / UM30FH**

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

UUA1 ULO**UUB1 U20****UUC1 U40**

| COMBINATION | | | 12 | 18 | 24 | 30 |
|---------------------------|--------------------|----------------------|--------------------|--------------------|--------------------|--------------------|
| Capacity | Cooling | Min ~ Rated ~ Max kW | 1.6 / 3.5 / 5.1 | 2.0 / 5.0 / 6.0 | 2.7 / 6.8 / 8.3 | 3.1 / 7.8 / 9.3 |
| | Heating | Min ~ Rated ~ Max kW | 1.6 / 4.0 / 5.8 | 2.3 / 5.8 / 7.0 | 3.0 / 7.5 / 9.4 | 3.6 / 9.0 / 10.7 |
| Power Input (Set) | Cooling | Min ~ Rated ~ Max kW | 0.32 / 1.03 / 1.93 | 0.30 / 1.26 / 1.70 | 0.40 / 1.84 / 2.56 | 0.50 / 2.25 / 2.99 |
| | Heating | Min ~ Rated ~ Max kW | 0.32 / 0.98 / 1.85 | 0.30 / 1.49 / 2.01 | 0.40 / 1.75 / 2.52 | 0.50 / 2.27 / 3.11 |
| Running Current | Cooling | Rated A | 4.6 | 7.3 | 8.2 | 10.0 |
| | Heating | Rated A | 4.3 | 7.8 | 7.8 | 10.1 |
| EER / COP | | kWh/kWh | 3.40 / 4.10 | 3.96 / 3.89 | 3.70 / 4.28 | 3.51 / 3.97 |
| SEER / SCOP | | kWh/kWh | 6.1 / 3.9 | 6.6 / 4.2 | 6.8 / 4.3 | 6.6 / 4.3 |
| Pdesign | Cooling @ 35°C | kW | 3.5 | 5 | 6.8 | 7.8 |
| | Heating @ -10°C | kW | 2.8 | 4.4 | 5.4 | 5.4 |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A | A++ / A+ | A++ / A+ | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | kWh | 201 / 1,005 | 265 / 1,467 | 350 / 1,758 | 419 / 1,758 |
| Dehumidification Rate | | l/h | 0.4 | 1.3 | 1.2 | 2.2 |
| ODU Sound Pressure Level | Cooling / Heating | Rated dB(A) | 49 / 52 | 47 / 52 | 48 / 52 | 50 / 52 |
| ODU Sound Power Level | Cooling | Rated dB(A) | 65 | 63 | 65 | 68 |
| | Liquid | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) | Ø9.52 (3/8) | Ø9.52 (3/8) |
| Piping Connections | Gas | mm (inch) | Ø9.52 (3/8) | Ø12.7 (1/2) | Ø15.88 (5/8) | Ø15.88 (5/8) |
| | Connections Method | - | Flared | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min ~ Max °C | -15 ~ 50 | -15 ~ 50 | -20 ~ 50 | -20 ~ 50 |
| | Heating | Min ~ Max °C | -20 ~ 18 | -20 ~ 18 | -20 ~ 18 | -20 ~ 18 |

INDOOR**UM12FH N10****UM18FH N10****UM24FH N20****UM30FH N20**

| OUTDOOR | | | UM12FH N10 | UM18FH N10 | UM24FH N20 | UM30FH N20 |
|----------------------|--------------------------|---------------------|------------------|-----------------|-----------------|-------------------|
| Power Supply | Ø, V, Hz | | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Circuit Breaker | H / M / L | W | 150 / 130 / 110 | 180 / 150 / 130 | 134 / 101 / 80 | 134 / 101 / 80 |
| Air Flow Rate | H / M / L | m ³ /min | 16.5 / 14.5 / 13 | 17.5 / 16 / 14 | 28 / 24 / 21 | 28 / 24 / 21 |
| Dimensions | Body | W x H x D | mm | 900 x 270 x 700 | 900 x 270 x 700 | 1,250 x 270 x 700 |
| Weight | Body | kg | 25.4 | 27.0 | 39.3 | 39.3 |
| Sound Pressure Level | Cooling | H / M / L | dB(A) | 34 / 32 / 30 | 34 / 33 / 32 | 34 / 33 / 32 |
| Sound Power Level | Cooling | Max | dB(A) | 56 | 60 | 59 |
| Piping Connections | Drain (Natural Drainage) | O.D. / I.D. | mm | Ø25.4 / 19.4 | Ø25.4 / 19.4 | Ø25.4 / 19.4 |
| | Drain (Using Drain Pump) | O.D. / I.D. | mm | Ø32.0 / 26.0 | Ø32.0 / 26.0 | Ø32.0 / 26.0 |

OUTDOOR**UUA1 ULO**

CEILING CONCEALED DUCT



H-INVERTER (R32)

MID STATIC PRESSURE

- UM36FH / UM42FH / UM48FH



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

UUID1 U30



| COMBINATION | | | 36 | 42 | 48 |
|----------------------------------|--------------------|----------------------|--------------------|--------------------|--------------------|
| Capacity | Cooling | Min ~ Rated ~ Max kW | 3.8 / 9.5 / 12.8 | 4.8 / 12.0 / 14.4 | 5.4 / 13.4 / 16.1 |
| | Heating | Min ~ Rated ~ Max kW | 4.3 / 10.8 / 13.7 | 5.4 / 13.5 / 16.2 | 6.2 / 15.5 / 17.8 |
| Power Input (Set) | Cooling | Min ~ Rated ~ Max kW | 0.50 / 2.26 / 3.39 | 0.70 / 3.38 / 4.56 | 0.80 / 4.12 / 5.56 |
| | Heating | Min ~ Rated ~ Max kW | 0.50 / 2.57 / 3.60 | 0.70 / 3.51 / 4.56 | 0.80 / 4.18 / 5.24 |
| Running Current | Cooling | Rated A | 10.0 | 14.9 | 18.1 |
| | Heating | Rated A | 11.3 | 15.3 | 18.4 |
| EER / COP | | kWh/kWh | 4.20 / 4.20 | 3.55 / 3.85 | 3.25 / 3.71 |
| SEER / SCOP | | kWh/kWh | 6.4 / 4.2 | 6.2 / 4.1 | 6.1 / 4.1 |
| Pdesign | Cooling @ 35°C | kW | 9.5 | 12 | 13.4 |
| | Heating @ -10°C | kW | 9.5 | 9.5 | 9.5 |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A+ | A++ / A+ | - |
| Annual Energy Consumption | Cooling / Heating | kWh | 520 / 3,167 | 677 / 3,244 | 1,318 / 3,244 |
| Dehumidification Rate | | l/h | 20 | 4.2 | 4.8 |
| ODU Sound Pressure Level | Cooling / Heating | Rated dB(A) | 50 / 50 | 51 / 52 | 52 / 53 |
| ODU Sound Power Level | Cooling | Rated dB(A) | 66 | 69 | 69 |
| | Liquid | mm (inch) | 09.52 (3/8) | 09.52 (3/8) | 09.52 (3/8) |
| Piping Connections | Gas | mm (inch) | 015.88 (5/8) | 015.88 (5/8) | 015.88 (5/8) |
| | Connections Method | - | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min ~ Max °C | -20 ~ 52 | -20 ~ 52 | -20 ~ 52 |
| | Heating | Min ~ Max °C | -25 ~ 18 | -25 ~ 18 | -25 ~ 18 |

INDOOR **UM36FH N30** **UM42FH N30** **UM48FH N30**

| | | | | |
|-----------------------------|--------------------------------------|----------------|-------------------|-------------------|
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 242 / 159 / 124 | 242 / 159 / 124 |
| Air Flow Rate | H / M / L | m³/min | 40 / 34 / 28 | 40 / 34 / 28 |
| Dimensions | Body | W x H x D | 1,250 x 360 x 700 | 1,250 x 360 x 700 |
| Weight | Body | kg | 44.3 | 44.3 |
| Sound Pressure Level | Cooling | H / M / L | 39 / 38 / 36 | 39 / 38 / 36 |
| Sound Power Level | Cooling | Max | dB(A) | 65 |
| Piping Connections | Drain (Natural Drainage) O.D. / I.D. | mm | Ø25.4 / 19.4 | Ø25.4 / 19.4 |
| | Drain (Using Drain Pump) O.D. / I.D. | mm | Ø32.0 / 26.0 | Ø32.0 / 26.0 |

OUTDOOR **UUID1 U30**

| | | | | |
|--|--------------------------------|----------------|-----------------|-------------------|
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | | |
| Circuit Breaker | Min | A | 40 | |
| Power Supply Cable (Included Earth) | No x mm² | | 3C x 6.0 | |
| Dimensions | Net | W x H x D | mm | 950 x 1,380 x 330 |
| Weight | Net | kg | | 85.0 |
| Compressor | Type | - | Inverter Scroll | |
| | Type | - | R32 | |
| Refrigerant | GWP (Global Warming Potential) | - | 675 | |
| | Precharged Amount | kg | | 3.0 |
| | t-CO₂eq | - | | 2.025 |
| | Additional Charge (After 7.5m) | g/m | | 40 |
| Fan | Air Flow Rate | Rated | m³/min x No. | 55 x 2 |
| Total Piping Length | | Min / Max | m | 5 / 85 |
| Piping Elevation | IDU - ODU | Max | m | 30 |

CEILING CONCEALED DUCT



H-INVERTER (R32)

MID STATIC PRESSURE

- UM36FH / UM42FH / UM48FH



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UUID3 U30



| COMBINATION | | | 36 | 42 | 48 |
|----------------------------------|--------------------|----------------------|--------------------|--------------------|--------------------|
| Capacity | Cooling | Min ~ Rated ~ Max kW | 3.8 ~ 9.5 ~ 12.8 | 4.8 ~ 12.0 ~ 14.4 | 5.4 ~ 13.4 ~ 16.1 |
| | Heating | Min ~ Rated ~ Max kW | 4.3 ~ 10.8 ~ 13.7 | 5.4 ~ 13.5 ~ 16.2 | 6.2 ~ 15.5 ~ 17.8 |
| Power Input (Set) | Cooling | Min ~ Rated ~ Max kW | 0.50 ~ 2.26 ~ 3.39 | 0.70 ~ 3.38 ~ 4.56 | 0.80 ~ 4.12 ~ 5.56 |
| | Heating | Min ~ Rated ~ Max kW | 0.50 ~ 2.57 ~ 3.60 | 0.70 ~ 3.51 ~ 4.56 | 0.80 ~ 4.18 ~ 5.24 |
| Running Current | Cooling | Rated A | 3.8 | 5.3 | 6.5 |
| | Heating | Rated A | 4.1 | 5.5 | 6.5 |
| EER / COP | | kWh/kWh | 4.20 / 4.20 | 3.55 / 3.85 | 3.25 / 3.71 |
| SEER / SCOP | | kWh/kWh | 6.4 / 4.2 | 6.2 / 4.1 | 6.1 / 4.1 |
| Pdesign | Cooling @ 35°C | kW | 9.5 | 12 | 13.4 |
| | Heating @ -10°C | kW | 9.5 | 9.5 | 9.5 |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A+ | A++ / A+ | - |
| Annual Energy Consumption | Cooling / Heating | kWh | 520 / 3,167 | 677 / 3,244 | 1,318 / 3,244 |
| Dehumidification Rate | | l/h | 2.0 | 4.2 | 4.8 |
| ODU Sound Pressure Level | Cooling / Heating | Rated dB(A) | 50 / 50 | 51 / 52 | 52 / 53 |
| ODU Sound Power Level | Cooling | Rated dB(A) | 66 | 69 | 69 |
| | Liquid | mm (inch) | 09.52 (3/8) | 09.52 (3/8) | 09.52 (3/8) |
| Piping Connections | Gas | mm (inch) | 015.88 (5/8) | 015.88 (5/8) | 015.88 (5/8) |
| | Connections Method | - | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min ~ Max °C | -20 ~ 52 | -20 ~ 52 | -20 ~ 52 |
| | Heating | Min ~ Max °C | -25 ~ 18 | -25 ~ 18 | -25 ~ 18 |

INDOOR **UM36FH N30** **UM42FH N30** **UM48FH N30**

| | | | | |
|-----------------------------|--------------------------------------|----------------|-------------------|-------------------|
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 242 / 159 / 124 | 242 / 159 / 124 |
| Air Flow Rate | H / M / L | m³/min | 40 / 34 / 28 | 40 / 34 / 28 |
| Dimensions | Body | W x H x D | 1,250 x 360 x 700 | 1,250 x 360 x 700 |
| Weight | Body | kg | 44.3 | 44.3 |
| Sound Pressure Level | Cooling | H / M / L | 39 / 38 / 36 | 39 / 38 / 36 |
| Sound Power Level | Cooling | Max | dB(A) | 65 |
| Piping Connections | Drain (Natural Drainage) O.D. / I.D. | mm | Ø25.4 / 19.4 | Ø25.4 / 19.4 |
| | Drain (Using Drain Pump) O.D. / I.D. | mm | Ø32.0 / 26.0 | Ø32.0 / 26.0 |

OUTDOOR **UUID3 U30**

| | | | | |
|--|--------------------------------|----------------|-----------------|-------------------|
| Power Supply | Ø, V, Hz | 3, 380-415, 50 | | |
| Circuit Breaker | Min | A | 20 | |
| Power Supply Cable (Included Earth) | No x mm² | | 5C x 2.5 | |
| Dimensions | Net | W x H x D | mm | 950 x 1,380 x 330 |
| Weight | Net | kg | | 85.0 |
| Compressor | Type | - | Inverter Scroll | |
| | Type | - | R32 | |
| Refrigerant | GWP (Global Warming Potential) | - | 675 | |
| | Precharged Amount | kg | | 3.0 |
| | t-CO₂eq | - | | 2.025 |

CEILING CONCEALED DUCT



STANDARD INVERTER (R32)

LOW STATIC PRESSURE

- CL09F / CL12F / CL18F / CL24F



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Check ongoing validity of certification : www.eurovent-certification.com

UUA1 ULO UUB1 U20 UUC1 U40



| COMBINATION | | 09 | 12 | 18 | 24 |
|--|--------------------------------|------------------------------|--------------------|--------------------|-------------------|
| Capacity | | Cooling Min ~ Rated ~ Max kW | 1.5 / 2.5 / 3.2 | 1.5 / 3.4 / 4.7 | 2.0 / 5.0 / 5.8 |
| | | Heating Min ~ Rated ~ Max kW | 1.8 / 3.2 / 4.0 | 1.8 / 4.0 / 4.9 | 2.3 / 5.8 / 6.7 |
| Power Input (Set) | | Cooling Min ~ Rated ~ Max kW | 0.30 / 0.67 / 0.93 | 0.33 / 1.05 / 1.84 | 0.3 / 1.35 / 1.89 |
| | | Heating Min ~ Rated ~ Max kW | 0.38 / 0.75 / 1.63 | 0.33 / 1.08 / 1.63 | 0.4 / 1.77 / 2.48 |
| Running Current | | Cooling Rated A | 3.0 | 4.7 | 7.5 |
| | | Heating Rated A | 3.3 | 4.8 | 8.3 |
| EER / COP | | kWh/kWh | 3.80 / 4.30 | 3.23 / 3.71 | 3.71 / 3.28 |
| SEER / SCOP | | kWh/kWh | 6.1 / 4.0 | 5.6 / 3.8 | 6.1 / 3.9 |
| Pdesign | | Cooling @ 35°C kW | 2.5 | 3.4 | 5 |
| | | Heating @ -10°C kW | 2.9 | 2.9 | 4.1 |
| Seasonal Energy Label | | Cooling / Heating | - | A++ / A+ | A+ / A |
| Annual Energy Consumption | | Cooling / Heating kWh | 143 / 1,015 | 213 / 1,068 | 287 / 1,472 |
| Dehumidification Rate | | I/h | 0.2 | 0.8 | 1.6 |
| ODU Sound Pressure Level | Cooling / Heating | dB(A) | 49 / 52 | 49 / 52 | 47 / 52 |
| ODU Sound Power Level | Cooling | dB(A) | 65 | 65 | 63 |
| | Liquid | mm (inch) | 06.35 (1/4) | 06.35 (1/4) | 06.35 (1/4) |
| Piping Connections | Gas | mm (inch) | 09.52 (3/8) | 09.52 (3/8) | 012.7 (1/2) |
| | Connections Method | - | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min ~ Max °C | -15 ~ 50 | -15 ~ 50 | -15 ~ 50 |
| | Heating | Min ~ Max °C | -20 ~ 18 | -20 ~ 18 | -20 ~ 18 |
| INDOOR | | CL09F N50 | CL12F N50 | CL18F N60 | CL24F N30 |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 21 / 15 / 13 | 21 / 15 / 13 | 100 / 90 / 80 |
| Air Flow Rate | H / M / L | m³/min | 11.5 / 9.5 / 8 | 11.5 / 9.5 / 8 | 15 / 12 / 10 |
| Dimensions | Body | W x H x D mm | 900 x 190 x 460 | 900 x 190 x 460 | 1,100 x 190 x 460 |
| Weight | Body | kg | 18.0 | 18.0 | 20.9 |
| Sound Pressure Level | Cooling | H / M / L | 35 / 30 / 27 | 35 / 30 / 27 | 34 / 31 / 29 |
| Sound Power Level | Cooling | Max | dB(A) | 55 | 55 |
| Piping Connections | Drain | O.D. / I.D. | mm | Ø32.0 / 26.0 | Ø32.0 / 26.0 |
| OUTDOOR | | UUA1 ULO | UUB1 U20 | UUC1 U40 | |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | |
| Circuit Breaker | Min | A | 15 | 20 | 25 |
| Power Supply Cable (Included Earth) | No x mm² | | 3C x 1.5 | 3C x 2.5 | 3C x 2.5 |
| Dimensions | Net | W x H x D | mm | 770 x 545 x 288 | 870 x 650 x 330 |
| Weight | Net | kg | 33.3 | 44.5 | 57.7 |
| Compressor | Type | - | Twin Rotary | Twin Rotary | Twin Rotary |
| | Type | - | R32 | R32 | R32 |
| Refrigerant | GWP (Global Warming Potential) | - | 675 | 675 | 675 |
| | Precharged Amount | kg | 1.0 | 1.2 | 1.9 |
| | t-CO₂eq | - | 0.675 | 0.81 | 1.283 |
| | Additional Charge (After 7.5m) | g/m | 20 | 20 | 40 |
| Fan | Air Flow Rate | Rated | m³/min x No. | 28 x 1 | 50 x 1 |
| Total Piping Length | Min / Max | m | 5 / 30 | 5 / 30 | 5 / 50 |
| Piping Elevation | IDU - ODU | Max | m | 30 | 30 |

CEILING CONCEALED DUCT



STANDARD INVERTER (R32)

MID STATIC PRESSURE

- CM18F / CM24F / UM30F



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UUB1 U20 UUC1 U40



| COMBINATION | | 18 | 24 | 30 | |
|--|--------------------------------------|--------------------|--------------------|--------------------|--------------|
| Capacity | Cooling Min ~ Rated ~ Max kW | 2.0 / 5.0 / 5.8 | 2.7 / 6.8 / 8.0 | 3.1 / 7.8 / 9.0 | |
| | Heating Min ~ Rated ~ Max kW | 2.3 / 5.8 / 6.7 | 3.0 / 7.5 / 9.0 | 3.6 / 9.0 / 10.1 | |
| Power Input (Set) | Cooling Min ~ Rated ~ Max kW | 0.30 / 1.33 / 1.86 | 0.40 / 1.95 / 2.69 | 0.40 / 2.23 / 3.03 | |
| | Heating Min ~ Rated ~ Max kW | 0.40 / 1.76 / 2.46 | 0.50 / 2.27 / 3.29 | 0.50 / 2.64 / 3.33 | |
| Running Current | Cooling Rated A | 7.4 | 8.7 | 9.9 | |
| | Heating Rated A | 8.3 | 10.1 | 11.7 | |
| EER / COP | kWh/kWh | 3.75 / 3.30 | 3.49 / 3.31 | 3.50 / 3.41 | |
| SEER / SCOP | kWh/kWh | 6.4 / 4.1 | 6.6 / 3.9 | 6.1 / 4.0 | |
| Pdesign | Cooling @ 35°C kW | 5 | 6.8 | 7.8 | |
| | Heating @ -10°C kW | 4.1 | 5.4 | 5.4 | |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A+ | A++ / A+ | |
| Annual Energy Consumption | Cooling / Heating kWh | 273 / 1,400 | 361 / 1,938 | 448 / 1,890 | |
| Dehumidification Rate | I/h | 1.2 | 2.6 | 2.4 | |
| ODU Sound Pressure Level | Cooling / Heating | dB(A) | 47 / 52 | 48 / 52 | |
| ODU Sound Power Level | Cooling | dB(A) | 63 | 65 | |
| | Liquid | mm (inch) | 06.35 (1/4) | 09.52 (3/8) | 09.52 (3/8) |
| Piping Connections | Gas | mm (inch) | 012.7 (1/2) | 015.88 (5/8) | 015.88 (5/8) |
| | Connections Method | - | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min ~ Max °C | -15 ~ 50 | -20 ~ 50 | -20 ~ 50 |
| | Heating | Min ~ Max °C | -20 ~ 18 | -20 ~ 18 | -20 ~ 18 |
| INDOOR | | CM18F N10 | CM24F N10 | UM30F N10 | |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | |
| Power Input (IDU) | H / M / L | W | 150 / 130 / 110 | 180 / 150 / 130 | |
| Air Flow Rate | H / M / L | m³/min | 16.5 / 14.5 / 13 | 18 / 16.5 / 14.5 | |
| Dimensions | Body | W x H x D | mm | 900 x 270 x 700 | |
| Weight | Body | kg | 24.6 | 24.6 | |
| Sound Pressure Level | Cooling | H / M / L | 34 / 32 / 30 | 35 / 34 / 32 | |
| Sound Power Level | Cooling | Max | dB(A) | 59 | |
| Piping Connections | Drain (Natural Drainage) O.D. / I.D. | mm | Ø25.4 / 19.4 | Ø25.4 / 19.4 | |
| | Drain (Using Drain Pump) O.D. / I.D. | mm | Ø32.0 / 26.0 | Ø32.0 / 26.0 | |
| OUTDOOR | | UUB1 U20 | UUC1 U40 | | |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | | 1, 220-240, 50 | |
| Circuit Breaker | Min | A | 20 | 25 | |
| Power Supply Cable (Included Earth) | No x mm² | | 3C x 2.5 | 3C x 2.5 | |
| Dimensions | Net | W x H x D | mm | 870 x 650 x 330 | |
| Weight | Net | kg | 44.5 | 57.7 | |
| Compressor | Type | - | Twin Rotary | Twin Rotary | |
| | Type | - | R32 | R32 | |
| Refrigerant | GWP (Global Warming Potential) | - | 675 | 675 | |
| | Precharged Amount | kg | 1.2 | 1.9 | |
| | t-CO₂eq | - | 0.81 | 1.283 | |
| | Additional Charge (After 7.5m) | g/m | 20 | 40 | |
| Fan | Air Flow Rate | Rated | m³/min x No. | 50 x 1 | |
| Total Piping Length | Min / Max | m | 5 / 30 | 5 / 50 | |
| Piping Elevation | IDU - ODU | Max | m | 30 | |

CEILING CONCEALED DUCT



STANDARD INVERTER (R32)

MID STATIC PRESSURE

- UM36F / UM42F / UM48F / UM60F



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UUID1 U30



| COMBINATION | | | 36 | 42 | 48 | 60 |
|--|---|----------------------|--------------------|--------------------|--------------------|--------------------|
| Capacity | Cooling | Min ~ Rated ~ Max kW | 3.8 / 9.5 / 12.5 | 4.8 / 12.0 / 14.0 | 5.4 / 13.4 / 15.7 | 5.8 / 14.6 / 15.8 |
| | Heating | Min ~ Rated ~ Max kW | 4.3 / 10.8 / 13.4 | 5.4 / 13.5 / 15.8 | 6.2 / 15.5 / 17.5 | 6.7 / 16.8 / 18.1 |
| Power Input (Set) | Cooling | Min ~ Rated ~ Max kW | 0.50 / 2.50 / 3.80 | 0.70 / 3.48 / 4.52 | 0.90 / 4.32 / 5.62 | 1.00 / 4.95 / 5.54 |
| | Heating | Min ~ Rated ~ Max kW | 0.60 / 2.77 / 3.77 | 0.80 / 3.74 / 4.86 | 0.90 / 4.31 / 5.26 | 0.90 / 4.60 / 5.29 |
| Running Current | Cooling | Rated A | 11.1 | 15.3 | 19.0 | 21.6 |
| | Heating | Rated A | 12.6 | 16.4 | 18.4 | 20.4 |
| EER / COP | | kWh/kWh | 3.80 / 3.90 | 3.45 / 3.61 | 3.10 / 3.60 | 2.95 / 3.65 |
| SEER / SCOP | | kWh/kWh | 5.80 / 3.90 | 5.60 / 3.90 | 5.80 / 4.00 | 5.60 / 4.00 |
| Pdesign | Cooling @ 35°C | kW | 9.5 | 12.0 | 13.4 | 14.6 |
| | Heating @ -10°C | kW | 9.5 | 9.5 | 9.5 | 9.5 |
| Seasonal Energy Label | Cooling / Heating | - | A+ / A | A+ / A | - / - | - / - |
| Annual Energy Consumption | Cooling / Heating | kWh | 573 / 3,410 | 750 / 3,410 | 1,386 / 3,325 | 1,564 / 3,325 |
| Dehumidification Rate | | l/h | 2.9 | 4.4 | 4.8 | 4.7 |
| ODU Sound Pressure Level | Cooling / Heating | Rated dB(A) | 50 / 50 | 51 / 52 | 52 / 53 | 54 / 54 |
| ODU Sound Power Level | Cooling | Rated dB(A) | 66 | 69 | 71 | |
| | Liquid | mm (inch) | 09.52 (3/8) | 09.52 (3/8) | 09.52 (3/8) | 09.52 (3/8) |
| Piping Connections | Gas | mm (inch) | 015.88 (5/8) | 015.88 (5/8) | 015.88 (5/8) | 015.88 (5/8) |
| | Connections Method | - | Flared | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min ~ Max °C | -20 ~ 52 | -20 ~ 52 | -20 ~ 52 | -20 ~ 52 |
| | Heating | Min ~ Max °C | -25 ~ 18 | -25 ~ 18 | -25 ~ 18 | -25 ~ 18 |
| INDOOR | | | UM36F N20 | UM42F N20 | UM48F N30 | UM60F N30 |
| Power Supply | | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 183 / 134 / 101 | 266 / 200 / 145 | 242 / 159 / 124 | 342 / 287 / 242 |
| Air Flow Rate | H / M / L | m³/min | 32 / 28 / 24 | 38 / 33 / 28 | 40 / 34 / 28 | 50 / 45 / 40 |
| Dimensions | Body | W x H x D mm | 1,250 x 270 x 700 | 1,250 x 270 x 700 | 1,250 x 360 x 700 | 1,250 x 360 x 700 |
| Weight | Body | kg | 38.5 | 38.5 | 43.5 | 43.5 |
| Sound Pressure Level | Cooling | H / M / L dB(A) | 36 / 34 / 33 | 38 / 36 / 34 | 39 / 38 / 36 | 42 / 40 / 39 |
| Sound Power Level | Cooling | Max dB(A) | 60 | 62 | 65 | 66 |
| Piping Connections | Drain (Natural Drainage) O.D. / I.D. mm | Ø25.4 / 19.4 | Ø25.4 / 19.4 | Ø25.4 / 19.4 | Ø25.4 / 19.4 | Ø25.4 / 19.4 |
| | Drain (Using Drain Pump) O.D. / I.D. mm | Ø32.0 / 26.0 | Ø32.0 / 26.0 | Ø32.0 / 26.0 | Ø32.0 / 26.0 | Ø32.0 / 26.0 |
| OUTDOOR | | | UUID1 U30 | | | |
| Power Supply | | Ø, V, Hz | 1, 220-240, 50 | | | |
| Circuit Breaker | Min | A | 40 | | | |
| Power Supply Cable (Included Earth) | | No x mm³ | 3C x 6.0 | | | |
| Dimensions | Net | W x H x D mm | 950 x 1,380 x 330 | | | |
| Weight | Net | kg | 85 | | | |
| Compressor | Type | - | Inverter Scroll | | | |
| | Type | - | R32 | | | |
| Refrigerant | GWP (Global Warming Potential) | - | 675 | | | |
| | Precharged Amount | kg | 3.0 | | | |
| | t-CO₂eq | - | 2.025 | | | |
| | Additional Charge (After 7.5m) | g/m | 40 | | | |
| Fan | Air Flow Rate | Rated m³/min x No. | 55 x 2 | | | |
| Total Piping Length | Min / Max | m | 5 / 85 | | | |
| Piping Elevation | IDU - ODU | m | 30 | | | |

CEILING CONCEALED DUCT



STANDARD INVERTER (R32)

MID STATIC PRESSURE

- UM 36F / UM42F / UM48F / UM60F



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UUID3 U30



| COMBINATION | | | 36 | 42 | 48 | 60 |
|----------------------------------|---|----------------------|--------------------|--------------------|--------------------|--------------------|
| Capacity | Cooling | Min ~ Rated ~ Max kW | 3.8 / 9.5 / 12.5 | 4.8 / 12.0 / 14.0 | 5.4 / 13.4 / 15.7 | 5.8 / 14.6 / 15.8 |
| | Heating | Min ~ Rated ~ Max kW | 4.3 / 10.8 / 13.4 | 5.4 / 13.5 / 15.8 | 6.2 / 15.5 / 17.5 | 6.7 / 16.8 / 18.1 |
| Power Input (Set) | Cooling | Min ~ Rated ~ Max kW | 0.50 / 2.50 / 3.80 | 0.70 / 3.48 / 4.52 | 0.90 / 4.32 / 5.62 | 1.00 / 4.95 / 5.54 |
| | Heating | Min ~ Rated ~ Max kW | 0.60 / 2.77 / 3.77 | 0.80 / 3.74 / 4.86 | 0.90 / 4.31 / 5.26 | 0.90 / 4.60 / 5.29 |
| Running Current | Cooling | Rated A | 4.0 | 5.5 | 6.8 | 7.7 |
| | Heating | Rated A | 4.5 | 5.9 | 6.5 | 7.2 |
| EER / COP | | kWh/kWh | 3.80 / 3.90 | 3.45 / 3.61 | 3.10 / 3.60 | 2.95 / 3.65 |
| SEER / SCOP | | kWh/kWh | 5.8 / 3.9 | 5.6 / 3.9 | 5.8 / 4.0 | 5.6 / 4.0 |
| Pdesign | Cooling @ 35°C | kW | 9.5 | 12 | 13.4 | 14.6 |
| | Heating @ -10°C | kW | 9.5 | 9.5 | 9.5 | 9.5 |
| Seasonal Energy Label | Cooling / Heating | - | A+ / A | A+ / A | - / - | - / - |
| Annual Energy Consumption | Cooling / Heating | kWh | 573 / 3,410 | 750 / 3,410 | 1,386 / 3,325 | 1,564 / 3,325 |
| Dehumidification Rate | | l/h | 2.9 | 4.4 | 4.8 | 4.7 |
| ODU Sound Pressure Level | Cooling / Heating | Rated dB(A) | 50 / 50 | 51 / 52 | 52 / 53 | 54 / 54 |
| ODU Sound Power Level | Cooling | Rated dB(A) | 66 | 69 | 71 | |
| | Liquid | mm (inch) | 09.52 (3/8) | 09.52 (3/8) | 09.52 (3/8) | 09.52 (3/8) |
| Piping Connections | Gas | mm (inch) | 015.88 (5/8) | 015.88 (5/8) | 015.88 (5/8) | 015.88 (5/8) |
| | Connections Method | - | Flared | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min ~ Max °C | -20 ~ 52 | -20 ~ 52 | -20 ~ 52 | -20 ~ 52 |
| | Heating | Min ~ Max °C | -25 ~ 18 | -25 ~ 18 | -25 ~ 18 | -25 ~ 18 |
| INDOOR | | | UM36F N20 | UM42F N20 | UM48F N30 | UM60F N30 |
| Power Supply | | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 183 / 134 / 101 | 266 / 200 / 145 | 242 / 159 / 124 | 342 / 287 / 242 |
| Air Flow Rate | H / M / L | m³/min | 32 / 28 / 24 | 38 / 33 / 28 | 40 / 34 / 28 | 50 / 45 / 40 |
| Dimensions | Body | W x H x D mm | 1,250 x 270 x 700 | 1,250 x 270 x 700 | 1,250 x 360 x 700 | 1,250 x 360 x 700 |
| Weight | Body | kg | 38.5 | 38.5 | 43.5 | 43.5 |
| Sound Pressure Level | Cooling | H / M / L dB(A) | 36 / 34 / 33 | 38 / 36 / 34 | 39 / 38 / 36 | 42 / 40 / 39 |
| Sound Power Level | Cooling | Max dB(A) | 60 | 62 | 65 | 66 |
| Piping Connections | Drain (Natural Drainage) O.D. / I.D. mm | Ø25.4 / 19.4 | Ø25.4 / 19.4 | Ø25.4 / 19.4 | Ø25.4 / 19.4 | Ø25.4 / 19.4 |
| | Drain (Using Drain Pump) O.D. / I.D. mm | Ø32.0 / 26.0 | Ø32.0 / 26.0 | Ø32.0 / 26.0 | Ø32.0 / 26.0 | Ø32.0 / |

CEILING CONCEALED DUCT



COMPACT INVERTER (R32)

LOW STATIC PRESSURE

- CL18F / CL24F



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

UUA1 ULO UUB1 U20



| COMBINATION | | | 18 | 24 |
|-------------------------------------|--------------------------------|----------------------|--------------------|--------------------|
| Capacity | Cooling | Min ~ Rated ~ Max kW | 1.8 / 4.7 / 5.1 | 2.7 / 6.8 / 7.5 |
| | Heating | Min ~ Rated ~ Max kW | 2.1 / 5.2 / 5.7 | 3.0 / 7.5 / 8.6 |
| Power Input (Set) | Cooling | Min ~ Rated ~ Max kW | 0.34 / 1.62 / 1.99 | 0.40 / 2.12 / 2.54 |
| | Heating | Min ~ Rated ~ Max kW | 0.30 / 1.53 / 1.99 | 0.50 / 2.41 / 3.13 |
| Running Current | Cooling | Rated A | 7.2 | 9.3 |
| | Heating | Rated A | 6.8 | 10.5 |
| EER / COP | | kWh/kWh | 2.90 / 3.40 | 3.21 / 3.11 |
| SEER / SCOP | | kWh/kWh | 5.1 / 3.8 | 6.0 / 4.1 |
| Pdesign | Cooling @ 35°C | kW | 4.7 | 6.8 |
| | Heating @ -10°C | kW | 2.7 | 4.2 |
| Seasonal Energy Label | Cooling / Heating | - | A / A | A+ / A+ |
| Annual Energy Consumption | Cooling / Heating | kWh | 323 / 995 | 397 / 1,434 |
| Dehumidification Rate | | l/h | 1.5 | 2.4 |
| ODU Sound Pressure Level | Cooling / Heating | Rated dB(A) | 49 / 52 | 48 / 53 |
| ODU Sound Power Level | Cooling | Rated dB(A) | 65 | 65 |
| | Liquid | mm (inch) | Ø6.35 (1/4) | Ø9.52 (3/8) |
| Piping Connections | Gas | mm (inch) | Ø12.7 (1/2) | Ø15.88 (5/8) |
| | Connections Method | - | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min ~ Max °C | -10 ~ 50 | -10 ~ 48 |
| | Heating | Min ~ Max °C | -10 ~ 18 | -15 ~ 18 |
| INDOOR | | | CL18F N60 | CL24F N30 |
| Power Supply | | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 100 / 90 / 80 | 150 / 130 / 110 |
| Air Flow Rate | H / M / L | m³/min | 15 / 12 / 10 | 20 / 16 / 12 |
| Dimensions | Body | W x H x D mm | 1,100 x 190 x 460 | 1,100 x 190 x 700 |
| Weight | Body | kg | 20.9 | 26 |
| Sound Pressure Level | Cooling | H / M / L | 34 / 31 / 29 | 39 / 35 / 32 |
| Sound Power Level | Cooling | Max | dB(A) | 56 |
| Piping Connections | Drain | O.D. / I.D. | mm | Ø32.0 / 26.0 |
| OUTDOOR | | | UUA1 ULO | UUB1 U20 |
| Power Supply | | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 |
| Circuit Breaker | Min | A | 15 | 20 |
| Power Supply Cable (Included Earth) | No x mm² | | 3C x 1.5 | 3C x 2.5 |
| Dimensions | Net | W x H x D mm | 770 x 545 x 288 | 870 x 650 x 330 |
| Weight | Net | kg | 33.3 | 44.5 |
| Compressor | Type | - | Twin Rotary | Twin Rotary |
| | Type | - | R32 | R32 |
| Refrigerant | GWP (Global Warming Potential) | - | 675 | 675 |
| | Precharged Amount | kg | 1.0 | 1.2 |
| | t-CO₂eq | - | 0.675 | 0.81 |
| | Additional Charge (After 7.5m) | g/m | 20 | 40 |
| Fan | Air Flow Rate | Rated | m³/min x No. | 28 x 1 |
| Total Piping Length | | Min / Max | m | 5 / 30 |
| Piping Elevation | IDU - ODU | Max | m | 30 |

CEILING CONCEALED DUCT



COMPACT INVERTER (R32)

MID STATIC PRESSURE

- CM18F / CM24F / UM30F / UM36F



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Check ongoing validity of certification : www.eurovent-certification.com

UUA1 ULO UUB1 U20

UUC1 U40

UUC1 U40



| COMBINATION | | | 18 | 24 | 30 | 36 |
|-------------------------------------|--------------------------------|----------------------|--------------------|--------------------|--------------------|--------------------|
| Capacity | Cooling | Min ~ Rated ~ Max kW | 1.8 / 5.0 / 5.6 | 2.7 / 6.8 / 7.5 | 3.0 / 7.5 / 8.3 | 3.8 / 9.5 / 10.5 |
| | Heating | Min ~ Rated ~ Max kW | 2.2 / 5.5 / 6.7 | 3.0 / 7.4 / 8.5 | 3.2 / 8.0 / 8.8 | 4.3 / 10.8 / 11.5 |
| Power Input (Set) | Cooling | Min ~ Rated ~ Max kW | 0.35 / 1.67 / 1.92 | 0.50 / 2.34 / 2.81 | 0.50 / 2.57 / 3.08 | 0.60 / 3.16 / 3.86 |
| | Heating | Min ~ Rated ~ Max kW | 0.32 / 1.58 / 1.77 | 0.40 / 2.17 / 2.82 | 0.50 / 2.25 / 2.93 | 0.60 / 3.03 / 3.48 |
| Running Current | Cooling | Rated A | 7.4 | 10.3 | 11.0 | 14.0 |
| | Heating | Rated A | 7.0 | 9.7 | 9.7 | 13.4 |
| EER / COP | | kWh/kWh | 3.00 / 3.50 | 2.91 / 3.41 | 2.92 / 3.56 | 3.01 / 3.57 |
| SEER / SCOP | | kWh/kWh | 6.1 / 3.8 | 5.8 / 4.1 | 5.6 / 3.9 | 5.9 / 4.0 |
| Pdesign | Cooling @ 35°C | kW | 5 | 6.8 | 7.5 | 9.5 |
| | Heating @ -10°C | kW | 2.8 | 4.1 | 4.3 | 5.5 |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A | A+ / A+ | A+ / A | A+ / A+ |
| Annual Energy Consumption | Cooling / Heating | kWh | 287 / 1,032 | 410 / 1,400 | 469 / 1,544 | 564 / 1,924 |
| Dehumidification Rate | | l/h | 1.2 | 2.5 | 2.6 | 3.2 |
| ODU Sound Pressure Level | Cooling / Heating | Rated dB(A) | 49 / 52 | 48 / 53 | 50 / 54 | 54 / 56 |
| ODU Sound Power Level | Cooling | Rated dB(A) | 65 | 65 | 67 | 70 |
| | Liquid | mm (inch) | Ø6.35 (1/4) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø9.52 (3/8) |
| Piping Connections | Gas | mm (inch) | Ø12.7 (1/2) | Ø15.88 (5/8) | Ø15.88 (5/8) | Ø15.88 (5/8) |
| | Connections Method | - | Flared | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min ~ Max °C | -10 ~ 50 | -10 ~ 48 | -10 ~ 48 | -20 ~ 50 |
| | Heating | Min ~ Max °C | -10 ~ 18 | -15 ~ 18 | -15 ~ 18 | -15 ~ 18 |
| INDOOR | | | CM18F N10 | CM24F N10 | UM30F N10 | UM36F N20 |
| Power Supply | | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 150 / 130 / 110 | 180 / 150 / 130 | 220 / 200 / 180 | 183 / 134 / 101 |
| Air Flow Rate | H / M / L | m³/min | 16.5 / 14.5 / 13 | 18 / 16.5 / 14.5 | 22 / 20 / 18 | 32 / 28 / 24 |
| Dimensions | Body | W x H x D mm | 900 x 270 x 700 | 900 x 270 x 700 | 1,250 x 270 x 700 | 1,250 x 270 x 700 |
| Weight | Body | kg | 24.6 | 24.6 | 26.2 | 38.5 |
| Sound Pressure Level | Cooling | H / M / L | 34 / 32 / 30 | 35 / 34 / 32 | 37 / 35 / 34 | 36 / 34 / 33 |
| Sound Power Level | Cooling | Max | dB(A) | 59 | 60 | 60 |
| Piping Connections | Drain(Natural Drainage) | O.D. / I.D. | mm | Ø25.4 / 19.4 | Ø25.4 / 19.4 | Ø25.4 / 19.4 |
| | Drain(Using Drain Pump) | O.D. / I.D. | mm | Ø32.0 / 26.0 | Ø32.0 / 26.0 | Ø32.0 / 26.0 |
| OUTDOOR | | | UUA1 ULO | UUB1 U20 | UUC1 U40 | |
| Power Supply | | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Circuit Breaker | Min | A | 15 | 20 | 25 | |
| Power Supply Cable (Included Earth) | No x mm² | | 3C x 1.5 | 3C x 2.5 | 3C x 2.5 | |
| Dimensions | Net | W x H x D mm | 770 x 545 x 288 | 870 x 650 x 330 | 950 x 834 x 330 | |
| Weight | Net | kg | 33.3 | 44.5 | 57.7 | |
| Compressor | Type | - | Twin Rotary | Twin Rotary | Twin Rotary | |
| | Type | - | R32 | R32 | R32 | |
| Refrigerant | GWP (Global Warming Potential) | - | 675 | 675 | 675 | |
| | Precharged Amount | kg | 1 | 1.2 | 1.9 | |
| | t-CO₂eq | - | 0.675 | 0.81 | 1.283 | |
| | Additional Charge (After 7.5m) | g/m | 20 | 40 | 40 | |
| Fan | Air Flow Rate | Rated | m³/min x No. | 28 x 1 | 50 x 1 | 58 x 1 |
| Total Piping Length | | Min / Max | m | 5 / 30 | 5 / 35 | 5 / 50 |
| Piping Elevation | IDU - ODU | Max | m | 30 | 30 | 30 |

CEILING CONCEALED DUCT



STANDARD INVERTER (R410A)

HIGH STATIC PRESSURE

- UB70 / UB85



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Check ongoing validity of certification
www.eurovent-certification.com

UU70W



UU85W



| INDOOR | | | UB70 N94 | UB85 N94 |
|-----------------------------|-----------------------|---------------------------|----------------------------|----------------------------|
| Capacity | Cooling | Min / Nom / Max kW | 7.6 / 19.0 / 20.9 | 9.2 / 23.0 / 25.3 |
| | Heating | Min / Nom / Max kW | 9.0 / 22.4 / 24.6 | 10.8 / 27.0 / 29.7 |
| Low Temperature Capacity | Heating -7°C | Max kW | 18.0 | 24.0 |
| Power Input (Set) | Cooling | Nom kW | 6.69 | 8.19 |
| | Heating | Nom kW | 6.4 | 8.31 |
| Power Input (Indoor) | Min / Max (Nom ESP) W | | 550 / 760 | 610 / 920 |
| Running Current | Cooling / Heating | Nom A | 11.5 / 10.7 | 13.5 / 13.6 |
| Power Supply | Ø, V, Hz | | 1, 220-240, 50 | 1, 220-240, 50 |
| EER | | | 2.84 | 2.81 |
| COP | | | 3.50 | 3.25 |
| SEER | | | 4.60 | 4.80 |
| SCOP | | | 3.53 | 3.51 |
| Pdesign (@ -10°C) | | kW | 13.4 | 18.5 |
| Seasonal Energy Label | Cooling / Heating | | - | - |
| Annual Energy Consumption | Cooling / Heating | kWh | - | - |
| | Liquid | mm (inch) | Ø9.52 (3/8) | Ø12.7 (1/2) |
| Piping Connection | Gas | mm (inch) | Ø25.4 (1/1) | Ø22.2 (7/8) |
| Drain | O.D. / I.D. | mm | 32 / 25 | 32 / 25 |
| Air Flow Rate | High / Medium / Low | m³/min | 70.0 / 65.0 / 60.0 | 80.0 / 72.0 / 64.0 |
| Sound Pressure | Cooling | High / Medium / Low dB(A) | 43 / 41 / 40 | 43 / 41 / 40 |
| Sound Power | Cooling | Max dB(A) | 73 | 75 |
| Dehumidification Rate | | I/h | 1.81 (4.2) | 5.14 (11.9) |
| Dimensions | Body | W x H x D mm | 1,563 x 460 x 688 | 1,563 x 460 x 688 |
| Net Weight | Body | kg | 90.0 | 90.0 |
| External Static Pressure | Min / Max | mmAq(Pa) | 6 / 25 (60 / 250) | 6 / 25 (60 / 250) |
| OUTDOOR | | | UU70W U34 | UU85W U74 |
| Compressor | Type | | Hermetically Sealed Scroll | Hermetically Sealed Scroll |
| Airflow Rate | | Nom m³/min | 110 | 190 |
| Sound Pressure | Cooling | Nom dB(A) | 55 | 59 |
| | Heating | Nom dB(A) | 58 | 60 |
| Sound Power | Cooling | Max dB(A) | 75 | 75 |
| Dimensions | W x H x D | mm | 950 x 1,380 x 330 | 1,090 x 1,625 x 380 |
| Net Weight | kg | | 110 | 144.0 |
| | Type | | R410A | R410A |
| Refrigerant | Charge | g | 5,200 | 5,500 |
| | Additional Charge | g/m | 70 | 70 |
| | GWP | - | 2087.5 | 2087.5 |
| | TCO ₂ eq | - | 10.9 | 11.5 |
| Operation Range (Outdoor) | Cooling | Min / Max °C DB | -20 / 48 | -20 / 48 |
| | Heating | Min / Max °C WB | -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 mm² | 5C x 2.5 | 5C x 2.5 | 4C x 1.0 |
| Transmission Cable | No. x mm² | 4C x 1.0 | 4C x 1.0 | 4C x 1.0 |
| Circuit Breaker | A | 30 | 30 | 30 |
| Piping Length Total | Min / Max m | 5 / 75 | 5 / 75 | 30 |
| Piping Elevation Difference | IDU - ODU Max m | 30 | 30 | 30 |
| Piping Connection | Liquid mm (inch) | Ø9.53 (3/8) | Ø12.7 (1.2) | Ø25.4 (1/1) |
| | Gas mm (inch) | Ø25.4 (1/1) | Ø22.2 (7/8) | |

Note :

1. Due to our policy of innovation some specifications may be changed without notification.
2. Performances are based on the following conditions (It is accordance with EN14511)
 - Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R410A)

CEILING SUSPENDED



CEILING SUSPENDED

Differentiated Design

Modern elegance design with V-shape and black vane is appropriate for any commercial space. It received iF Design Award.



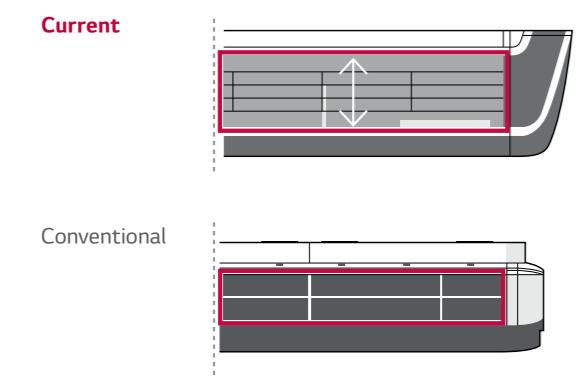
Powerful Cooling & Heating

High ceiling mode provides powerful cooling and heating up to 4.2m in height from floor, 15m away from ceiling.



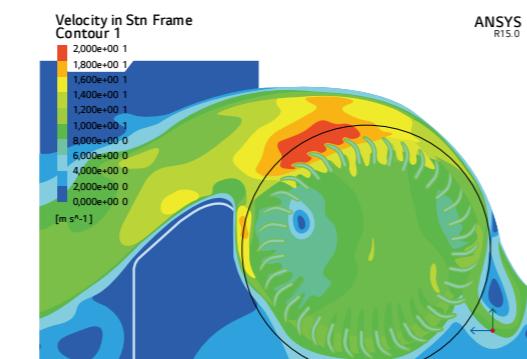
With enlarged outlet space, optimized the Air flow Path and improved Heat Exchanger's performance

- **Outlet Space**



115% ENLARGED

- **Optimized the Air flow Path**



105% IMPROVED

CEILING SUSPENDED

One Touch & 2 Piece Filter

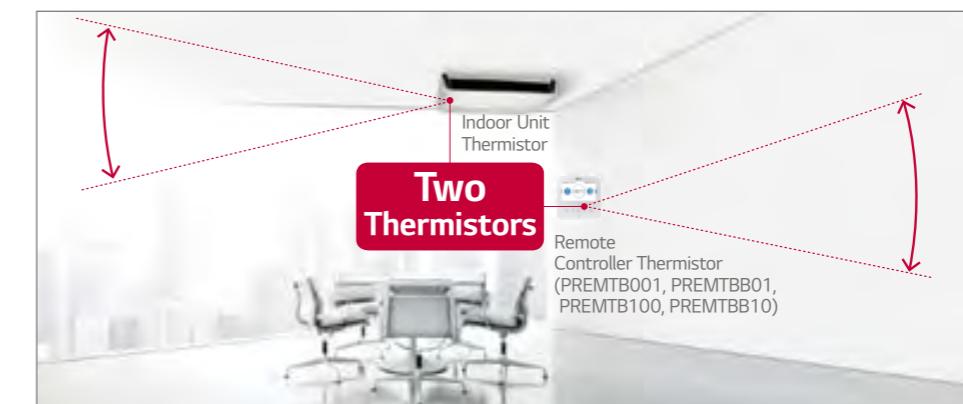
Easy in / out filter structure as well as a simplified two-piece filter, which slides out for easy cleaning and maintenance.



One Touch Filter

Two Thermistors Control

Users can purchase a wired remote controller that includes a second thermistor, allowing for temperature checks from multiple locations.

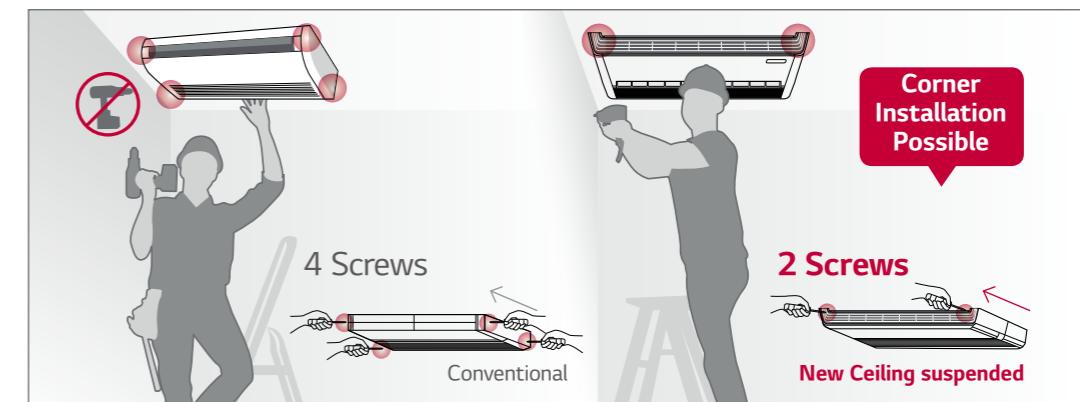


Two Thermistors

Indoor Unit Thermistor
Remote Controller Thermistor (PREMTB001, PREMTBB01, PREMTB100, PREMTBB10)

Easy installation

Installation speed and ease is improved by reducing the total number of screws used and placing the screws on the easily accessible front panel.



4 Screws

Conventional

2 Screws

New Ceiling suspended

CEILING SUSPENDED



H-INVERTER (R32)

UV18FH / UV24FH / UV30FH



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Check ongoing validity of certification : www.eurovent-certification.com

UUB1 U20 UUC1 U40



| COMBINATION | | | 18 | 24 | 30 |
|-------------------------------------|--|----------------------|--------------------|--------------------|--------------------|
| Capacity | Cooling | Min - Rated - Max kW | 2.0 / 5.0 / 6.0 | 2.7 / 6.8 / 8.3 | 3.2 / 8.0 / 9.5 |
| | Heating | Min - Rated - Max kW | 2.3 / 5.8 / 7.0 | 3.0 / 7.5 / 9.4 | 3.6 / 8.9 / 10.6 |
| Power Input (Set) | Cooling | Min - Rated - Max kW | 0.30 / 1.28 / 1.73 | 0.40 / 1.80 / 2.50 | 0.50 / 2.35 / 3.13 |
| | Heating | Min - Rated - Max kW | 0.30 / 1.56 / 2.13 | 0.40 / 1.82 / 2.62 | 0.50 / 2.39 / 3.27 |
| Running Current | Cooling | Rated A | 7.3 | 8 | 10.4 |
| | Heating | Rated A | 8 | 8.1 | 10.6 |
| EER / COP | | kWh/kWh | 3.90 / 3.71 | 3.77 / 4.11 | 3.41 / 3.72 |
| SEER / SCOP | | kWh/kWh | 7.6 / 4.4 | 7.9 / 4.6 | 7.2 / 4.6 |
| Pdesign | Cooling @ 35°C | kW | 5 | 6.8 | 8 |
| | Heating @ -10°C | kW | 4.3 | 5.4 | 5.4 |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A+ | A++ / A++ | A++ / A++ |
| Annual Energy Consumption | Cooling / Heating | kWh | 230 / 1,368 | 301 / 1,644 | 389 / 1,644 |
| Dehumidification Rate | | l/h | 1.9 | 2.0 | 2.8 |
| ODU Sound Pressure Level | Cooling / Heating | dB(A) | 47 / 52 | 48 / 52 | 50 / 52 |
| ODU Sound Power Level | Cooling | dB(A) | 63 | 65 | 68 |
| | Liquid | mm (inch) | 06.35 (1/4) | 09.52 (3/8) | 09.52 (3/8) |
| Piping Connections | Gas | mm (inch) | 012.7 (1/2) | 015.88 (5/8) | 015.88 (5/8) |
| | Connections Method | - | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling Min - Max °C | | -15 - 50 | -20 - 50 | -20 - 50 |
| | Heating Min - Max °C | | -20 - 18 | -20 - 18 | -20 - 18 |
| INDOOR | | | UV18FH N10 | UV24FH N20 | UV30FH N20 |
| Power Supply | Ø, V, Hz | | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 17 / 15 / 13 | 35 / 32 / 27 | 35 / 32 / 27 |
| Air Flow Rate | H / M / L | m³ / min | 12.5 / 11 / 10 | 23 / 21 / 19 | 23 / 21 / 19 |
| Dimensions | Body | W x H x D mm | 1,200 x 235 x 690 | 1,600 x 235 x 690 | 1,600 x 235 x 690 |
| Weight | Body | kg | 28.7 | 37.4 | 37.4 |
| Sound Pressure Level | Cooling H / M / L | dB (A) | 41 / 39 / 38 | 43 / 42 / 40 | 43 / 42 / 40 |
| Sound Power Level | Cooling Max | dB (A) | 55 | 60 | 60 |
| Piping Connections | Drain(Natural Drainage) O.D. / I.D. mm | | 025.0 / 20.5 | 025.0 / 20.5 | 025.0 / 20.5 |
| | Drain(Using Drain Pump) O.D. / I.D. mm | | 032.0 / 26.0 | 032.0 / 26.0 | 032.0 / 26.0 |
| OUTDOOR | | | UUB1 U20 | UUC1 U40 | |
| Power Supply | Ø, V, Hz | | 1, 220-240, 50 | 1, 220-240, 50 | |
| Circuit Breaker | Min | A | 20 | 25 | |
| Power Supply Cable (Included Earth) | No x mm³ | | 3C x 2.5 | 3C x 2.5 | |
| Dimensions | Net | W x H x D mm | 870 x 650 x 330 | 950 x 834 x 330 | |
| Weight | Net | kg | 44.5 | 57.7 | |
| Compressor | Type | - | Twin Rotary | Twin Rotary | |
| | Type | - | R32 | R32 | |
| Refrigerant | GWP (Global Warming Potential) | - | 675 | 675 | |
| | Precharged Amount | kg | 1.2 | 1.9 | |
| | t-CO₂eq | - | 0.81 | 1.283 | |
| | Additional Charge (After 7.5m) | g / m | 20 | 40 | |
| Fan | Air Flow Rate | Rated | m³ / min x No. | 58 x 1 | |
| Total Piping Length | Min / Max | m | 5 / 30 | 5 / 50 | |
| Piping Elevation | IDU - ODU | Max | m | 30 | 30 |

- Note :
1. Due to our policy of innovation some specifications may be changed without notification.
 2. Performances are based on the following conditions (It is accordance with EN14511)
 - Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
 3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
 4. This product contains fluorinated greenhouse gases. (R32)

CEILING SUSPENDED



H-INVERTER (R32)

UV36FH / UV42FH



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

| COMBINATION | | | 36 | 42 |
|-------------------------------------|--|----------------------|-------------------|-------------------|
| Capacity | Cooling | Min - Rated - Max kW | 3.8 - 9.5 - 12.8 | 4.8 - 12.1 - 14.5 |
| | Heating | Min - Rated - Max kW | 4.3 - 10.8 - 13.7 | 5.4 - 13.5 - 16.2 |
| Power Input (Set) | Cooling | Min - Rated - Max kW | 0.5 - 2.50 - 3.75 | 0.7 - 3.64 - 4.91 |
| | Heating | Min - Rated - Max kW | 0.5 - 2.54 - 3.56 | 0.8 - 3.75 - 4.88 |
| Running Current | Cooling | Rated A | 11.1 | 16 |
| | Heating | Rated A | 11.4 | 16.5 |
| EER / COP | | kWh/kWh | 3.80 / 4.25 | 3.32 / 3.60 |
| SEER / SCOP | | kWh/kWh | 6.70 / 4.30 | 6.60 / 4.30 |
| Pdesign | Cooling @ 35°C | kW | 9.5 | 12.1 |
| | Heating @ -10°C | kW | 9.5 | 9.5 |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A+ | - / - |
| Annual Energy Consumption | Cooling / Heating | kWh | 496 / 3,093 | 1,100 / 3,093 |
| Dehumidification Rate | | l/h | 3.6 | 5.52 |
| ODU Sound Pressure Level | Cooling / Heating | Rated dB(A) | 50 / 50 | 51 / 52 |
| ODU Sound Power Level | Cooling | Rated dB(A) | 66 | 69 |
| | Liquid | mm (inch) | 09.52 (3/8) | 09.52 (3/8) |
| Piping Connections | Gas | mm (inch) | 015.88 (5/8) | 015.88 (5/8) |
| | Connections Method | - | Flared | Flared |
| Operation Range (Outdoor) | Cooling Min - Max °C | | -20 - 52 | -20 - 52 |
| | Heating Min - Max °C | | -25 - 18 | -25 - 18 |
| INDOOR | | | UV36FH N20 | UV42FH N20 |
| Power Supply | Ø, V, Hz | | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 59 / 40 / 28 | 59 / 40 / 28 |
| Air Flow Rate | H / M / L | m³/min | 30 / 25 / 20 | 30 / 25 / 20 |
| Dimensions | Body | W x H x D mm | 1,600 x 235 x 690 | 1,600 x 235 x 690 |
| Weight | Body | kg | 37.4 | 37.4 |
| Sound Pressure Level | Cooling H / M / L | dB (A) | 48 / 44 / 40 | 48 / 44 / 40 |
| Sound Power Level | Cooling Max | dB (A) | 62 | 62 |
| Piping Connections | Drain(Natural Drainage) O.D. / I.D. mm | | 025.0 / 20.5 | 025.0 / 20.5 |
| | Drain(Using Drain Pump) O.D. / I.D. mm | | 032.0 / 26.0 | 032.0 / 26.0 |
| OUTDOOR | | | UUD1 U30 | |
| Power Supply | Ø, V, Hz | | 1, 220-240, 50 | |
| Circuit Breaker | Min | A | 40 | |
| Power Supply Cable (Included Earth) | No x mm³ | | 3C x 6.0 | |
| Dimensions | Net | W x H x D mm | 950 x 1,380 x 330 | |
| Weight | Net | kg | 85 | |
| Compressor | Type | - | Inverter Scroll | |
| | Type | - | R32 | |
| Refrigerant | GWP (Global Warming Potential) | - | 675 | |
| | Precharged Amount | kg | 3.0 | |
| | t-CO₂eq | - | 2.025 | |
| | Additional Charge (After 7.5m) | g/m | 40 | |
| Fan | Air Flow Rate | Rated | m³/min x No. | 55 x 2 |
| Total Piping Length | Min / Max | m | | 5 / 85 |
| Piping Elevation | IDU - ODU | Max | m | 30 |

- Note :
1. Due to our policy of innovation some specifications may be changed without notification.
 2. Performances are based on the following conditions (It is accordance with EN14511)
 - Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
 3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
 4. This product contains fluorinated greenhouse gases. (R32)

CEILING SUSPENDED



H-INVERTER (R32)

UV36FH / UV42FH



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UUD3 U30



| COMBINATION | | | 36 | 42 |
|--|-------------------------------------|-------------------|-------------------|--------------------|
| Capacity | Cooling | Min - Rated - Max | kW | 3.8 / 9.5 / 12.8 |
| | Heating | Min - Rated - Max | kW | 4.3 / 10.8 / 13.7 |
| Power Input (Set) | Cooling | Min - Rated - Max | kW | 0.50 / 2.50 / 3.75 |
| | Heating | Min - Rated - Max | kW | 0.50 / 2.54 / 3.56 |
| Running Current | Cooling | Rated | A | 4.0 |
| | Heating | Rated | A | 4.1 |
| EER / COP | | kWh/kWh | | 3.80 / 4.25 |
| SEER / SCOP | | kWh/kWh | | 6.7 / 4.3 |
| Pdesign | Cooling @ 35°C | kW | | 9.5 |
| | Heating @ -10°C | kW | | 9.5 |
| Seasonal Energy Label | Cooling / Heating | - | | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | kWh | | 496 / 3,093 |
| Dehumidification Rate | | I/h | | 3.6 |
| ODU Sound Pressure Level | Cooling / Heating | Rated | dB(A) | 50 / 50 |
| ODU Sound Power Level | Cooling | Rated | dB(A) | 66 |
| | Liquid | mm (inch) | | 09.52 (3/8) |
| Piping Connections | Gas | mm (inch) | | 015.88 (5/8) |
| | Connections Method | - | | Flared |
| Operation Range (Outdoor) | Cooling | Min - Max | °C | -20 - 52 |
| | Heating | Min - Max | °C | -25 - 18 |
| INDOOR | | | UV36FH N20 | UV42FH N20 |
| Power Supply | Ø, V, Hz | | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 59 / 40 / 28 | 59 / 40 / 28 |
| Air Flow Rate | H / M / L | m³/min | 30 / 25 / 20 | 30 / 25 / 20 |
| Dimensions | Body | W x H x D | mm | 1,600 x 235 x 690 |
| Weight | Body | kg | | 37.4 |
| Sound Pressure Level | Cooling | H / M / L | dB (A) | 48 / 44 / 40 |
| Sound Power Level | Cooling | Max | dB (A) | 62 |
| Piping Connections | Drain(Natural Drainage) O.D. / I.D. | mm | | Ø25.0 / 20.5 |
| | Drain(Using Drain Pump) O.D. / I.D. | mm | | Ø32.0 / 26.0 |
| OUTDOOR | | | UUD3 U30 | |
| Power Supply | Ø, V, Hz | | 3, 380-415, 50 | |
| Circuit Breaker | Min | A | | 20 |
| Power Supply Cable (Included Earth) | No x mm² | | | 5C x 2.5 |
| Dimensions | Net | W x H x D | mm | 950 x 1,380 x 330 |
| Weight | Net | kg | | 85 |
| Compressor | Type | - | | Inverter Scroll |
| | Type | - | | R32 |
| Refrigerant | GWP (Global Warming Potential) | - | | 675 |
| | Precharged Amount | kg | | 3.0 |
| | t-CO₂eq | - | | 2.025 |
| | Additional Charge (After 7.5m) | g/m | | 40 |
| Fan | Air Flow Rate | Rated | m³/min x No. | 55 x 2 |
| Total Piping Length | Min / Max | m | | 5 / 85 |
| Piping Elevation | IDU - ODU | Max | m | 30 |

Note :

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

2. Performances are based on the following conditions (It is accordance with EN14511)

- Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB

- Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB

- Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.

3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation

4. This product contains fluorinated greenhouse gases (R32)

CEILING SUSPENDED



STANDARD INVERTER (R32)

UV18F / UV24F / UV30F



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UUB1 U20 UUC1 U40



| COMBINATION | | | 18 | 24 | 30 |
|--|-------------------------------------|-------------------|------------------|--------------------|--------------------|
| Capacity | Cooling | Min - Rated - Max | kW | 2.0 / 5.0 / 5.8 | 2.7 / 6.7 / 8.0 |
| | Heating | Min - Rated - Max | kW | 2.3 / 5.8 / 6.7 | 3.0 / 7.5 / 9.0 |
| Power Input (Set) | Cooling | Min - Rated - Max | kW | 0.30 / 1.33 / 1.86 | 0.40 / 1.99 / 2.69 |
| | Heating | Min - Rated - Max | kW | 0.40 / 1.76 / 2.46 | 0.40 / 2.2 / 3.08 |
| Running Current | Cooling | Rated | A | 7.5 | 8.8 |
| | Heating | Rated | A | 8.3 | 9.8 |
| EER / COP | | kWh/kWh | | 3.75 / 3.29 | 3.37 / 3.41 |
| SEER / SCOP | | kWh/kWh | | 6.6 / 4.3 | 7.2 / 4.2 |
| Pdesign | Cooling @ 35°C | kW | | 5 | 6.7 |
| | Heating @ -10°C | kW | | 4.2 | 4.9 |
| Seasonal Energy Label | Cooling / Heating | - | | A++ / A+ | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | kWh | | 265 / 1,368 | 326 / 1,633 |
| Dehumidification Rate | | I/h | | 1.8 | 2.7 |
| ODU Sound Pressure Level | Cooling / Heating | Rated | dB(A) | 47 / 52 | 48 / 52 |
| ODU Sound Power Level | Cooling | Rated | dB(A) | 63 | 65 |
| | Liquid | mm (inch) | | Ø6.35 (1/4) | Ø9.52 (3/8) |
| Piping Connections | Gas | mm (inch) | | Ø12.7 (1/2) | Ø15.88 (5/8) |
| | Connections Method | - | | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min - Max | °C | -15 - 50 | -20 - 50 |
| | Heating | Min - Max | °C | -20 - 18 | -20 - 18 |
| INDOOR | | | UV18F N10 | UV24F N10 | UV30F N10 |
| Power Supply | Ø, V, Hz | | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 17 / 15 / 13 | 33 / 26 / 19 | 47 / 40 / 33 |
| Air Flow Rate | H / M / L | m³/min | 13 / 12 / 11 | 16 / 15 / 14 | 19 / 17.5 / 16 |
| Dimensions | Body | W x H x D | mm | 1,200 x 235 x 690 | 1,200 x 235 x 690 |
| Weight | Body | kg | | 27.3 | 28 |
| Sound Pressure Level | Cooling | H / M / L | dB(A) | 42 / 40 / 39 | 46 / 45 / 43 |
| Sound Power Level | Cooling | Max | dB(A) | 55 | 61 |
| Piping Connections | Drain(Natural Drainage) O.D. / I.D. | mm | | Ø25.0 / 20.5 | Ø25.0 / 20.5 |
| | Drain(Using Drain Pump) O.D. / I.D. | mm | | Ø32.0 / 26.0 | Ø32.0 / 26.0 |
| OUTDOOR | | | UUB1 U20 | UUC1 U40 | |
| Power Supply | Ø, V, Hz | | 1, 220-240, 50 | 1, 220-240, 50 | |
| Circuit Breaker | Min | A | | 20 | 25 |
| Power Supply Cable (Included Earth) | No x mm² | | | 3C x 2.5 | 3C x 2.5 |
| Dimensions | Net | W x H x D | mm | 870 x 650 x 330 | 950 x 834 x 330 |
| Weight | Net | kg | | 44.5 | 57.7 |
| Compressor | Type | - | | Twin Rotary | Twin Rotary |
| | Type | - | | R32 | R32 |
| Refrigerant | GWP (Global Warming Potential) | - | | 675 | 675 |
| | Precharged Amount | kg | | 1.2 | 1.9 |
| | t-CO₂eq | - | | 0.81 | 1.283 |
| | Additional Charge (After 7.5m) | g/m | | 20 | 40 |
| Fan | Air Flow Rate | Rated | m³/min x No. | 50 x 1 | 58 x 1 |
| Total Piping Length | Min / Max | m | | 5 / 30 | 5 / 50 |
| Piping Elevation | IDU - ODU | Max | m | 30 | 30 |

Note :

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

2. Performances are based on the following conditions (It is accordance with EN14511)

- Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB

- Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB

- Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.

3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation

4. This product contains fluorinated greenhouse gases (R32)

CEILING SUSPENDED UNIT



STANDARD INVERTER (R32)

UV36F / UV42F / UV48F / UV60F



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UUID1 U30



| COMBINATION | | 36 | 42 | 48 | 60 |
|--|-------------------------------------|----------------------|--------------------|--------------------|--------------------|
| Capacity | Cooling | Min - Rated - Max kW | 3.8 - 9.5 - 12.5 | 4.8 - 12.1 - 14.2 | 5.4 - 13.4 - 15.7 |
| | Heating | Min - Rated - Max kW | 4.3 - 10.8 - 13.4 | 5.4 - 13.5 - 15.8 | 6.2 - 15.5 - 17.5 |
| Power Input (Set) | Cooling | Min - Rated - Max kW | 0.50 - 2.65 - 4.03 | 0.80 - 3.90 - 5.07 | 0.90 - 4.50 - 5.85 |
| | Heating | Min - Rated - Max kW | 0.50 - 2.60 - 3.54 | 0.80 - 3.75 - 4.88 | 1.10 - 5.33 - 5.97 |
| Running Current | Cooling | Rated A | 11.7 | 17.0 | 19.7 |
| | Heating | Rated A | 11.4 | 16.5 | 20.6 |
| EER / COP | | kWh/kWh | 3.59 / 4.15 | 3.10 / 3.60 | 2.98 / 3.25 |
| SEER / SCOP | | kWh/kWh | 6.3 / 4.1 | 6.3 / 4.1 | 5.9 / 4.1 |
| Pdesign | Cooling @ 35°C | kW | 9.5 | 12.1 | 13.4 |
| | Heating @ -10°C | kW | 9.5 | 9.5 | 9.5 |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A+ | - / - | - / - |
| Annual Energy Consumption | Cooling / Heating | kWh | 528 / 3,244 | 1,152 / 3,244 | 1,363 / 3,244 |
| Dehumidification Rate | | l/h | 3.6 | 5.5 | 6.3 |
| ODU Sound Pressure Level | Cooling / Heating | dB(A) | 50 / 50 | 51 / 52 | 52 / 53 |
| ODU Sound Power Level | Cooling | dB(A) | 66 | 69 | 71 |
| | Liquid | mm (inch) | 09.52 (3/8) | 09.52 (3/8) | 09.52 (3/8) |
| Piping Connections | Gas | mm (inch) | 015.88 (5/8) | 015.88 (5/8) | 015.88 (5/8) |
| | Connections Method | - | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling Min - Max °C | -20 - 52 | -20 - 52 | -20 - 52 | -20 - 52 |
| | Heating Min - Max °C | -25 - 18 | -25 - 18 | -25 - 18 | -25 - 18 |
| INDOOR | | UV36F N20 | UV42F N20 | UV48F N20 | UV60F N20 |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 50 / 35 / 28 | 50 / 40 / 28 | 59 / 40 / 28 |
| Air Flow Rate | H / M / L | m³/min | 28 / 24 / 20 | 28 / 24 / 20 | 30 / 25 / 20 |
| Dimensions | Body | W x H x D mm | 1,600 x 235 x 690 | 1,600 x 235 x 690 | 1,600 x 235 x 690 |
| Weight | Body | kg | 36.7 | 36.7 | 36.7 |
| Sound Pressure Level | Cooling | H / M / L | 46 / 43 / 40 | 46 / 43 / 40 | 48 / 44 / 40 |
| Sound Power Level | Cooling | Max | dB(A) | 62 | 62 |
| Piping Connections | Drain(Natural Drainage) O.D. / I.D. | mm | 025.0 / 20.5 | 025.0 / 20.5 | 025.0 / 20.5 |
| | Drain(Using Drain Pump) O.D. / I.D. | mm | 032.0 / 26.0 | 032.0 / 26.0 | 032.0 / 26.0 |
| OUTDOOR | | UUID1 U30 | | | |
| Power Supply | Ø, V, Hz | | 1, 220-240, 50 | | |
| Circuit Breaker | Min | A | 40 | | |
| Power Supply Cable (Included Earth) | No x mm² | | 3C x 6.0 | | |
| Dimensions | Net | W x H x D mm | | 950 x 1,380 x 330 | |
| Weight | Net | kg | | 85 | |
| Compressor | Type | - | | Inverter Scroll | |
| | Type | - | | R32 | |
| Refrigerant | GWP (Global Warming Potential) | - | | 675 | |
| | Precharged Amount | kg | | 3.0 | |
| | t-CO₂eq | - | | 2.025 | |
| | Additional Charge (After 7.5m) | g/m | | 40 | |
| Fan | Air Flow Rate | Rated | m³/min x No. | 55 x 2 | |
| Total Piping Length | Min / Max | m | | 5 / 85 | |
| Piping Elevation | IDU - ODU | Max | m | 30 | |

- Note :
1. Due to our policy of innovation some specifications may be changed without notification.
 2. Performances are based on the following conditions (It is accordance with EN14511)
 - Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
 3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation
 4. This product contains fluorinated greenhouse gases (R32)

CEILING SUSPENDED UNIT



STANDARD INVERTER (R32)

UV36F / UV42F / UV48F / UV60F



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| COMBINATION | | 36 | 42 | 48 | 60 |
|--|-------------------------------------|----------------------|--------------------|--------------------|--------------------|
| Capacity | Cooling | Min - Rated - Max kW | 3.8 - 9.5 - 12.5 | 4.8 - 12.1 - 14.2 | 5.4 - 13.4 - 15.7 |
| | Heating | Min - Rated - Max kW | 4.3 - 10.8 - 13.4 | 5.4 - 13.5 - 15.8 | 6.2 - 15.5 - 17.5 |
| Power Input (Set) | Cooling | Min - Rated - Max kW | 0.50 - 2.65 - 4.03 | 0.80 - 3.90 - 5.07 | 0.90 - 4.50 - 5.85 |
| | Heating | Min - Rated - Max kW | 0.50 - 2.60 - 3.54 | 0.80 - 3.75 - 4.88 | 1.10 - 5.33 - 5.97 |
| Running Current | Cooling | Rated A | 11.7 | 17.0 | 19.7 |
| | Heating | Rated A | 11.4 | 16.5 | 20.6 |
| EER / COP | | kWh/kWh | 3.59 / 4.15 | 3.10 / 3.60 | 2.98 / 3.25 |
| SEER / SCOP | | kWh/kWh | 6.3 / 4.1 | 6.3 / 4.1 | 5.9 / 4.1 |
| Pdesign | Cooling @ 35°C | kW | 9.5 | 12.1 | 13.4 |
| | Heating @ -10°C | kW | 9.5 | 9.5 | 9.5 |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A+ | - / - | - / - |
| Annual Energy Consumption | Cooling / Heating | kWh | 528 / 3,244 | 1,152 / 3,244 | 1,363 / 3,244 |
| Dehumidification Rate | | l/h | 3.6 | 5.5 | 6.3 |
| ODU Sound Pressure Level | Cooling / Heating | dB(A) | 50 / 50 | 51 / 52 | 52 / 53 |
| ODU Sound Power Level | Cooling | dB(A) | 66 | 69 | 71 |
| | Liquid | mm (inch) | 09.52 (3/8) | 09.52 (3/8) | 09.52 (3/8) |
| Piping Connections | Gas | mm (inch) | 015.88 (5/8) | 015.88 (5/8) | 015.88 (5/8) |
| | Connections Method | - | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling Min - Max °C | -20 - 52 | -20 - 52 | -20 - 52 | -20 - 52 |
| | Heating Min - Max °C | -25 - 18 | -25 - 18 | -25 - 18 | -25 - 18 |
| INDOOR | | UV36F N20 | UV42F N20 | UV48F N20 | UV60F N20 |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 50 / 35 / 28 | 50 / 40 / 28 | 59 / 40 / 28 |
| Air Flow Rate | H / M / L | m³/min | 28 / 24 / 20 | 28 / 24 / 20 | 30 / 25 / 20 |
| Dimensions | Body | W x H x D mm | 1,600 x 235 x 690 | 1,600 x 235 x 690 | 1,600 x 235 x 690 |
| Weight | Body | kg | 36.7 | 36.7 | 36.7 |
| Sound Pressure Level | Cooling | H / M / L | 46 / 43 / 40 | 46 / 43 / 40 | 48 / 44 / 40 |
| Sound Power Level | Cooling | Max | dB(A) | 62 | 62 |
| Piping Connections | Drain(Natural Drainage) O.D. / I.D. | mm | 025.0 / 20.5 | 025.0 / 20.5 | 025.0 / 20.5 |
| | Drain(Using Drain Pump) O.D. / I.D. | mm | 032.0 / 26.0 | 032.0 / 26.0 | 032.0 / 26.0 |
| OUTDOOR | | UUID1 U30 | | | |
| Power Supply | Ø, V, Hz | | 1, 220-240, 50 | | |
| Circuit Breaker | Min | A | 40 | | |
| Power Supply Cable (Included Earth) | No x mm² | | 3C x 6.0 | | |
| Dimensions | Net | W x H x D mm | | 950 x 1,380 x 330 | |
| Weight | Net | kg | | 85 | |
| Compressor | Type | - | | Inverter Scroll | |
| | Type | - | | R32 | |
| Refrigerant | GWP (Global Warming Potential) | - | | 675 | |
| | Precharged Amount | kg | | 3.0 | |
| | t-CO₂eq | - | | 2.025 | |
| | Additional Charge (After 7.5m) | g/m | | 40 | |
| Fan | Air Flow Rate | Rated | m³/min x No. | 55 x 2 | |
| Total Piping Length | Min / Max | m | | 5 / 85 | |
| Piping Elevation | IDU - ODU | Max | m | 30 | |
| OUTDOOR | | UUID3 U30 | | | |
| Power Supply | Ø, V, Hz | | | 3, 380-415, 50 | |
| Circuit Breaker | Min | A | | 20 | |
| Power Supply Cable (Included Earth) | No x mm² | | | 5C x 2.5 | |
| Dimensions | Net | W x H x D mm | | 950 x 1,380 x 330 | |
| Weight | Net | kg | | 85 | |
| Compressor | Type | - | | Inverter Scroll | |
| | Type | - | | R32 | |
| | | | | | |

CEILING SUSPENDED UNIT



COMPACT INVERTER (R32)

UV18F / UV24F / UV30F / UV36F



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UUA1 ULO UUB1 U20 UUC1 U40

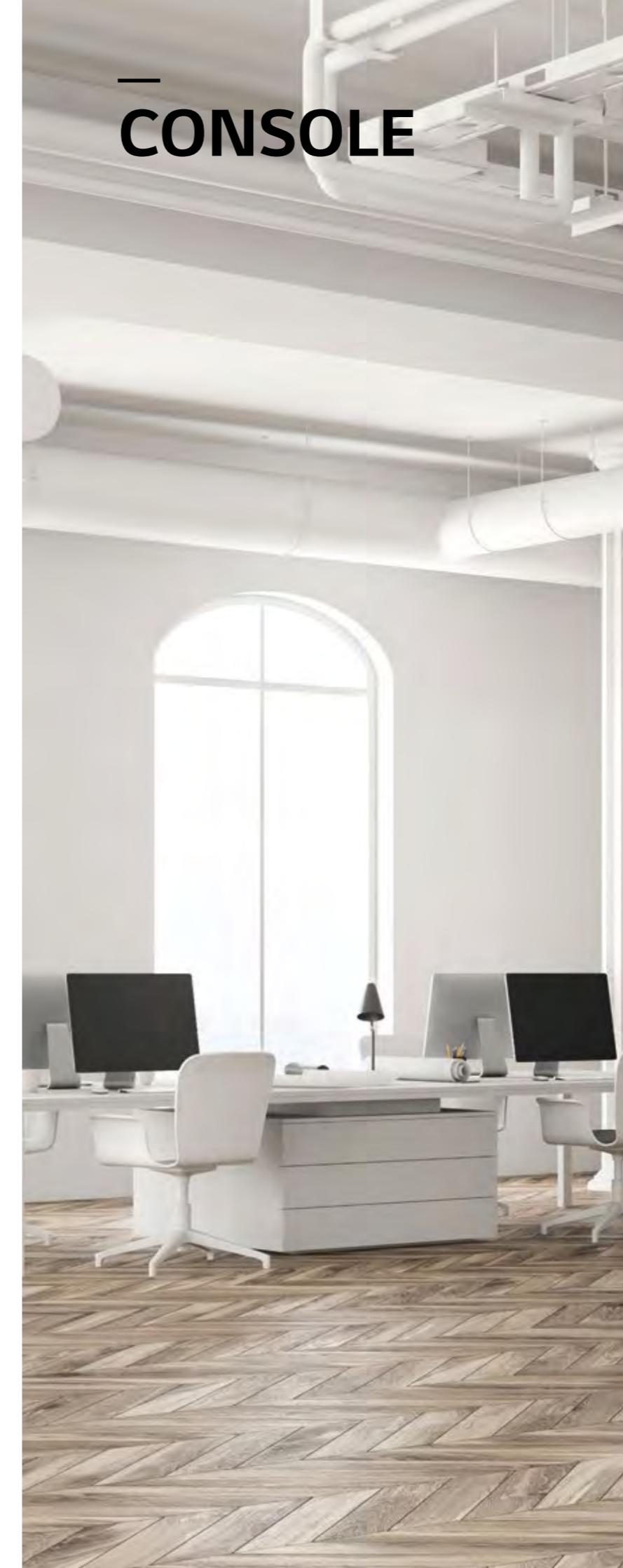


| COMBINATION | | 18 | 24 | 30 | 36 |
|--|--|--------------------|--------------------|--------------------|--------------------|
| Capacity | | | | | |
| Cooling | Min - Rated - Max kW | 1.8 / 5.0 / 5.5 | 2.7 / 6.8 / 7.5 | 3.0 / 7.5 / 8.3 | 3.8 / 9.5 / 10.5 |
| Heating | Min - Rated - Max kW | 2.2 / 5.3 / 5.8 | 2.9 / 7.3 / 8.4 | 3.2 / 8.0 / 8.8 | 4.1 / 10.3 / 11.5 |
| Power Input (Set) | | | | | |
| Cooling | Min - Rated - Max kW | 0.32 / 1.62 / 1.93 | 0.40 / 2.06 / 2.47 | 0.50 / 2.42 / 2.90 | 0.70 / 3.28 / 3.87 |
| Heating | Min - Rated - Max kW | 0.30 / 1.44 / 1.86 | 0.40 / 2.23 / 2.90 | 0.50 / 2.48 / 3.22 | 0.60 / 2.78 / 3.45 |
| Running Current | | | | | |
| Cooling | Rated A | 7.2 | 9.0 | 10.6 | 14.6 |
| Heating | Rated A | 6.4 | 9.7 | 10.8 | 12.3 |
| EER / COP | | | | | |
| | kWh/kWh | 3.10 / 3.70 | 3.30 / 3.28 | 3.10 / 3.23 | 2.90 / 3.70 |
| SEER / SCOP | | | | | |
| | kWh/kWh | 6.6 / 4.6 | 6.6 / 4.2 | 6.6 / 4.3 | 6.1 / 4.2 |
| Pdesign | | | | | |
| Cooling @ 35°C | kW | 5 | 6.8 | 7.5 | 9.5 |
| Heating @ -10°C | kW | 2.9 | 4.3 | 4.4 | 5.5 |
| Seasonal Energy Label | Cooling / Heating | - | A++ / A++ | A++ / A+ | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | kWh | 265 / 883 | 361 / 1,433 | 398 / 1,433 |
| Dehumidification Rate | | | | | |
| ODU Sound Pressure Level | Cooling / Heating Rated | dB(A) | 49 / 52 | 48 / 53 | 50 / 54 |
| ODU Sound Power Level | Cooling Rated | dB(A) | 65 | 65 | 67 |
| | Liquid | mm (inch) | Ø6.35 (1/4) | Ø9.52 (3/8) | Ø9.52 (3/8) |
| Piping Connections | Gas | mm (inch) | Ø12.7 (1/2) | Ø15.88 (5/8) | Ø15.88 (5/8) |
| | Connections Method | - | Flared | Flared | Flared |
| Operation Range (Outdoor) | | | | | |
| Cooling Min - Max °C | -10 - 50 | | -10 - 48 | -10 - 48 | -20 - 50 |
| Heating Min - Max °C | -10 - 18 | | -15 - 18 | -15 - 18 | -15 - 18 |
| INDOOR | | UV18F N10 | UV24F N10 | UV30F N10 | UV36F N20 |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L W | 17 / 15 / 13 | 33 / 26 / 19 | 47 / 40 / 33 | 50 / 35 / 28 |
| Air Flow Rate | H / M / L m³ / min | 13 / 12 / 11 | 16 / 15 / 14 | 19 / 17.5 / 16 | 28 / 24 / 20 |
| Dimensions | Body W x H x D mm | 1,200 x 235 x 690 | 1,200 x 235 x 690 | 1,200 x 235 x 690 | 1,600 x 235 x 690 |
| Weight | Body kg | 27.3 | 28 | 28 | 36.7 |
| Sound Pressure Level | Cooling H / M / L dB(A) | 42 / 40 / 39 | 46 / 45 / 43 | 46 / 44 / 43 | 46 / 43 / 40 |
| Sound Power Level | Cooling Max dB(A) | 55 | 61 | 62 | 62 |
| Piping Connections | Drain(Natural Drainage) O.D. / I.D. mm | Ø25.0 / 20.5 | Ø25.0 / 20.5 | Ø25.0 / 20.5 | Ø25.0 / 20.5 |
| | Drain(Using Drain Pump) O.D. / I.D. mm | Ø32.0 / 26.0 | Ø32.0 / 26.0 | Ø32.0 / 26.0 | Ø32.0 / 26.0 |
| OUTDOOR | | UUA1 ULO | UUB1 U20 | UUC1 U40 | |
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 | |
| Circuit Breaker | Min A | 15 | 20 | 25 | |
| Power Supply Cable (Included Earth) | No x mm³ | 3C x 1.5 | 3C x 2.5 | 3C x 2.5 | |
| Dimensions | Net W x H x D mm | 770 x 545 x 288 | 870 x 650 x 330 | 950 x 834 x 330 | |
| Weight | Net kg | 33.3 | 44.5 | 57.7 | |
| Compressor | Type | Twin Rotary | Twin Rotary | Twin Rotary | |
| | Type | R32 | R32 | R32 | |
| Refrigerant | GWP (Global Warming Potential) | 675 | 675 | 675 | |
| | Precharged Amount kg | 1.0 | 1.2 | 1.9 | |
| | t-CO ₂ eq | 0.675 | 0.81 | 1.283 | |
| | Additional Charge (After 7.5m) g/m | 20 | 40 | 40 | |
| Fan | Air Flow Rate Rated m³/min x No. | 28 x 1 | 50 x 1 | 58 x 1 | |
| Total Piping Length | Min / Max m | 5 / 30 | 5 / 35 | 5 / 50 | |
| Piping Elevation | IDU - ODU Max m | 30 | 30 | 30 | |

Note :

1. Due to our policy of innovation some specifications may be changed without notification.
2. Performances are based on the following conditions (It is accordance with EN14511)
 - Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)

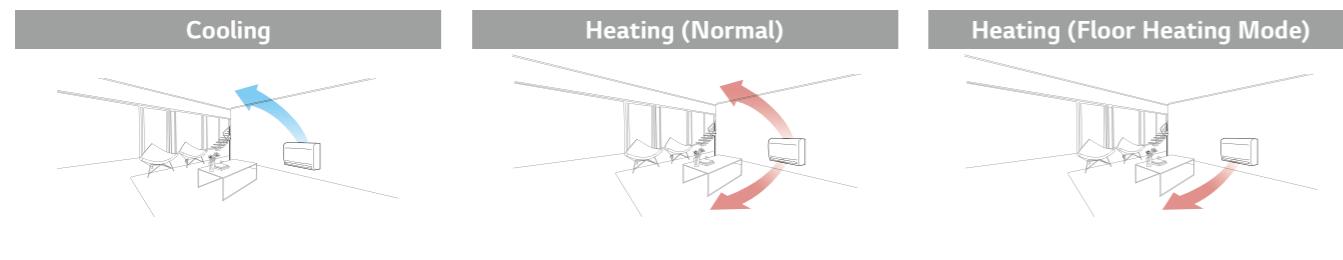
CONSOLE



CONSOLE

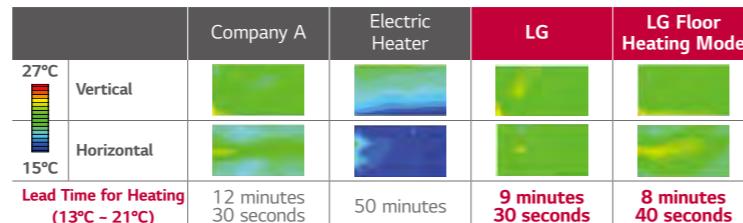
Optimized Air Flow for Cooling & Heating

During cooling operation, the vane adjusts upwards to direct air flow toward the ceiling. During heating operation, the van directs the air flow toward the floor to balance out the room temperature. A wireless controller is included with the indoor console unit.



Quick Floor Heating

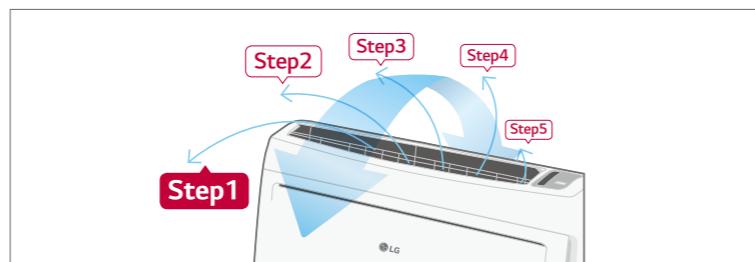
Console air conditioners portray high speed and powerful performance. Using the floor heating mode, console air conditioners provide floor heating at a faster pace in order to reach desired temperature more quickly.



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

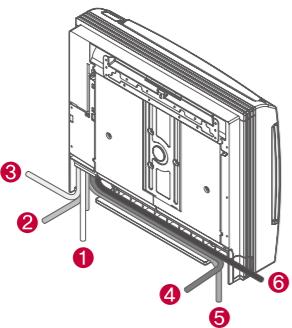
5-Step Vane Control

There are 5 different stages to control air flow direction.

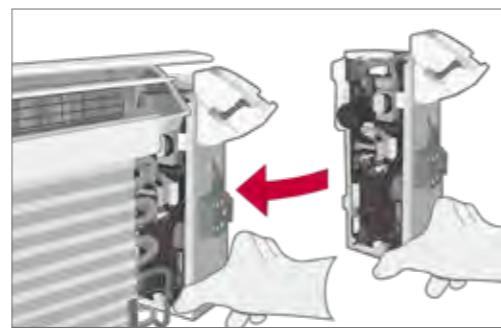


Easy Installation and Service

6 Different Ways to Install Piping



Easy Slide-type PCB



CONSOLE



STANDARD INVERTER (R32)

UQ09F
UQ12F
UQ18F



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Check ongoing validity of certification
www.eurovent-certification.com

UUA1 ULO UUB1 U20



| COMBINATION | 9 | 12 | 18 |
|--|--|--|--|
| Capacity | Cooling Min ~ Rated ~ Max kW 1.5 / 2.6 / 3.4 Heating Min ~ Rated ~ Max kW 1.6 / 3.1 / 3.9 | 1.5 / 3.5 / 4.0 1.6 / 4.0 / 4.3 | 2.0 / 5.0 / 5.8 2.0 / 4.9 / 5.4 |
| Power Input (Set) | Cooling Min ~ Rated ~ Max kW 0.30 / 0.65 / 0.91 Heating Min ~ Rated ~ Max kW 0.30 / 0.74 / 1.08 | 0.30 / 1.00 / 1.46 0.30 / 1.05 / 1.58 | 0.40 / 1.75 / 2.45 0.30 / 1.56 / 2.11 |
| Running Current | Cooling Rated A 2.9 Heating Rated A 3.3 | 4.4 4.7 | 8.3 8.0 |
| EER / COP | | kWh/kWh 4.00 / 4.20 kWh/kWh 6.5 / 4.0 | 3.50 / 3.80 6.4 / 4.0 |
| SEER / SCOP | | kWh/kWh 2.6 kWh/kWh 2.8 | 2.85 / 3.14 5.8 / 3.8 |
| Pdesign | Cooling @ 35°C kW 2.6 Heating @ -10°C kW 2.8 | 3.5 3 | 5 3.8 |
| Seasonal Energy Label | Cooling / Heating - A++ / A+ | A++ / A+ | A+ / A |
| Annual Energy Consumption | Cooling / Heating kWh 140 / 980 | 191 / 1,050 | 302 / 1,396 |
| Dehumidification Rate | I/h 0.7 | 1.3 | 2.4 |
| ODU Sound Pressure Level | Cooling / Heating Rated dB(A) 49 / 52 | 49 / 52 | 47 / 52 |
| ODU Sound Power Level | Cooling Rated dB(A) 65 | 65 | 63 |
| Piping Connections | Liquid mm (inch) 06.35 (1/4) Gas mm (inch) 09.52 (3/8) | 06.35 (1/4) 09.52 (3/8) | 06.35 (1/4) 012.7 (1/2) |
| Connections Method | - Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling Min ~ Max °C -15 ~ 50 Heating Min ~ Max °C -20 ~ 18 | -15 ~ 50 -20 ~ 18 | -15 ~ 50 -20 ~ 18 |
| INDOOR | UQ09F NAO | UQ12F NAO | UQ18F NAO |
| Power Supply | Ø, V, Hz 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L W 37 / 30 / 25 | 37 / 30 / 25 | 44 / 39 / 35 |
| Air Flow Rate | H / M / L m³/min 8.5 / 6.7 / 5.0 | 8.5 / 6.7 / 5.0 | 10.1 / 8.6 / 7.2 |
| Dimensions | Body W x H x D mm 700 x 600 x 210 | 700 x 600 x 210 | 700 x 600 x 210 |
| Weight | Body kg 16.3 | 16.3 | 16.3 |
| Sound Pressure Level | Cooling H / M / L dB(A) 38 / 32 / 27 | 38 / 32 / 27 | 44 / 39 / 35 |
| Sound Power Level | Cooling Max dB(A) 59 | 59 | 60 |
| Piping Connections | Drain O.D. / I.D. mm 016.7 / 12.2 | 016.7 / 12.2 | 016.7 / 12.2 |
| OUTDOOR | UUA1 ULO | UUB1 U20 | |
| Power Supply | Ø, V, Hz 1, 220-240, 50 | 1, 220-240, 50 | 1, 220-240, 50 |
| Circuit Breaker | Min A 15 | 15 | 20 |
| Power Supply Cable (Included Earth) | No x mm³ 3C x 1.5 | 3C x 1.5 | 3C x 2.5 |
| Dimensions | Net W x H x D mm 770 x 545 x 288 | 770 x 545 x 288 | 870 x 650 x 330 |
| Weight | Net kg 33.3 | 33.3 | 44.5 |
| Compressor | Type - Twin Rotary | Twin Rotary | Twin Rotary |
| | Type - R32 | R32 | R32 |
| GWP (Global Warming Potential) | - 675 | 675 | 675 |
| Refrigerant | Precharged Amount kg 1.0 | 1.0 | 1.2 |
| t-CO₂eq | - 0.675 | 0.675 | 0.81 |
| Additional Charge (After 7.5m) | g/m 20 | 20 | 20 |
| Fan | Air Flow Rate Rated m³/min x No. 28 x 1 | 28 x 1 | 50 x 1 |
| Total Piping Length | Min / Max m 5 / 30 | 5 / 30 | 5 / 30 |
| Piping Elevation | IDU - ODU Max 30 | 30 | 30 |

Note :

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 - Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)

FLOOR STANDING



SINGLE SPLIT KEY FEATURES

FLOOR STANDING

Stylish Design

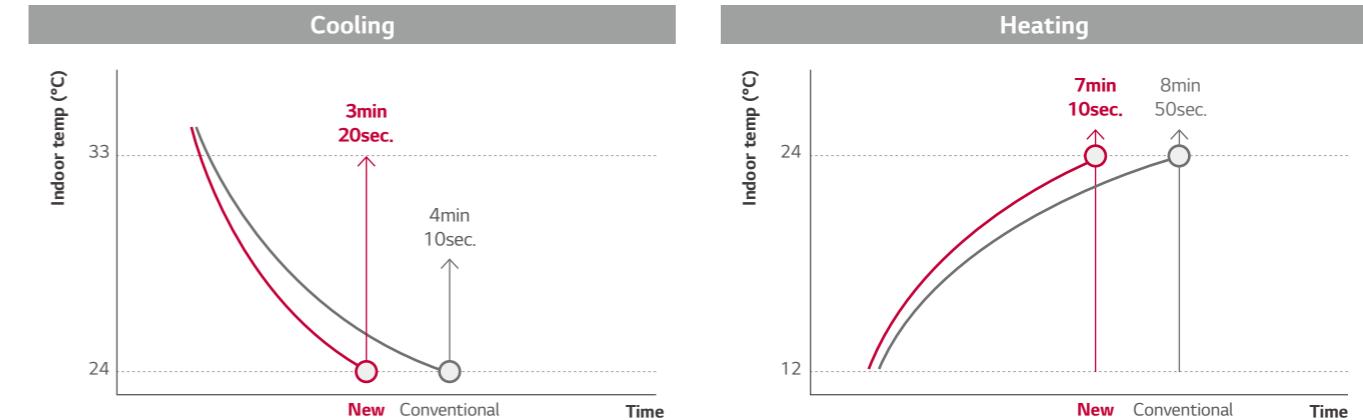
The new LG floor standing air conditioner which is Red Dot design award winner 2013, is ideal for modern interiors in your home or office.



**reddot design award
winner 2013**

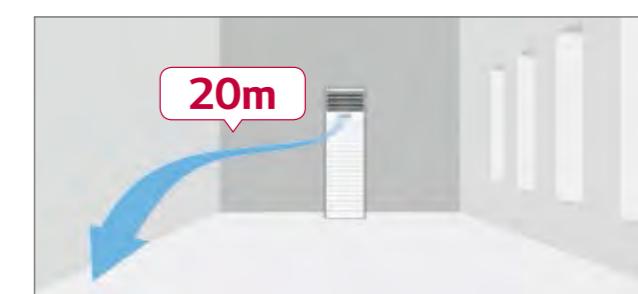
Quick Response

Offering powerful cooling, the commercial air conditioning system can reach a set temperature in a shorter period of time. Meanwhile, the Power Heating function provides the optimal airflow angle, guaranteeing a faster heating performance.



Powerful Air Flow

The new LG floor standing air conditioner is efficient for using in large areas due to its powerful cooling and heating operation. The powerful air speed and volume means the air flow can reach up to 20m away from the air conditioner.



FLOOR STANDING

STANDARD INVERTER (R410A)

UP48 / UP49



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



UU48W U32 UU49W U32



| INDOOR | | | UP48 NT2 | UP49 NT2 |
|----------------------------------|---------------------|-----------------|-------------------|-------------------|
| Capacity | Cooling | Min / Nom / Max | kW | 6.0 / 13.4 / 15.2 |
| | Heating | Min / Nom / Max | kW | 6.0 / 15.5 / 17.1 |
| Low Temperature Capacity | Heating -7°C | Max | kW | 16.0 |
| | Cooling | Nom | kW | 4.2 |
| Power Input (Set) | Heating | Nom | kW | 4.5 |
| Power Input (Indoor) | Nom | W | | 200 |
| Running Current | Cooling / Heating | Nom | A | 18.1 / 19.5 |
| Power Supply | | Ø, V, Hz | | 5.76 / 6.20 |
| EER | | | | 1, 220-240, 50 |
| COP | | | | 3.21 |
| SEER | | | | 3.41 |
| SCOP | | | | 5.05 |
| Pdesign (@ -10°C) | | kW | | 3.51 |
| Seasonal Energy Label | Cooling / Heating | | | 11.5 |
| Annual Energy Consumption | Cooling / Heating | kWh | | 11.5 |
| Liquid | | mm (inch) | | - |
| Piping Connection | Gas | mm (inch) | | Ø9.52 (3/8) |
| Drain | O.D. / I.D. | mm | | Ø15.88 (5/8) |
| Air Flow Rate | High / Medium / Low | m³/min | | 32 / 25 |
| Sound Pressure | High / Medium / Low | dB(A) | | 31 / 27 / 23 |
| Sound Power | Cooling | Max | dB(A) | 52 / 49 / 45 |
| Dehumidification Rate | | l/h | | 65 |
| Dimensions | Body | W x H x D | mm | 590 x 1,840 x 460 |
| Net Weight | Body | kg | | 590 x 1,840 x 460 |
| OUTDOOR | | | UU48W U32 | UU49W U32 |
| Compressor | Type | | Twin Rotary | Twin Rotary |
| Airflow Rate | Nom | m³/min | | 110 |
| Sound Pressure | Cooling | Nom | dB(A) | 52 |
| Heating | Nom | dB(A) | | 54 |
| Sound Power | Cooling | Max | dB(A) | 72 |
| Dimensions | W x H x D | mm | | 68 |
| Net Weight | kg | | 950 x 1,380 x 330 | 950 x 1,380 x 330 |
| Type | | R410A | | R410A |
| Refrigerant | Charge | g | | 3,400 |
| Additional Charge | | g/m | | 40 |
| GWP | - | | 2087.5 | 2087.5 |
| TCO2eq | - | | 7.1 | 7.1 |
| Operation Range (Outdoor) | Cooling | Min / Max | °C DB | -15 / 48 |
| | Heating | Min / Max | °C WB | -18 / 18 |
| Power Supply | Ø, V, Hz | | | -15 / 48 |
| Power Supply Cable | No. x mm² | | 1, 220-240, 50 | -18 / 18 |
| Transmission Cable | | No. x mm² | 3C x 5.0 | 3, 380-415, 50 |
| Circuit Breaker | | | 4C x 0.75 | 5C x 5.0 |
| Piping Length Total | Min / Max | m | | 40 |
| Piping Elevation Difference | IDU - ODU | Max | m | 20 |
| Piping Connection | Liquid | mm (inch) | | 5 / 75 |
| | Gas | mm (inch) | | 30 |
| | | | Ø9.52 (3/8) | 5 / 75 |
| | | | Ø15.88 (5/8) | 30 |
| | | | Ø15.88 (5/8) | |

Note :

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 - Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R410A)

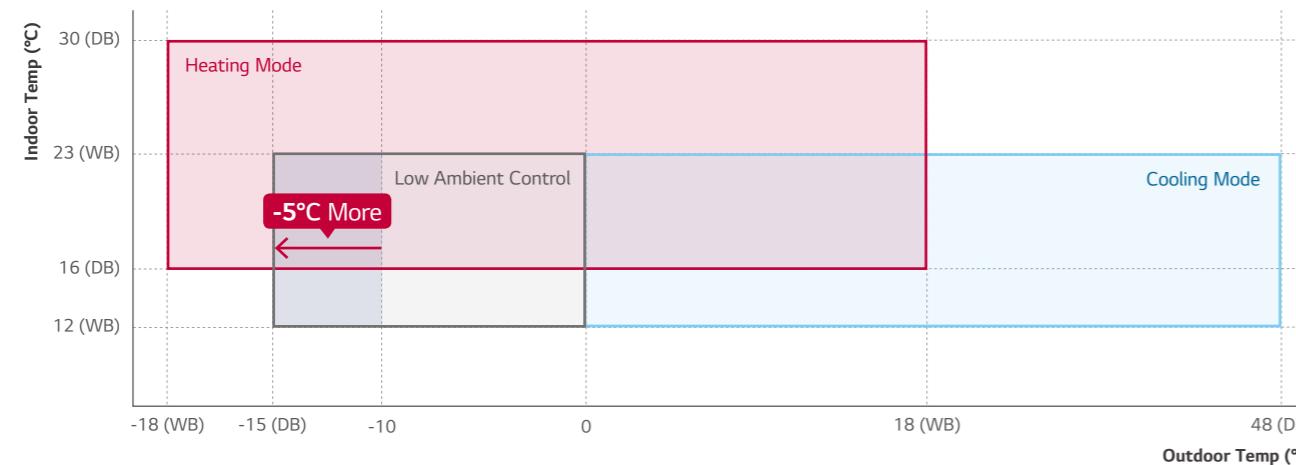
WALL MOUNTED UNIT



WALL MOUNTED

Wide Operational Range

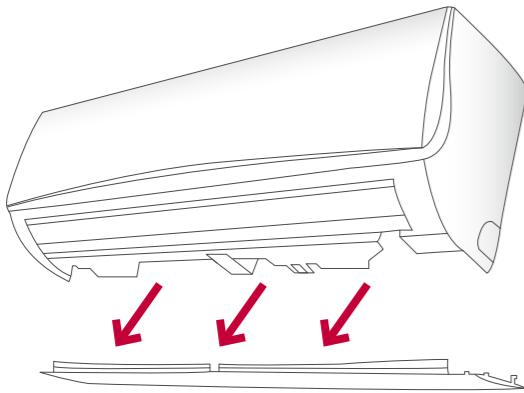
Ideal and comprehensive solution for server rooms, machine rooms and kitchens.



Easy Installation

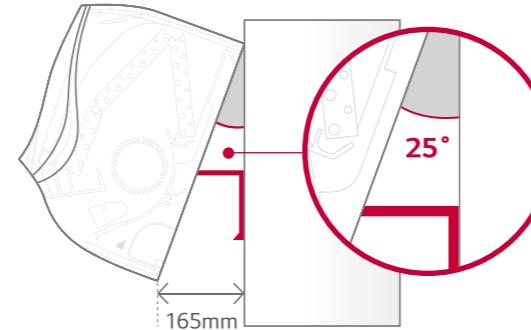
Detachable Bottom Cover

The bottom cover is detachable when needed, making installation easier. Disassembly or additional support of the unit is unnecessary. Installation can be completed by one individual with LG's patented support tool.



Installation Support Clip

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



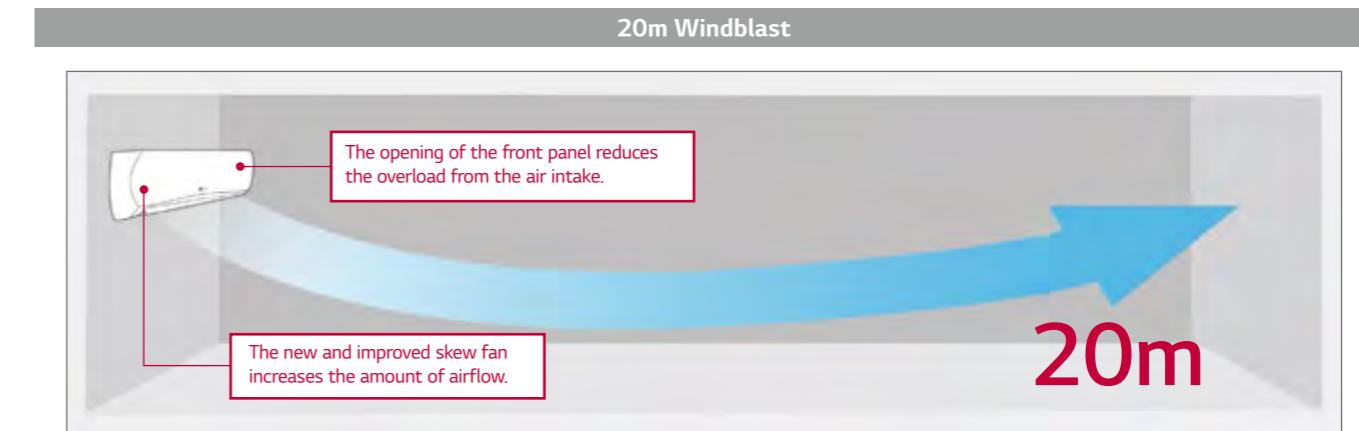
WALL MOUNTED

High Energy Efficiency

New wall mounted units provide good seasonal energy efficiency connected with Standard Inverter outdoor units.

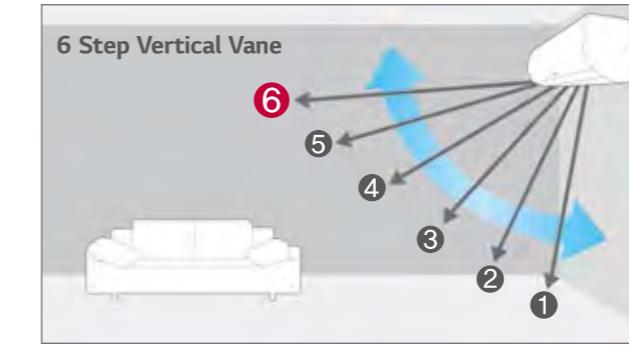
| | 8.0kW | 9.5kW |
|------|-----------|-----------|
| SEER | 7.0 (A++) | 6.1 (A++) |
| SCOP | 4.3 (A+) | 3.85 (A+) |

Powerful Cooling & Heating



Optimized Airflow

Direction of horizontal vane can be adjusted from step 1 to step 6 with full auto swing. This function can cool and heat specific areas much faster.



Quick Cooling & Heating

Jet cooling and heating disperses air evenly at high speed to secure an optimally cooled or heated room in just 3 minutes.



WALL MOUNTED



STANDARD INVERTER (R32)

US30F / US36F



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

UUC1 U40 UUD1 U30 UUD3 U30



| | COMBINATION | | | 30 | 36 | 36 |
|----------------------------------|--------------------|-------------------|-------|--------------------|--------------------|--------------------|
| Capacity | Cooling | Min ~ Rated ~ Max | kW | 3.2 / 8.0 / 9.0 | 3.8 / 9.5 / 12.5 | 3.8 / 9.5 / 12.5 |
| | Heating | Min ~ Rated ~ Max | kW | 3.6 / 9.0 / 10.0 | 4.3 / 10.8 / 13.4 | 4.3 / 10.8 / 13.4 |
| Power Input (Set) | Cooling | Min ~ Rated ~ Max | kW | 0.50 / 2.28 / 3.17 | 0.30 / 2.57 / 3.91 | 0.30 / 2.57 / 3.91 |
| | Heating | Min ~ Rated ~ Max | kW | 0.50 / 2.5 / 3.20 | 0.50 / 2.77 / 3.77 | 0.50 / 2.77 / 3.77 |
| Running Current | Cooling | Rated | A | 10.1 | 11.4 | 4.1 |
| | Heating | Rated | A | 11.1 | 12.2 | 4.4 |
| EER / COP | | kWh/kWh | | 3.51 / 3.60 | 3.70 / 3.90 | 3.70 / 3.90 |
| SEER / SCOP | | kWh/kWh | | 7.0 / 4.3 | 6.10 / 3.85 | 6.10 / 3.85 |
| Pdesign | Cooling @ 35°C | kW | | 8 | 9.5 | 9.5 |
| | Heating @ -10°C | kW | | 5.4 | 8.7 | 8.7 |
| Seasonal Energy Label | Cooling / Heating | - | | A++ / A+ | A++ / A | A++ / A |
| Annual Energy Consumption | Cooling / Heating | kWh | | 400 / 1,758 | 545 / 3,164 | 545 / 3,164 |
| Dehumidification Rate | | l/h | | 2.9 | 3.8 | 3.8 |
| ODU Sound Pressure Level | Cooling / Heating | Rated | dB(A) | 50 / 52 | 50 / 50 | 50 / 50 |
| ODU Sound Power Level | Cooling | Rated | dB(A) | 68 | 66 | 66 |
| | Liquid | mm (inch) | | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø9.52 (3/8) |
| Piping Connections | Gas | mm (inch) | | Ø15.88 (5/8) | Ø15.88 (5/8) | Ø15.88 (5/8) |
| | Connections Method | - | | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min ~ Max | °C | -20 ~ 50 | -20 ~ 52 | -20 ~ 52 |
| | Heating | Min ~ Max | °C | -20 ~ 18 | -25 ~ 18 | -25 ~ 18 |

INDOOR

| | US30F NRO | US36F NRO | US36F NRO |
|-----------------------------|-------------------|----------------|----------------|
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 47 / 42 / 36 |
| Air Flow Rate | H / M / L | m³/min | 21 / 17 / 13 |
| Dimensions | Body | W x H x D | mm |
| Weight | Body | kg | 18.3 |
| Sound Pressure Level | Cooling | H / M / L | dB(A) |
| | Sound Power Level | Cooling | Max |
| Piping Connections | Drain | O.D. / I.D. | mm |

OUTDOOR

| | UUC1 U40 | UUD1 U30 | UUD3 U30 |
|--|--------------------------------|----------------|----------------|
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 |
| Circuit Breaker | Min | A | 25 |
| Power Supply Cable (Included Earth) | No x mm² | 3C x 2.5 | 3C x 6.0 |
| Dimensions | Net | W x H x D | mm |
| Weight | Net | kg | 57.7 |
| Compressor | Type | - | Twin Rotary |
| | Type | - | R32 |
| Refrigerant | GWP (Global Warming Potential) | - | 675 |
| | Precharged Amount | kg | 1.9 |
| | t-CO ₂ eq | - | 1.283 |
| | Additional Charge (After 7.5m) | g/m | 40 |
| Fan | Air Flow Rate | Rated | m³/min x No. |
| | Total Piping Length | Min / Max | m |
| Piping Elevation | IDU - ODU | Max | m |

Note :

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 - Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)

WALL MOUNTED



COMPACT INVERTER (R32)

US30F / US36F



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Check ongoing validity of certification
: www.eurovent-certification.com

UUB1 U20 UUC1 U40



| | COMBINATION | | | 30 | 36 |
|----------------------------------|--------------------|-------------------|-------|--------------------|--------------------|
| Capacity | Cooling | Min ~ Rated ~ Max | kW | 3.0 / 7.5 / 8.3 | 3.8 / 9.5 / 10.6 |
| | Heating | Min ~ Rated ~ Max | kW | 3.1 / 7.7 / 8.5 | 4.3 / 10.8 / 11.5 |
| Power Input (Set) | Cooling | Min ~ Rated ~ Max | kW | 0.50 / 2.31 / 2.77 | 0.60 / 3.06 / 3.67 |
| | Heating | Min ~ Rated ~ Max | kW | 0.40 / 2.14 / 2.78 | 0.60 / 3.0 / 3.72 |
| Running Current | Cooling | Rated | A | 10.1 | 13.6 |
| | Heating | Rated | A | 9.3 | 13.3 |
| EER / COP | | kWh/kWh | | 3.25 / 3.60 | 3.10 / 3.60 |
| SEER / SCOP | | kWh/kWh | | 6.8 / 4.1 | 6.4 / 4.1 |
| Pdesign | Cooling @ 35°C | kW | | 7.5 | 9.5 |
| | Heating @ -10°C | kW | | 4.3 | 5.8 |
| Seasonal Energy Label | Cooling / Heating | - | | A++ / A+ | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | kWh | | 386 / 1,468 | 520 / 1,980 |
| Dehumidification Rate | | l/h | | 3.0 | 3.5 |
| ODU Sound Pressure Level | Cooling / Heating | Rated | dB(A) | 50 / 54 | 54 / 56 |
| ODU Sound Power Level | Cooling | Rated | dB(A) | 67 | 70 |
| | Liquid | mm (inch) | | Ø9.52 (3/8) | Ø9.52 (3/8) |
| Piping Connections | Gas | mm (inch) | | Ø15.88 (5/8) | Ø15.88 (5/8) |
| | Connections Method | - | | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min ~ Max | °C | -10 ~ 48 | -20 ~ 50 |
| | Heating | Min ~ Max | °C | -15 ~ 18 | -15 ~ 18 |

| | INDOOR | US30F NRO | US36F NRO |
|-----------------------------|-------------------|----------------|----------------|
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 |
| Power Input (IDU) | H / M / L | W | 47 / 42 / 36 |
| Air Flow Rate | H / M / L | m³/min | 21 / 17 / 13 |
| Dimensions | Body | W x H x D | mm |
| Weight | Body | kg | 18.3 |
| Sound Pressure Level | Cooling | H / M / L | dB(A) |
| | Sound Power Level | Cooling | Max |
| Piping Connections | Drain | O.D. / I.D. | mm |

| | OUTDOOR | UUB1 U20 | UUC1 U40 |
|--|--------------------------------|----------------|----------------|
| Power Supply | Ø, V, Hz | 1, 220-240, 50 | 1, 220-240, 50 |
| Circuit Breaker | Min | A | 20 |
| Power Supply Cable (Included Earth) | No x mm² | 3C x 2.5 | 3C x 2.5 |
| Dimensions | Net | W x H x D | mm |
| Weight | Net | kg | 44.5 |
| Compressor | Type | - | Twin Rotary |
| | Type | - | R32 |
| Refrigerant | GWP (Global Warming Potential) | - | 675 |
| | Precharged Amount | kg | 1.2 |
| | t-CO ₂ eq | - | 0.81 |
| | Additional Charge (After 7.5m) | g/m | 40 |
| Fan | Air Flow Rate | Rated | m³/min x No. |
| | Total Piping Length | Min / Max | m |
| Piping Elevation | IDU - ODU | Max | m |

Note :

1. Due to our policy of innovation some specifications may be changed without notification.
2. Performances are based on the following conditions (It is accordance with EN14511)
 - Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)

AHU SOLUTION



SINGLE SPLIT KEY FEATURES

AHU COMBINATION

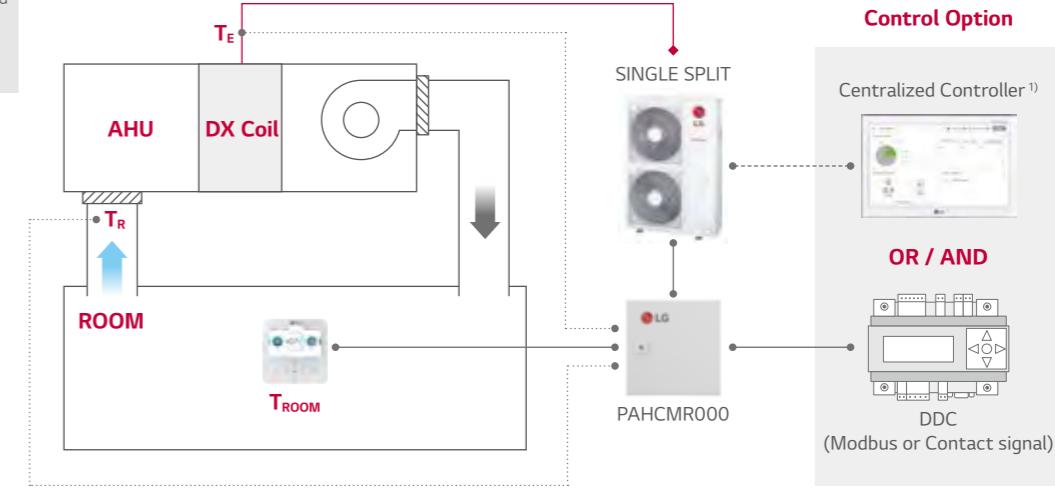
Air Handling Applications

Economically feasible solution for pair application with air handling units.

Return/Room Air Temperature Control

• Temp Sensors
 • Comm. Line
 • Central Comm. Line to ODU
 • Ref. Pipe

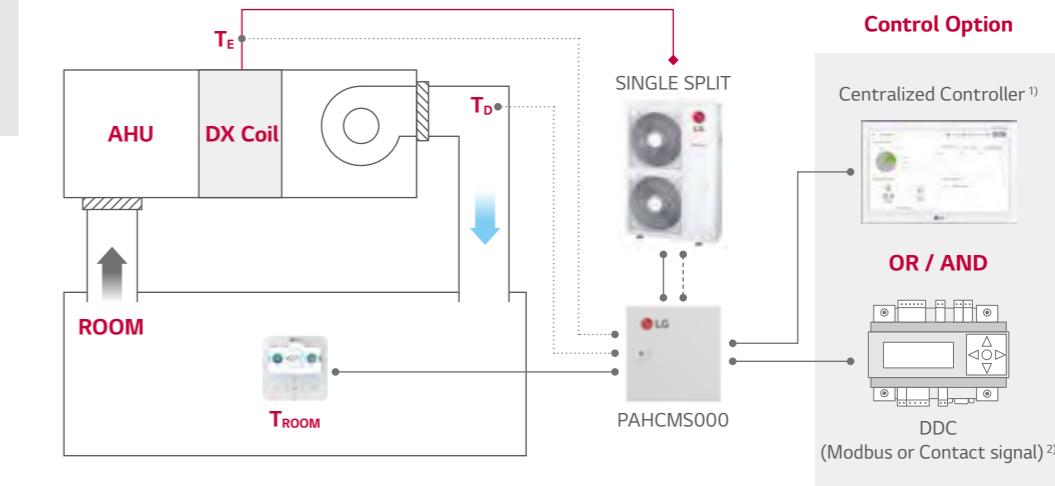
 T_E = Evaporator Temperature (Liquid Pipe / Gas Pipe)
 T_R = Return Air Temperature
 T_{ROOM} = Room Air Temperature



Discharge Air Temperature Control

• Temp Sensors
 • Comm. Line
 • Central Comm. Line to ODU
 • Ref. Pipe

 T_E = Evaporator Temperature (Liquid Pipe / Gas Pipe)
 T_D = Discharge Air Temperature
 T_{ROOM} = Room Air Temperature



¹⁾ PI485(PMNFP14A1) is required for using centralized controller.

²⁾ In case of applying DDC with contact signal, discharge air temperature should be measured and controlled by DDC.

3) For more detail, please refer to the PDB of AHU Communication Kit.

AHU COMBINATION

COMMUNICATION KIT

PAHCMR000
PAHCMS000



Specifications

| MODEL | COMBINATION | | DESCRIPTION | DIMENSIONS (mm) | | |
|-----------|--------------|------------------------|--|-----------------|-----|-----|
| | OUTDOOR UNIT | CENTRALIZED CONTROLLER | | W | H | D |
| PAHCMR000 | Single Split | . | Return / Room air temperature control by DDC or LG individual / centralized controller | 300 | 300 | 155 |
| PAHCMS000 | Single Split | . | Discharge air temperature control by DDC or LG individual / centralized controller | 380 | 300 | 155 |

Function list for Communication kit

| | PAHCMR000 | PAHCMS000 | NOTE |
|---|---------------------|---------------------|---|
| Comm. Kit Operation | On / Off | On / Off | |
| Operation Mode ¹⁾ | Cooling / Heating | Cooling / Heating | |
| Return (room) Air Temperature | 16~30°C | - | |
| Control | - | 16~30°C | Available in case of using DDC with Modbus or LG Control system |
| Discharge Air Temperature ²⁾ | - | - | It may not be possible depending on the particular condition |
| Fan Speed ³⁾ | Low / Middle / High | Low / Middle / High | Available in case of using DDC with contact signal |
| Forced Thermal On / Off | On / Off | - | Available in case of using DDC with Modbus or contact signal |
| Capacity Control | - | - | |
| Comm. Kit Operation | On / Off | On / Off | |
| Operation Mode ¹⁾ | Cooling / Heating | Cooling / Heating | Available in case of using DDC with Modbus or LG Control system |
| Monitor | Low / Middle / High | Low / Middle / High | |
| Fan Speed | - | - | |
| Error Alarm | . | . | |
| Compressor On / Off | On / Off | On / Off | Available in case of using DDC with Modbus or LG individual controller PAHCMR000 doesn't provide this in case of using DDC with contact signal |

1) Available operation mode can be varied depending on the setting of AHU Communication Kit.

2) This range may differ depending on the type of controller.

3) To control and monitor the fan speed, DO ports for the fan speed status have to be connected with the fan unit.

* Some of functions may not be possible depending on the setting of AHU Communication Kit. For more details of condition, please refer to the product data book.

Combination Table

| | R32 | | | | R410A | |
|----------------|----------|-----------|-----------|----------------------|-------------|-----------|
| Model Name | UUA1 U00 | UUB1 U20 | UUC1 U40 | UUD1 U30 UUD3 U30 | UU70W U34 | UU85W U74 |
| Capacity Index | kBtu/h | 9 ~ 18 | 18 ~ 30 | 24 ~ 36 | 36 ~ 60 | 70 |
| Range | kW | 2.5 ~ 5.0 | 5.0 ~ 8.0 | 6.8 ~ 10.0 | 10.0 ~ 14.6 | 20.0 |
| PAHCMR000 | X | 0 | 0 | 0 | 0 | 0 |
| PAHCMS000 | X | 0 | 0 | 0 | 0 | 0 |

ACCESSORIES



LG WI-FI MODEM

Users can control air conditioners using Android or iOS-enabled smartphones.



PWFMD200

Features

- Access LG air conditioner anytime and from anywhere with Wi-Fi equipped device.
- LG's exclusive Home Appliances control app (ThinQ) is available.
- Simple operation for various functions.
 - On / Off
 - Operation Mode
 - Fan Speed
 - Energy Monitoring¹⁾
 - Current / Set Temperature
 - Vane Control²⁾
 - Filter Management
 - Reservation (Sleep, Weekly On / Off)
 - Error check

| MODEL NAME | PWFMD200 |
|--------------------------|---|
| Size (W x H x D, mm) | 48 x 68 x 14 |
| Interfaceable Products | Single Indoor unit ³⁾ |
| Connection Type | Indoor unit 1:1 |
| Communication Frequency | 2.4 GHz |
| Wireless Standards | IEEE 802.11b/g/n |
| Mobile Application | LG ThinQ (Android v4.1(Jellybean) or higher, iPhone iOS 9.0 or higher) |
| Optional Extension Cable | PWYREW000 (10m extension) |

※ Functionality may be different according to each IDU model.

※ User interface of application shall be revised for its design and contents improvement.

※ Application is optimized for smartphone use, so it may not be well functioning with tablet devices.

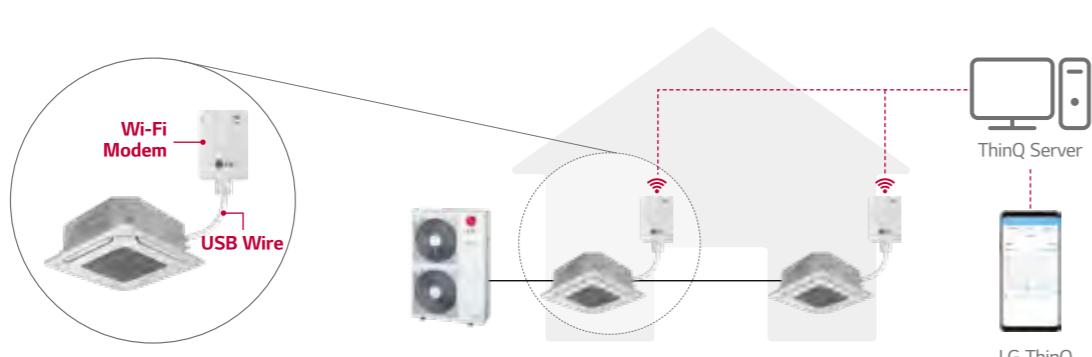
1) LG Centralized controller and PDI installation is required for this function.

2) Vane Control may not be possible according to the type of Indoor unit.

3) For the compatibility with Indoor unit, please contact regional office.



Overview



※ Search "LG ThinQ" on Google market or Appstore then download the app.
※ Internet service with Wi-Fi connection has to be available.

ACCESSORIES

Standard Wired Remote Controller

Standard III



PREMTB100

Standard II



PREMTBB10



PREMTB001

| MODEL NAME | PREMTB100 PREMTBB10 | PREMTB001 PREMTBB01 |
|-------------------------------------|---|------------------------|
| Operation Mode | On / Off, Fan Speed Control, Temperature Setting | |
| Mode Change | Cooling / Heating / Auto / Dehumidification / Fan | |
| Auto Swing / Vane Control | • | • |
| Reservation | Simple / Sleep / On, Off / Weekly / Holiday | |
| Time Display | • | • |
| Electrical Failure Compensation | • | • |
| Child Lock | • | • |
| Operation Status LED | • | • |
| Indoor Temperature Display | • | • |
| Wireless Remote Controller Receiver | - | • |
| Size (W x H x D, mm) | 120 x 120 x 16 | 120 x 121 x 16 |
| Backlight | • | • |

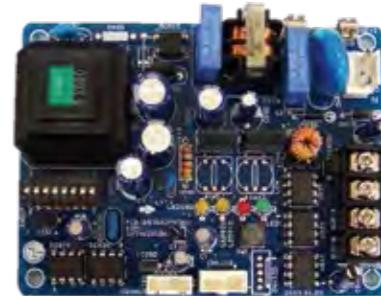
※ Refer to each model PDB for applicable models.

Remote Controller



PQWRHQ0FDB

PI 485



PMNFP14A1

Power : Single phase AC 220V 50/60Hz

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

Model applied : RAC / Multi / Single / Therma V

※ Refer to each product PDB for applicable models.

Dry Contact



PDRYCB000



PDRYCB400



PDRYCB300



PDRYCB500

| MODEL NAME | PDRYCB000 | PDRYCB400 | PDRYCB300/320 ¹⁾ | PDRYCB500 |
|-----------------------------|-----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Contact Point | 1 Control Point | 2 Control Point | 8 Control Point | Modbus RTU |
| Power Input | AC 220V from outside power source | DC 5V & 12V from indoor unit PCB | DC 5V & 12V from indoor unit PCB | DC 5V & 12V from indoor unit PDB |
| Voltage / Non Voltage Input | - | • | • | - |
| On / Off Control | • | • | • | • |
| Lock / Unlock | • | • | • | - |
| Fan Speed Setting | - | - | • | • |
| Thermo Off | - | • | • | - |
| Energy Saving | - | • | - | - |
| Temperature Setting | - | • | • | • |
| Error Monitoring | • | • | • | • |
| Operation Monitoring | • | • | • | • |

※ Refer to each product PDB for applicable models.

1) Available April 2020. Can use a universal input port with PDRYCB320 model.

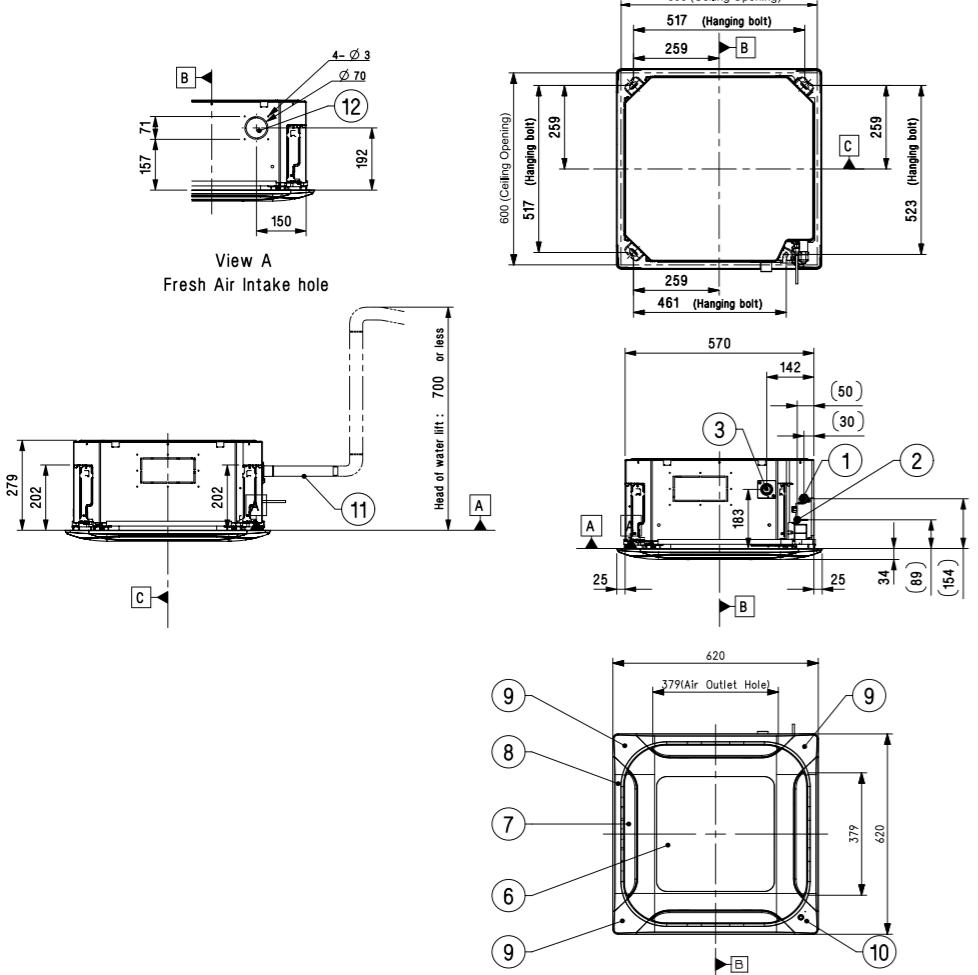
CEILING CASSETTE

H-INVERTER (R32)

UT09FH NQ0 / UT12FH NQ0

(Unit : mm)

| | Part Name |
|----|--|
| 1 | Gas Pipe Connection |
| 2 | Liquid Pipe Connection |
| 3 | Drain Pipe Connection |
| 4 | Power and Communication Cable Routing Hole |
| 5 | Wired Remote Controller Wire Routing Hole |
| 6 | Air Inlet |
| 7 | Air Outlet |
| 8 | Decoration Panel (Accessory) |
| 9 | Decoration Corner Cover |
| 10 | Decoration Coner Display Cover |
| 11 | Flexible Drain Hose |
| 12 | Fresh air Intake Hole |



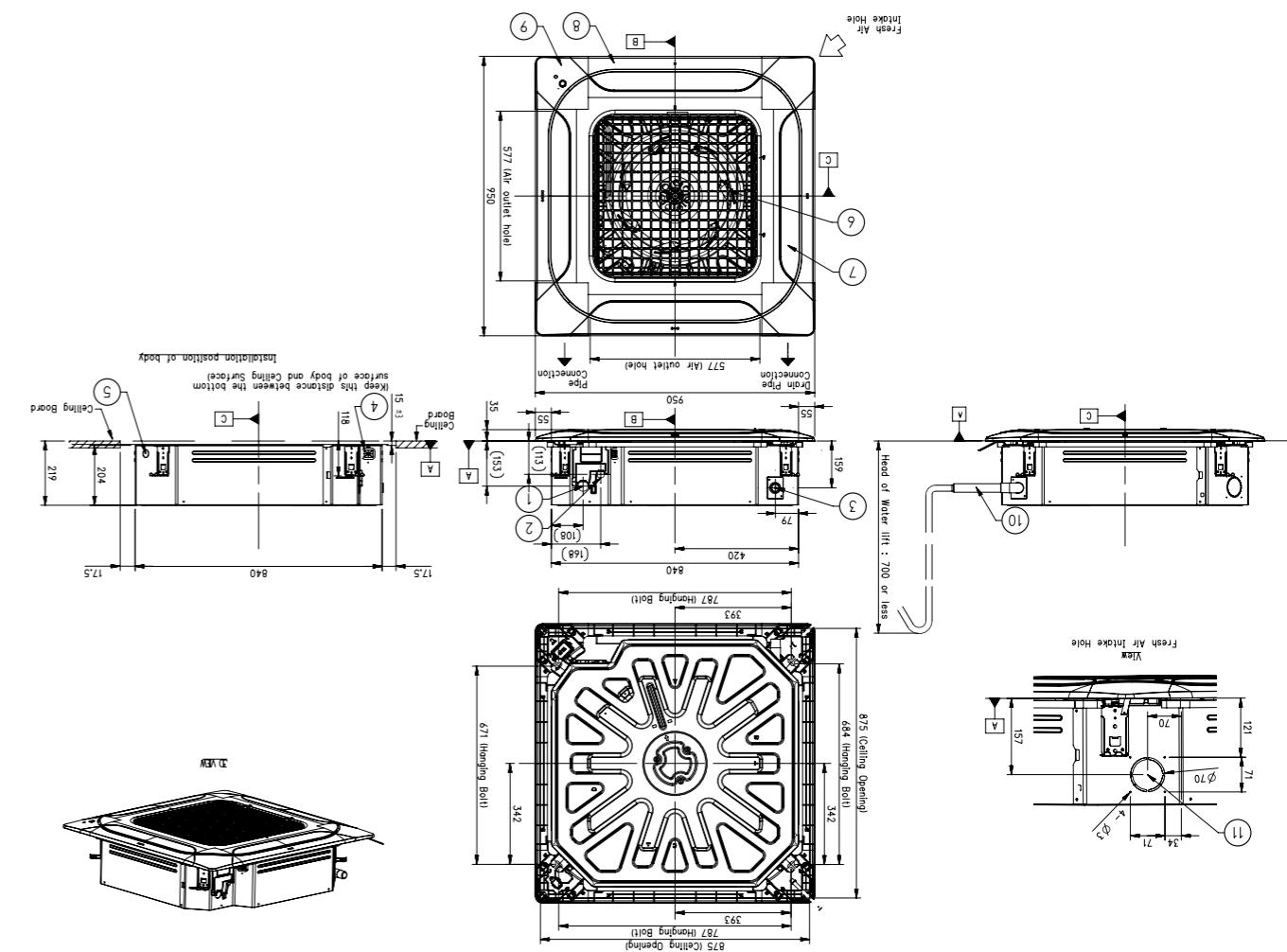
CEILING CASSETTE

H-INVERTER (R32)

UT18FH NBO

(Unit : mm)

| | Part Name |
|----|--|
| 1 | Gas Pipe Connection |
| 2 | Liquid Pipe Connection |
| 3 | Drain Pipe Connection |
| 4 | Power and Communication Cable Routing Hole |
| 5 | Wired Remote Controller Wire Routing Hole |
| 6 | Air Inlet |
| 7 | Air Outlet |
| 8 | Decoration Panel (Accessory) |
| 9 | Decoration Corner Cover |
| 10 | Flexible Drain Hose |
| 11 | Fresh air Intake Hole |



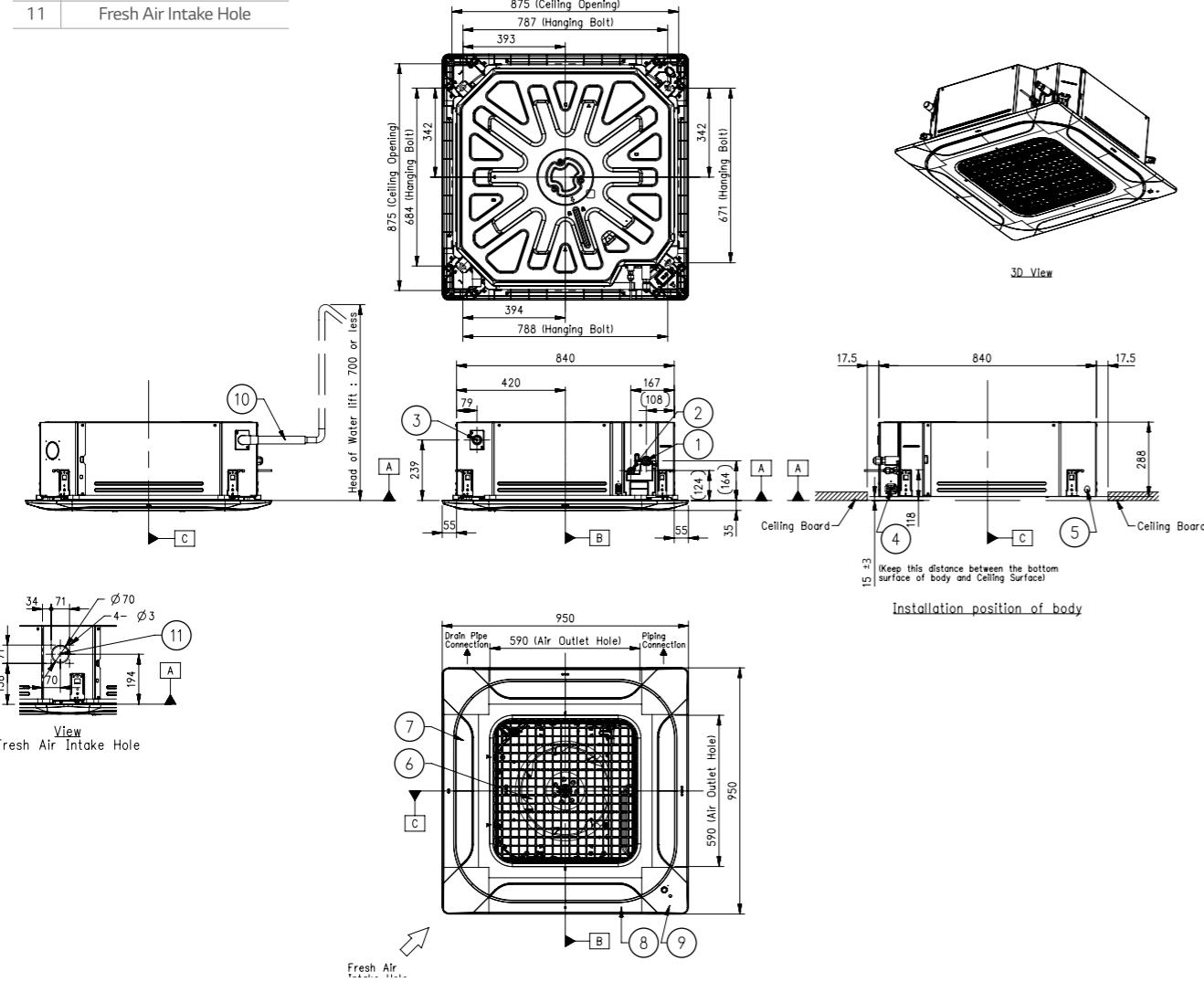
CEILING CASSETTE

H-INVERTER (R32)

**UT24FH NAO / UT30FH NAO / UT36FH NAO / UT42FH NAO
UT48FH NAO / UT60FH NAO**

(Unit : mm)

| Part Name | |
|-----------|--|
| 1 | Gas Pipe Connection |
| 2 | Liquid Pipe Connection |
| 3 | Drain Pipe Connection |
| 4 | Power and Communication Cable Routing hole |
| 5 | Wired Remote Controller Wire Routing Hole |
| 6 | Air Inlet |
| 7 | Air Outlet |
| 8 | Decoration Panel (Accessory) |
| 9 | Decoration Corner Cover |
| 10 | Flexible Drain Hose |
| 11 | Fresh Air Intake Hole |



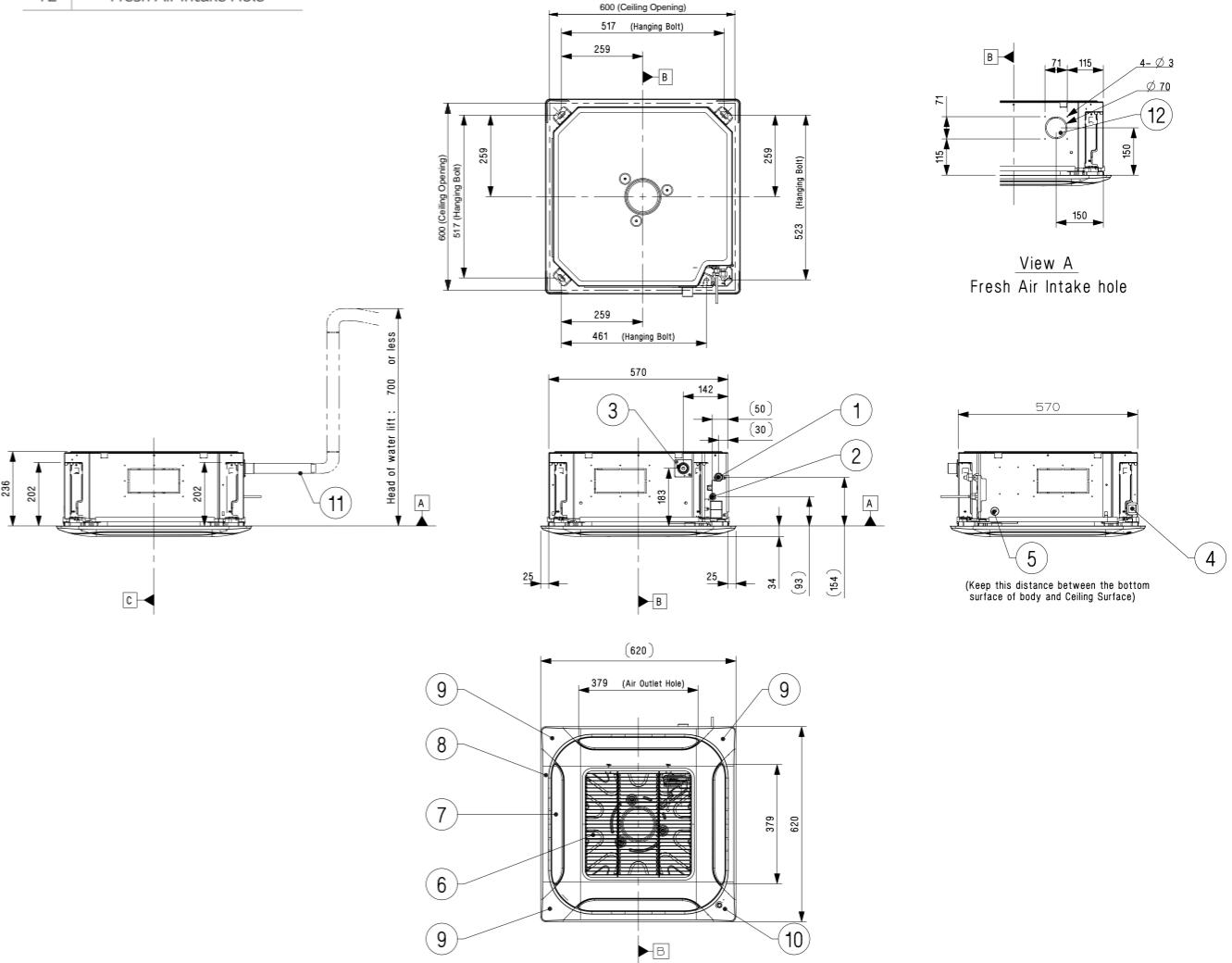
CEILING CASSETTE

STANDARD INVERTER (R32)

CT09F NRO / CT12F NRO

(Unit : mm)

| | Part Name |
|----|--|
| 1 | Gas Pipe Connection |
| 2 | Liquid Pipe Connection |
| 3 | Drain Pipe Connection |
| 4 | Power and Communication Cable Routing Hole |
| 5 | Wired Remote Controller Wire Routing Hole |
| 6 | Air Inlet |
| 7 | Air Outlet |
| 8 | Decoration Panel (Accessory) |
| 9 | Decoration Corner Cover |
| 10 | Decoration Corner Display Cover |
| 11 | Flexible Drain Hose |
| 12 | Fresh Air Intake Hole |



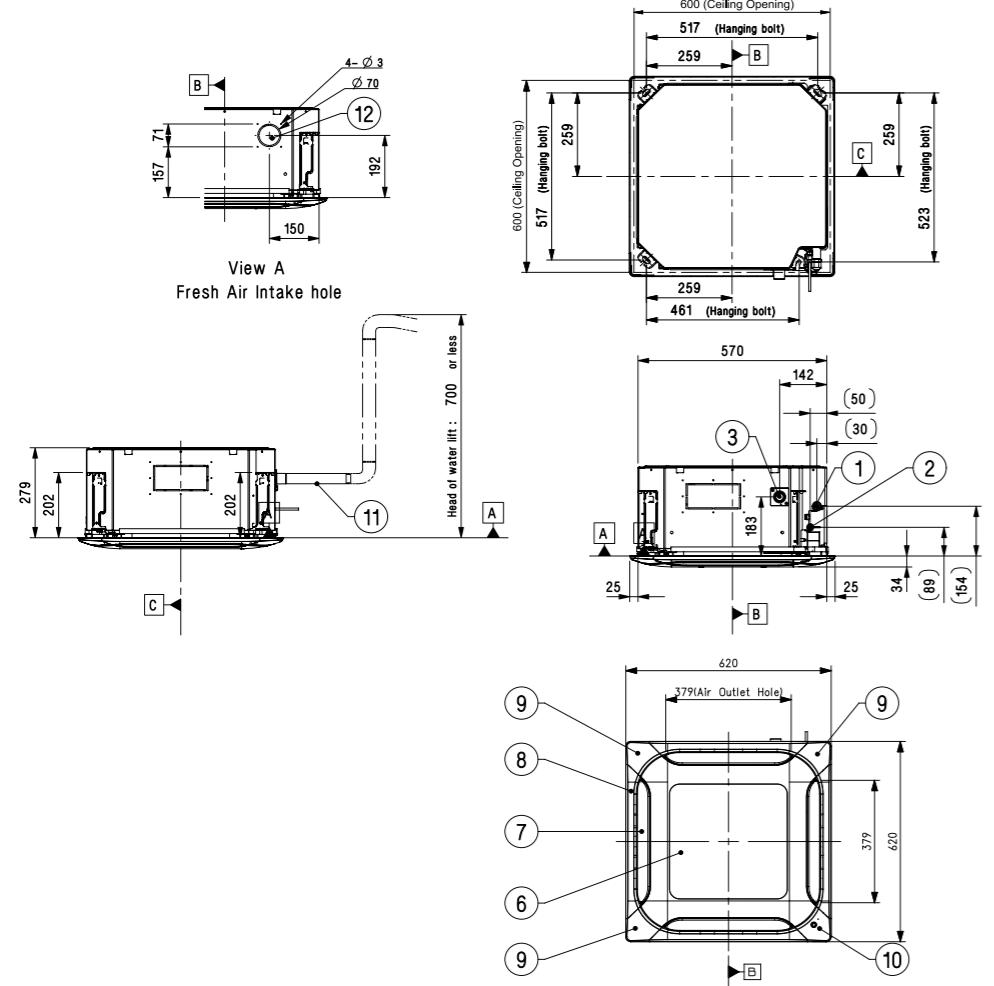
CEILING CASSETTE

STANDARD / COMPACT INVERTER (R32)

CT18F NQ0

(Unit : mm)

| | Part Name |
|----|--|
| 1 | Gas Pipe Connection |
| 2 | Liquid Pipe Connection |
| 3 | Drain Pipe Connection |
| 4 | Power and Communication cable routing hole |
| 5 | Wired Remote Controller Wire Routing Hole |
| 6 | Air Inlet |
| 7 | Air Outlet |
| 8 | Decoration Panel (Accessory) |
| 9 | Decoration Corner Cover |
| 10 | Decoration Coner Display Cover |
| 11 | Flexible Drain Hose |
| 12 | Fresh Air Intake Hole |



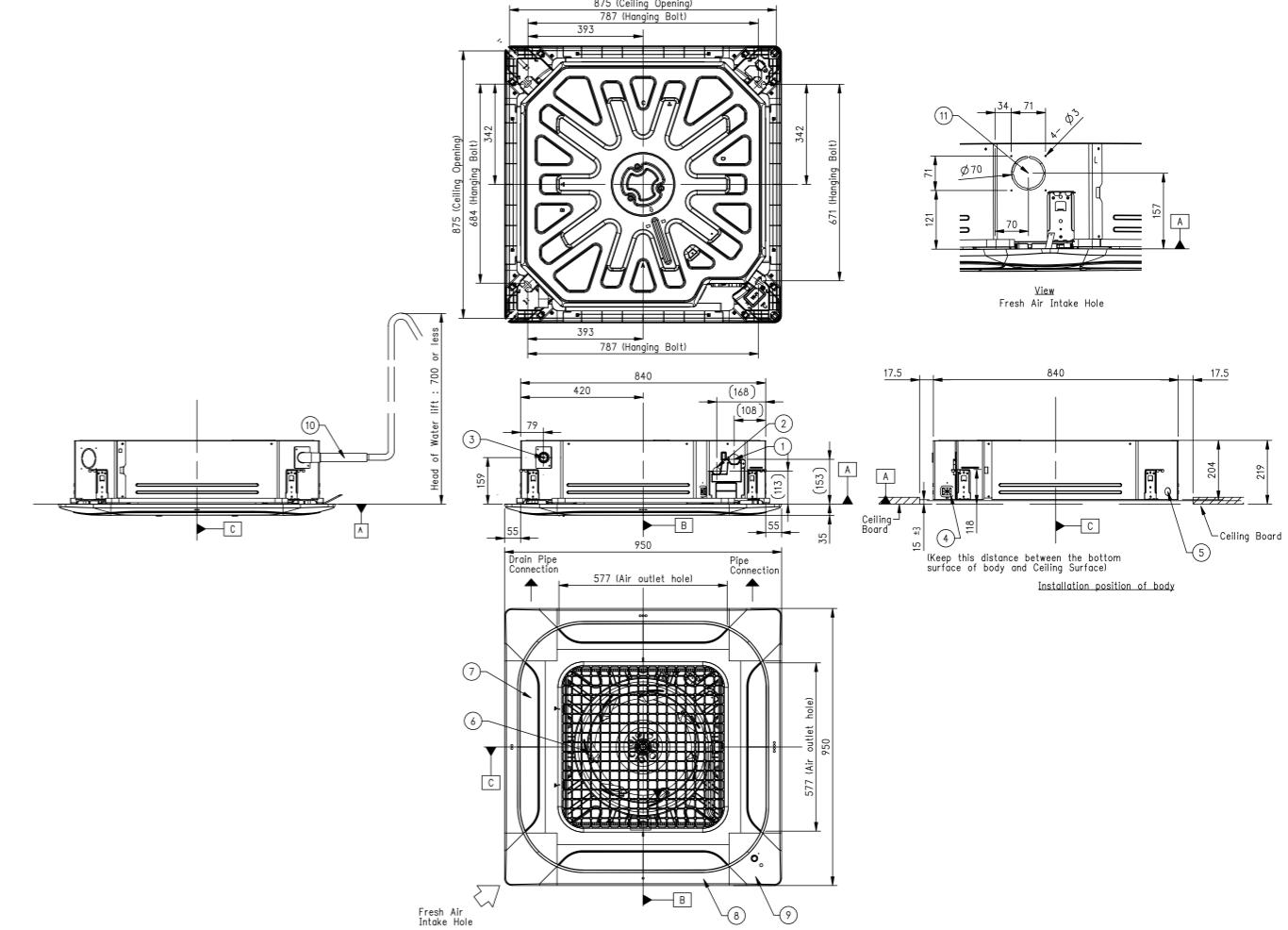
CEILING CASSETTE

STANDARD / COMPACT INVERTER (R32)

CT24F NBO / UT30F NBO

(Unit : mm)

| | Part Name |
|----|--|
| 1 | Gas Pipe Connection |
| 2 | Liquid Pipe Connection |
| 3 | Drain Pipe Connection |
| 4 | Power and Communication Cable Routing Hole |
| 5 | Wired Remote Controller Wire Routing Hole |
| 6 | Air Inlet |
| 7 | Air Outlet |
| 8 | Decoration Panel (Accessory) |
| 9 | Decoration Corner Cover |
| 10 | Flexible Drain Hose |
| 11 | Fresh Air Intake Hole |



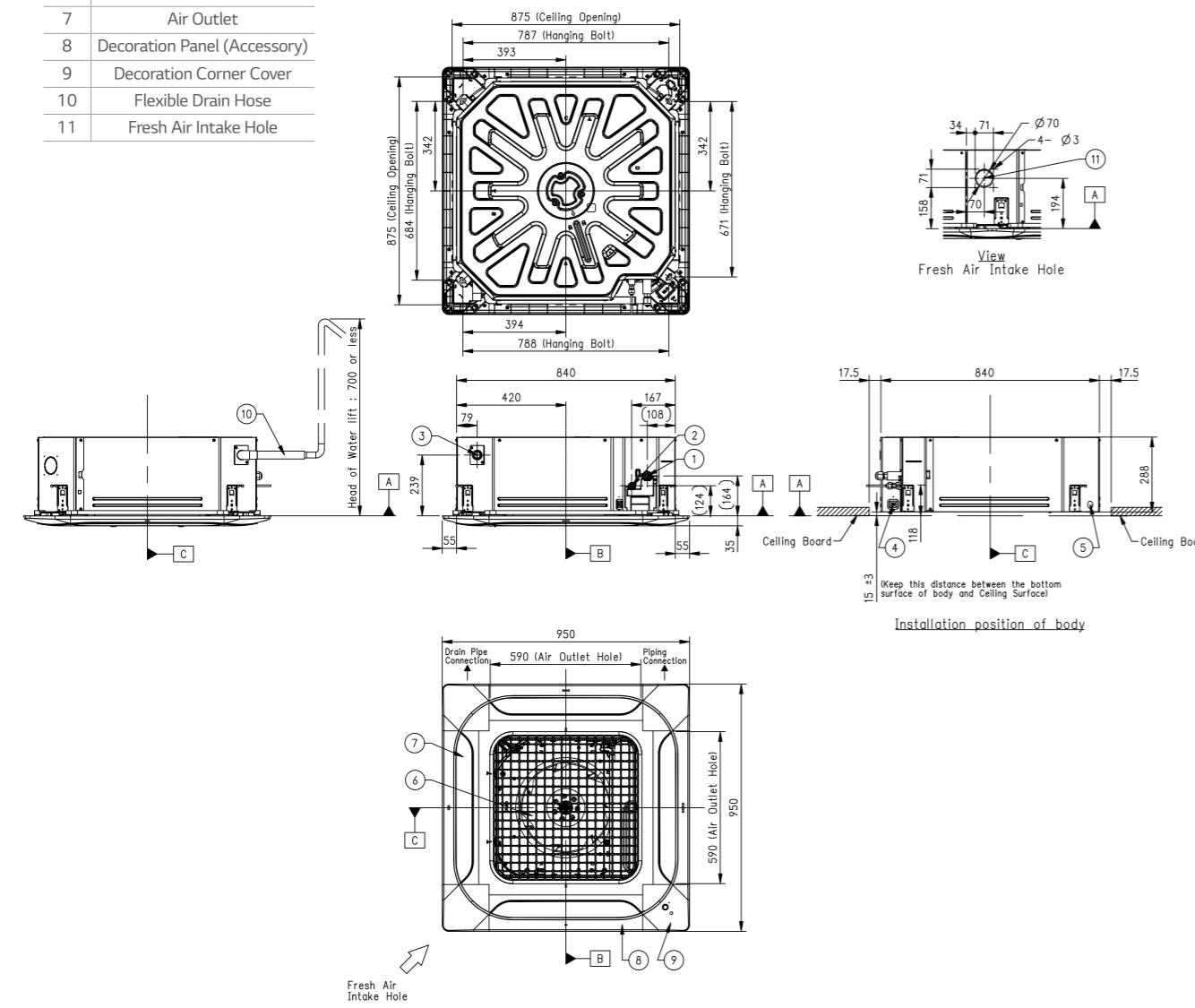
CEILING CASSETTE

STANDARD / COMPACT INVERTER (R32)

UT36F NAO

(Unit : mm)

| | Part Name |
|----|--|
| 1 | Gas Pipe Connection |
| 2 | Liquid Pipe Connection |
| 3 | Drain Pipe Connection |
| 4 | Power and Communication Cable Routing Hole |
| 5 | Wired Remote Controller Wire Routing Hole |
| 6 | Air Inlet |
| 7 | Air Outlet |
| 8 | Decoration Panel (Accessory) |
| 9 | Decoration Corner Cover |
| 10 | Flexible Drain Hose |
| 11 | Fresh Air Intake Hole |



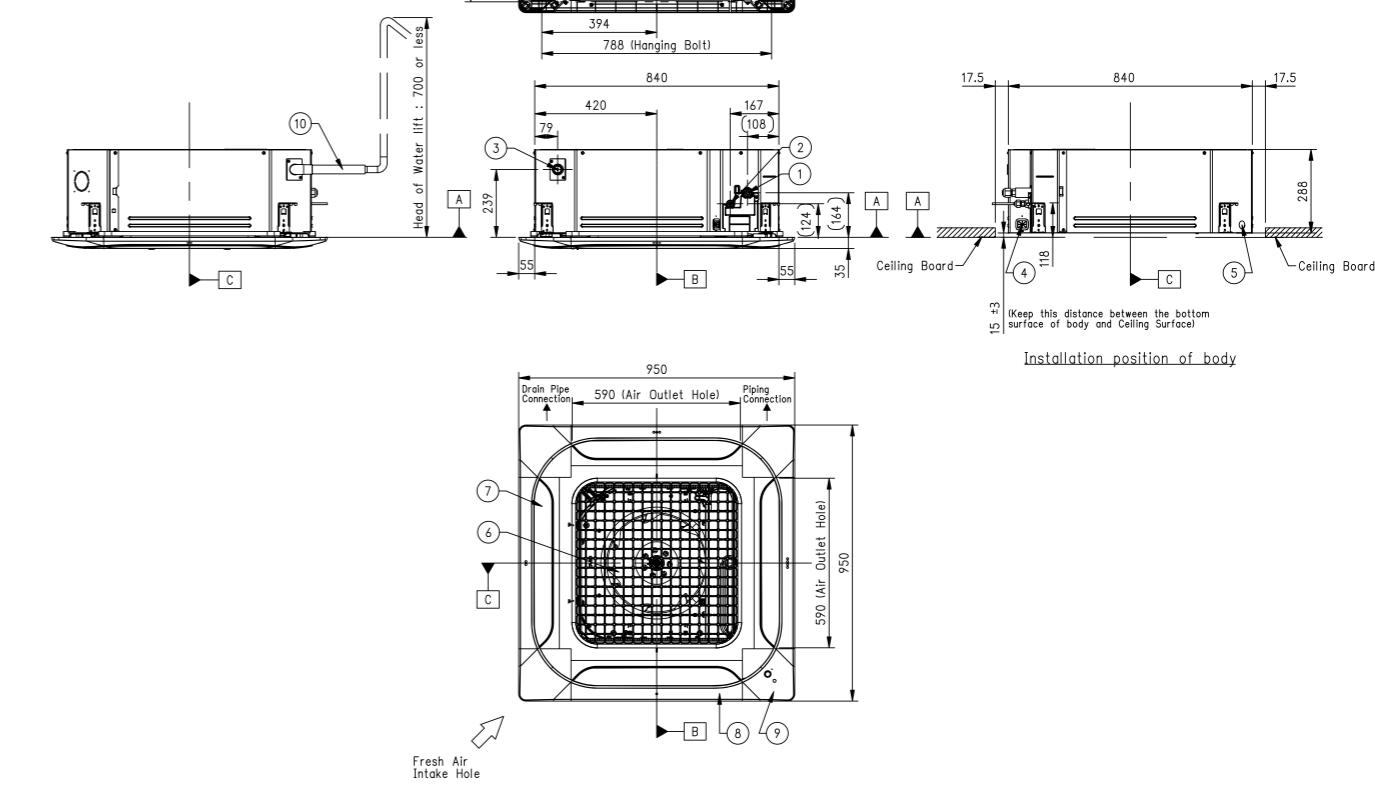
CEILING CASSETTE

STANDARD INVERTER (R32)

UT42F NAO / UT48F NAO / UT60F NAO

(Unit : mm)

| | Part Name |
|----|--|
| 1 | Gas Pipe Connection |
| 2 | Liquid Pipe Connection |
| 3 | Drain Pipe Connection |
| 4 | Power and Communication Cable Routing Hole |
| 5 | Wired Remote Controller Wire Routing Hole |
| 6 | Air Inlet |
| 7 | Air Outlet |
| 8 | Decoration Panel (Accessory) |
| 9 | Decoration Corner Cover |
| 10 | Flexible Drain Hose |
| 11 | Fresh Air Intake Hole |

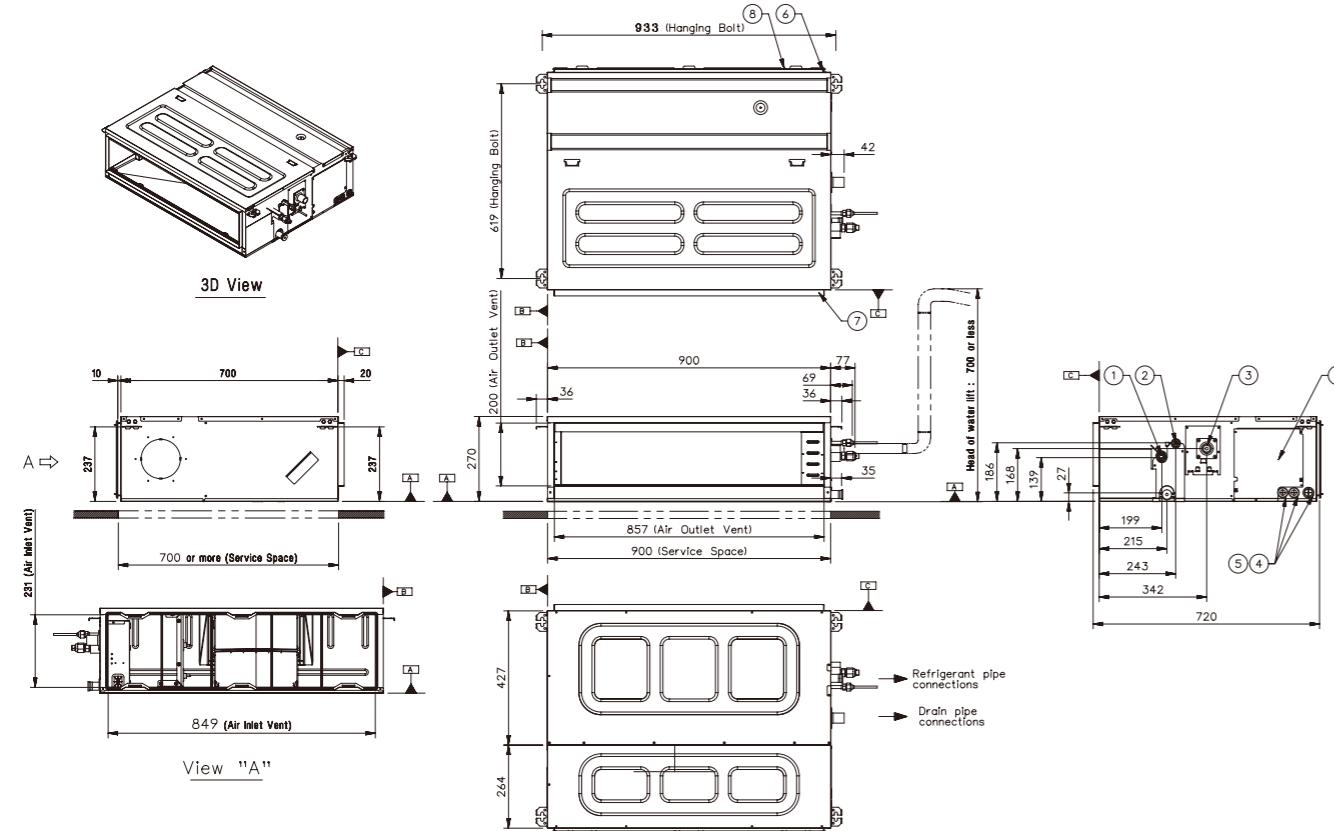


CEILING CONCEALED DUCT

H-INVERTER (R32) / MID STATIC

UM12FH N10 / UM18FH N10

| Part Name | |
|-----------|---|
| 1 | Gas Pipe Connection |
| 2 | Liquid Pipe Connection |
| 3 | Drain Pipe Connection |
| 4 | Power and Communication Cable Routing Hole |
| 5 | Remote Controller Cable Hole |
| 6 | Air Inlet |
| 7 | Air Outlet |
| 8 | Air Filters |
| 9 | Control Cover |

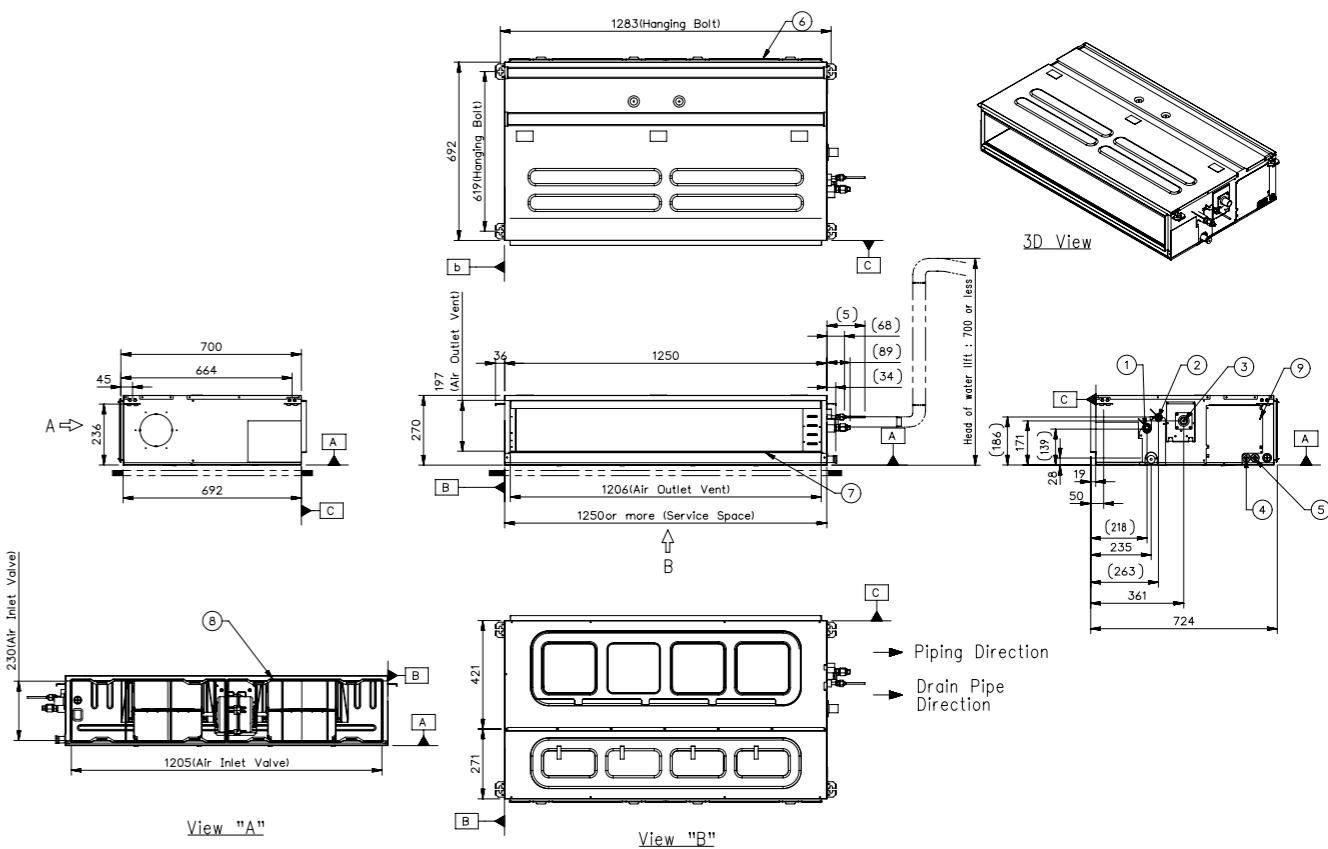


CEILING CONCEALED DUCT

H-INVERTER (R32) / MID STATIC

UM24FH N20 / UM30FH N20

| Part Name | |
|-----------|------------------------------------|
| 1 | Gas Pipe Connection |
| 2 | Liquid Pipe Connection |
| 3 | Drain Pipe Connection |
| 4 | Power and Communication Cable Hole |
| 5 | Remote Controller Cable hole |
| 6 | Air Inlet |
| 7 | Air Outlet |
| 8 | Air Filters |
| 9 | Control Cover |



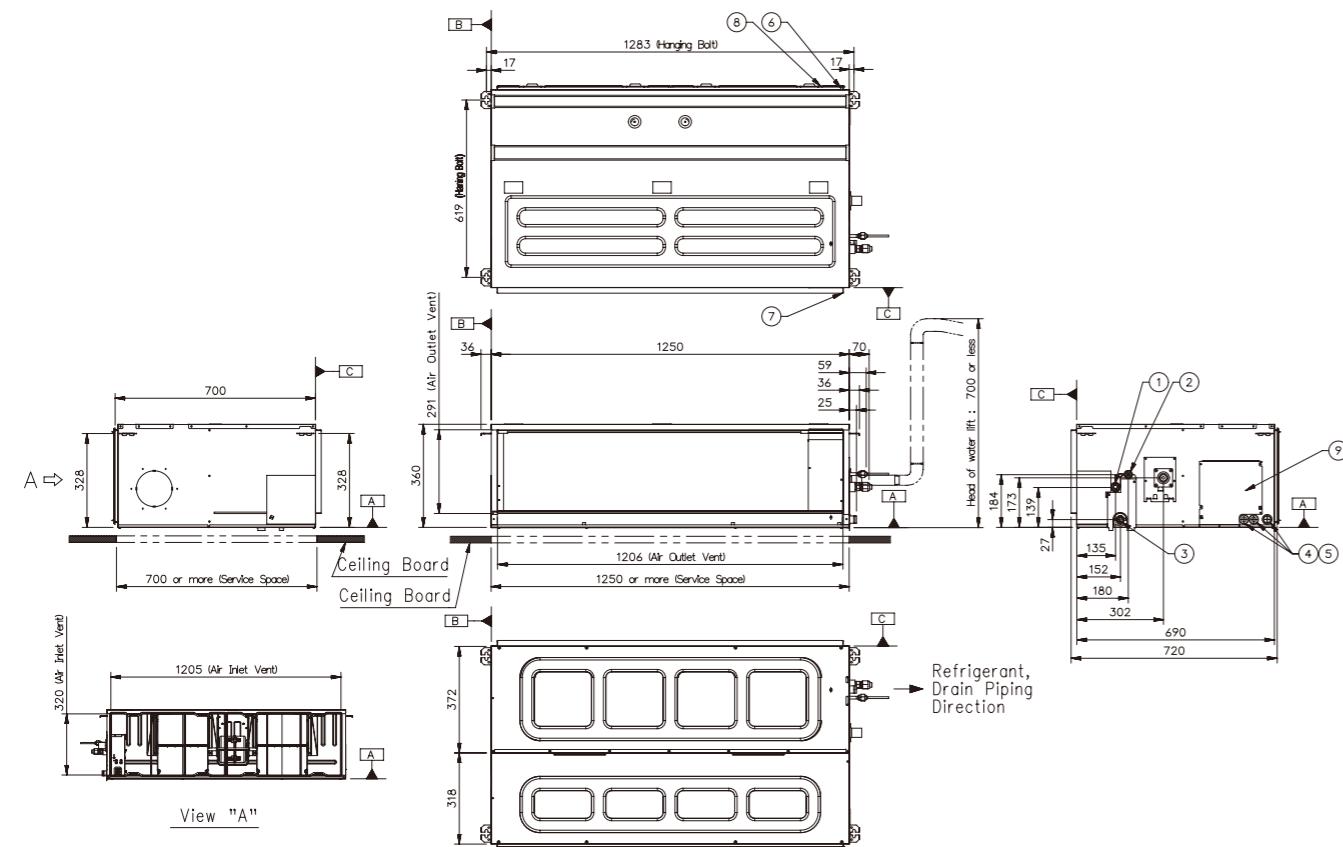
CEILING CONCEALED DUCT

H-INVERTER (R32) / MID STATIC

UM36FH N30 / UM42FH N30 / UM48FH N30

(Unit : mm)

| | Part Name |
|---|------------------------------------|
| 1 | Gas Pipe Connection |
| 2 | Liquid Pipe Connection |
| 3 | Drain Pipe Connection |
| 4 | Power and Communication Cable Hole |
| 5 | Remote Controller Cable Hole |
| 6 | Air Inlet |
| 7 | Air Outlet |
| 8 | Air Filters |
| 9 | Control Cover |



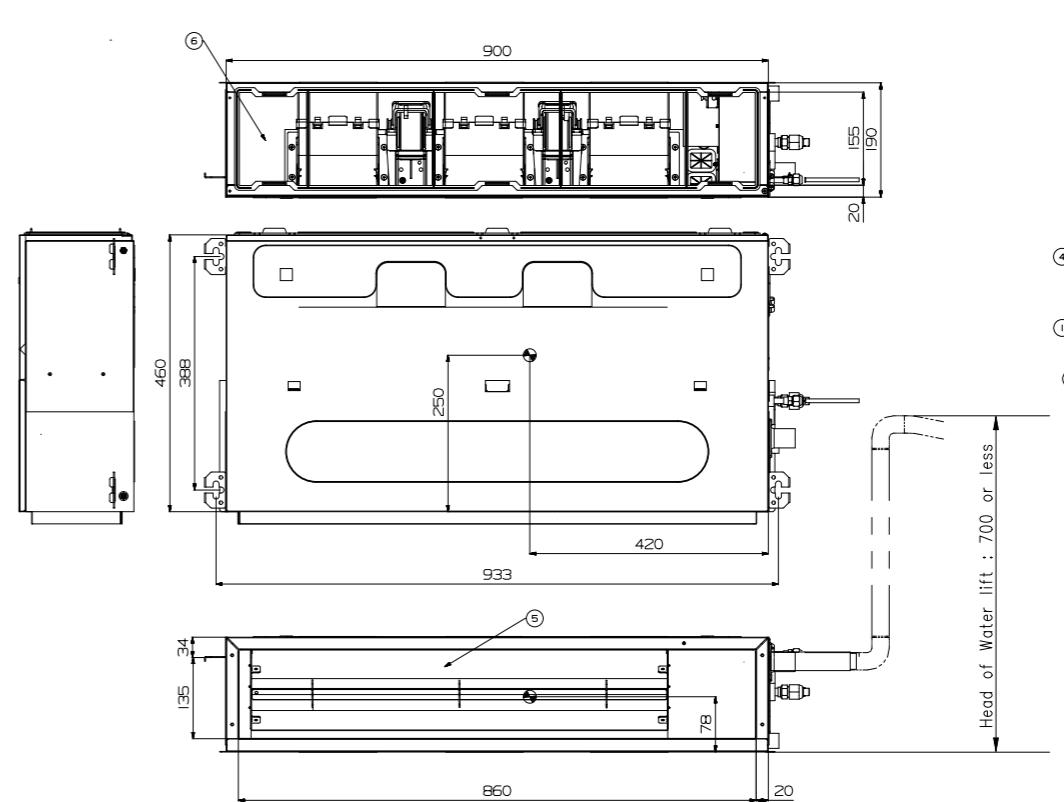
CEILING CONCEALED DUCT

H-INVERTER (R32) / LOW STATIC

UL12FH N50

(Unit : mm)

| | Part Name |
|---|-------------------------|
| 1 | Liquid Pipe Connection |
| 2 | Gas Pipe Connection |
| 3 | Drain Pipe Connection |
| 4 | Power supply Connection |
| 5 | Air Discharge |
| 6 | Air Suction |

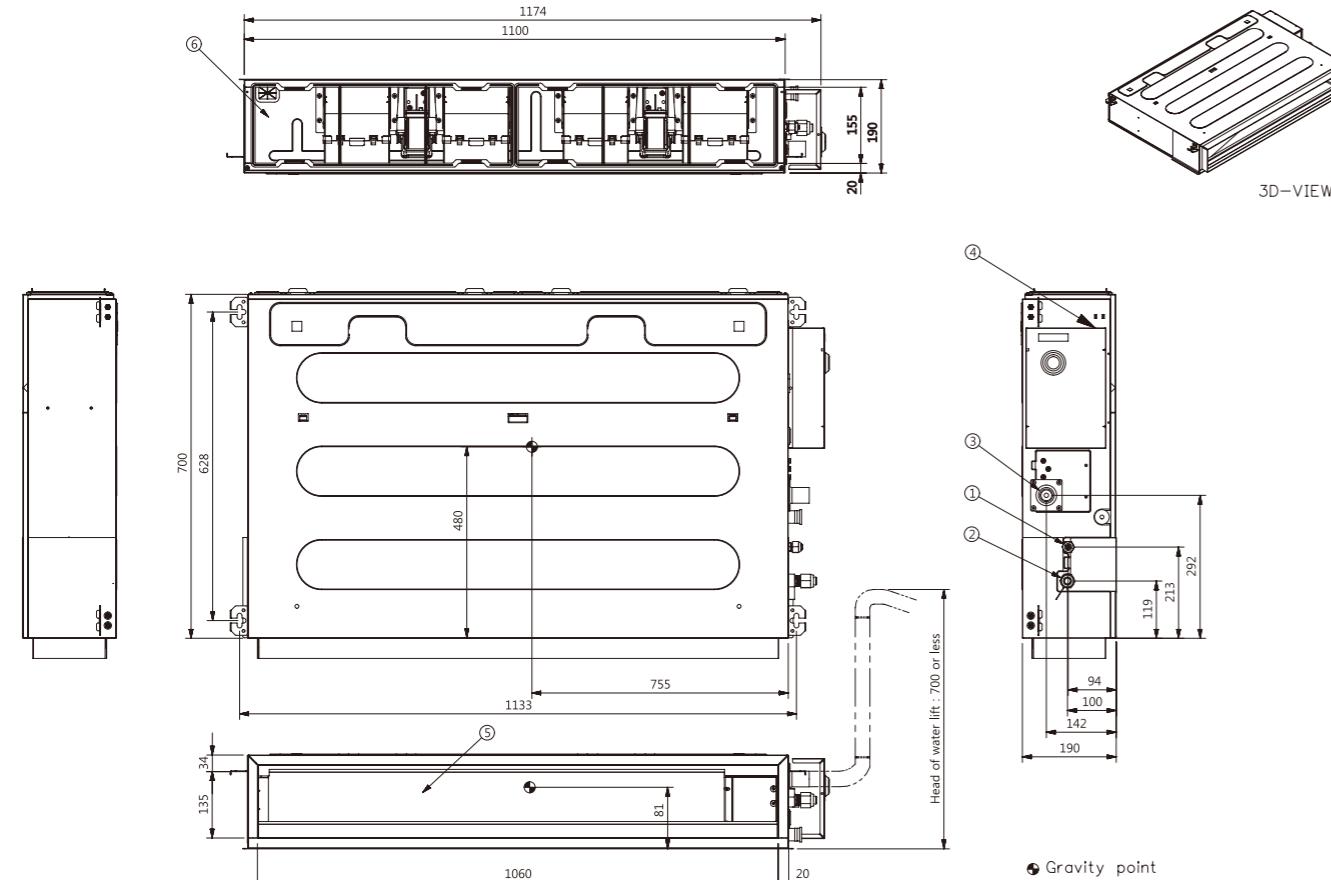


CEILING CONCEALED DUCT

H-INVERTER (R32) / LOW STATIC

UL18FH N30

| (Unit : mm) | | Part Name |
|-------------|-------------------------|-----------|
| 1 | Liquid Pipe Connection | |
| 2 | Gas Pipe Connection | |
| 3 | Drain Pipe Connection | |
| 4 | Power Supply Connection | |
| 5 | Air Discharge | |
| 6 | Air Suction | |

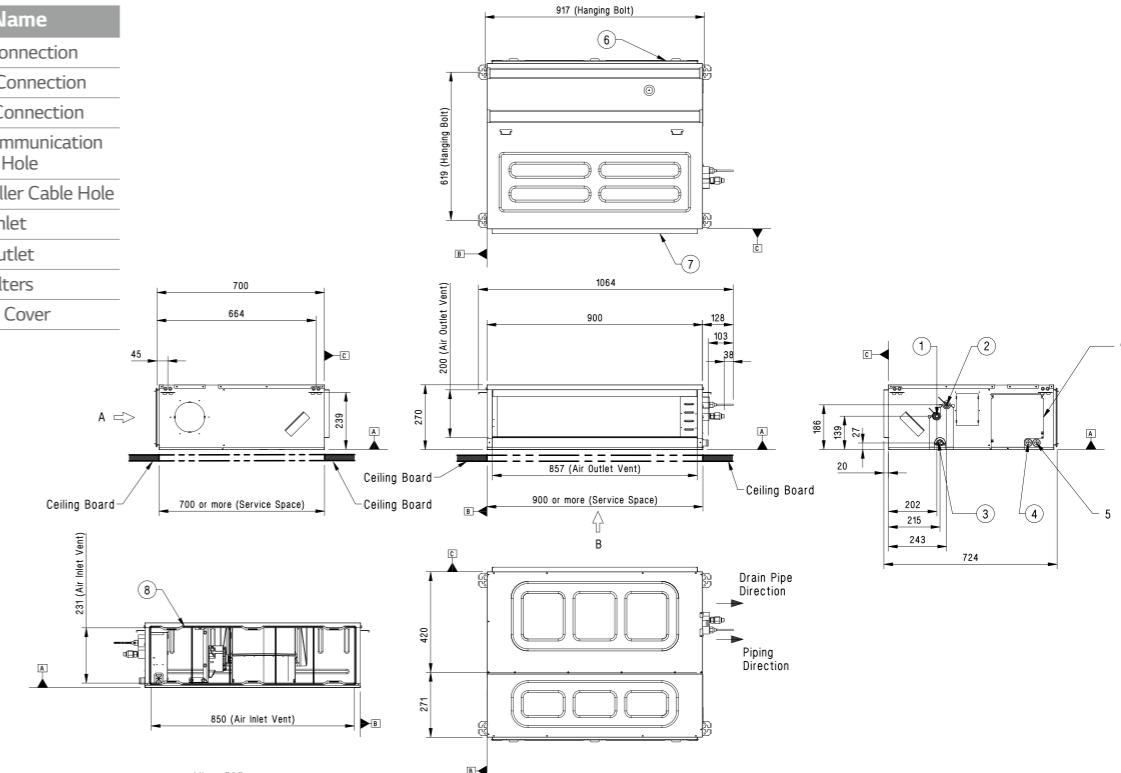


CEILING CONCEALED DUCT

STANDARD / COMPACT INVERTER (R32) / MID STATIC

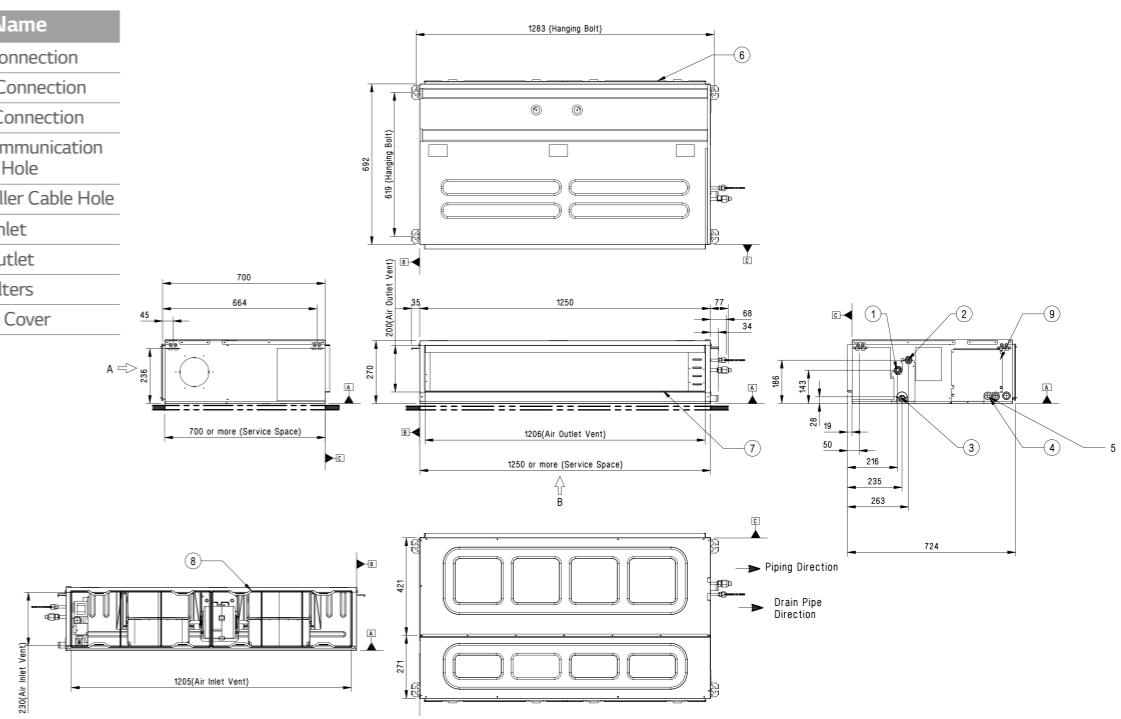
CM18F N10 / CM24F N10 / UM30F N10

| (Unit : mm) | | Part Name |
|-------------|--|------------------------------------|
| 1 | | Gas Pipe Connection |
| 2 | | Liquid Pipe Connection |
| 3 | | Drain Pipe Connection |
| 4 | | Power and Communication Cable Hole |
| 5 | | Remote Controller Cable Hole |
| 6 | | Air Inlet |
| 7 | | Air Outlet |
| 8 | | Air Filters |
| 9 | | Control Cover |



UM36F N20

| (Unit : mm) | | Part Name |
|-------------|--|------------------------------------|
| 1 | | Gas Pipe Connection |
| 2 | | Liquid Pipe Connection |
| 3 | | Drain Pipe Connection |
| 4 | | Power and Communication Cable Hole |
| 5 | | Remote Controller Cable Hole |
| 6 | | Air Inlet |
| 7 | | Air Outlet |
| 8 | | Air Filters |
| 9 | | Control Cover |



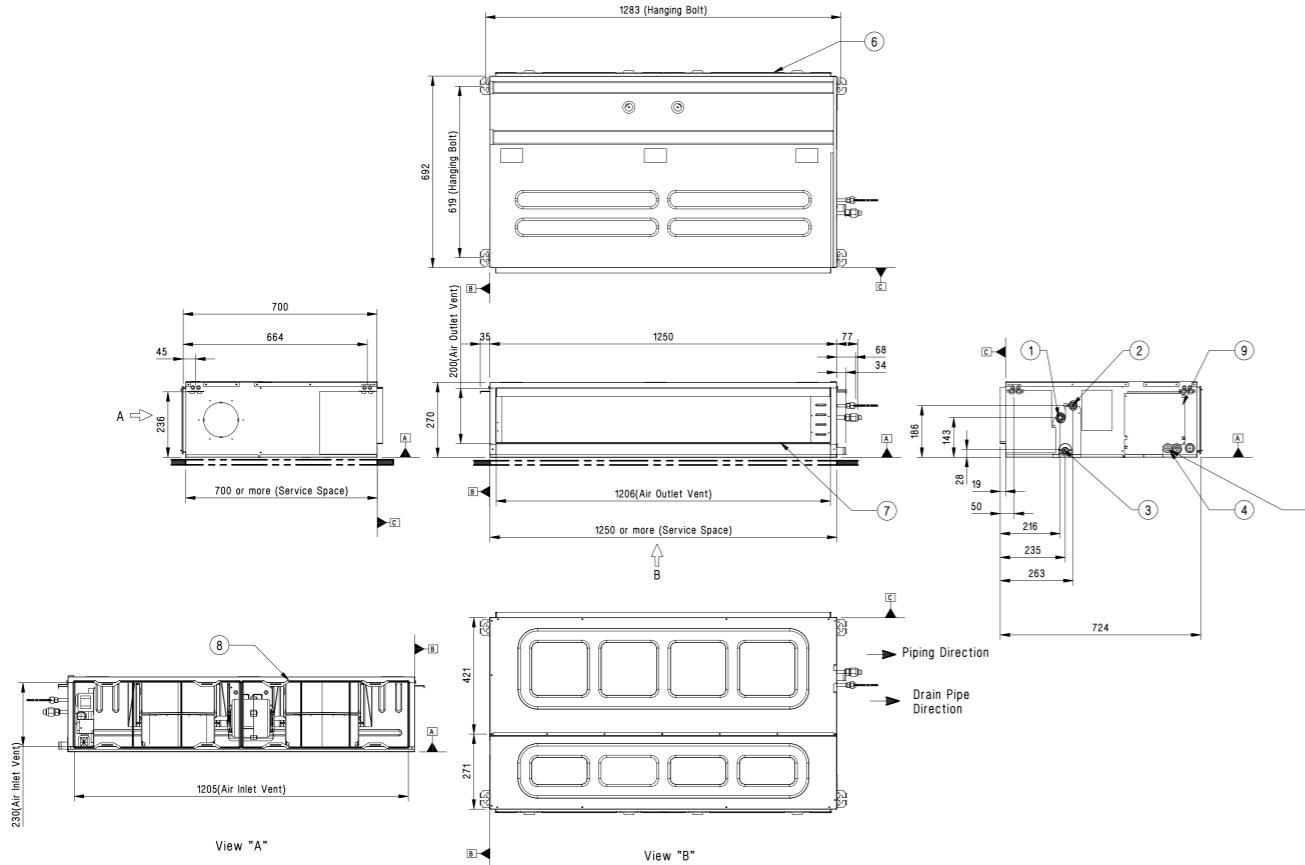
CEILING CONCEALED DUCT

STANDARD INVERTER (R32) / MID STATIC

UM42F N20

(Unit : mm)

| Part Name |
|--------------------------------------|
| 1 Gas Pipe Connection |
| 2 Liquid Pipe Connection |
| 3 Drain Pipe Connection |
| 4 Power and Communication Cable Hole |
| 5 Remote Controller Cable Hole |
| 6 Air Inlet |
| 7 Air Outlet |
| 8 Air Filters |
| 9 Control Cover |



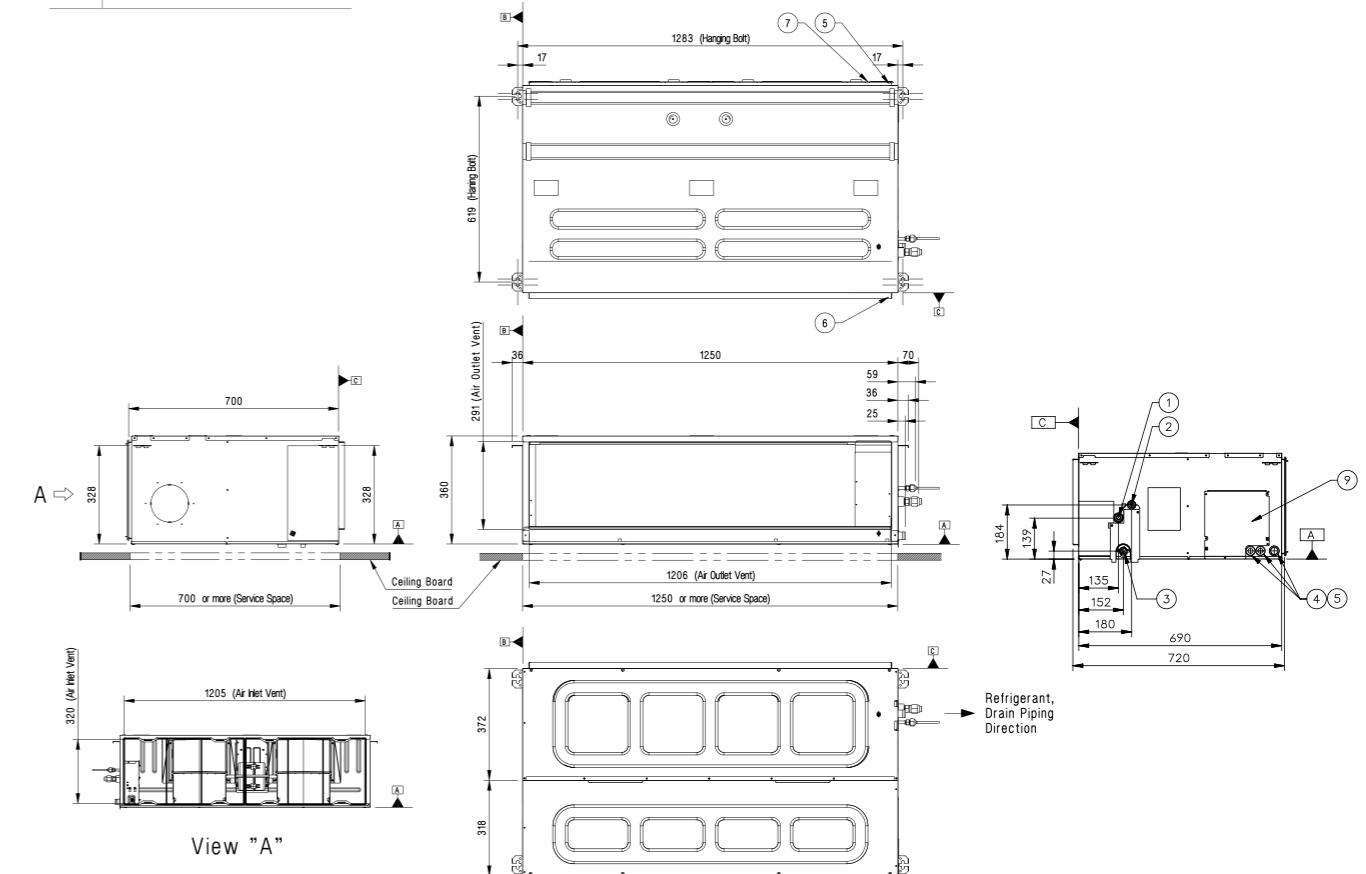
CEILING CONCEALED DUCT

STANDARD INVERTER (R32) / MID STATIC

UM48F N30 / UM60F N30

(Unit : mm)

| Part Name |
|--------------------------------------|
| 1 Gas Pipe Connection |
| 2 Liquid Pipe Connection |
| 3 Drain Pipe Connection |
| 4 Power and Communication Cable Hole |
| 5 Remote Controller Cable Hole |
| 6 Air Inlet |
| 7 Air Outlet |
| 8 Air Filters |
| 9 Control Cover |



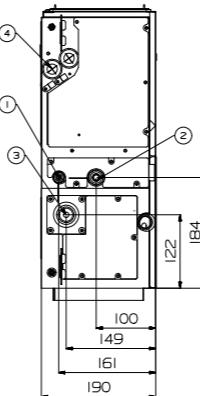
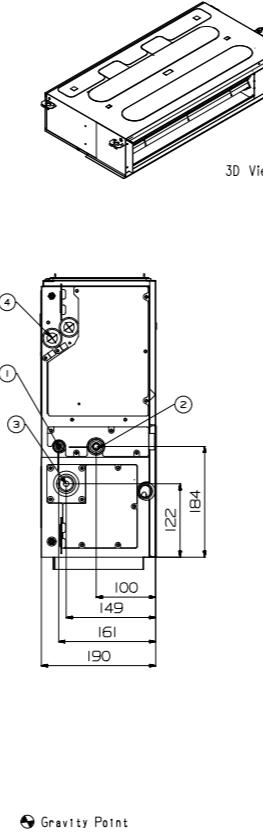
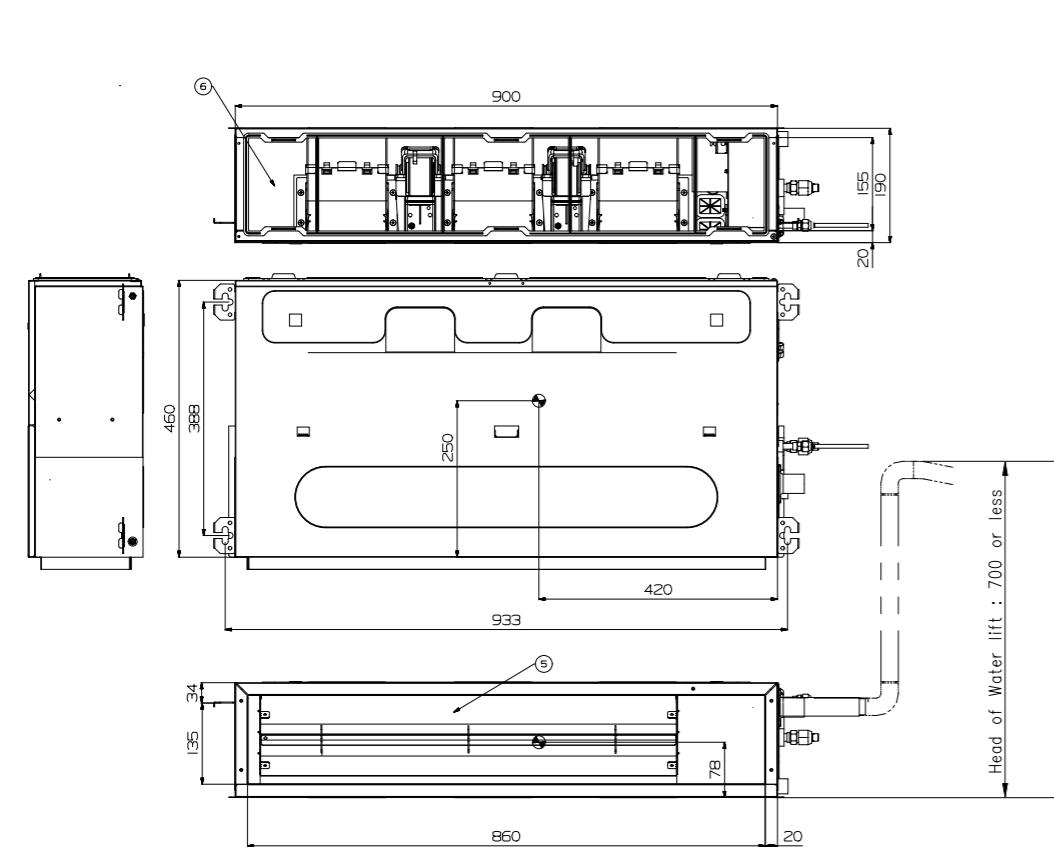
CEILING CONCEALED DUCT

STANDARD INVERTER (R32) / LOW STATIC

CL09F N50 / CL12F N50

(Unit : mm)

| Part Name | |
|-----------|-------------------------|
| 1 | Liquid Pipe Connection |
| 2 | Gas Pipe Connection |
| 3 | Drain Pipe Connection |
| 4 | Power Supply Connection |
| 5 | Air Discharge |
| 6 | Air Suction |



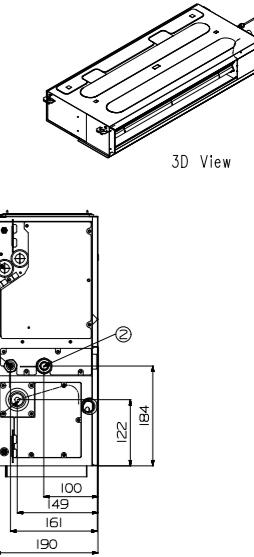
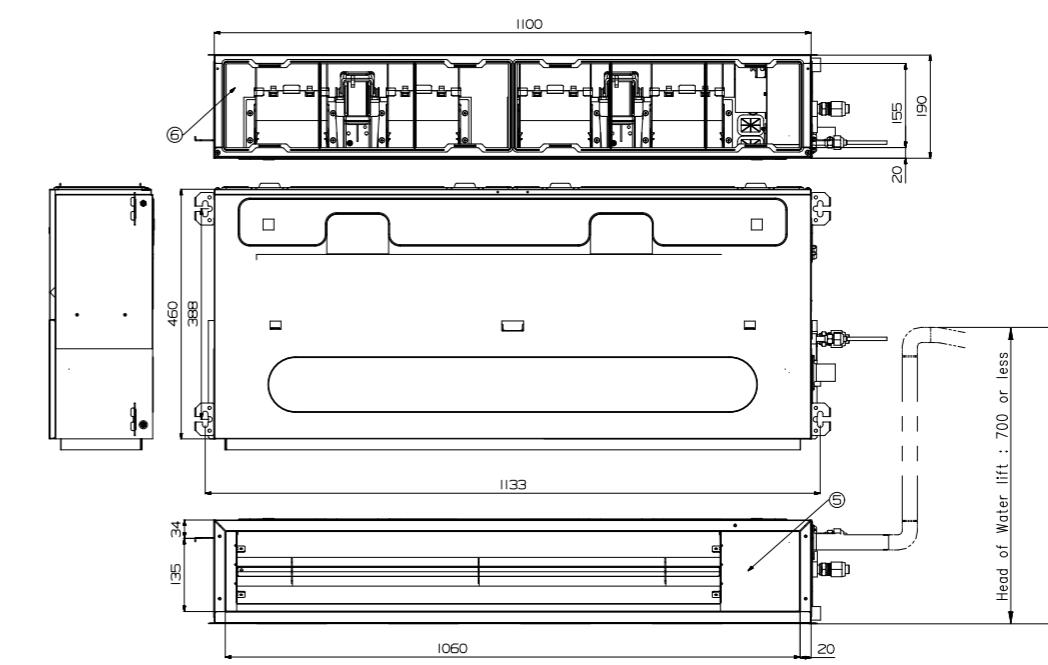
CEILING CONCEALED DUCT

STANDARD / COMPACT INVERTER (R32) / LOW STATIC

CL18F N60

(Unit : mm)

| Part Name | |
|-----------|-------------------------|
| 1 | Liquid Pipe Connection |
| 2 | Gas Pipe Connection |
| 3 | Drain Pipe Connection |
| 4 | Power Supply Connection |
| 5 | Air Discharge |
| 6 | Air Suction |



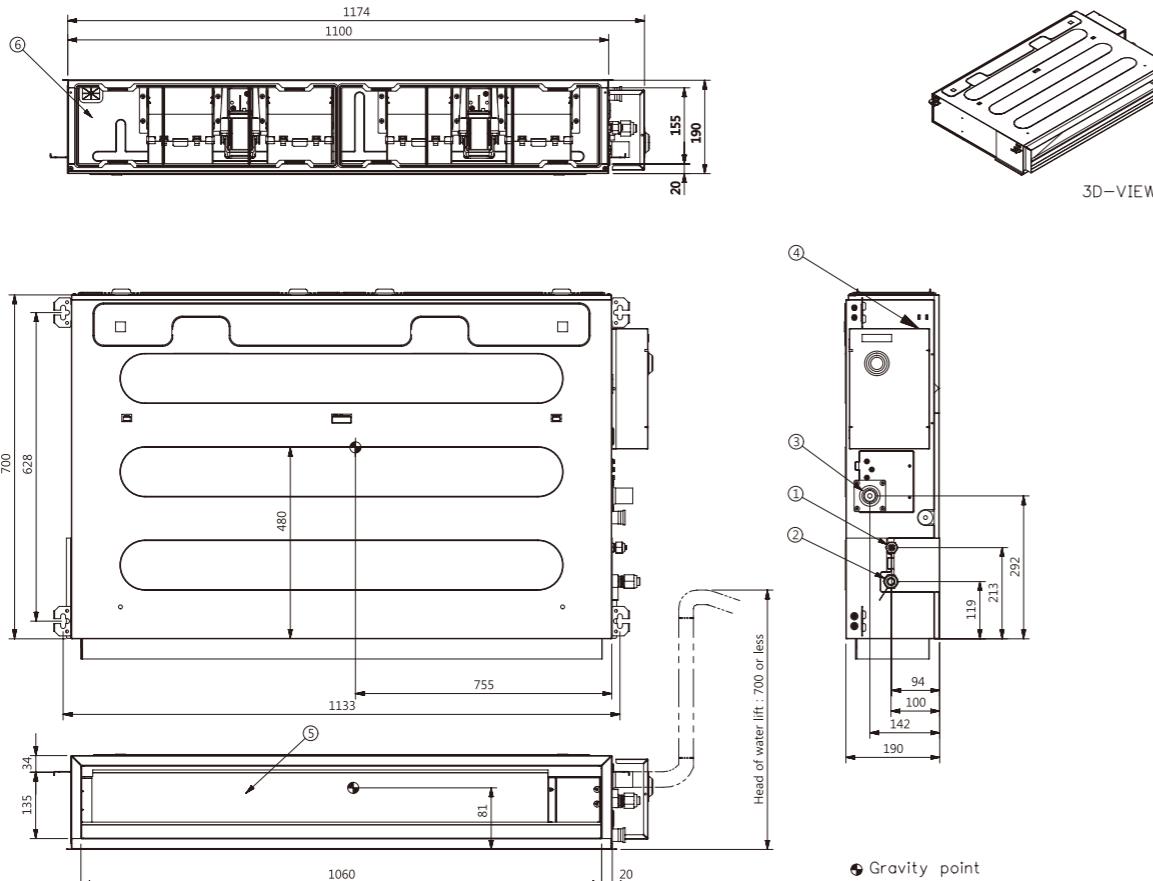
CEILING CONCEALED DUCT

STANDARD / COMPACT INVERTER (R32) / LOW STATIC

CL24F N30

(Unit : mm)

| | Part Name |
|---|-------------------------|
| 1 | Liquid Pipe Connection |
| 2 | Gas Pipe Connection |
| 3 | Drain Pipe Connection |
| 4 | Power Supply Connection |
| 5 | Air Discharge |
| 6 | Air Suction |



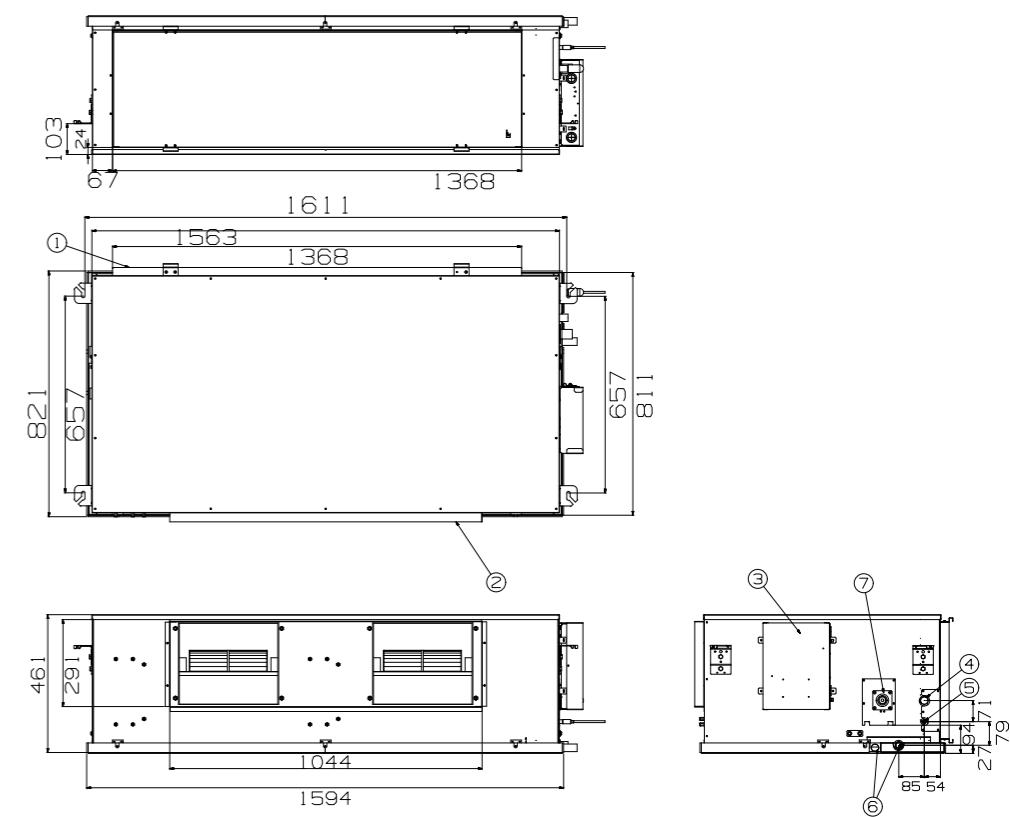
CEILING CONCEALED DUCT

STANDARD INVERTER (R410A) / HIGH STATIC

UB70 N94 / UB85 N94

(Unit : mm)

| | Part Name |
|---|------------------------|
| 1 | Air Suction Flange |
| 2 | Air Discharge Flange |
| 3 | Control Box |
| 4 | Gas Piping Connection |
| 5 | Liquid Pipe Connection |
| 6 | Drain Pipe Connection |
| 7 | Drain Pump (Option) |



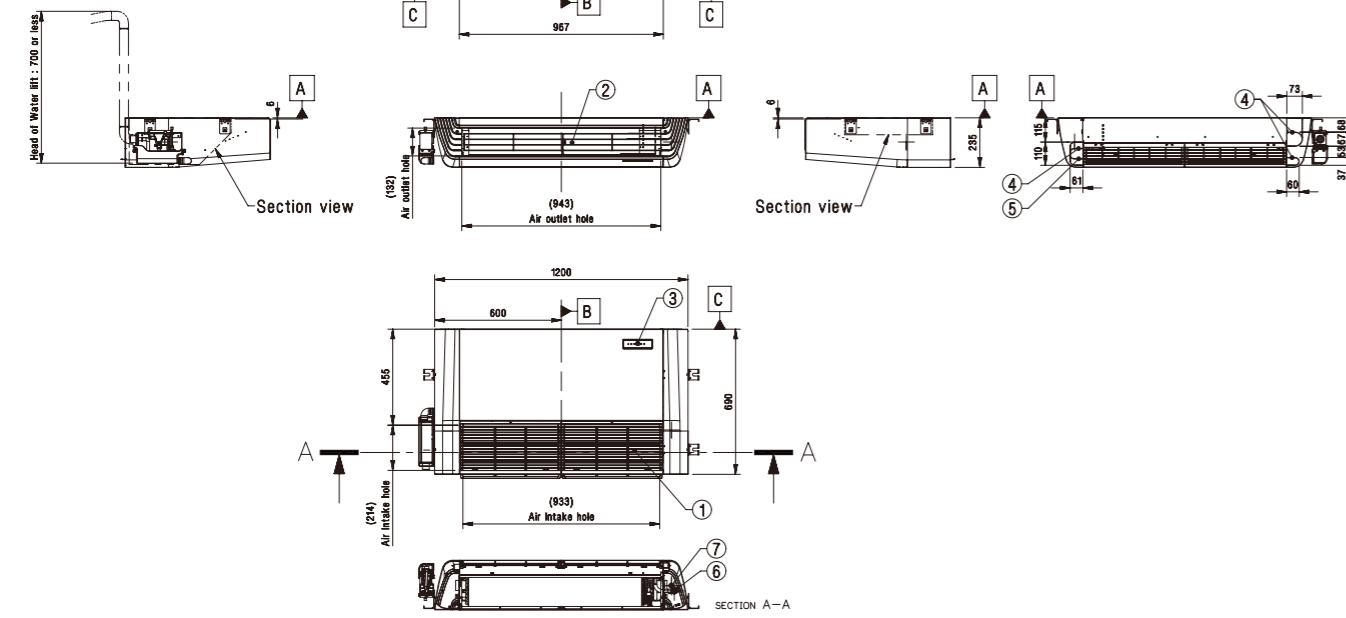
CEILING SUSPENDED

H-INVERTER (R32)

UV18FH N10

(Unit : mm)

| | Part Name |
|---|-----------------------------------|
| 1 | Air Inlet |
| 2 | Air Outlet |
| 3 | Remote Controller Signal Receiver |
| 4 | Drain Hose Routing Hole |
| 5 | Refrigerant Pipe and Routing Hole |
| 6 | Gas Pipe Connection |
| 7 | Liquid Pipe Connection |



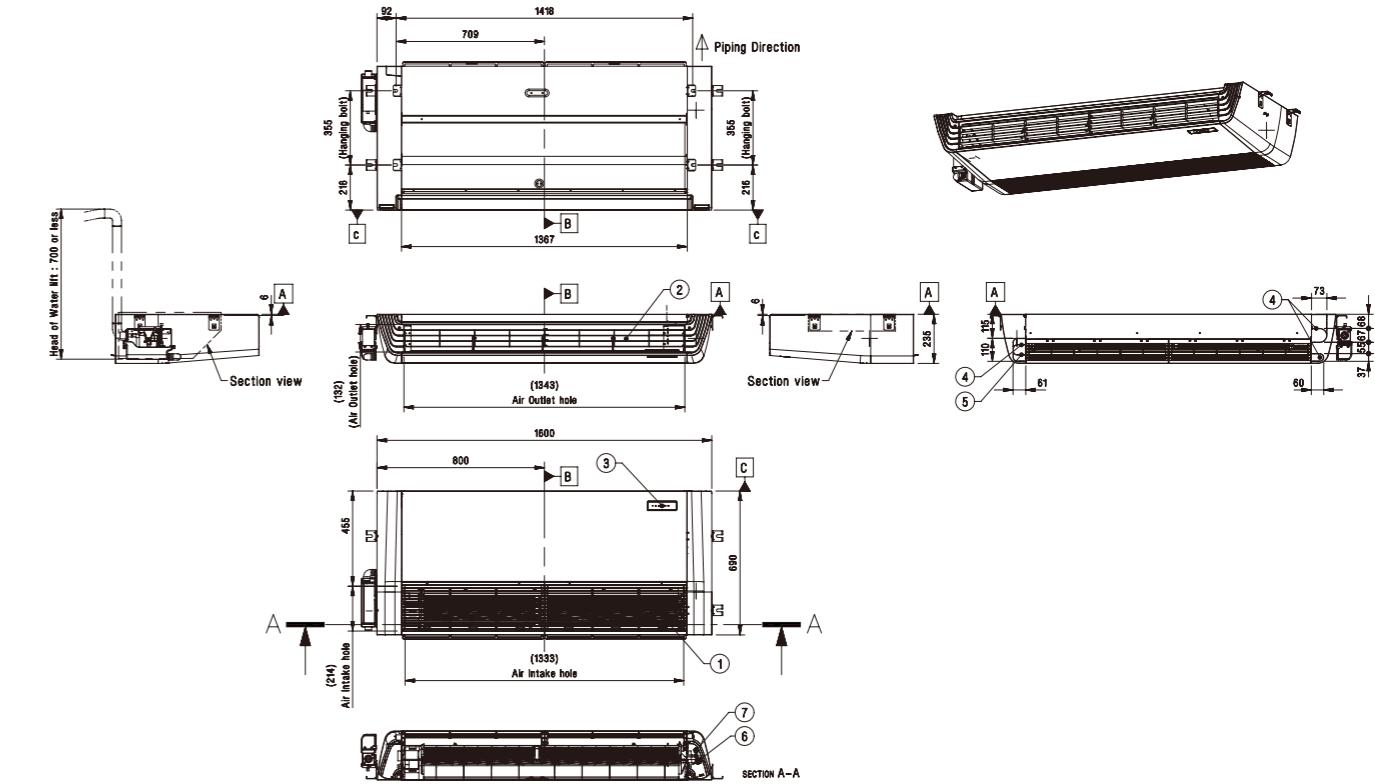
CEILING SUSPENDED

H-INVERTER (R32)

UV24FH N20 / UV30FH N20 / UV36FH N20 / UV42FH N20

(Unit : mm)

| | Part Name |
|---|-----------------------------------|
| 1 | Air Inlet |
| 2 | Air Outlet |
| 3 | Remote Controller Signal Receiver |
| 4 | Drain Hose Routing Hole |
| 5 | Refrigerant Pipe and Routing Hole |
| 6 | Gas Pipe Connection |
| 7 | Liquid Pipe Connection |



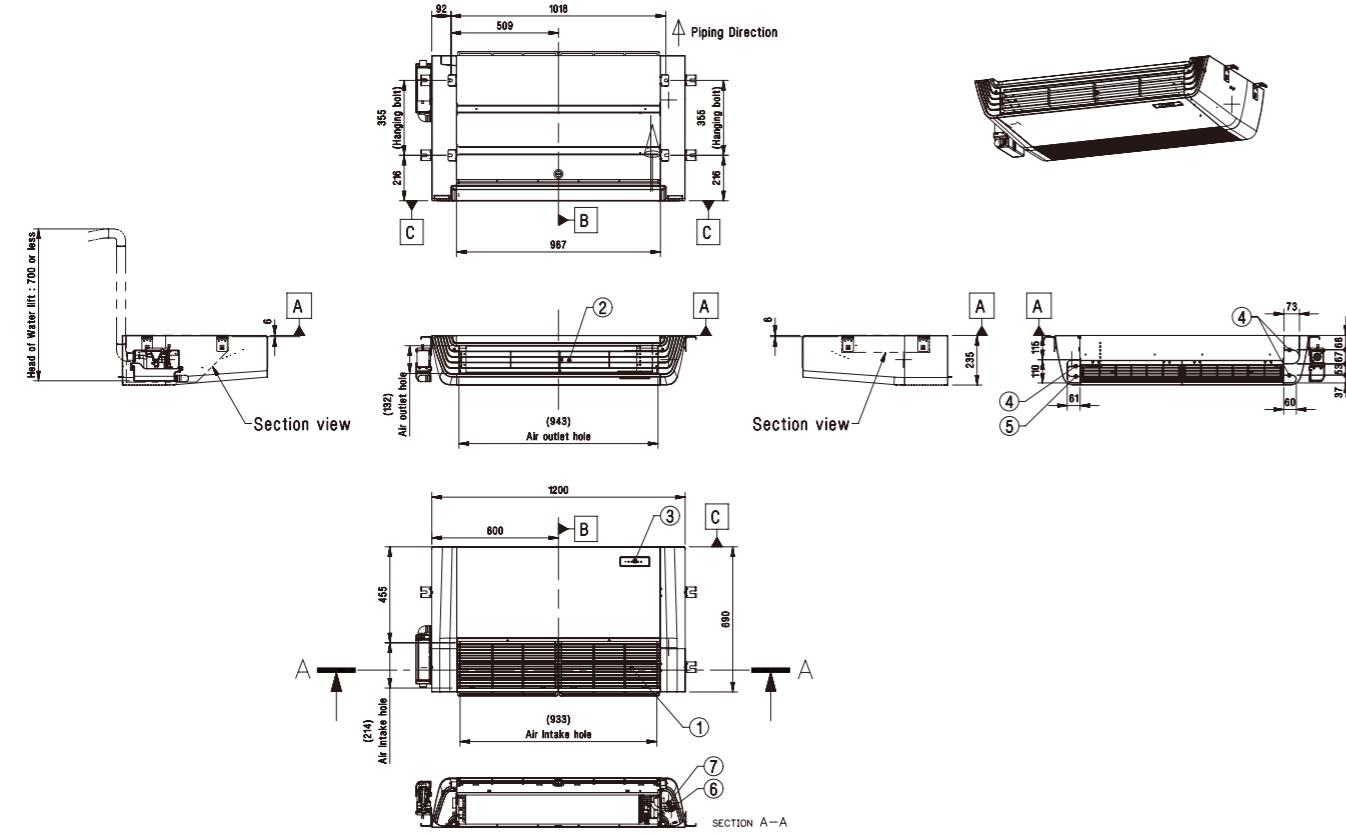
CEILING SUSPENDED

STANDARD / COMPACT INVERTER (R32)

UV18F N10 / UV24F N10 / UV30F N10

(Unit : mm)

| Part Name | |
|-----------|---|
| 1 | Air Inlet |
| 2 | Air Outlet |
| 3 | Remote Controller Signal Receiver |
| 4 | Drain Hose Routing Hole |
| 5 | Refrigerant Pipe and Cable Routing Hole |
| 6 | Gas Pipe Connection |
| 7 | Liquid Pipe Connection |



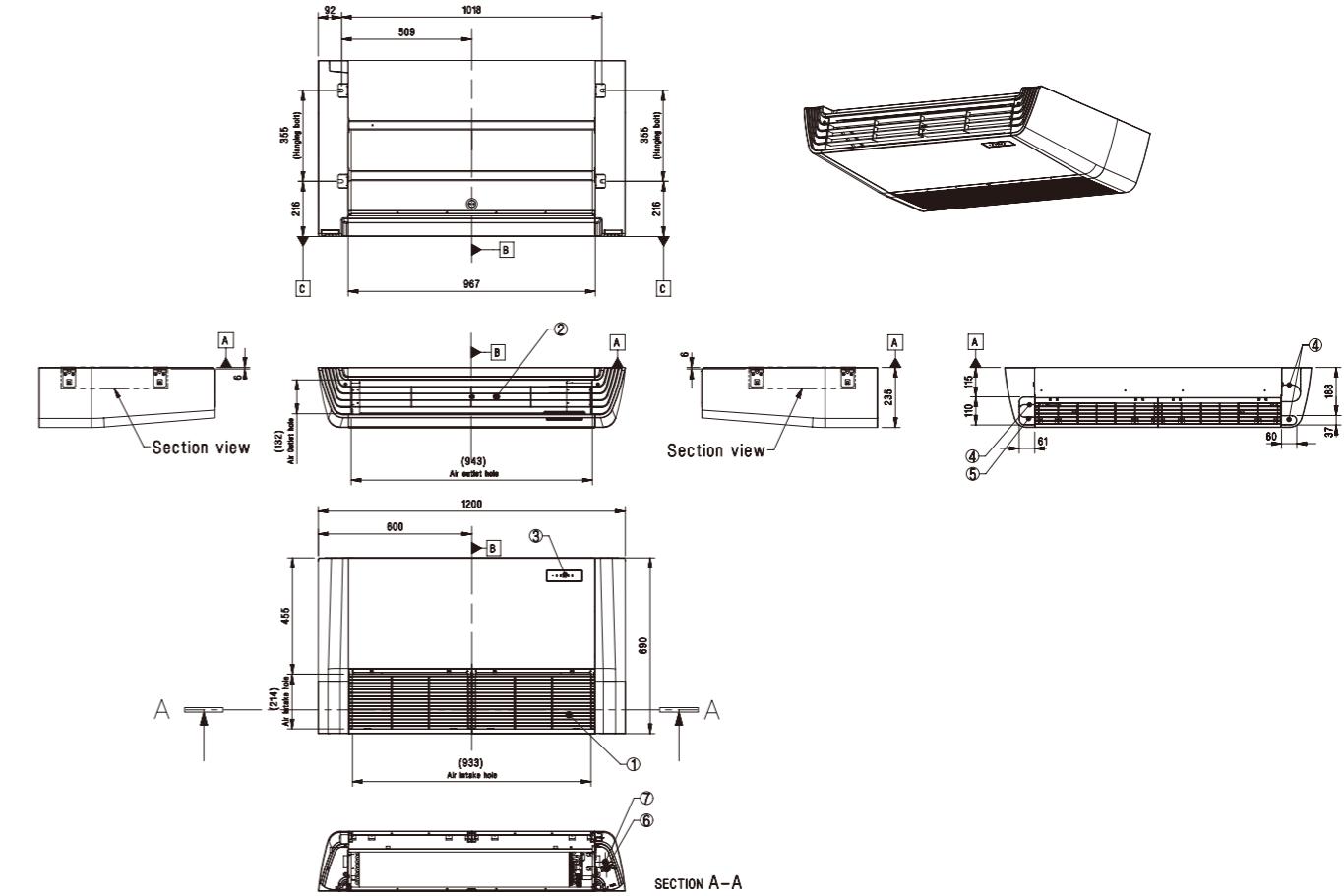
CEILING SUSPENDED

STANDARD INVERTER (R32)

UV36F N20 / UV42F N20 / UV48F N20 / UV60F N20

(Unit : mm)

| Part Name | |
|-----------|---|
| 1 | Air Inlet |
| 2 | Air Outlet |
| 3 | Remote Controller Signal Receiver |
| 4 | Drain Hose Routing Hole |
| 5 | Refrigerant Pipe and Cable Routing Hole |
| 6 | Gas Pipe Connection |
| 7 | Liquid Pipe Connection |



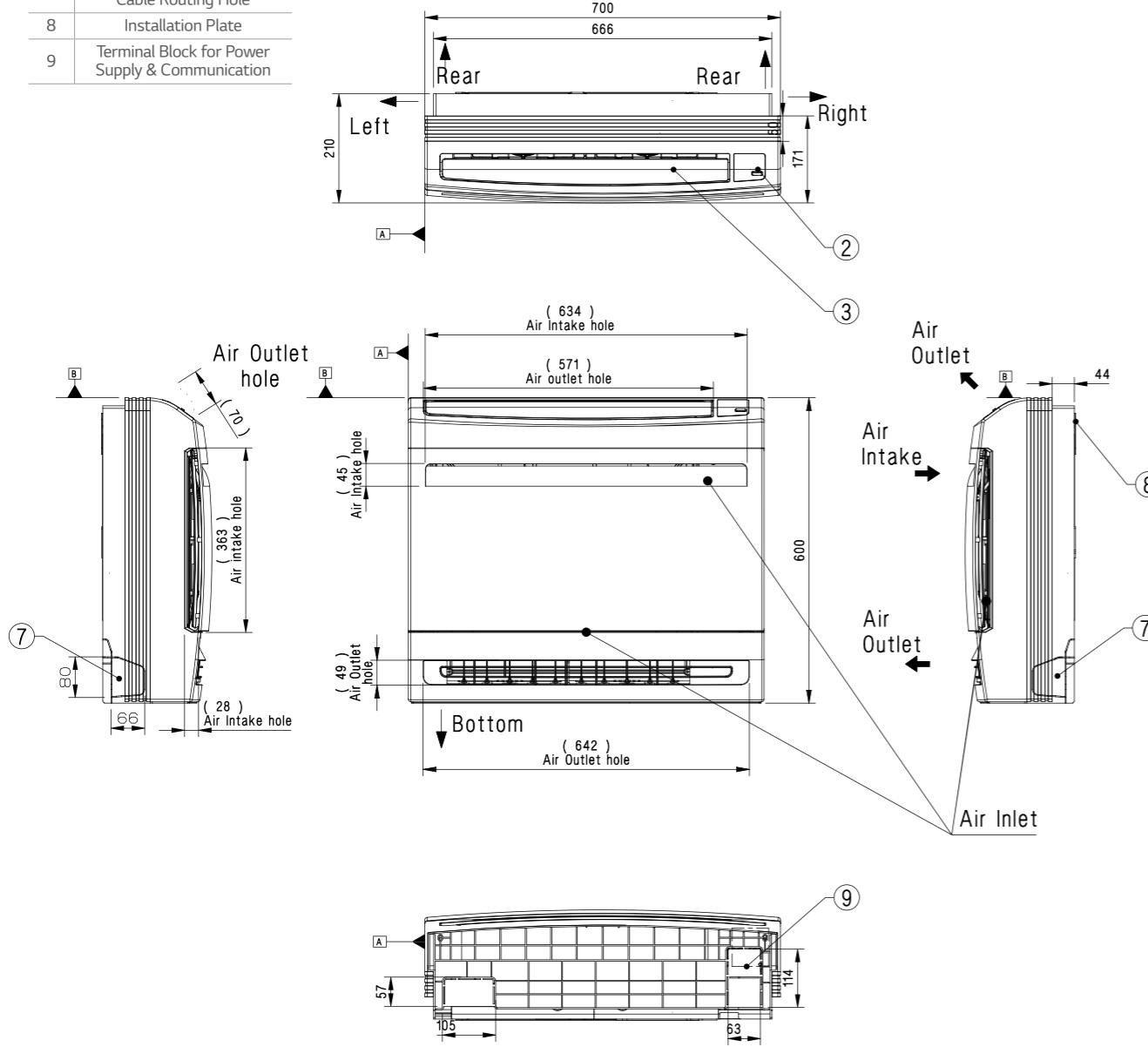
CONSOLE

STANDARD INVERTER (R32)

UQ09 NA0 / UQ12 NA0 / UQ18 NA0

(Unit : mm)

| | Part Name |
|---|---|
| 1 | Air Suction Grille |
| 2 | Remote Controller Signal Receiver |
| 3 | Air Discharge Grille |
| 4 | Gas Pipe Connection |
| 5 | Liquid Pipe Connection |
| 6 | Drain Hose Connection |
| 7 | Refrigerant / Drain Pipe & Cable Routing Hole |
| 8 | Installation Plate |
| 9 | Terminal Block for Power Supply & Communication |

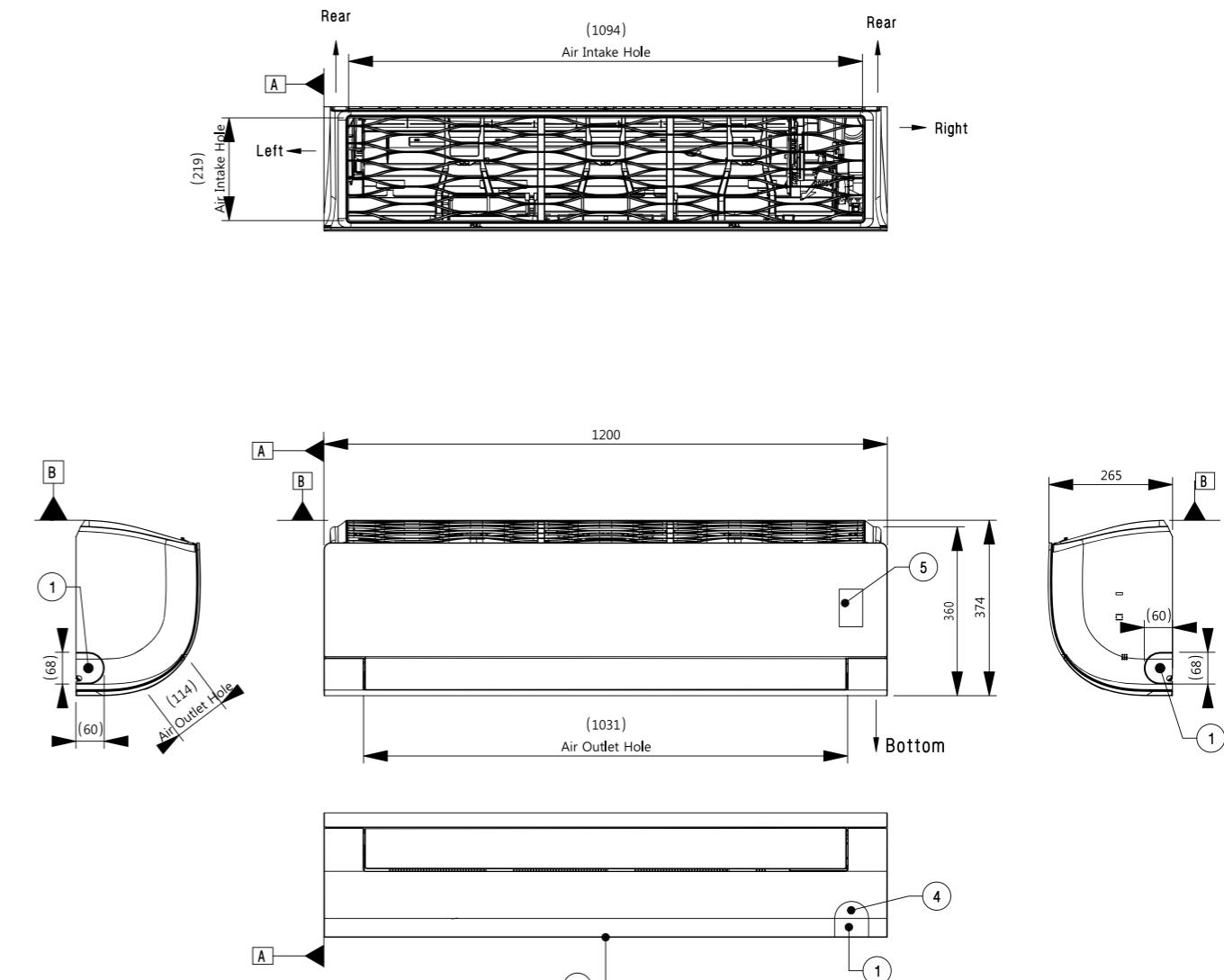
**WALL MOUNTED**

STANDARD / COMPACT INVERTER (R32)

US30F NRO / US36F NRO

(Unit : mm)

| | Part Name |
|---|---|
| 1 | Refrigerant / Drain Pipe and Cable Routing Hole |
| 2 | Installation Plate |
| 3 | Drain Hose Connection |
| 4 | Terminal Block for Power Supply & Communication |
| 5 | Display & Remote Controller Signal Receiver |
| 6 | Decoration Cover |



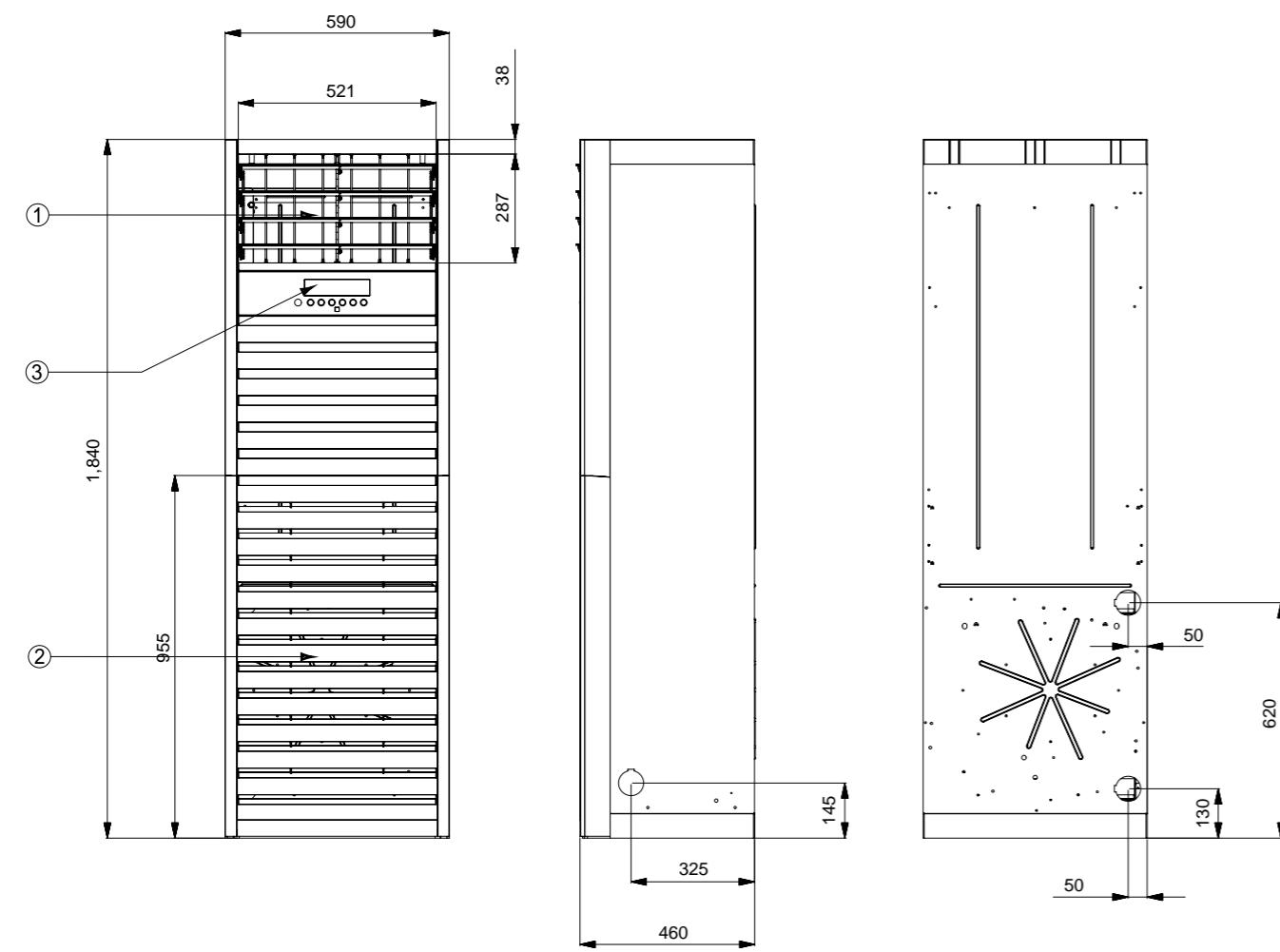
FLOOR STANDING

STANDARD INVERTER (R410A)

UP48 NT2

(Unit : mm)

| Part Name | |
|-----------|----------------------------|
| 1 | Front Air Discharge Grille |
| 2 | Display & Single Receiver |
| 3 | Air Suction Grille |



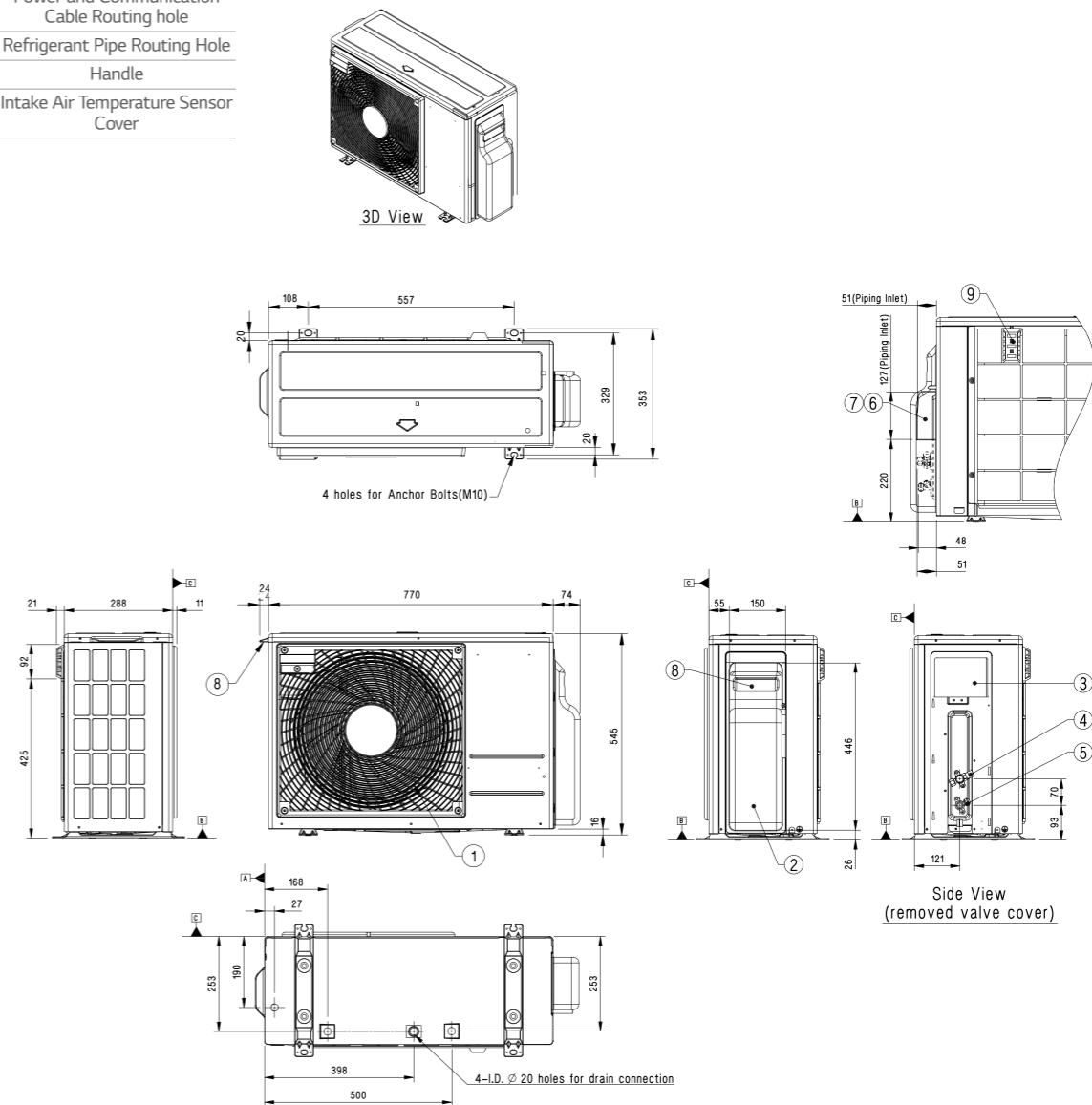
UNIVERSAL OUTDOOR

HIGH / STANDARD / COMPACT INVERTER (R32)

UUA1 ULO

(Unit : mm)

| Part Name | |
|-----------|--|
| 1 | Air Outlet |
| 2 | Control Cover & SVC Valve Cover |
| 3 | Power and Communication Cable Connection |
| 4 | Gas Pipe Connection |
| 5 | Liquid Pipe Connection |
| 6 | Power and Communication Cable Routing hole |
| 7 | Refrigerant Pipe Routing Hole |
| 8 | Handle |
| 9 | Intake Air Temperature Sensor Cover |



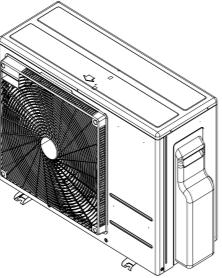
UNIVERSAL OUTDOOR

HIGH / STANDARD / COMPACT INVERTER (R32)

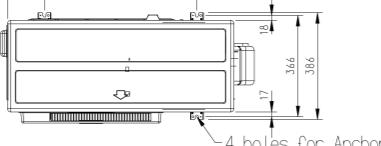
UUB1 U20

(Unit : mm)

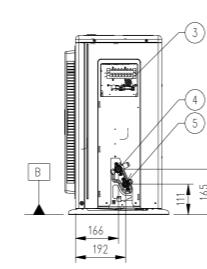
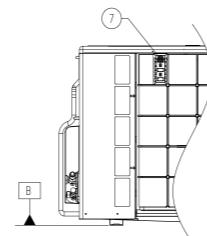
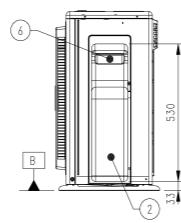
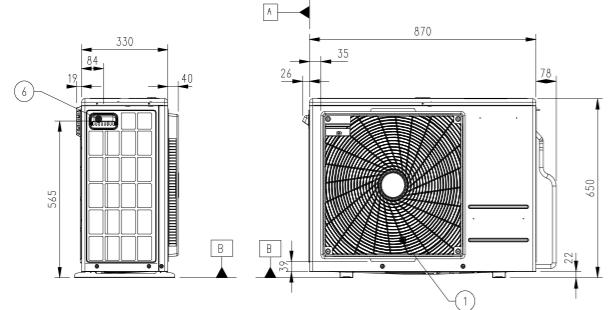
| Part Name | |
|-----------|--|
| 1 | Air Outlet |
| 2 | Control Cover & SVC Valve Cover |
| 3 | Power and Communication Cable Connection |
| 4 | Gas Pipe Connection |
| 5 | Liquid Pipe Connection |
| 6 | Handle |
| 7 | Intake Air Temperature Sensor Cover |



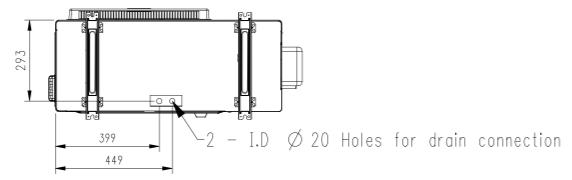
3D View



4 holes for Anchor Bolts(M10)



Side View
(removed valve cover)



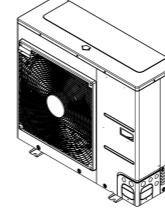
UNIVERSAL OUTDOOR

HIGH / STANDARD / COMPACT INVERTER (R32)

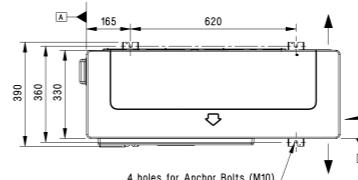
UUC1 U40

(Unit : mm)

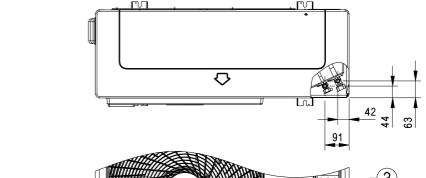
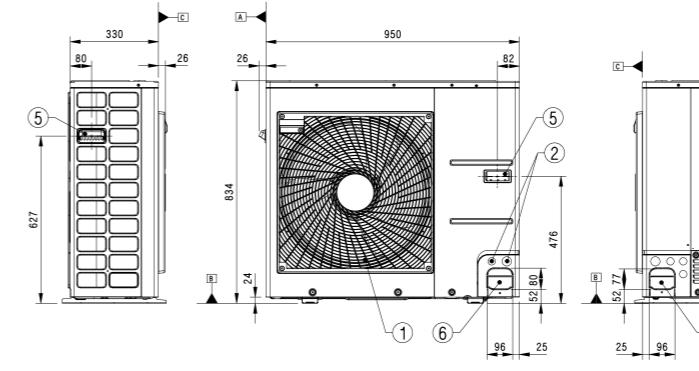
| Part Name | |
|-----------|------------------------------------|
| 1 | Air Outlet |
| 2 | Power and Communication Cable Hole |
| 3 | Gas Pipe Connection |
| 4 | Liquid Pipe Connection |
| 5 | Handle |
| 6 | Pipe Routing Hole (Front) |
| 7 | Pipe Routing Hole (Side) |
| 8 | Pipe Routing Hole (Back) |



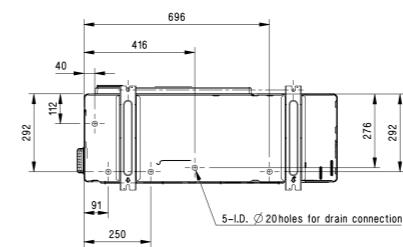
3D View



4 holes for Anchor Bolt



Piping connection port



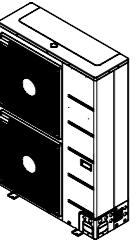
UNIVERSAL OUTDOOR

STANDARD INVERTER (R32)

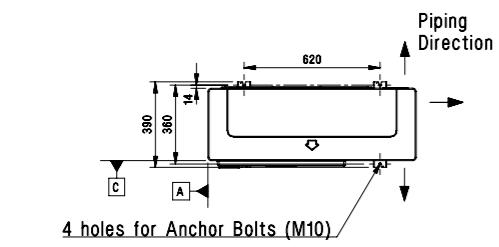
UUD1 U30 / UUD3 U30

(Unit : mm)

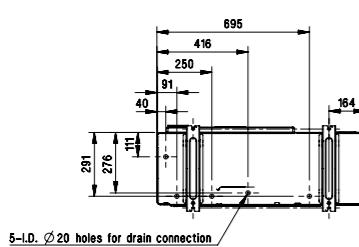
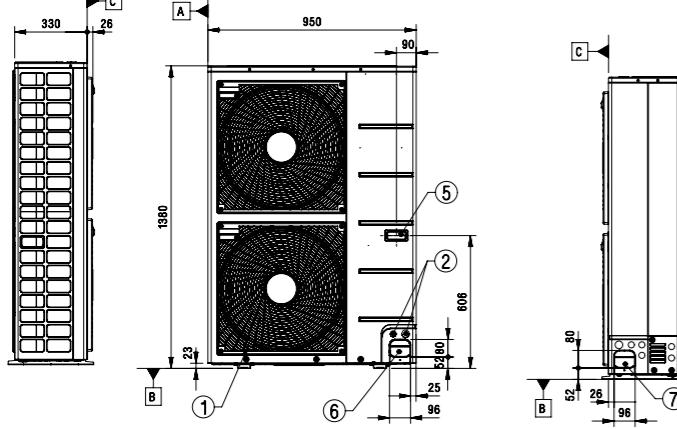
| Part Name | |
|-----------|------------------------------------|
| 1 | Air Outlet |
| 2 | Power and Communication Cable Hole |
| 3 | Gas Pipe Connection |
| 4 | Liquid Pipe Connection |
| 5 | Handle |
| 6 | Pipe Routing Hole (Front) |
| 7 | Pipe Routing Hole (Side) |
| 8 | Pipe Routing Hole (Back) |



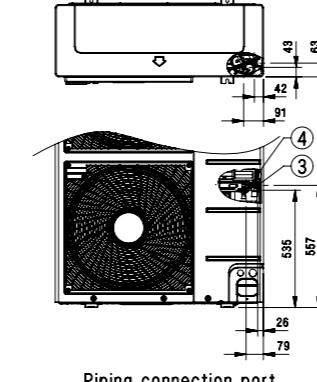
3D View



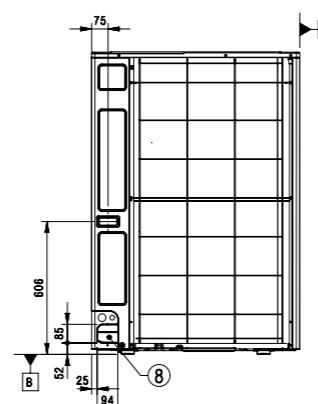
4 holes for Anchor Bolts (M10)



5-I.D. Ø 20 holes for drain connection



Piping connection port



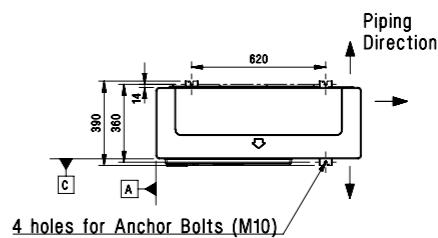
Piping connection port

UNIVERSAL OUTDOOR

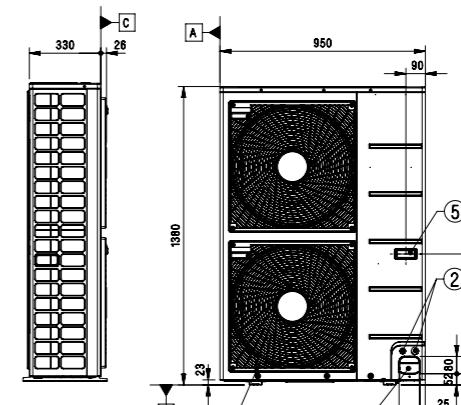
STANDARD INVERTER (R410A)

UU48WR U30 / UU49WR U30

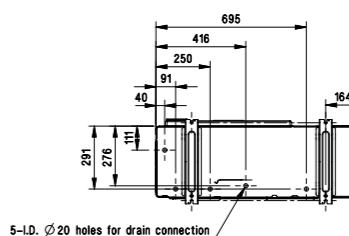
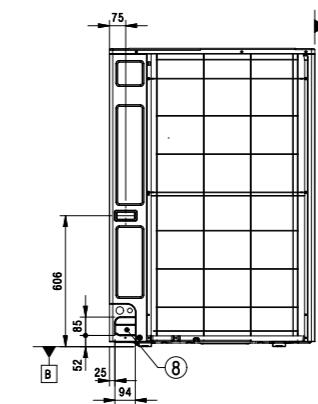
| Part Name | |
|-----------|------------------------------------|
| 1 | Air Outlet |
| 2 | Power and Communication Cable Hole |
| 3 | Gas Pipe Connection |
| 4 | Liquid Pipe Connection |
| 5 | Handle |
| 6 | Pipe Routing Hole (front) |
| 7 | Pipe Routing Hole (side) |
| 8 | Pipe Routing Hole (back) |



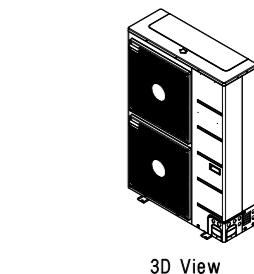
4 holes for Anchor Bolts (M10)



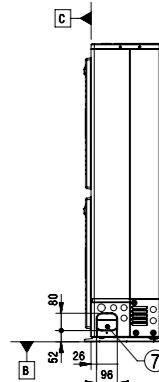
Piping connection port



5-I.D. Ø 20 holes for drain connection



3D View



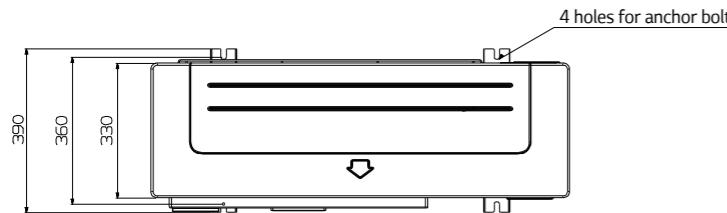
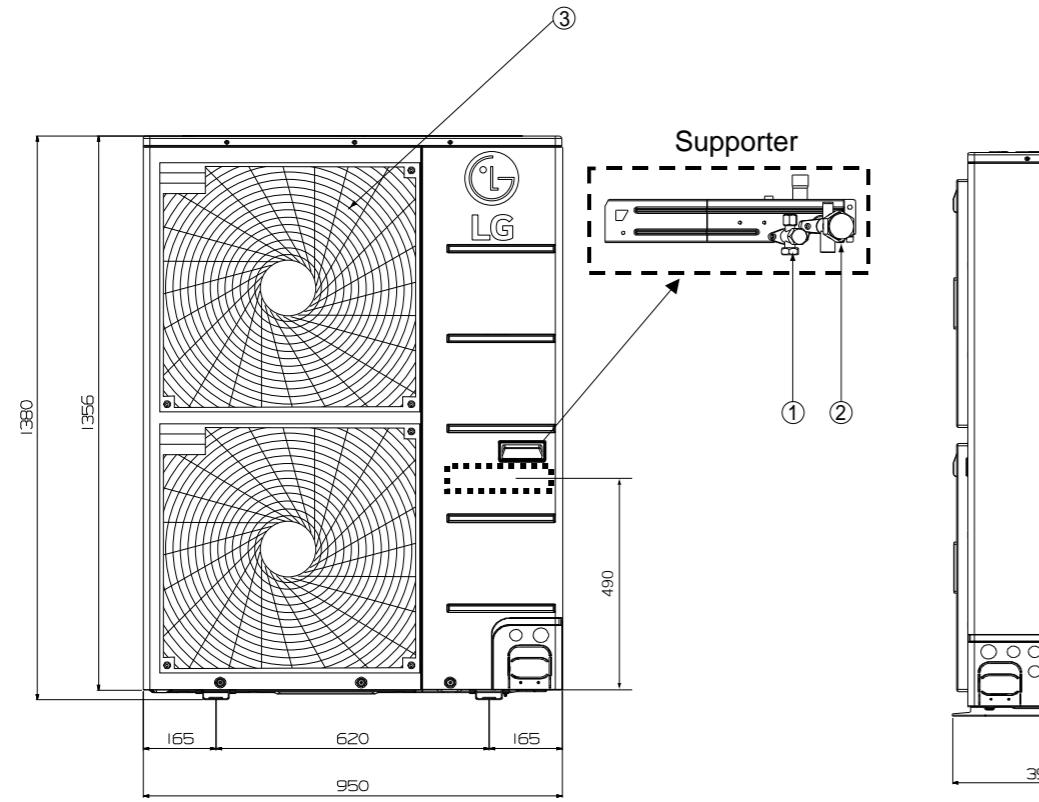
UNIVERSAL OUTDOOR

STANDARD INVERTER (R410A)

UU70W U34

(Unit : mm)

| | Part Name |
|---|---------------------------------|
| 1 | Air Discharge Grille |
| 2 | Gas Pipe Connection |
| 3 | Liquid Pipe Connection |
| 4 | Power & Transmission Connection |



UNIVERSAL OUTDOOR

STANDARD INVERTER (R410A)

UU85W U74

(Unit : mm)

| | Part Name |
|---|------------------------------------|
| 1 | Gas Piping Connection |
| 2 | Liquid Piping Connection |
| 3 | Air Inlet |
| 4 | Air Outlet |
| 5 | Drain Hole |
| 6 | Power and Communication Cable Hole |
| 7 | Power and Communication Cable Hole |
| 8 | Power and Communication Cable Hole |

