2020

AIR CONDITIONERS

2020

LG HVAC SOLUTION

AIR CONDITIONERS

LG

LG
Life's Good

LG
Life's Good

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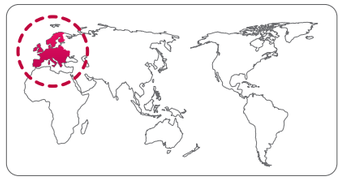
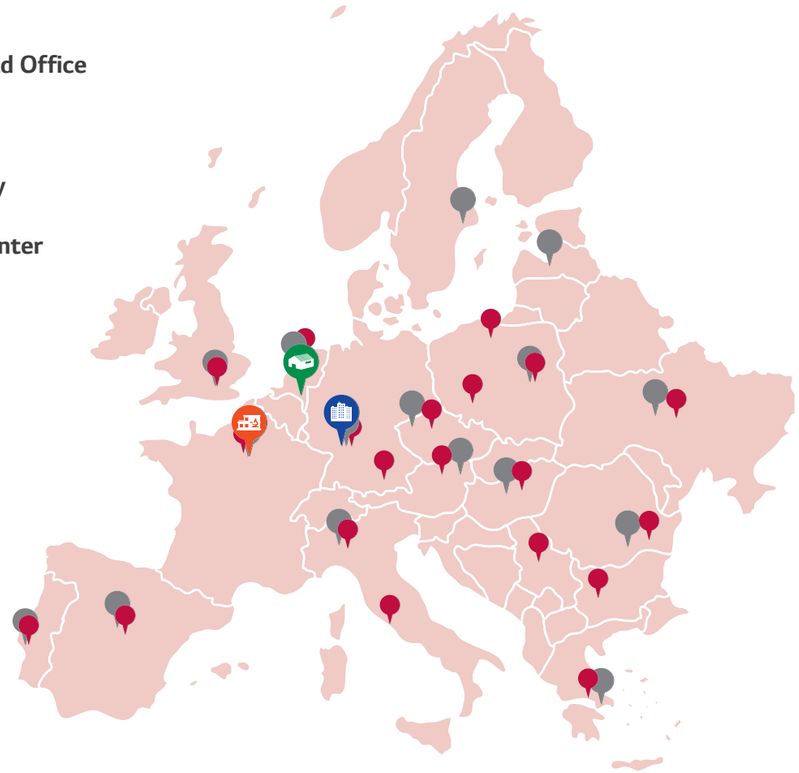
- Air Conditioning Academy
- European Distribution Center
- Europe Energy Lab
- Production Site





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.

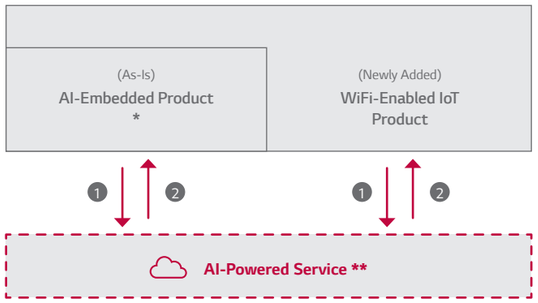
TOTAL HVAC SOLUTION PROVIDER

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 Efficiencyand Intuitive Controldeliver an elevated, more intelligent lifestyle.
LG ensures its intelligent offerings, AI-powered products and services unlock new roles for homes that can play an important role for truly smart living. Think Wise. Be Free.



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

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

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

Consumer Benefits

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

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

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

INDEX

RESIDENTIAL

WALL MOUNTED MULTI SPLIT

Anytime, Anywhere!

DUALCOOL ThinQ™

with Voice Control

Key Feature

Enhance your daily life with LG ThinQ

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

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

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

Noneedtosearchfortheremotecontrol your AC with your phone
"Where's the remote control? I don't want to move a inch from my bed!"

Voice control for a better life

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

Simple voice control, time saving & accessible to everyone

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

Step 1
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
※ Smart features and voice assistant product may vary by country and model Check with your local retailer or LG for service availability.

Don’t Worry!

Now, breathe healthily

—

DUALCOOL PURE

with Air Purification

Cooling + Heating + Air purification

365

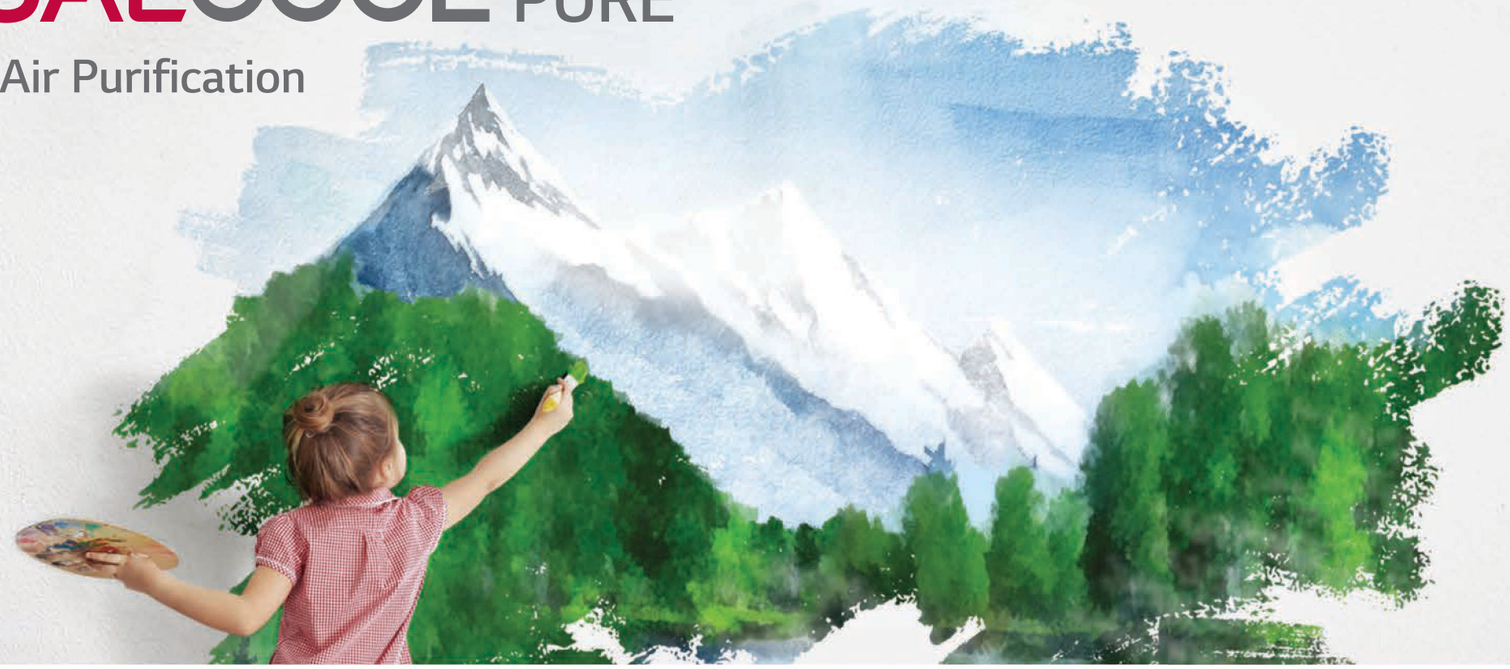
Comfort 365 days

Removes Ultrafine dust with

Ion Diffuser & Micro Dust filtering system

Real-time control & monitoring with

LG ThinQ APP



Key Feature

Air conditioner and air purifier in one

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

Step 1

PM 1.0 Auto Sensing

Detecting indoor dust concentration.

Step 2

Ion Diffuser

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

Step 3

Filtration System

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

Step 4

Display - Indoor Air Quality status

Display total IAQ. (4 colors)

※ IAQ : Indoor Air Quality

Clean Polluted

※ Formerly branded LG SmartThinQ is now LG ThinQ

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

Four seasons of breeze

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

Comfort 365 days

4-Way Swing (Indirect Air Flow)

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

6-Step Vane, Control up to 70°

5-Step Louver, Control up to 55°

Conveniently manage air quality with the LG ThinQ app

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

10-Year Inverter Compressor Warranty

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

LINE-UP

INDOOR UNIT

○ Single Split Only ○● Compatible ● Multi Split Only

MODEL		KBTU	5	7	9	12	15	18	24
		KW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
ARTCOOL	Gallery	R32 Wi-Fi NEW 			○ A09FT.NSF	○ A12FT.NSF			
	Mirror	R32 Wi-Fi 		● AM07BP.NSJ	○● AC09BQ.NSJ	○● AC12BQ.NSJ		○● AC18BQ.NSK	○● AC24BQ.NSK
	Silver	R32 Wi-Fi 			○● AC09SQ.NSJ	○● AC12SQ.NSJ		○● AC18SQ.NSK	
	Athena Extreme	R32 Wi-Fi NEW 			○ F09MT.NSM	○ F12MT.NSM			
	Pure (with Air Purification)	R32 Wi-Fi NEW 			○● AP09RT.NSJ	○● AP12RT.NSJ			
DUALCOOL	Deluxe	R32 Wi-Fi 		● DM07RP.NSJ	○● DC09RQ.NSJ	○● DC12RQ.NSJ		○● DC18RQ.NSK	○● DC24RQ.NSK
	Sirius	R32 Wi-Fi 	● PM05SP.NSJ	● PM07SP.NSJ	○● PC09SQ.NSJ	○● PC12SQ.NSJ	● PM15SP.NSJ	○● PC18SQ.NSK	○● PC24SQ.NSK
	Standard	R32 			○ S09EQ.NSJ	○ S12EQ.NSJ		○ S18EQ.NSK	○ S24EQ.NSK

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

LINE-UP

OUTDOOR UNIT

○ Single Split Only ○● Compatible ● Multi Split Only

MODEL		KBTU	9	12	14	16	18	21	24	27	30
		KW	2.6	3.5	4.1	4.7	5.3	6.2	7.0	7.9	8.8
ARTCOOL	Gallery	R32 	○ A09FT.UL2	○ A12FT.UL2							
	Mirror	R32 	○ AC09BQ.UA3	○ AC12BQ.UA3			○ AC18BQ.UL2		○ AC24BQ.U24		
	Silver	R32 	○ AC09BQ.UA3	○ AC12BQ.UA3			○ AC18BQ.UL2				
	Athena Extreme	R32 	○ F09MT.U24	○ F12MT.U24							
	Pure (with Air Purification)	R32 	○ AP09RT.UA3	○ AP12RT.UA3							
DUALCOOL	Deluxe	R32 	○ DC09RQ.UL2	○ DC12RQ.UL2			○ DC18RQ.UL2		○ DC24RQ.U24		
	Sirius	R32 	○ PC09SQ.UA3	○ PC12SQ.UA3			○ PC18SQ.UL2		○ PC24SQ.U24		
	Standard	R32 	○ S09EQ.UA3	○ S12EQ.UA3			○ S18EQ.UL2		○ S24EQ.U24		

WALL MOUNTED

ARTCOOL I Athena Extreme I DUALCOOL PURE (with Air Purification) I Deluxe I Sirius I Standard

ARTCOOL SERIES

ARTCOOL Gallery
DUAL Inverter

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

ARTCOOL Silver
DUAL Inverter

-

ARTCOOL Mirror
DUAL Inverter

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

DUALCOOL SERIES

ATHENA EXTREME
DUAL Inverter

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

DUALCOOL PURE
(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.

SIRIUS
DUAL Inverter

The LG Sirius 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

INVERTER COMPRESSOR 10 YEAR WARRANTY

				Cooling Heating	CORE TECH	SMART			ENERGY EFFICIENCY	
					Dual Inverter Compressor	Voic Control	Embedded Wi-Fi	Smart Diagnosis	Active Energy Control	Energy Display
ARTCOOL	Gallery	NEW		9k 12k	●	●	●			
	Mirror			9k 12k 18k 24k	●	●	●	●	●	●
				Only for Multi 7K[4]	●	●	●			
	Silver			9k 12k 18k	●	●	●	●	●	●
	Athena Extreme	NEW		9k 12k	●	●	●	●	●	●
	Pure (with Air Purification)	NEW		9k 12k	●	●	●	●	●	●
DUALCOOL	Deluxe			9k 12k 18k 24k	●	●	●	●	●	●
				Only for Multi 7K[4]	●	●	●			
	Sirius			9k 12k 18k 24k	●	●	●	●	●	●
				Only for Multi 5k 7K 15K[4]	●	●	●			
	Standard			9k 12k 18k 24k	●			●	●	●

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

FEATURE OVERVIEW

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

UNIQUE FEATURES

Smart

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

Energy Efficiency

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

Perfect healthcare

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

Fast Cooling & Heating

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

Extreme Durability

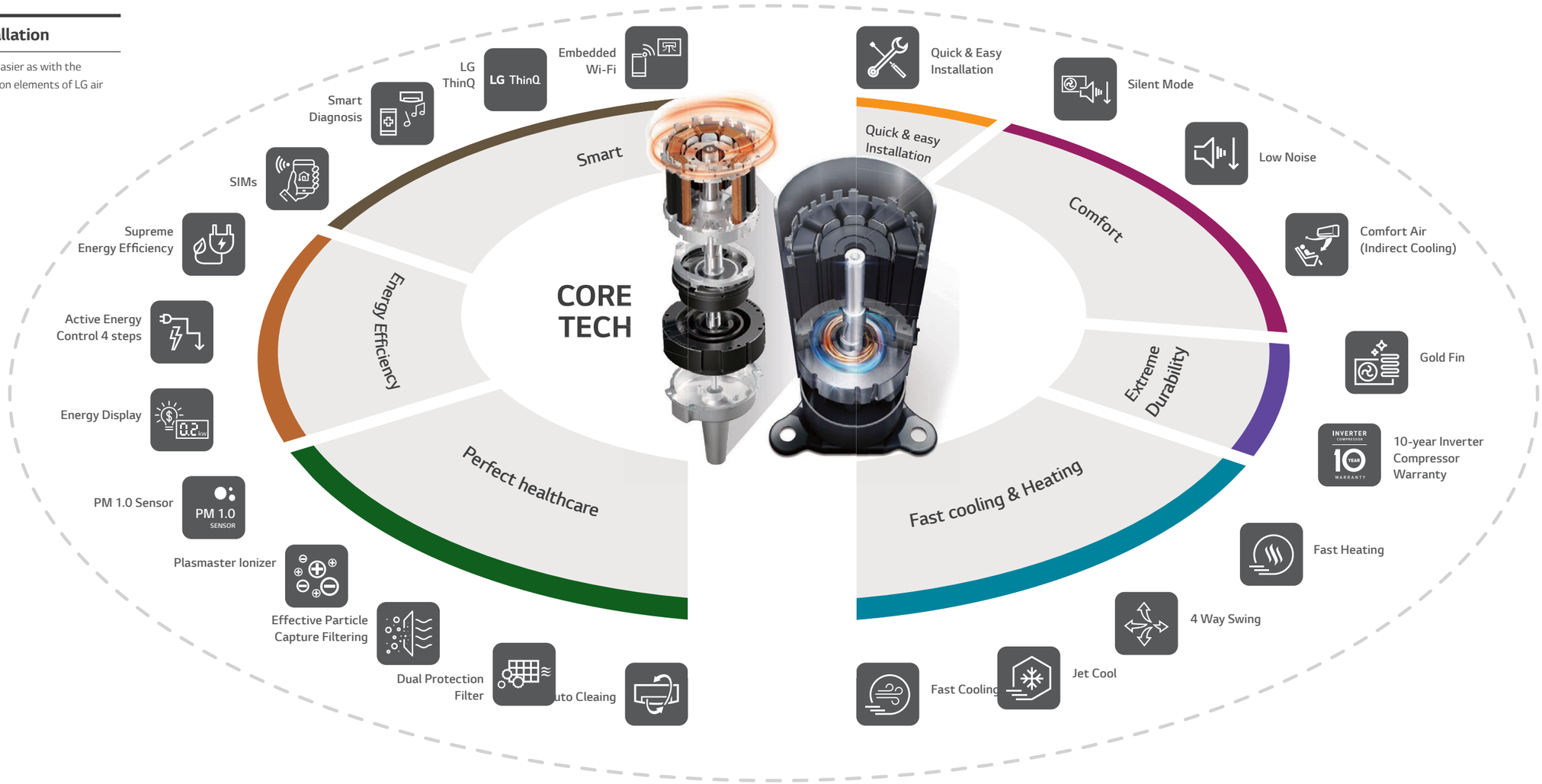
In any environmental conditions, LG's air conditioners can bring customers peace of mind through product durability.

Comfort

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

Quick & Easy Installation

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



CORE TECH

Dual Inverter Compressor

• What is the Dual Inverter Compressor?

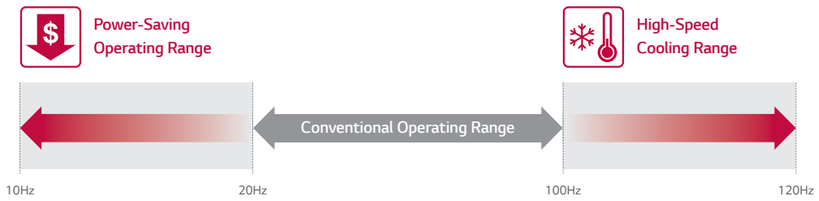
A compressor is the heart of an air conditioner, and monitoring whether it works properly, effectively, or noisily that can cause stress as well as cost more money. LG's Dual Inverter Compressor provides an effective solution, resulting in an air conditioner that cools faster, lasts longer, and operates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

• How it Works

Varied-Speed Dual Rotary

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

Dual Inverter COMPRESSOR



• Product Reliability Improvement

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

CORE TECH

R32 Refrigerant

- R32 is more environmental friendly compared to former refrigerant

• Pain Point

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

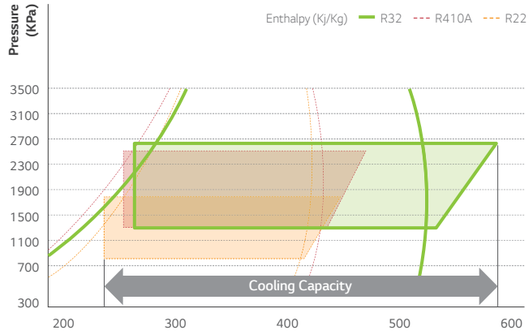
• How it Works

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

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

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

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



• Benefit

Eco-conscious refrigerants reduce environmental pollution.

SMART

Embedded Wi-Fi

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

• LG ThinQ

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

LG ThinQ

• How it Works

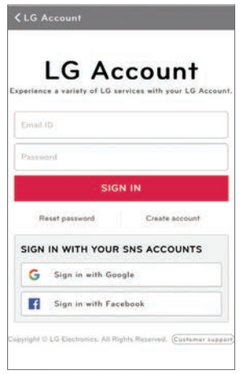
Embedded Wi-Fi modem

Enable "LG ThinQ" on your air conditioner.

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

Easy Registration and Log-in

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



Wi-Fi Connectivity

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

Multiple Devices

Multi-Control

* Can be controlled by multiple users, but not simultaneously

SMART

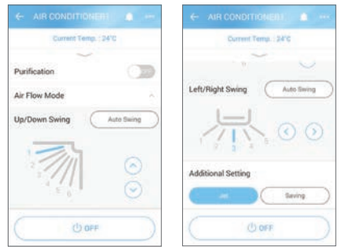
• Benefit

Simple operation for various functions

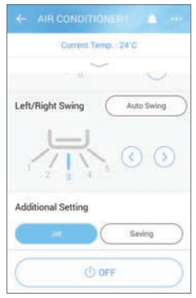
On/Off, Current Temp

Mode, Set Temp

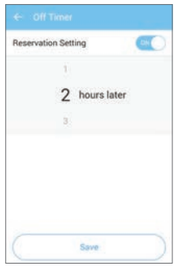
Vane Control



Straight-forward management



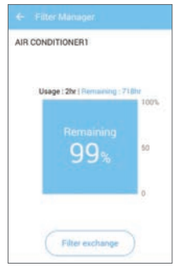
Reservation



Energy Monitoring

Smart Diagnosis

Filter Management



Integrated Home Appliances Control

Monitor and control your LG appliances from one place.

Access your air conditioner anytime and from anywhere

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

SMART

Smart Diagnosis

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

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

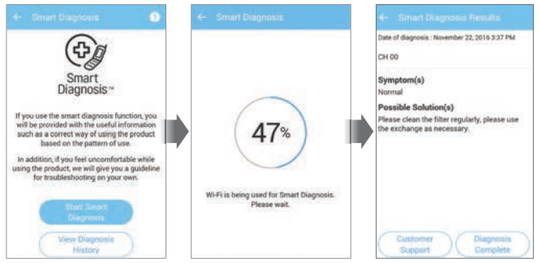
What is Smart Diagnosis?

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

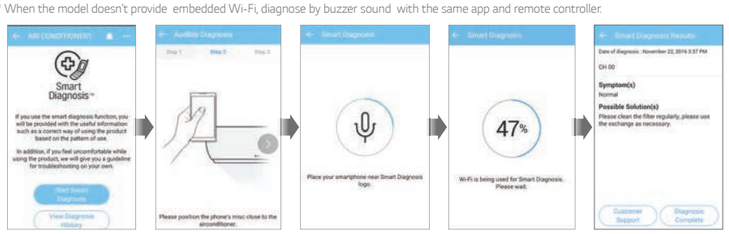
* Builds upon widespread smartphone use and offers greater USP diversification
* Perfect for consumers who are unable to view information about their air conditioner via a display or remote control.

• How it works

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



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



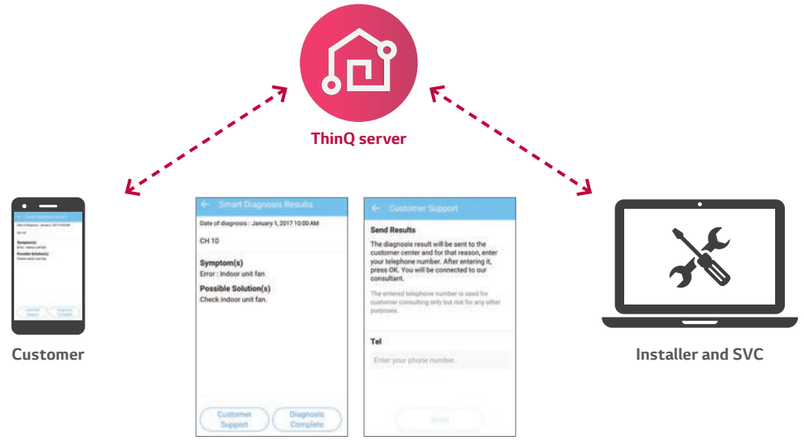
SMART

• Benefit

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

For consumer

For Installer and SVC



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

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

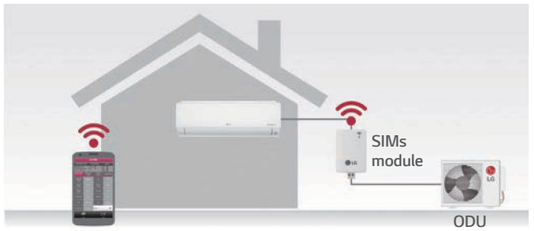
SMART

SIMs

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

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

• What is the LG SIMs?



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

* SIMs : Smart Inverter Monitoring System

• How It Works

LG SIMs

SIMS App

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

• Benefit

Easy Monitoring

Diagnose problems anytime, anywhere with a SIMs chip.

Easy Diagnosis & Quick Response

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

Main

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

Outdoor Unit

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

Indoor Unit

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

Chart

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

Certificate

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

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

SMART

Low Refrigerant Detection

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

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

• How It Works

Early Detection of Low Refrigerant Levels

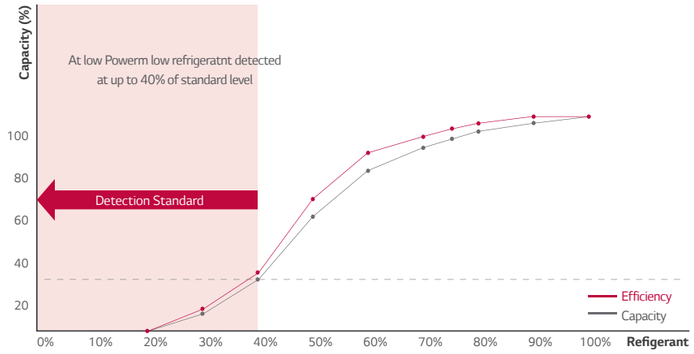
The Air Conditioner is automatically shut down when low refrigerant level is detected.

3 Checkpoints for Low Refrigerant Level :

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

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

Capacity and Effectiveness of the Refrigerant Levels



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

• Benefit

Longer Lifespan for Air Conditioner

Notify You of Low Refrigerant Levels

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

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

ENERGY EFFICIENCY

Supreme Energy Efficiency

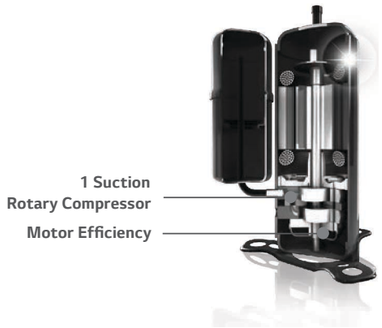
LG's revolutionary Inverter technology boasts powerful yet quiet performance while minimising energy consumption. With world-class energy efficiency, enjoy comfort as well as energy savings.

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

• High Efficient Compressor and Reversing Valve

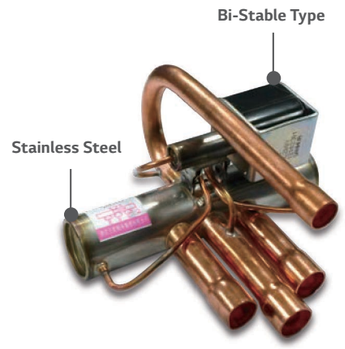
Rotary Compressor and Motor Efficiency

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



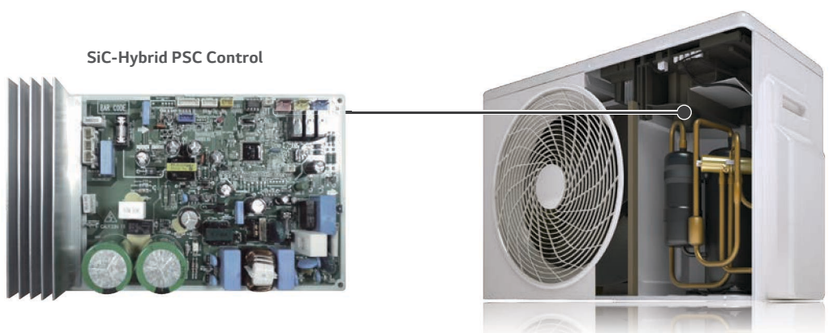
Bi-Stable Reversing Valve

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



• Improved Inverter Drive Efficiency

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



ENERGY EFFICIENCY

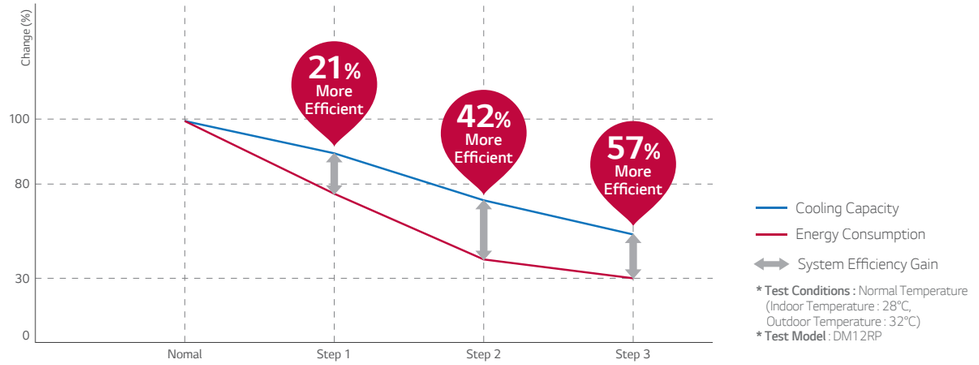
Active Energy Control 4 - Step

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

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

• Concept & Benefit

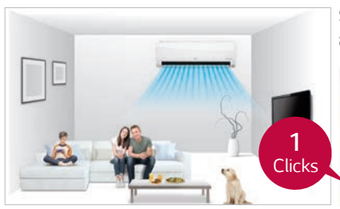
Cooling a home can come at a high cost particularly during the hot summer months.
Avoid those costs and save energy by taking advantage of LG's 4-Step Energy Control System.



• How It Works

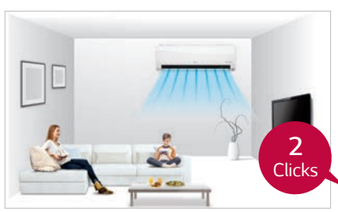
Normal.
100% energy usage

Many people and high-activity level



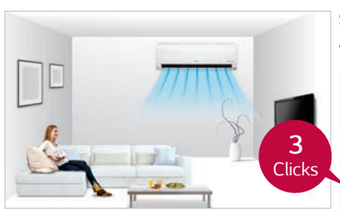
Step 1.
80% energy usage

Few people and moderate-activity levels.



Step 2.
60% energy usage

Fewer people and low-activity levels.



Step 3.
40% energy usage

Fewest people with no activity.

ENERGY EFFICIENCY

Energy Display

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

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

• How it Works

Magic Display & Remote Control

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

• Benefit

Nomal Mode

Current Setting Temp

Electric Power

Displays Current Energy Use

PERFECT HEALTHCARE

Plasmaster™ Ionizer+PLUS

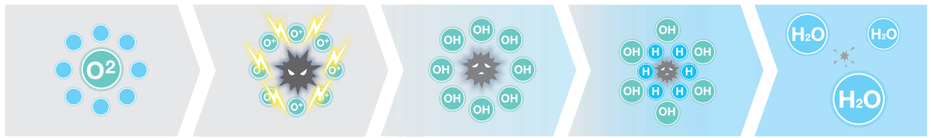
The powerful Plasmaster Ionizer protects you from bad odors and Escherichia coli and Staphylococcus in the surface with over 3 million ions to sterilize to make a safer, and cleaner environment.

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

• How It Works

Sterilization and Deodorization (Utilizes Over 3 Million Ions)

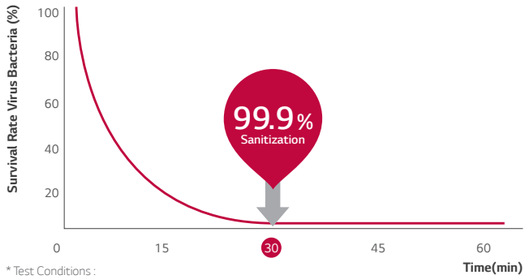
Plasmaster Ionizer+ reduces E.coli and Staphylococcus in the surface with over 3 million ions.



• Test Result

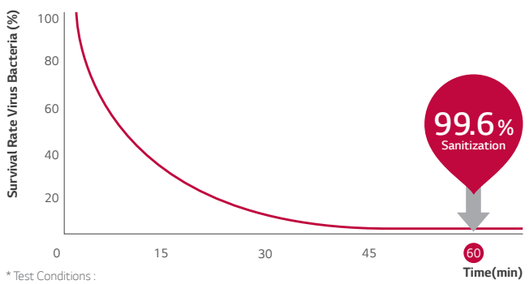
Sterilization Performance Evaluations

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



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

Sterilize staphylococcus over 99.6% in 60 min.



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

2.1 odor strength decrease in 60 minutes

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

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

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

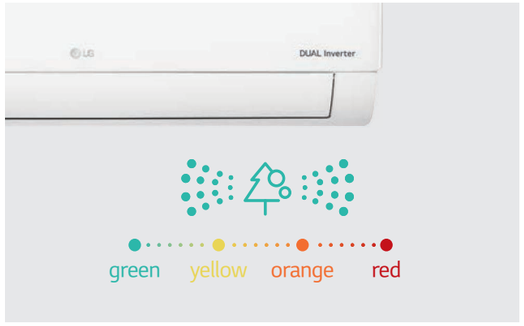
* Test conditions :
  Space : 8m³ Chamber
  Temperature & Humidify : Normal
  Tested by Intertek

PERFECT HEALTHCARE

PM 1.0 Auto Senser

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

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



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

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

① Overall cleanliness color display
② Dust size dust concentration display

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

Guide to dust particles' size

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

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

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

PERFECT HEALTHCARE

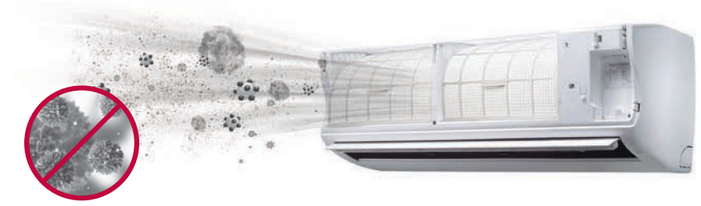
Dual Protection Filter

The Dual Protection Filter collects dust.

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

• What is the Dual Protection Filter?

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



• Additional Benefit

Easy to Open

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

Easy to Clean

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

PERFECT HEALTHCARE

Auto Cleaning

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

* Specifications may vary for each model.

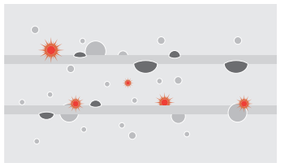
• Pain Point

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

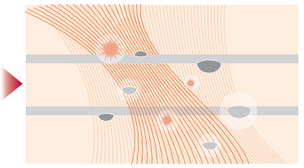
• How It Works

Cleans Filter with Regular Air Flow

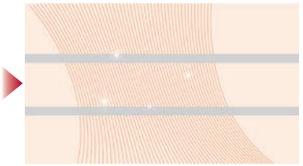
The comprehensive auto cleaning function prevents the formation of bacteria and mold on the heat exchanger, providing an enhancing environment.



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



The indoor environment remains odorless with the advanced deodorizing function.

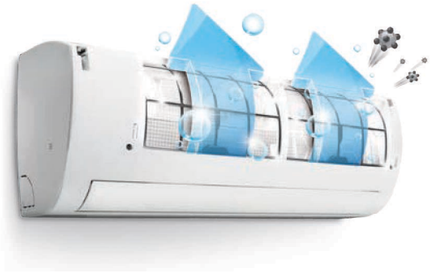


By preventing polluting of the heat exchanger caused by various germs and bacteria, the performance and life span of the air conditioner do not wither away even after a period of 10 years.

• Benefit

Removes Harmful Particles

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



Bacteria Prevention

Odor Elimination

Mold Elimination

FAST COOLING & HEATING

Fast Cooling

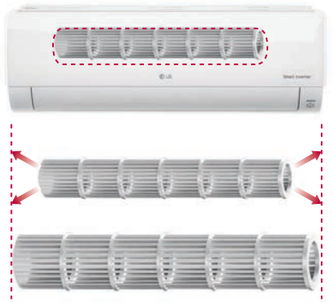
The cool airflow reaches all the corners of the room, keeping the space cool and comfortable.

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

• How It Works

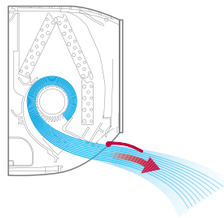
Bigger Skew Fan

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

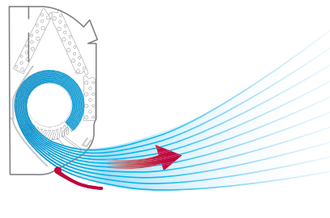


Cooling Outlet

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



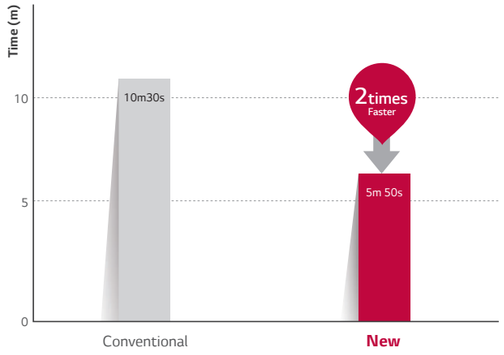
Conventional



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

Conventional	10min	20min	30min
0.1m			

New	10min	20min	30min
0.1m			

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

FAST COOLING & HEATING

Jet Cool

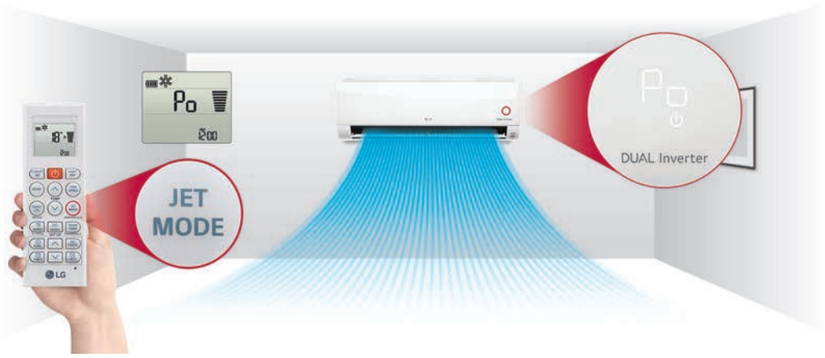
LG air conditioners provide optimized high-speed airflow, which can cool rooms faster while delivering cool air evenly in every direction.

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

• How It Works

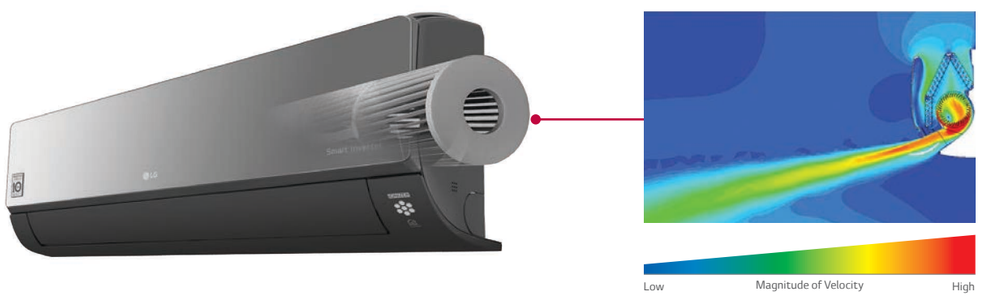
One Click "Jet Mode"

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



• More Powerful Performance

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



FAST COOLING & HEATING

4-Way Swing

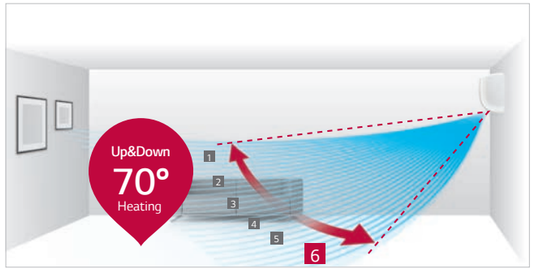
Cool air reaches out to the entire room regardless of where the air conditioner is installed

* Specifications may vary for each model.

• How It Works

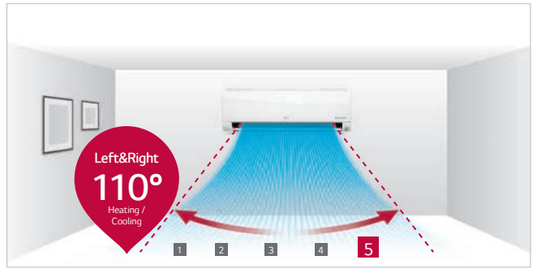
6-Step Vane, Control up to 70°

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



5-Step Louver, Control up to 55°

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

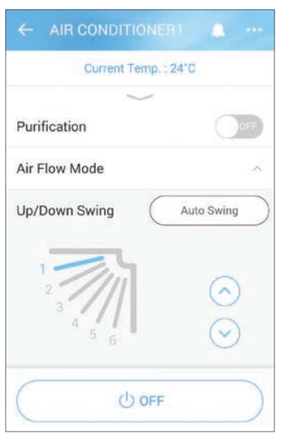


* Angle can be different from each model and working mode.

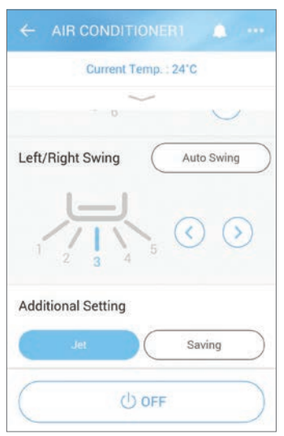
• Easy and Simple Control

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

Up/Down Swing



Left/Right Swing



FAST COOLING & HEATING

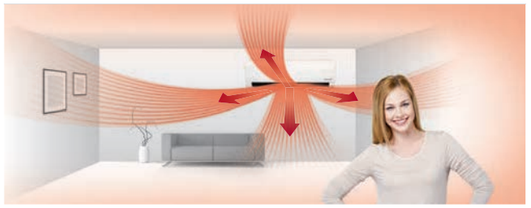
Fast Heating

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

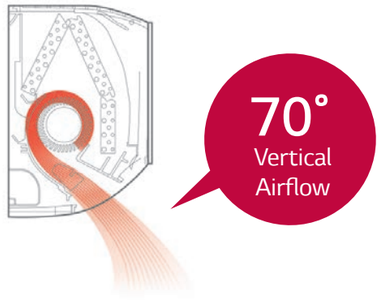
* Specifications may vary for each model.
* Depending on the experimental conditions.

• How It Works

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

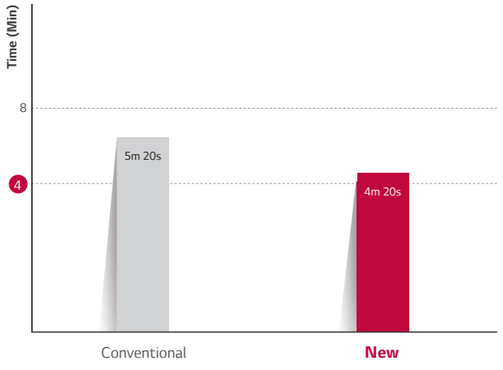


Vertical Airflow
When heating, the vane sends heated air downwards to maintain a pleasant and balanced room temperature.



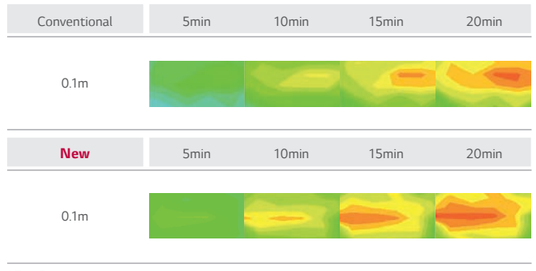
• Benefit & Test Result

22% Quick Heating



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

Changes in Temperature Over 20 Minutes



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

EXTREME DURABILITY

10-Year Inverter Compressor Warranty

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

* Specifications may vary for each model.

• What is the 10 Year Warranty?

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

• Benefit & Verification

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

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

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

Single Rotary Type　　Twin Rotary Type

EXTREME DURABILITY

Gold Fin™

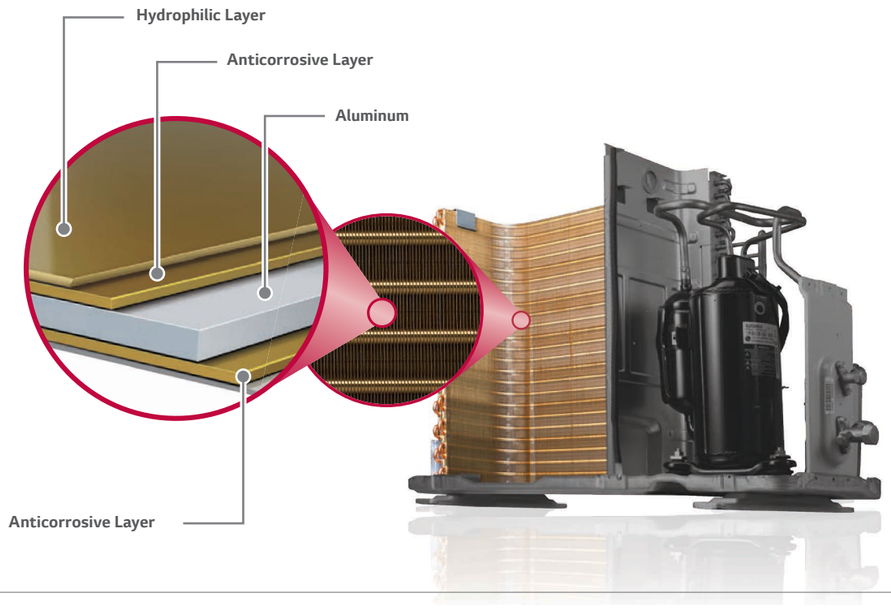
The Gold Fin™ coating protects the surface of the heat exchanger from unnecessary wear and corrosion.

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

• How It Works

Corrosion-resistant protective layer

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



• Test Result

Conventional Fin

Gold Fin™

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

COMFORT

Comfort Air (Indirect Cooling)

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

* Specifications may vary for each model.

• Concept

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

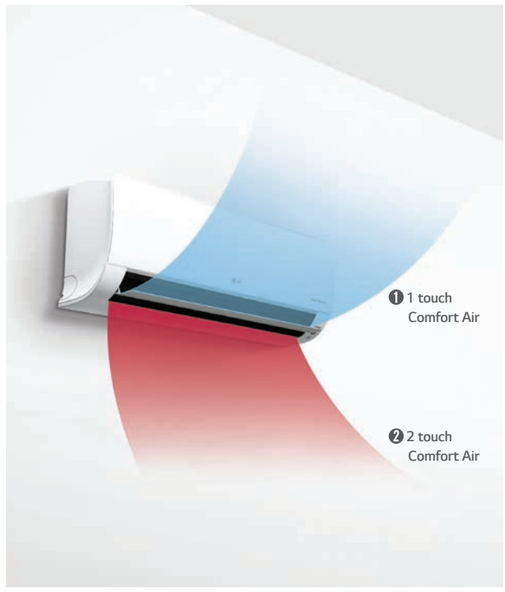
• How It Works

Control Panel

Remote Control

Comfort Vane

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



Scene 1: Inclines to a maximum 80° angle.

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

Indoor Unit Display

Remote Controller Display

Scene 2: Declines to a maximum 10° angle.

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

Indoor Unit Display

Remote Control Display

COMFORT

Low Noise

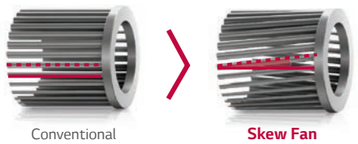
LG Air Conditioners operate at 19dB low noise level, moreover provide healthy soft air by just 1 touch.

* Specifications may vary for each model.

• How It Works

LG's Unique Skew Fan

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



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.

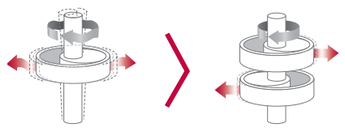
- Low Efficiency.
- Heat Problem during overhauling.
- Difficult precise speed control.

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

Advanced Motor

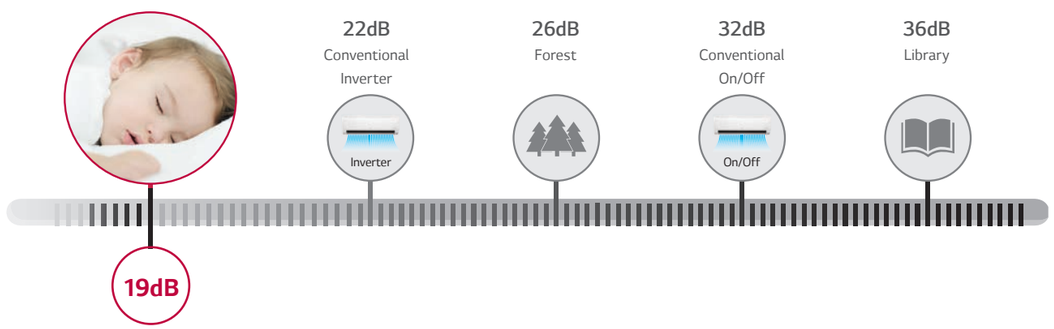
ALVC (Active Low Vibration Control)

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



40% Cut Torque Variation

• Benefit



COMFORT

Silent Mode

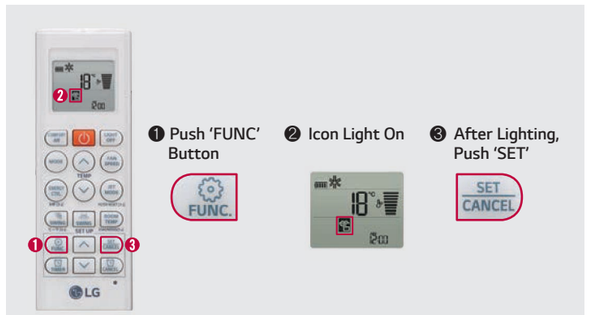
Silent mode ensures a tranquil and serene experience for the user by reducing noise disturbances while you are resting.

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

• How It Works

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

Press the Silent Button

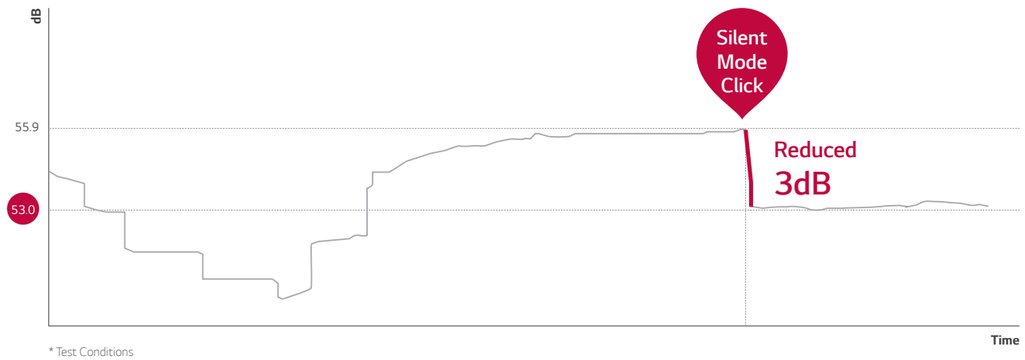


Controls the Outdoor Compressor

3dB Reduction

• 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

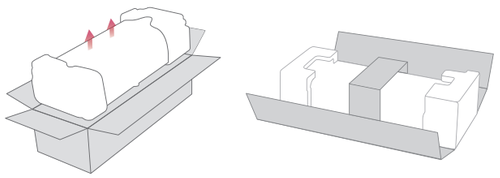
* Specifications may vary for each model.

• 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



Conventional

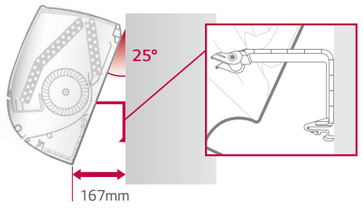
LG

Installation Plate Improvement

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

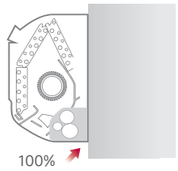
Installation Support Clip

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

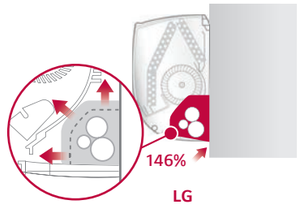


Wider Tubing Space

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



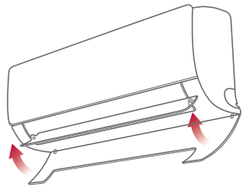
Conventional



LG

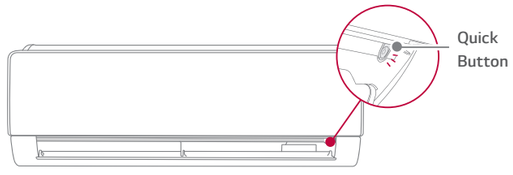
Detachable Bottom Cover

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



Quick button for running test

The test button is conveniently located and easy to find.



ARTCOOL GALLERY

R32

NEW

Dual Inverter COMPRESSOR

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

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

• Single Combination

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

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

ARTCOOL MIRROR

R32

Dual Inverter COMPRESSOR

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

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

• Single Combination

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

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

ARTCOOL SILVER

R32

Dual Inverter COMPRESSOR

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

• Single Combination

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

* This product contains Fluorinated greenhouse gases (R32).
** S : Sleep / L : Low / M : Medium / H : High
*** GWP : Global warming potential
**** t-CO_2eq : F-gas(kg)*GWP/1000
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ATHENA EXTREME

R32

NEW

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• Single Combination

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

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

DUALCOOL PURE (With Air Purification)

R32

NEW

Dual Inverter COMPRESSOR

EUROVENT CERTIFIED PERFORMANCE

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

- Embedded Wi-Fi
- Active Energy Control
- Energy Display
- Auto Cleaning
- Ultra Dust Sensing (PM 1.0)
- Silence Mode
- Jet Cool
- 4 Way Swing
- Fast Heating
- Gold Fin™
- Comfort Air
- Quick & Easy Installation

• Single Combination

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

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

DELUXE

R32

Dual Inverter COMPRESSOR

EUROVENT CERTIFIED PERFORMANCE

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

- Embedded Wi-Fi
- Smart Diagnosis
- Active Energy Control
- Energy Display
- Plasmaster Ionizer^{Plus}
- Plasmaster Auto Cleaning
- Jet Cool
- 4 Way Swing
- Fast Heating
- Gold Fin™
- Comfort Air
- Low Noise 19dB (9k, 12k)
- Silence Mode
- Quick & Easy Installation

• Single Combination

UNIT				9K	12K	18K	24K
INDOOR				DC09RQ NSJ	DC12RQ NSJ	DC18RQ NSK	DC24RQ NSK
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4040	900 / 5000 / 5500	900 / 6600 / 7420
	Heating	Min / Rated / Max	W	890 / 3200 / 5000	890 / 4000 / 6000	900 / 5800 / 6400	900 / 7500 / 8640
	Heating -7°C	Rated	W	3200	3500	4200	6000
Power Input	Cooling	Rated	W	572	933	1562	2164
	Heating	Rated	W	711	976	1611	2238
EER			W/W	4.37	3.75	3.20	3.05
S.E.E.R.				7.9	7.6	7.0	6.9
P design C			kW	2.5	3.5	5.0	6.6
COP			W/W	4.5	4.1	3.60	3.35
S.C.O.P. (Average / Warmer)				4.6 / 5.4	4.6 / 5.4	4.3 / 5.3	4.3 / 5.3
P design H (Average / Warmer)			kW	2.8 / 1.5	2.9 / 1.5	3.9 / 2.1	5.0 / 2.7
Energy Label (A+++ to D Scale)	Cooling			A++	A++	A++	A++
	Heating (Average / Warmer)			A++ / A+++	A++ / A+++	A+ / A+++	A+ / A+++
Annual Energy Consumption	Cooling		kWh	111	161	250	335
	Heating (Average / Warmer)		kWh	852 / 389	883 / 389	1270 / 555	1628 / 713
Sound Pressure	Cooling	S / L / M / H	dBA	19 / 27 / 37 / 42	19 / 27 / 37 / 42	31 / 34 / 39 / 44	31 / 34 / 42 / 47
	Heating	L / M / H	dBA	27 / 37 / 42	27 / 37 / 42	34 / 39 / 44	34 / 42 / 47
Sound Power	Cooling	Power	dBA	60	60	60	65
Air Flow Rate	Cooling	S / L / M / H	m^3/min	3.5 / 5.5 / 9.0 / 11.0	3.5 / 5.5 / 9.0 / 11.0	80 / 105 / 130 / 145	80 / 105 / 131 / 161
		Max (Power)	m^3/min	13.0	13.0	15.5	20.0
	Heating	L / M / H	m^3/min	6.5 / 9.0 / 11.0	6.5 / 9.0 / 11.0	11.0 / 13.5 / 16.0	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
Running Current	Cooling	Rated	A	2.5	4.0	6.9	9.8
		Max	A	6.0	6.0	9.0	14.0
	Heating	Rated	A	3.2	4.3	7.1	10.4
		Max	A	7.0	7.0	9.5	14.0
Starting Current	Cooling / Heating	Rated	A	2.5 / 3.2	4.0 / 4.3	6.9 / 7.1	9.8 / 10.4
Power Supply			Ø/V/Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm^2	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable			N x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	9.1	9.1	11.9	12.7
Fan Motor Output			W	30	30	30	60
OUTDOOR				**DC09RQ UL2**	**DC12RQ UL2**	**DC18RQ UL2**	**DC24RQ U24**
Operation Range	Cooling	Min/Max	°CDB	-15 / 48	-15 / 48	-15 / 48	-15 / 48
	Heating	Min/Max	°CDB	-15 / 24	-15 / 24	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	49	49	53	54
	Heating	High	dBA	51	51	55	57
Sound Power	Cooling	High	dBA	65	65	65	70
Air Flow Rate	Cooling	High	m^3/min	35	35	35	50
Piping	Length (Odu/Idu)	Min/Max	m	3 / 20	3 / 20	3 / 20	3 / 30
	Elevation (Odu/Idu)	Max	m	10	10	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)
Refrigerant	Type			R32	R32	R32	R32
	Charge at 7.5m		kg	0.800	0.800	1.000	1.100
			t-CO_2 eq	0.540	0.540	0.675	0.743
	Additional charge		g/m	20	20	20	20
	GWP			675	675	675	675
Fan Motor Output			W	43	43	43	85
Compressor Type				Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Net Weight			kg	34.1	34.1	34.4	46.0
Dimension			mm	770 x 545 x 288	770 x 545 x 288	770 x 545 x 288	870 x 650 x 330

* This product contains Fluorinated greenhouse gases (R32).
** S : Sleep / L : Low / M : Medium / H : High
*** GWP : Global warming potential
**** t-CO_2eq : F-gas(kg)*GWP/1000
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SIRIUS

R32

Dual Inverter COMPRESSOR

EUROVENT CERTIFIED PERFORMANCE

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

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

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

• Single Combination

UNIT				9K	12K	18K	24K
INDOOR				PC09SQ NSJ	PC12SQ NSJ	PC18SQ NSK	PC24SQ NSK
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4040	900 / 5000 / 5500	900 / 6600 / 7420
	Heating	Min / Rated / Max	W	890 / 3300 / 4100	890 / 4000 / 5100	900 / 5800 / 6400	900 / 7500 / 8640
	Heating -7°C	Rated	W	2600	3000	4200	6000
Power Input	Cooling	Rated	W	656	1080	1562	2164
	Heating	Rated	W	800	1050	1611	2238
EER			W / W	3.81	3.24	3.20	3.05
S.E.E.R.				7.0	6.6	7.0	6.9
P design C			kW	2.5	3.5	5.0	6.6
COP			W / W	4.13	3.81	3.60	3.35
S.C.O.P. (Average / Warmer)				4.0 / 4.9	4.0 / 4.9	4.3 / 5.3	4.3 / 5.3
P design H (Average / Warmer)			kW	2.5 / 1.3	2.5 / 1.3	3.9 / 2.1	5.0 / 2.7
Energy Label	Cooling			A++	A++	A++	A++
(A+++ to D Scale)	Heating (Average / Warmer)			A+ / A++	A+ / A++	A+ / A+++	A+ / A+++
Annual Energy	Cooling		kWh	125	186	250	335
Consumption	Heating (Average / Warmer)		kWh	875 / 371	875 / 371	1270 / 555	1628 / 713
Sound Pressure	Cooling	S / L / M / H	dBA	19 / 27 / 35 / 41	19 / 27 / 35 / 41	31 / 34 / 39 / 44	31 / 34 / 42 / 47
	Heating	L / M / H	dBA	27 / 35 / 41	27 / 35 / 41	34 / 39 / 44	34 / 42 / 47
Sound Power	Cooling	Power	dBA	59	59	60	65
Air Flow Rate	Cooling	S / L / M / H	m^3 / min	3.0 / 4.2 / 7.5 / 10.0	3.0 / 4.2 / 7.5 / 10.0	80 / 105 / 130 / 145	80 / 105 / 131 / 161
		Max (Power)	m^3 / min	12.5	12.5	15.5	20.0
	Heating	L / M / H	m^3 / min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0	11.0 / 13.5 / 16.0	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
Running Current	Cooling	Rated	A	3.3	4.7	6.9	9.8
		Max	A	6.0	6.0	9.0	14.0
	Heating	Rated	A	4.0	4.7	7.1	10.4
		Max	A	7.0	7.0	9.5	14.0
Starting Current	Cooling / Heating	Rated	A	3.3 4.0	4.7 4.7	6.9 7.1	9.8 / 10.4
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm^2	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable			N x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	8.7	8.7	11.9	12.7
Fan Motor Output			W	30	30	30	60
OUTDOOR				**PC09SQ UA3**	**PC12SQ UA3**	**PC18SQ UL2**	**PC24SQ U24**
Operation Range	Cooling	Min / Max	°CDB	-10 / 48	-10 / 48	-15 / 48	-15 / 48
	Heating	Min / Max	°CDB	-10 / 24	-10 / 24	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	48	48	53	54
	Heating	High	dBA	50	50	55	57
Sound Power	Cooling	High	dBA	65	65	65	70
Air Flow Rate		High	m^3 / min	27	27	35	50
Piping	Length (Odu / Idu)	Min / Max	m	3 / 15	3 / 15	3 / 20	3 / 30
	Elevation (Odu / Idu)	Max	m	7	7	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)
Refrigerant	Type			R32	R32	R32	R32
	Charge at 7.5m		kg	0.700	0.700	1.000	1.100
			t-CO_2 eq	0.473	0.473	0.675	0.743
	Additional charge		g/m	20	20	20	20
	GWP			675	675	675	675
Fan Motor Output			W	43	43	43	85
Compressor Type				Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Net Weight			kg	25.1	25.1	34.4	46.0
Dimension			mm	717 x 495 x 230	717 x 495 x 230	770 x 545 x 288	870 x 650 x 330

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

STANDARD

R32

Dual Inverter COMPRESSOR

EUROVENT CERTIFIED PERFORMANCE

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

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

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

• Single Combination

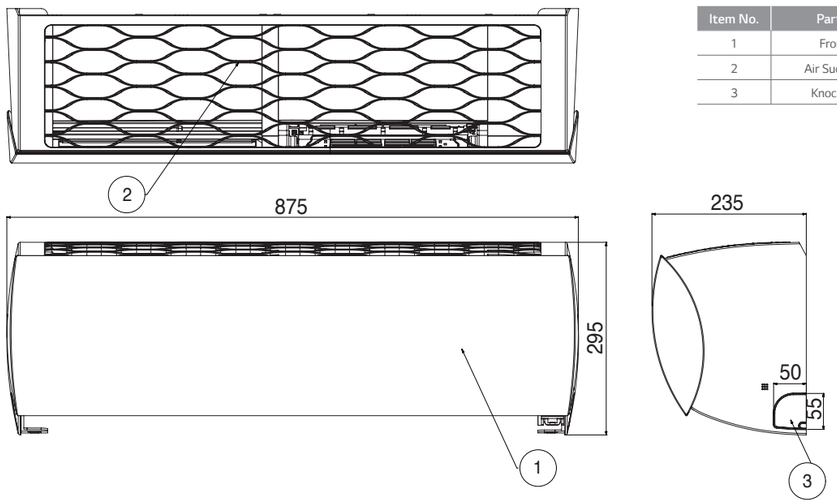
UNIT				9K	12K	18K	24K
INDOOR				S09EQ NSJ	S12EQ NSJ	S18EQ NSK	S24EQ NSK
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4040	900 / 5000 / 5500	900 / 6600 / 7420
	Heating	Min / Rated / Max	W	890 / 3300 / 4100	890 / 4000 / 5100	900 / 5800 / 6400	900 / 7500 / 8640
	Heating -7°C	Rated	W	2600	3000	4200	6000
Power Input	Cooling	Rated	W	656	1080	1562	2164
	Heating	Rated	W	800	1050	1611	2238
EER			W / W	3.81	3.24	3.20	3.05
S.E.E.R.				7.0	6.6	7.0	6.9
P design C			kW	2.5	3.5	5.0	6.6
COP			W / W	4.13	3.81	3.60	3.35
S.C.O.P. (Average / Warmer)				4.0 / 4.9	4.0 / 4.9	4.3 / 5.3	4.3 / 5.3
P design H (Average / Warmer)			kW	2.5 / 1.3	2.5 / 1.3	3.9 / 2.1	5.0 / 2.7
Energy Label	Cooling			A++	A++	A++	A++
(A+++ to D Scale)	Heating (Average / Warmer)			A+ / A++	A+ / A++	A+ / A+++	A+ / A+++
Annual Energy	Cooling		kWh	125	186	250	335
Consumption	Heating (Average / Warmer)		kWh	875 / 371	875 / 371	1270 / 555	1628 / 713
Sound Pressure	Cooling	S / L / M / H	dBA	19 / 27 / 35 / 41	19 / 27 / 35 / 41	31 / 34 / 39 / 44	31 / 34 / 42 / 47
	Heating	L / M / H	dBA	27 / 35 / 41	27 / 35 / 41	34 / 39 / 44	34 / 42 / 47
Sound Power	Cooling	Power	dBA	59	59	60	65
Air Flow Rate	Cooling	S / L / M / H	m^3 / min	3.0 / 4.2 / 7.5 / 10.0	3.0 / 4.2 / 7.5 / 10.0	80 / 105 / 130 / 145	80 / 105 / 131 / 161
		Max (Power)	m^3 / min	12.5	12.5	15.5	20.0
	Heating	L / M / H	m^3 / min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0	11.0 / 13.5 / 16.0	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
Running Current	Cooling	Rated	A	3.3	4.7	6.9	9.8
		Max	A	6.0	6.0	9.0	14.0
	Heating	Rated	A	4.0	4.7	7.1	10.4
		Max	A	7.0	7.0	9.5	14.0
Starting Current	Cooling / Heating	Rated	A	3.3 / 4.0	4.7 / 4.7	6.9 7.1	9.8 / 10.4
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm^2	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable			N x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	8.7	8.7	11.9	12.7
Fan Motor Output			W	30	30	30	60
OUTDOOR				**S09EQ UA3**	**S12EQ UA3**	**S18EQ UL2**	**S24EQ U24**
Operation Range	Cooling	Min / Max	°CDB	-10 / 48	-10 / 48	-15 / 48	-15 / 48
	Heating	Min / Max	°CDB	-10 / 24	-10 / 24	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	48	48	53	54
	Heating	High	dBA	50	50	55	57
Sound Power	Cooling	High	dBA	65	65	65	70
Air Flow Rate		High	m^3 / min	27	27	35	50
Piping	Length (Odu / Idu)	Min / Max	m	3 / 15	3 / 15	3 / 20	3 / 30
	Elevation (Odu / Idu)	Max	m	7	7	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)
Refrigerant	Type			R32	R32	R32	R32
	Charge at 7.5m		kg	0.700	0.700	1.000	1.100
			t-CO_2 eq	0.473	0.473	0.675	0.743
	Additional charge		g/m	20	20	20	20
	GWP			675	675	675	675
Fan Motor Output			W	43	43	43	85
Compressor Type				Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Net Weight			kg	25.1	25.1	34.4	46.0
Dimension			mm	717 x 495 x 230	717 x 495 x 230	770 x 545 x 288	870 x 650 x 330

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

INDOOR UNIT

F09MT.NSM / F12MT.NSM

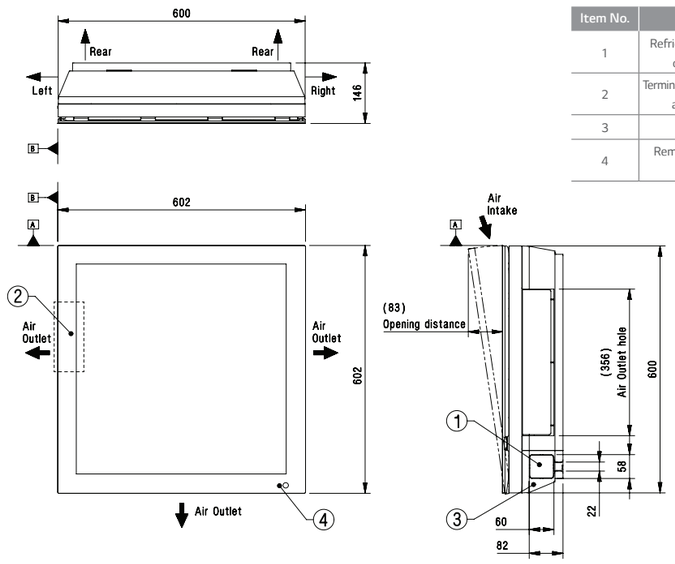
(Unit: mm)



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

A09FT.NSF / A12FT.NSF

(Unit : mm)

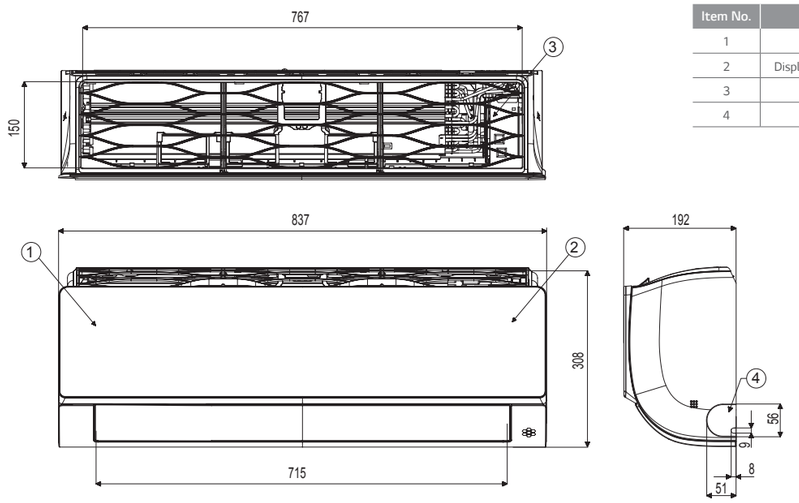


Item No.	Part Name	Description
1	Refrigerant/Drain pipe and cable routing hole	Knock-out type
2	Terminal Block for Power supply and communication	inside of front panel
3	Corner Cover	-
4	Remote Controller Signal Receiver	for wireles type

INDOOR UNIT

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

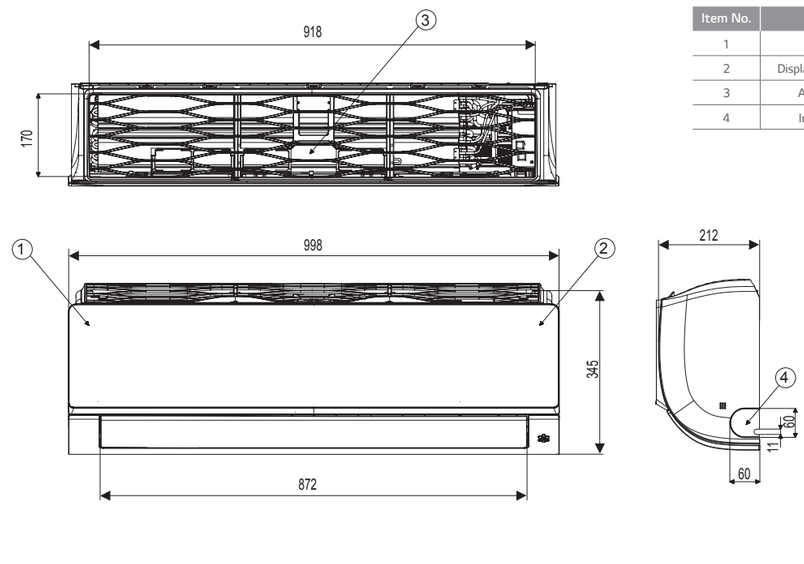
(Unit : mm)



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

AC18BQ.NSK / AC24BQ.NSK / AC18SQ.NSK

(Unit : mm)



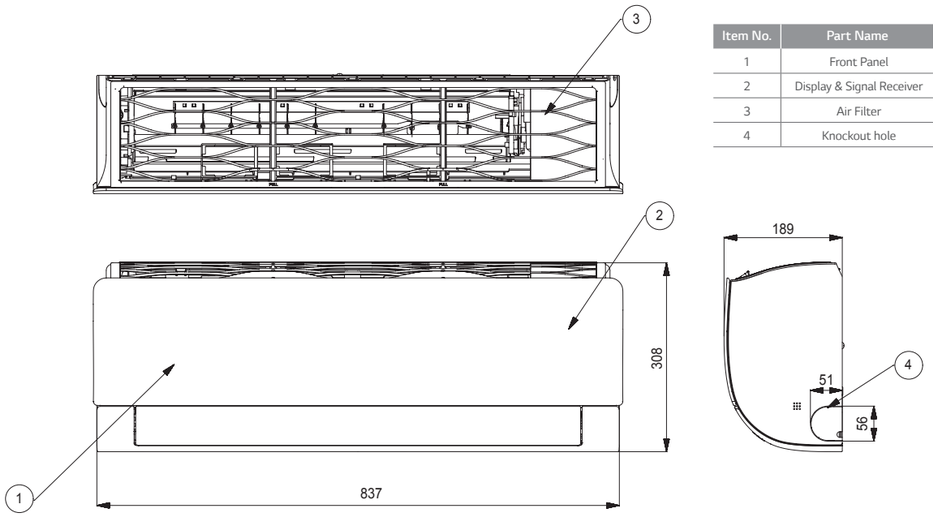
Item No.	Part Name	Remark
1	Front Panel	
2	Display & Signal Receiver	
3	Air Suction Filter	
4	Installation Plate	

INDOOR UNIT

DC09RQ.NSJ / DC12RQ.NSJ / PC09SQ.NSJ / PC12SQ.NSJ / S09EQ.NSJ / S12EQ.NSJ

(Unit : mm)

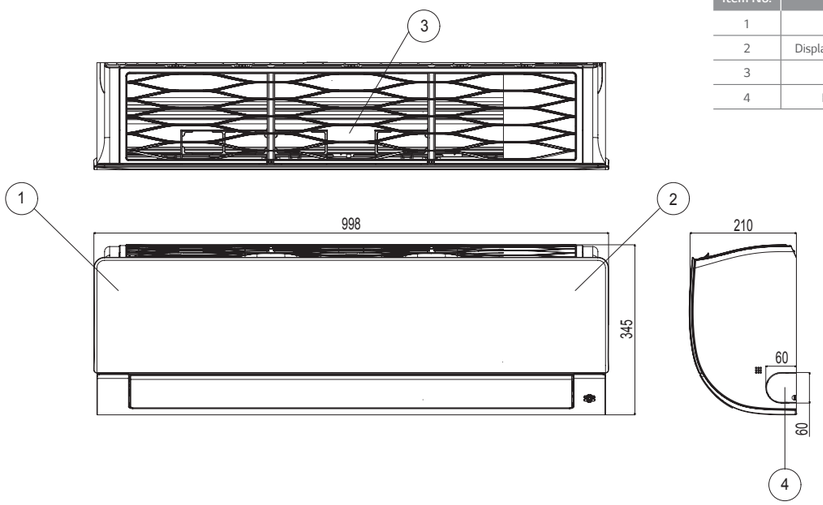
Item No.	Part Name	Remark
1	Front Panel	
2	Display & Signal Receiver	Hidden
3	Air Filter	
4	Knockout hole	For pipe and cable



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

(Unit : mm)

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

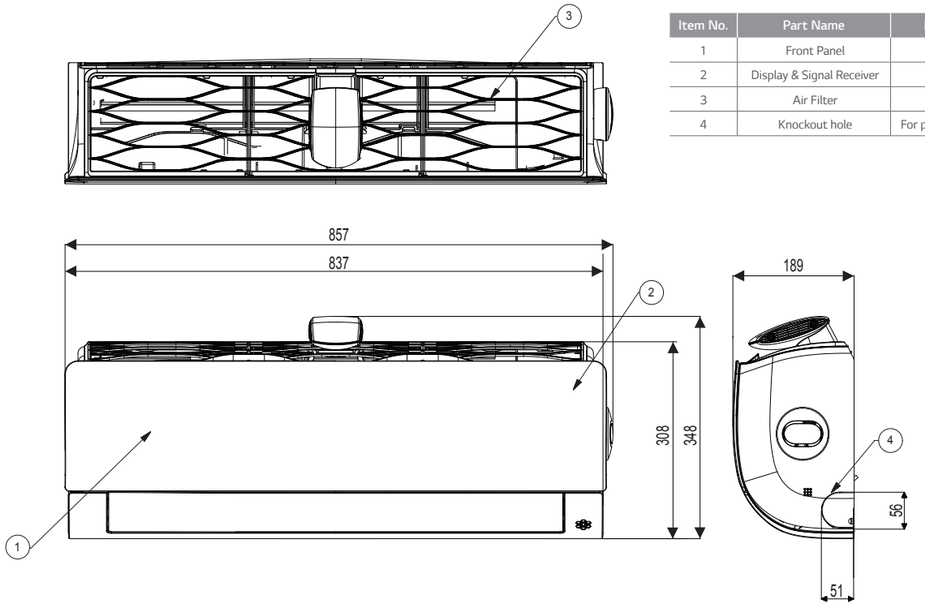


INDOOR UNIT

AP09RT.NSJ / AP12RT.NSJ

(Unit : mm)

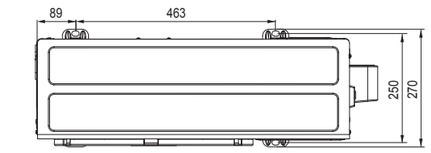
Item No.	Part Name	Remark
1	Front Panel	
2	Display & Signal Receiver	Hidden
3	Air Filter	
4	Knockout hole	For pipe and cable

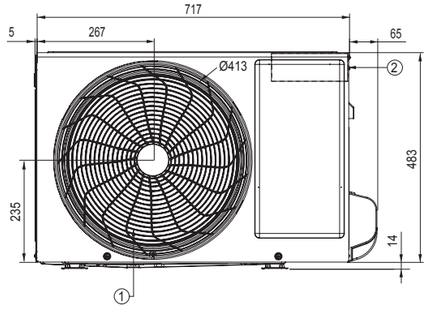


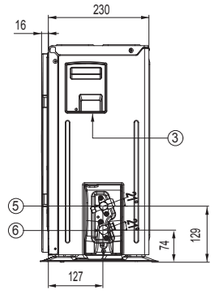
OUTDOOR UNIT

AC09BQ.UA3 / AC12BQ.UA3 / AC09SQ.UA3 / AC12SQ.UA3 / PC09SQ.UA3 / PC12SQ.UA3 / S09EQ.UA3 / S12EQ.UA3 / AP09RT.UA3 / AP12RT.UA3

(Unit: mm)



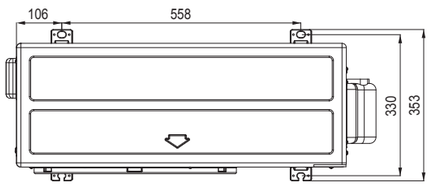


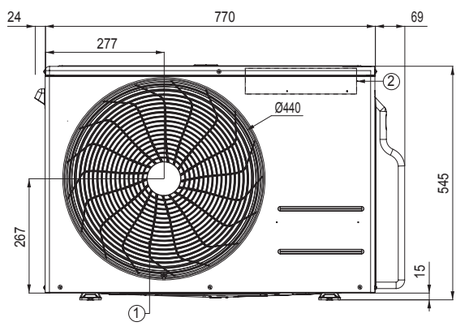


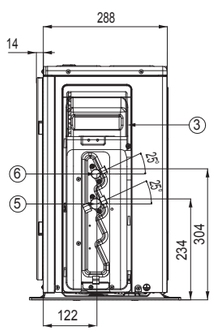
Item No.	Part Name
1	Air Outlet
2	Control Box
3	Power and Communication Cable Hole
4	Service Valve Cover
5	Gas Pipe Connection
6	Liquid Pipe Connection

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

(Unit: mm)





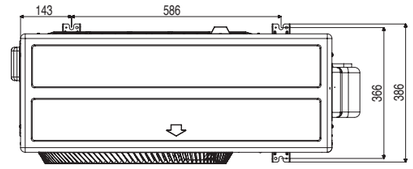


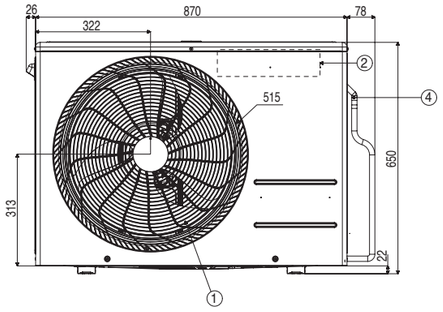
Item No.	Part Name
1	Air Outlet
2	Control Box
3	Power and Communication Cable Hole
4	Service Valve Cover
5	Gas Pipe Connection
6	Liquid Pipe Connection

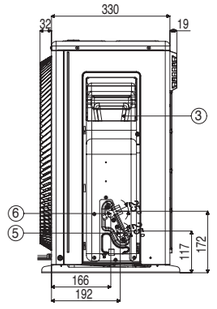
OUTDOOR UNIT

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

(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	ATHENA EXTREME	PURE / DELUXE	SIRIUS	STANDARD
Wired Remote Controller	5k					Y	
	7k		Y		Y	Y	-
	9k	-	Y	Y	Y	Y	-
	12k	-	Y	Y	Y	Y	-
	15k					Y	
	18k		Y		Y	Y	-
	24k		Y		Y	Y	-
PI 485	5k					-	
	7k		-		Y*	-	-
	9k	Y	-	-	Y*	-	-
	12k	Y	-	-	Y*	-	-
	15k					-	
	18k		-		Y*	-	-
	24k		-		Y*	-	-
Dry Contact	5k					Y	
	7k		Y		Y	Y	-
	9k	Y	Y	Y	Y	Y	-
	12k	Y	Y	Y	Y	Y	-
	15k					Y	
	18k		Y		Y	Y	-
	24k		Y		Y	Y	-

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

Standard Wired Remote Control

• **Standard III**

PREMTB100 PREMTB10

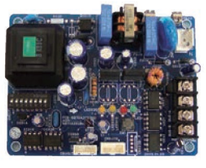
• **Standard II**

PREMTB001 PREMTB01

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

※ Refer to each model PDB for applicable models.

PI 485



PMNFP14A1

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

ACCESSORIES

Dry Contact

PDRYCB000

PDRYCB400

PDRYCB300

PDRYCB500

※ Refer to each product PDB for applicable models

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

Remote Control

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

BUTTON	DISPLAY SCREEN	DESCRIPTION
	-	To turn On / Off the air conditioner.
TEMP		To adjust the desired room temperature in cooling, heating or auto changeover mode.
COMFORT AIR		To adjust the air flow to deflect wind.
LIGHT OFF	-	To set the brightness of the display on the indoor unit.
MODE		To select the cooling mode.
		To select the heating mode.
		To select the dehumidification mode.
		To select the fan mode.
		To select the auto changeover / auto operation mode.
FAN SPEED		To adjust the fan speed.
ENERGY CTRL.		To bring the effect of the power saving.
JET MODE		To change room temperature quickly.
SWING SWING		To adjust the air flow direction vertically or horizontally.
ROOM TEMP		To display the room temperature.
℃ ↔ ℉[5sec]		To change unit between °C and °F.
SET/ CANCEL	-	To set / cancel the functions and timer.
	-	To adjust time.
TIMER	-	To turn on / off air conditioner automatically.
CANCEL	-	To cancel the timer settings.

MULTI SPLIT

LINE - UP

R32 INDOOR / OUTDOOR UNIT

○ Single Only ○● Compatible ● Multi Only

KBTU/H			5	7	9	12	15	18	24
KW			1.5	2.1	2.6	3.5	4.2	5.3	7.0
Wall Mounted Unit	ARTCOOL 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	
	Pure (with Air Purification)	 NEW			AP09RT.NSJ	AP12RT.NSJ			
	Deluxe			● DM07RP.NSJ	○● DC09RQ.NSJ	○● DC12RQ.NSJ		○● DC18RQ.NSK	○● DC24RQ.NSK
	Sirius		● PM05SP.NSJ	● PM07SP.NSJ	○● PC09SQ.NSJ	○● PC12SQ.NSJ	● PM15SP.NSJ	○● PC18SQ.NSK	○● PC24SQ.NSK
			● MJ05PC.NSJ	● MJ07PC.NSJ	● MJ09PC.NSJ	● MJ12PC.NSJ	● MJ15PC.NSJ	● MJ18PC.NSK	● MJ24PC.NSK
Ceiling Mounted Cassette	1 Way Cassette				● MT09R.NU1	● MT11R.NU1			
	4 Way Cassette	 NEW	● MT06R.NR0	● MT08R.NR0	○● CT09F.NR0	○● CT12F.NR0		○● CT18F.NQ0	○● CT24F.NB0
Ceiling Concealed Duct	Mid / High Static Pressure	 NEW						○● CM18F.N10	○● CM24F.N10
	Low Static Pressure	 NEW			○● CL09F.N50	○● CL12F.N50		○● CL18F.N60	○● CL24F.N30

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	 MU2R15.UL0 2-port	 MU2R17UL0 2-port	NEW  MU3R19.U21 3-port	NEW  MU3R21.U21 3-port	NEW  MU4R25.U21 4-port	 MU4R27U40 4-port	 MU5R30U40 5-port

R410A INDOOR / OUTDOOR UNIT

KBTU/H		5	7	9	12	15	18	24
KW		1.5	2.1	2.6	3.5	4.2	5.3	7.0
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	Multi Piping	 NEW MU5M40.U44 5-port		
	Distribution Box	NEW  FM40AH.U34/FM41AH.U34 7-IDU	NEW  FM48AH.U34/FM49AH.U34 8-IDU	NEW  FM56AH.U34/FM57AH.U34 9-IDU

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
Energy Efficiency	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	●	●	●	●	●	●	●	●	●	●	●
Durability	R1 Compressor								●	●	●	●
	Twin Rotary Compressor	●	●	●	●	●	●	●				
	Smart Sensor Pressure Control			●	●	●	●	●	●	●	●	●
	Black Fin Heat Exchanger	●	●	●	●	●	●	●	●	●	●	●
Comfort & Convenience	Fast Cooling&Heating			●	●	●	●	●	●	●	●	●
	Night Silent Operation	●	●	●	●	●	●	●	●	●	●	●
	Wiring Error Check	●	●	●	●	●	●	●	●	●	●	●
	LG MV	●	●	●	●	●	●	●	●	●	●	●
	PI-485 Connection			●	●	●	●	●	●	●	●	●
	Forced Cooling Operation	●	●	●	●	●	●	●	●	●	●	●

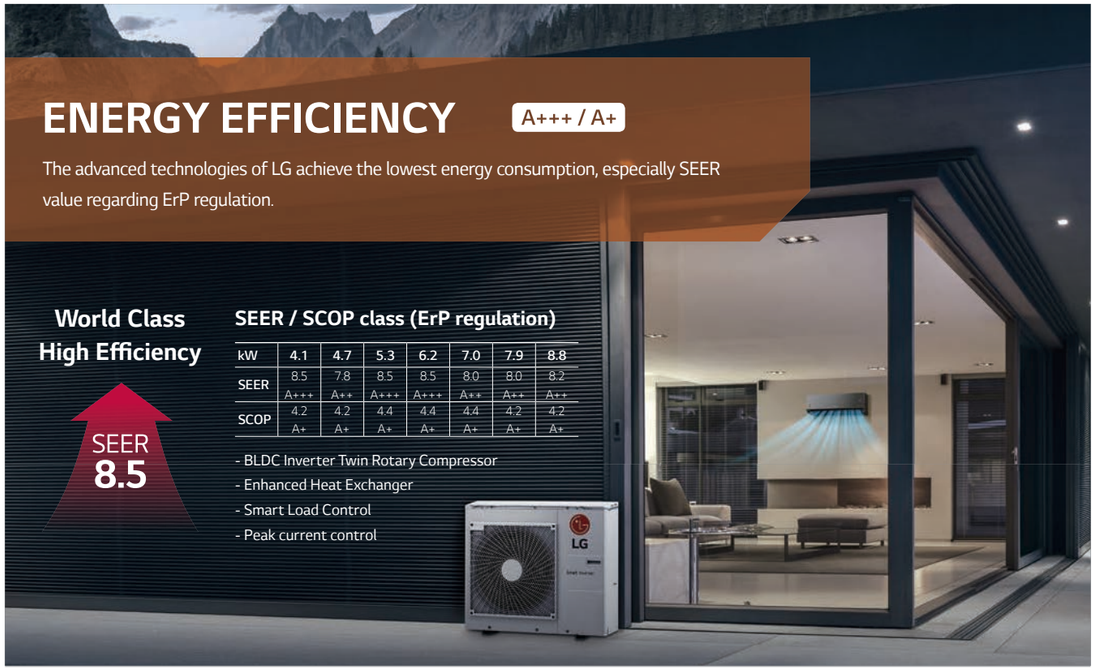
KEY FEATURES

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 indivudual single split sytems.

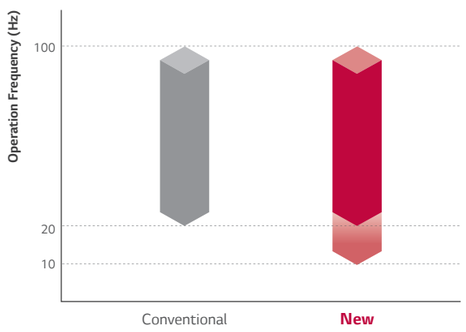
ENERGY EFFICIENCY



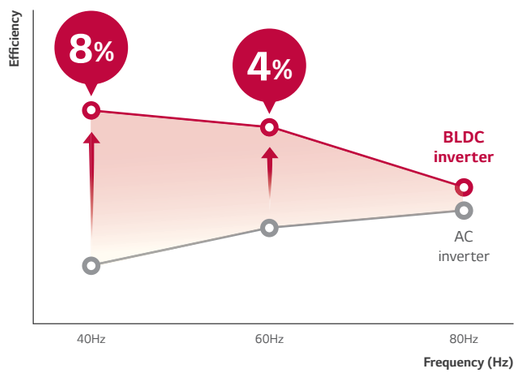
Powerful Brushless Direct Current Motor (BLDC) Compressor

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



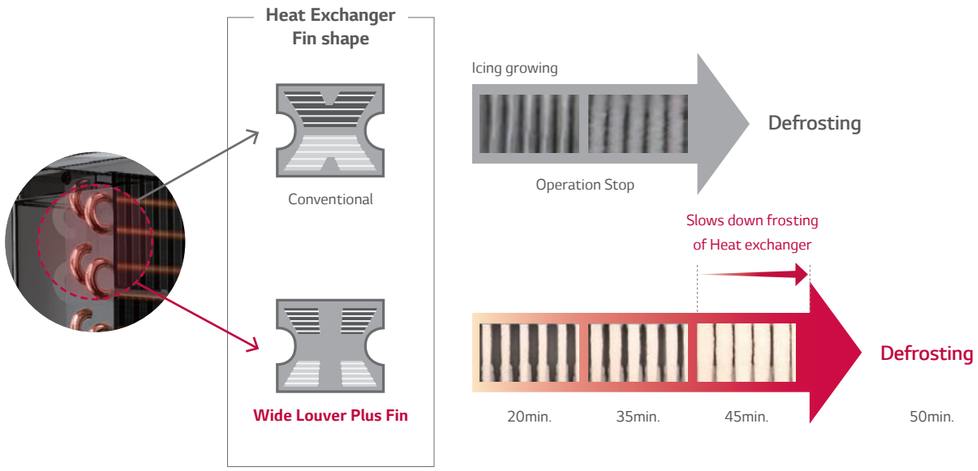
ENERGY EFFICIENCY

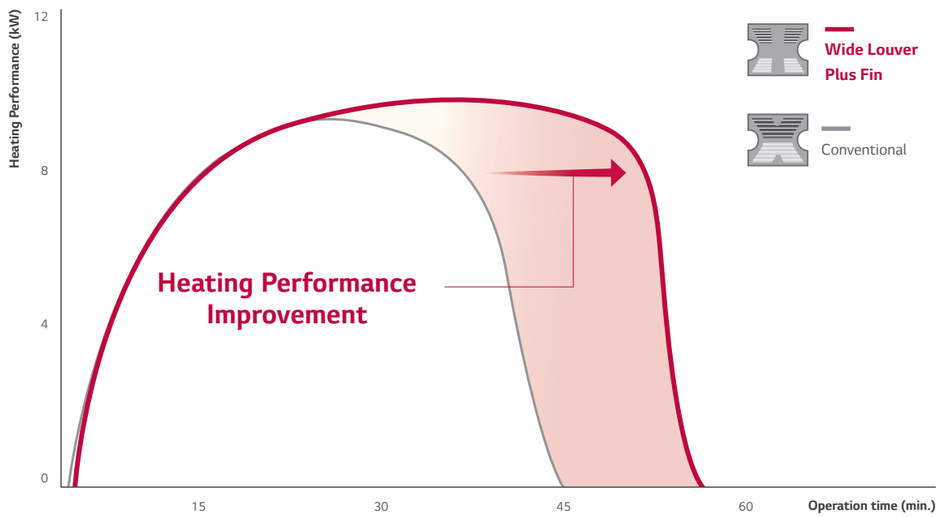
Enhanced Heat Exchange

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



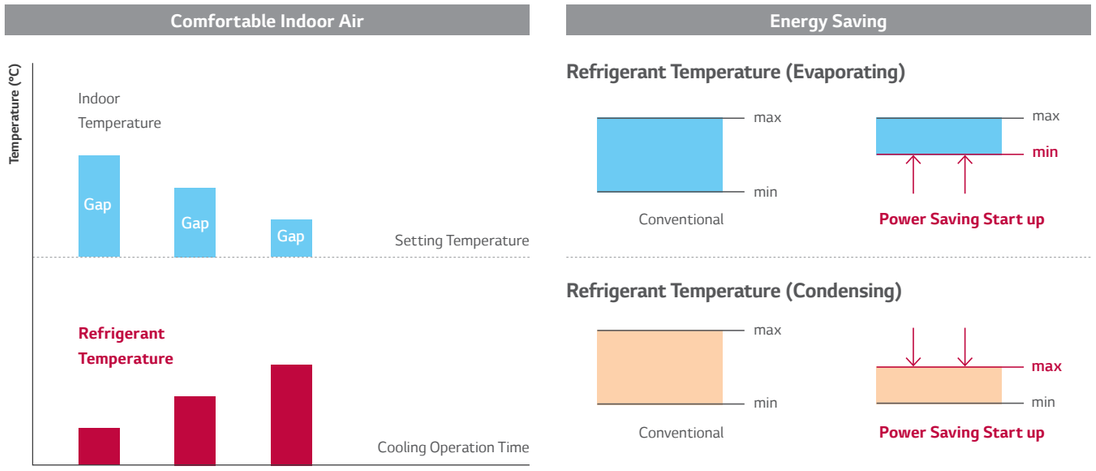


* LG Internal test data

ENERGY EFFICIENCY

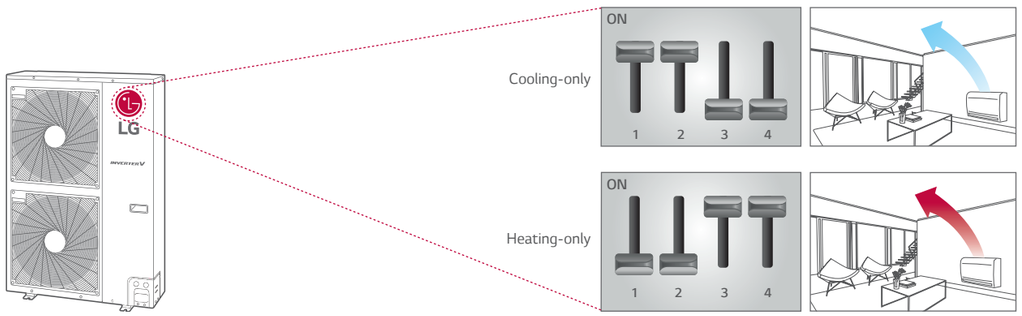
Power Saving Start Up

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

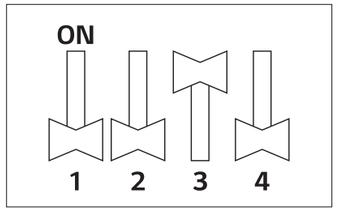
Peak Current Control

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**

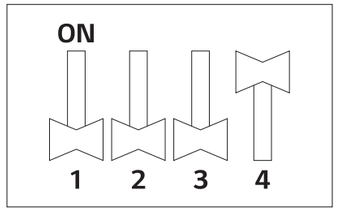
STEP 1

Max power consumption : 1.9 kW

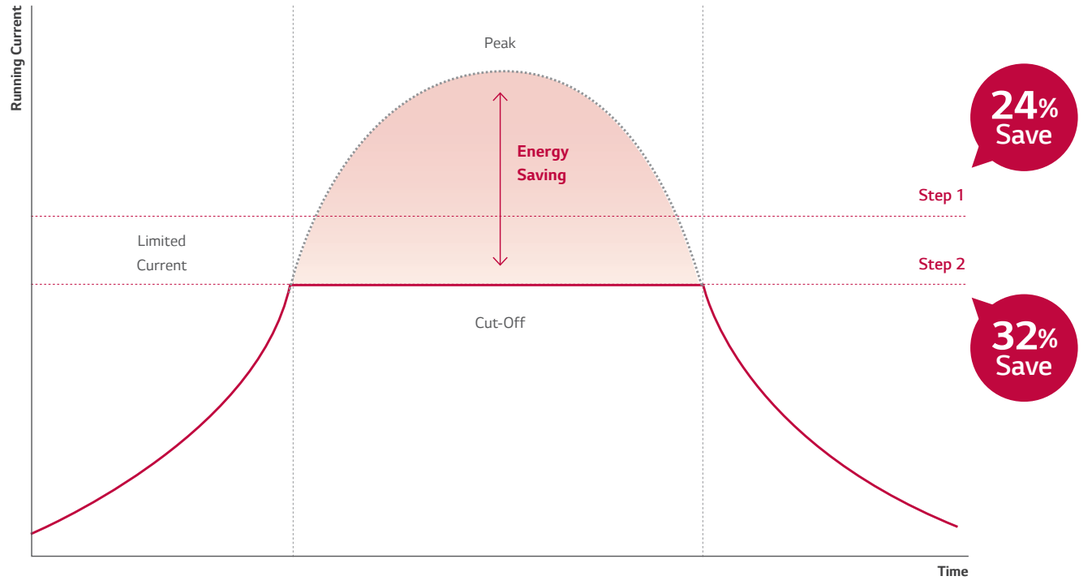


STEP 2

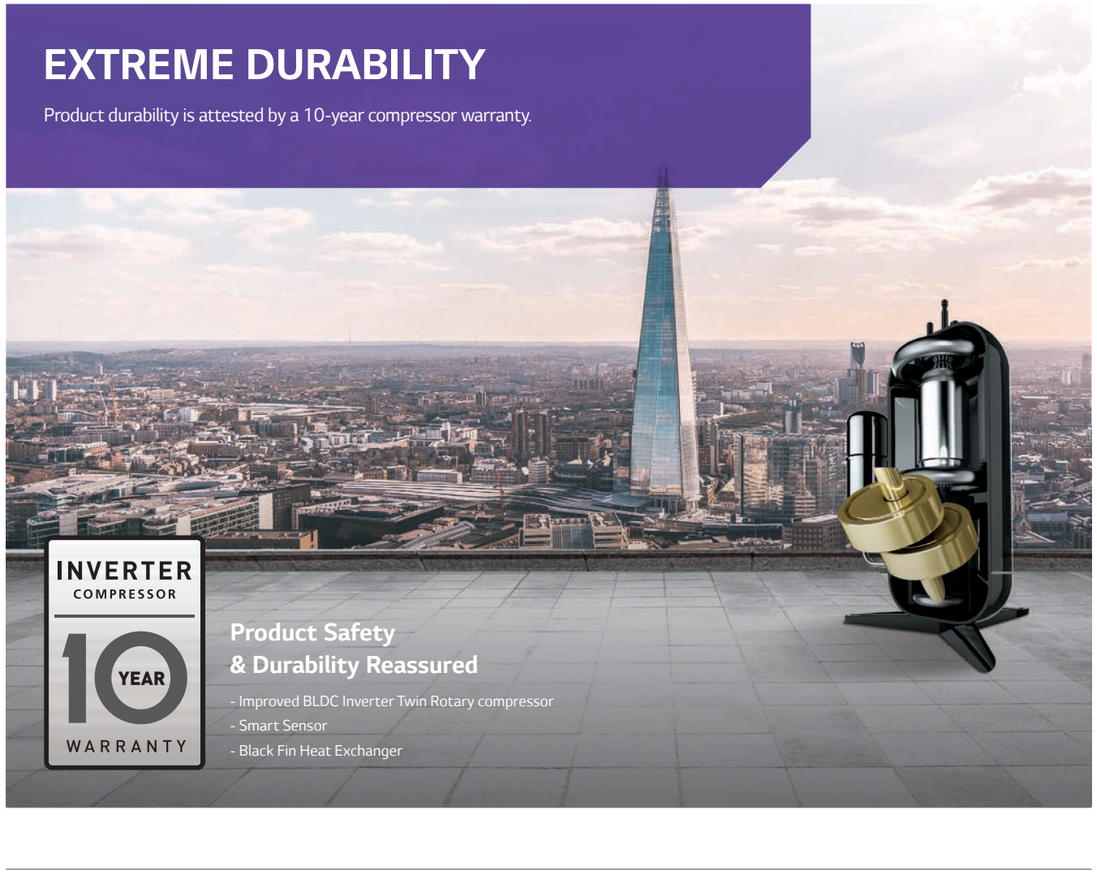
Max power consumption : 1.7 kW



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



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

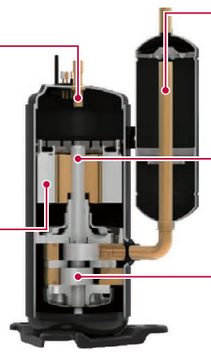


Improved BLDC Inverter Twin Rotary Compressor

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

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.

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



Twin Rotary
Inverter Compressor

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

Surface Coating
Shaft coating and polishing has been improved.

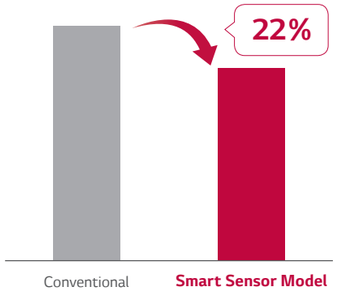
Twin Rotary Rotor
- Upper and lower part rotor offset imbalance in shaft rotor rotation.
  Max Torque has been decreased by 45% compared to single rotor.
- Vibration and noise is also reduced.

EXTREME DURABILITY

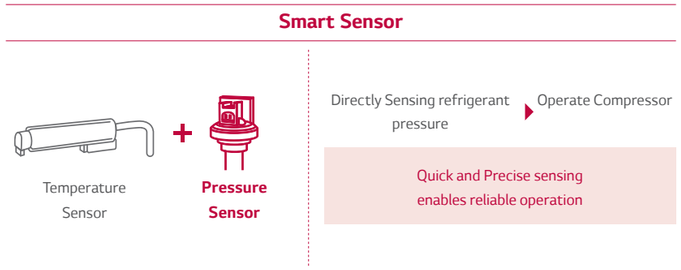
Pressure Control Technology by Smart Sensor

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

- **Field Failure Rate of Outdoor Unit**

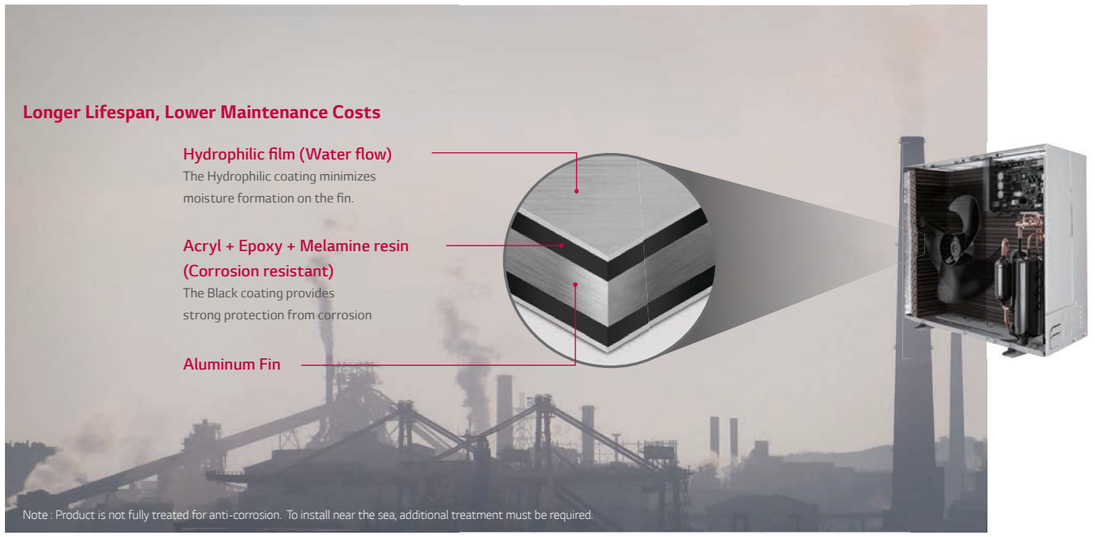


* LG Internal result
* FFR Period : 2 years before / after applying pressure sensor



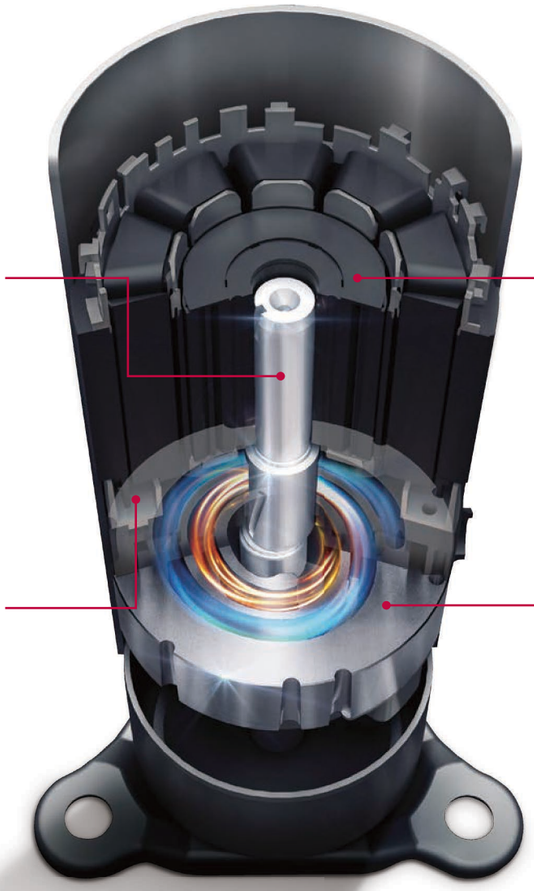
Black Fin Heat Exchanger

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



EXTREME DURABILITY

R1 Compressor



Shaft-through Structure & Support both ends of shaft

- Solid compressor operation assuring higher durability

Extended Operation Range (max 150Hz)

- Higher Heating Performance

Centrifugal oil return & Oil separating guide for oil discharge reduction

- Higher Energy Efficiency (*SEER 20% ↑)

Bottom Compression & Simple Structure

- Lower Noise & Vibration (**max 4dB(A) ↓)
- Less Weight (**20% ↓)
- Superior Reliability

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)

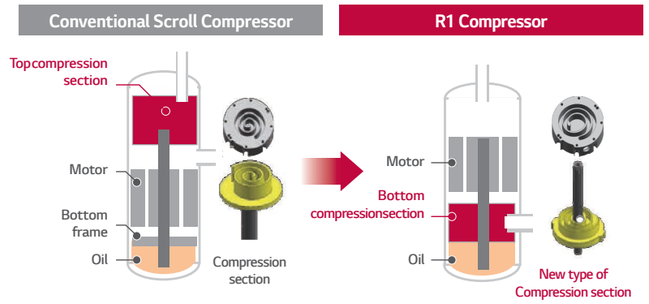
EXTREME DURABILITY

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)

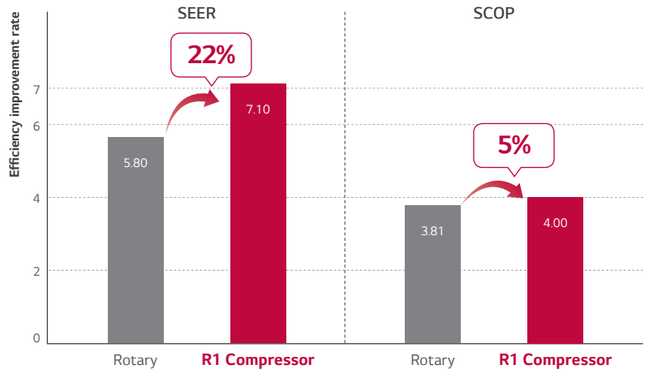
※ Applied Model : 40~56k (7 models)



• Seasonal energy efficiency

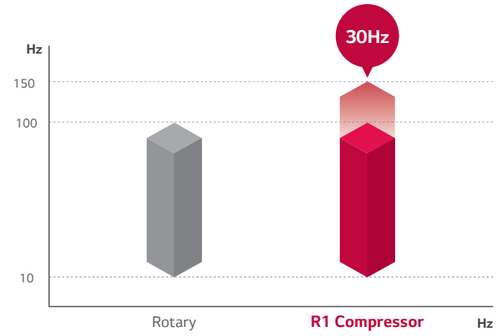
SEER 20%, SCOP 13% improvement (vs. rotary)

※ 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

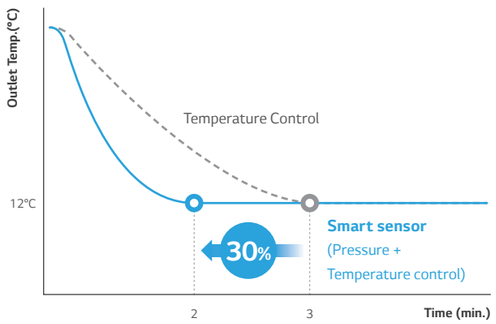
LG air conditioners are designed to provide users with maximum levels of comfort and professionals with easy, efficient installation capabilities.

- Fast cooling and heating
- Night Silent operation
- Easy installation and maintenance

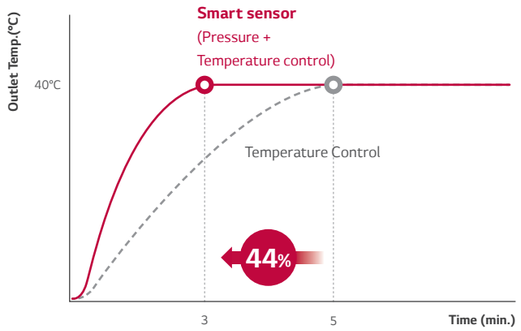
Fast Cooling & Heating

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

• Cooling



• Heating



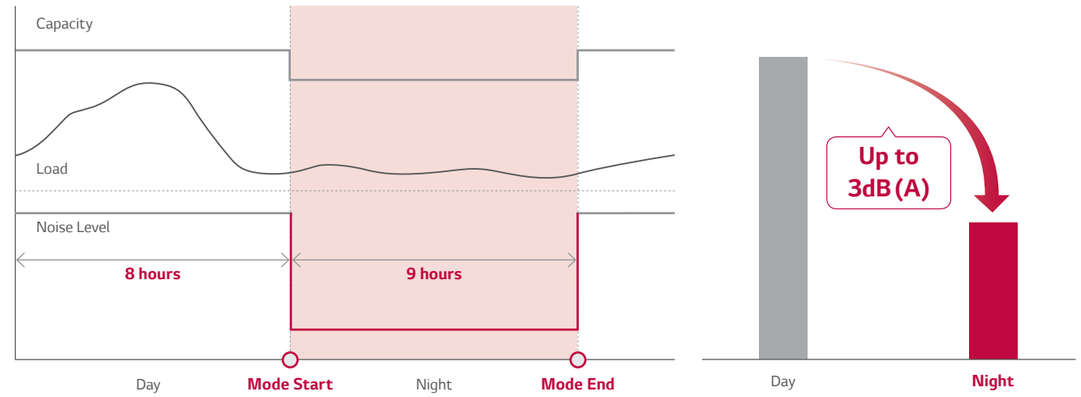
* LG Internal test result

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.

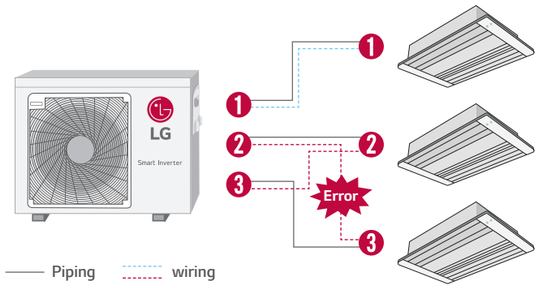
Cooling Mode



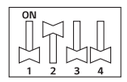
* This function is only available for Cooling Mode.
* If you want to stop the Night Quiet Mode, Change the Dip Switch.

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.



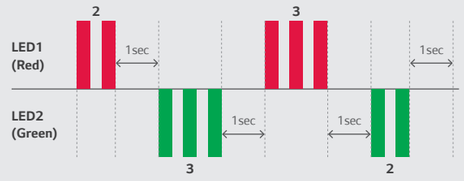
* How to set dip switch



• LED Result

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

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

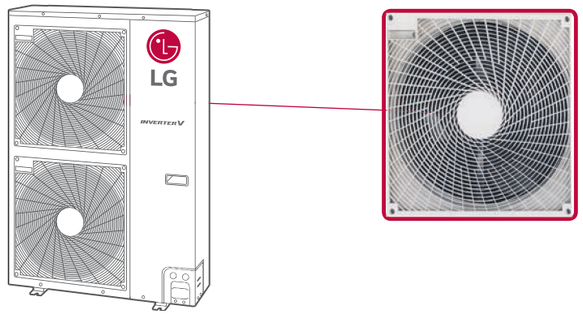


QUIET OPERATION

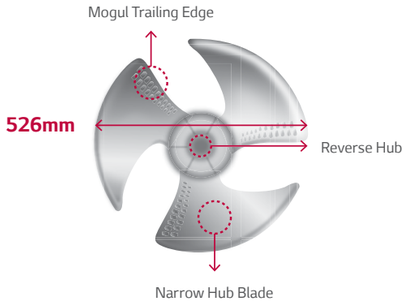
Advanced Grille & Fan

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.

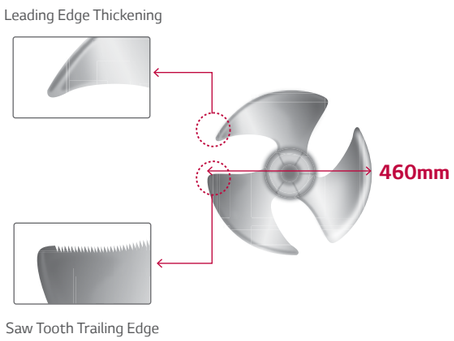
Grille



Fan Type 1



Fan Type 2



COMFORT AND CONVENIENCE

LG MV (Monitoring View)

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

Mobile MV

PC based LGMV
(for service)

LGMV module
(for service)

Operation information

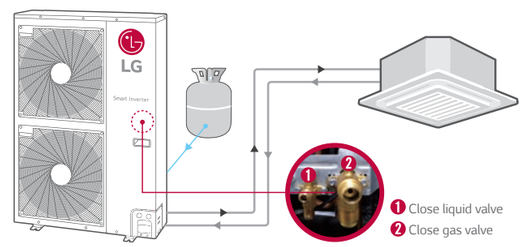
Cycle View

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

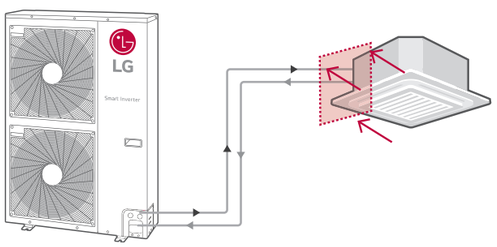
Forced Cooling Operation

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

Recharging



Pump Down



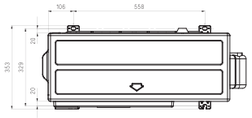
R32
MULTI SPLIT

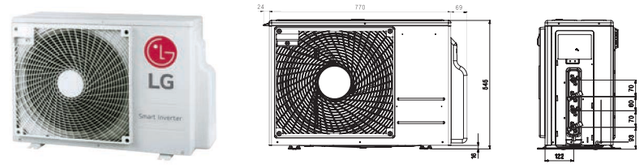
OUTDOOR UNITS

R32

MU2R15
MU2R17

(Unit : mm)





EUROVENT CERTIFIED PERFORMANCE

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

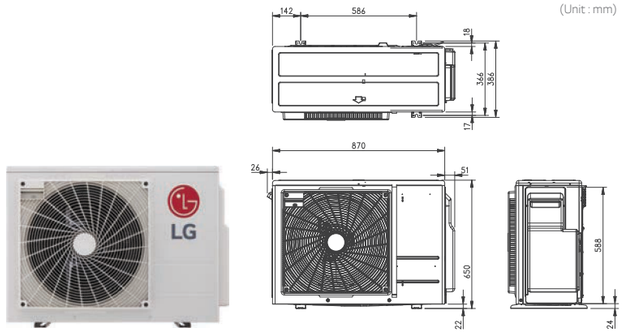
OUTDOOR UNIT				MU2R15.UL0	MU2R17.UL0
Compressor	Type			Twin Rotary	Twin Rotary
Capacity *	Cooling	Min / Nom / Max	kW	0.9 / 4.1 / 4.7	0.9 / 4.7 / 5.4
	Heating	Min / Nom / Max	kW	1.0 / 4.7 / 5.4	1.0 / 5.3 / 5.7
Low Temperature Capacity	Heating -7°C	Max	kW	3.3	3.7
Power Input *	Cooling	Min / Nom / Max	kW	0.2 / 1.0 / 1.4	0.2 / 1.3 / 1.7
	Heating	Min / Nom / Max	kW	0.2 / 1.1 / 1.4	0.2 / 1.3 / 1.6
Running Current	Cooling	Min / Nom / Max	A	1.1 / 4.6 / 6.4	1.1 / 5.6 / 7.9
	Heating	Min / Nom / Max	A	1.1 / 4.9 / 6.6	1.1 / 5.5 / 7.6
EER				4.14	3.75
COP				4.38	4.22
SEER				8.50	7.80
SCOP				4.20	4.20
Pdesign (@-10°C)			kW	4.10	4.10
Seasonal Energy Label	Cooling / Heating (A+++ to D Scale)			A+++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating			169 / 1,367	210 / 1,367
Airflow Rate	Nom		m^3/min	28.2	28.2
Sound Pressure	Cooling	Nom	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			V, Ø, Hz	220-240, 1, 50	220-240, 1, 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

(Unit : mm)



OUTDOOR UNIT				MU3R19.U21	MU3R21.U21	MU4R25.U21
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
Capacity *	Cooling	Min / Nom / Max	kW	1.1 / 5.3 / 6.3	1.1 / 6.2 / 7.3	1.1 / 7.0 / 8.5
	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		m^3/min	50	50	50
Sound Pressure	Cooling	Nom	dB(A)	48	49	50
	Heating	Nom	dB(A)	53	54	54
Sound Power	Cooling	Max	dB(A)	63	64	66
Dimensions	W x H x D		mm	870 × 650 × 330	870 × 650 × 330	870 × 650 × 330
Net Weight			Kg	46	46	46.2
Refrigerant	Type			R32	R32	R32
	Charge		Kg	1.4	1.4	1.4
	Additional Charge		g/m	20	20	20
	GWP			675	675	675
	t-CO_2 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			V, Ø, Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm^2	3C × 2.5	3C × 2.5	3C × 2.5
Transmission Cable			No. x mm^2	4C × 0.75	4C × 0.75	4C × 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.	Ø 6.35 (1/4) × 3	Ø 6.35 (1/4) × 3	Ø 6.35 (1/4) × 4
	Gas		mm(inch) x No.	Ø 9.52 (3/8) × 3	Ø 9.52 (3/8) × 3	Ø 9.52 (3/8) × 4

※ This Product is avable from Apr.2020

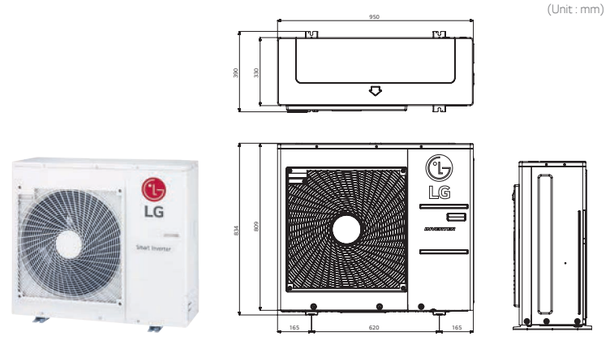
Notes :

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

(Unit : mm)



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

OUTDOOR UNIT				MU4R27.U40	MU5R30.U40
Compressor	Type			Twin Rotary	Twin Rotary
Capacity *	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		m^3/min	60	60
Sound Pressure	Cooling	Nom	dB(A)	50	50
	Heating	Nom	dB(A)	54	54
Sound Power	Cooling	Max	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
Refrigerant	Type			R32	R32
	Charge		Kg	2.3	2.6
	Additional Charge		g/m	20	20
	GWP			675	675
	t-CO_2 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			V, Ø, Hz	220-240, 1, 50	220-240, 1, 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	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.	Ø6.35 (1/4) x 4	Ø6.35 (1/4) x 5
	Gas		mm(inch) x No.	Ø9.52 (3/8) x 4	Ø9.52 (3/8) x 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 UNITS

KBTU/H			5	7	9	12	15	18	24
KW			1.5	2.1	2.6	3.5	4.2	5.3	7.0
Wall Mounted Unit	Gallery		-	-	● MA09R.NF1	● MA12R.NF1	-	-	-
	Mirror		-	● AM07BPNSJ	○● AC09BQ.NSJ	○● AC12BQ.NSJ	-	○● AC18BQ.NSK	○● AC24BQ.NSK

ARTCOOL Gallery

				MA09R.NF1	MA12R.NF1
Capacity	Cooling / Heating	Nom	kW	2.6 / 2.9	3.5 / 3.9
Power Input			W x No.	40 x 1	40 x 1
Running Current			A	0.1	0.1
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50
Air Flow Rate		H / M / L	m^3/min	7.7 / 5.9 / 4.4	8.9 / 7.3 / 5.6
Sound Pressure	Cooling	H / M / L	dB(A)	38 / 32 / 27	44 / 38 / 32
Sound Power	Cooling		dB(A)	52	54
Dehumidification Rate			l/h	1.2	1.4
Dimensions	Body	W x H x D	mm	600 x 600 x 145	600 x 600 x 145
Net Weight	Body		kg	15.0	15.0
Piping Connections	Liquid		mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas		mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)

ARTCOOL Mirror

				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	5.0 / 5.8	6.6 / 7.5
Power Input		Nom	W	17	18	19	39	45
Running Current		Nom	A	0.14	0.16	0.17	0.28	0.33
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
Air Flow Rate		H / M / L	m^3/min	8.6 / 7.2 / 5.6	9.2 / 7.4 / 5.6	9.6 / 8.1 / 5.6	14.2 / 11.3 / 9.9	15.2 / 12.7 / 10.2
Sound Pressure	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	1.1	1.2	1.9	2.6
Dimension		W x H x D	mm	837 x 308 x 192	837 x 308 x 192	837 x 308 x 192	998 x 345 x 212	998 x 345 x 212
Net weight			kg	9.1	9.9	9.9	13.2	11.6
Piping Connection	Liquid		mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas		mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)

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R32 MULTI SPLIT

WALL MOUNTED UNITS

KBTU/H			5	7	9	12	15	18	24
KW			1.5	2.1	2.6	3.5	4.2	5.3	7.0
Wall Mounted Unit	Silver		-		○● AC09SQ.NSJ	○● AC12SQ.NSJ	-	○● AC18SQ.NSK	
	Pure (with Air Purification)	NEW 	-	-	▯▯ AP09RT.NSJ	▯▯ AP12RT.NSJ	-	-	-

ARTCOOL Silver

				AC09SQ.NSJ	AC12SQ.NSJ	AC18SQ.NSK
Capacity	Cooling / Heating	Nom	kW	2.5 / 3.2	3.5 / 3.8	5.0 / 5.8
Power Input		Nom	W	18	19	39
Running Current		Nom	A	0.16	0.17	0.28
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
Air Flow Rate		H / M / L	m^3/min	9.2 / 7.4 / 5.6	9.6 / 8.1 / 5.6	14.2 / 11.3 / 9.9
Sound Pressure	Cooling	H / M / L	dB(A)	36 / 33 / 27	40 / 35 / 27	44 / 38 / 35
Sound Power	Cooling		dB(A)	57	57	59
Dehumidification Rate			l/h	1.1	1.2	1.9
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)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas		mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)

Air - Purifying

				AP09RT.NSJ	AP12RT.NSJ
Capacity	Cooling / Heating	Nom	kW	2.5/ 3.3	3.5/ 4.0
Power Input			W x No.	21	22
Running Current			A	0.18	0.19
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50
Air Flow Rate		H / M / L	m^3/min	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 Connections	Liquid		mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas		mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)

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WALL MOUNTED UNITS

KBTU/H			5	7	9	12	15	18	24
KW			1.5	2.1	2.6	3.5	4.2	5.3	7.0
Wall Mounted Unit	Deluxe		-	● DM07RP.NSJ	○● DC09RQ.NSJ	○● DC12RQ.NSJ	-	○● DC18RQ.NSK	○● DC24RQ.NSK

DELUXE

				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	5.0 / 5.8	6.6 / 7.5
Power Input		Nom	W	17	18	19	39	45
Running Current		Nom	A	0.15	0.16	0.17	0.28	0.33
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
Air Flow Rate		H / M / L	m^3/min	7.5 / 6.1 / 4.9	7.7 / 6.4 / 5.0	8.1 / 6.7 / 5.3	14.2 / 11.3 / 9.9	15.2 / 12.7 / 10.2
Sound Pressure	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)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas		mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)

WALL MOUNTED UNITS

KBTU/H			5	7	9	12	15	18	24
KW			1.5	2.1	2.6	3.5	4.2	5.3	7.0
Wall Mounted Unit	Sirius		● PM05SP.NSJ	● PM07SP.NSJ	○● PC09SQ.NSJ	○● PC12SQ.NSJ	● PM15SP.NSJ	○● PC18SQ.NSK	○● PC24SQ.NSK
			● MJ05PC.NSJ	● MJ07PC.NSJ	● MJ09PC.NSJ	● MJ12PC.NSJ	● MJ15PC.NSJ	● MJ18PC.NSK	● MJ24PC.NSK

SIRIUS

				PM05SP.NSJ	PM07SP.NSJ	PC09SQ.NSJ	PC12SQ.NSJ	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	5.0 / 5.8	6.6 / 7.5
Power Input		Nom	W	16	17	18	19	21	39	45
Running Current		Nom	A	0.13	0.14	0.16	0.17	0.18	0.28	0.33
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
Air Flow Rate		H / M / L	m^3/min	8.3 / 6.7 / 5.6	8.6 / 7.2 / 5.6	9.2 / 7.4 / 5.6	9.6 / 8.1 / 5.6	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	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net weight			kg	7.4	7.4	8.7	8.7	8.7	12.0	12.8
Piping Connection	Liquid		mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas		mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)

				MJ05PC.NSJ	MJ07PC.NSJ	MJ09PC.NSJ	MJ12PC.NSJ	MJ15PC.NSJ	MJ18PC.NSK	MJ24PC.NSK
Capacity	Cooling / Heating	Nom	kW	1.5 / 1.6	2.1 / 2.3	2.5 / 3.2	3.5 / 3.8	4.2 / 5.4	5.0 / 5.8	6.6 / 7.5
Power Input		Nom	W	16	17	18	19	21	39	45
Running Current		Nom	A	0.13	0.14	0.16	0.17	0.18	0.28	0.33
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
Air Flow Rate		H / M / L	m^3/min	8.3 / 6.7 / 5.6	8.6 / 7.2 / 5.6	9.2 / 7.4 / 5.6	9.6 / 8.1 / 5.6	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	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net weight			kg	8.7	8.7	8.7	8.7	8.7	12.0	12.8
Piping Connection	Liquid		mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas		mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)

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CEILING MOUNTED CASSETTE

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.NR0	● MT08R.NR0	●▯ CT09FNR0	●▯ CT12FNR0	-	●▯ CT18FNQ0	●▯ CT24FNB0

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

1Way 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			V, Ø, Hz	220-240, 1, 50	220-240, 1, 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 × 132 × 450	860 × 132 × 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)
Decoration Panel	Model			PT-UUC1	PT-UUC1
	Color			Morning Fog (RAL120-4)	Morning Fog (RAL120-4)
	Dimensions	W x H x D	mm	1,100 × 34 × 500	1,100 × 34 × 500
	Weight		kg	4.4	4.4

4Way Cassette

				MT06R.NR0	MT08R.NR0	CT09F.NR0	CT12F.NR0	CT18F.NQ0	CT24F.NB0
Capacity	Cooling / Heating	Nom	kW	1.5 / 1.6	2.1 / 2.3	2.6 / 2.9	3.5 / 3.9	5.3 / 5.8	6.7 / 7.5
Power Input		Nom	W	20	20	20	20	40	60
Running Current		Nom	A	0.40	0.40	0.40	0.40	0.40	0.60
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 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	13.0 / 12.0 / 11.0	17.0 / 15.0 / 13.0
Sound Pressure		H / M / L	dB(A)	31 / 27 / 24	31 / 27 / 24	36 / 33 / 30	38 / 35 / 32	41 / 39 / 36	38 / 36 / 34
Sound Power			dB(A)	48	48	52	52	57	57
Dehumidification Rate			l/h	-	-	0.9	1.4	2.0	2.7
Dimension		W x H x D	mm	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570	570 x 256 x 570	840 x 204 x 840
Net weight			kg	14.0	14.0	14.0	14.0	14.3	20.5
Piping Connection	Liquid		mm(inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø12.7 (1/2)
Decoration Panel	Model			PT-QCHW0	PT-QCHW0	PT-QCHW0	PT-QCHW0	PT-QCHW0	PT-MCHW0
	Color			Morning Fog (RAL 120-4)					
	Dimensions	W x H x D	mm	620 x 20 x 620	620 x 20 x 620	620 x 20 x 620	620 x 20 x 620	620 x 20 x 620	950 x 35 x 950
	Weight		kg	3.0	3.0	3.0	3.0	3.0	6.3

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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		-	-	-	-	-	●▯ CM18FN10	●▯ CM24FN10
	Low Static Pressure NEW		-	-	●▯ CL09FN50	●▯ CL12FN50	-	●▯ CL18FN60	●▯ CL24FN30

Duct (Mid Static)

				CM18F.N10	CM24F.N10
Capacity	Cooling / Heating	Nom	kW	5.3 / 5.8	7.0 / 7.7
Power Input		Nom	W	160	180
Running Current		Nom	A	0.90	1.00
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 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			dB(A)	59	60
Dehumidification Rate			l/h	1.5	2.5
Dimension		W x H x D	mm	900 x 270 x 700	900 x 270 x 700
Net weight			kg	26.5	26.5
Piping Connection	Liquid		mm(inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm(inch)	Ø12.7 (1/2)	Ø12.7 (1/2)
External Static Pressure	Min~Max		mmAq (Pa)	2~15 (20~147)	2~15 (20~147)

Duct (Low Static)

				CL09F.N50	CL12F.N50	CL18F.N60	CL24F.N30
Capacity	Cooling / Heating	Nom	kW	2.6 / 2.9	3.5 / 3.9	5.3 / 5.8	7.0 / 7.7
Power Input		Nom	W	100	100	140	160
Running Current		Nom	A	0.80	0.80	0.80	1.00
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
Air Flow Rate		H / M / L	m³/min	10.0 / 8.5 / 7.0	10.0 / 8.5 / 7.0	15.0 / 12.5 / 10.0	20.0 / 16.0 / 12.0
Sound Pressure		H / M / L	dB(A)	31 / 28 / 27	31 / 28 / 27	36 / 34 / 31	39 / 35 / 32
Sound Power			dB(A)	55	55	54	58
Dehumidification Rate			l/h	0.55	1.11	1.58	2.65
Dimension		W x H x D	mm	900 x 190 x 700	900 x 190 x 700	900 x 190 x 700	1,100 x 190 x 700
Net weight			kg	24.0	24.0	24.0	27.0
Piping 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)	Ø12.7 (1/2)	Ø12.7 (1/2)
External Static Pressure	Min~Max		mmAq (Pa)	0~5 (0~50)	0~5 (0~50)	0~5 (0~50)	0~5 (0~50)

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COMBINATION TABLE

MU2R15

Cooling														
Operation	Combination of Indoor Unit (kBtu/h Class)					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
2 UNIT	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
	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

Heating														
Operation	Combination of Indoor Unit (kBtu/h Class)					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
2 UNIT	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
	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

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

COMBINATION TABLE

MU2R17

Cooling														
Operation	Combination of Indoor Unit (kBtu/h Class)					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
	15				15	8,520	2.50	14,200	4.16	16,330	4.79	648	1,196	1,588
2 UNIT	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	1,058
	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	9,600	2.81	16,000	4.69	18,400	5.39	657	1,251	1,699
	5	12			17	9,600	2.81	16,000	4.69	18,400	5.39	657	1,251	1,699
	9	9			18	9,600	2.81	16,000	4.69	18,400	5.39	657	1,251	1,699
	7	12			19	9,600	2.81	16,000	4.69	18,400	5.39	657	1,251	1,699
	5	15			20	9,600	2.81	16,000	4.69	18,400	5.39	657	1,251	1,699
	9	12			21	9,600	2.81	16,000	4.69	18,400	5.39	657	1,251	1,699
	7	15			22	9,600	2.81	16,000	4.69	18,400	5.39	657	1,251	1,699
	9	15			24	9,600	2.81	16,000	4.69	18,400	5.39	657	1,251	1,699
	12	12			24	9,600	2.81	16,000	4.69	18,400	5.39	657	1,251	1,699

Heating														
Operation	Combination of Indoor Unit (kBtu/h Class)					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	758	920
	12				12	7,920	2.32	13,200	3.87	14,520	4.26	554	942	1,155
	15				15	9,900	2.90	16,500	4.84	18,150	5.32	706	1,187	1,489
2 UNIT	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
	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	10,800	3.17	18,000	5.28	19,400	5.69	706	1,247	1,633
	5	12			17	10,800	3.17	18,000	5.28	19,400	5.69	706	1,247	1,633
	9	9			18	10,800	3.17	18,000	5.28	19,400	5.69	706	1,247	1,633
	7	12			19	10,800	3.17	18,000	5.28	19,400	5.69	706	1,247	1,633
	5	15			20	10,800	3.17	18,000	5.28	19,400	5.69	706	1,247	1,633
	9	12			21	10,800	3.17	18,000	5.28	19,400	5.69	706	1,247	1,633
	7	15			22	10,800	3.17	18,000	5.28	19,400	5.69	706	1,247	1,633
	9	15			24	10,800	3.17	18,000	5.28	19,400	5.69	706	1,247	1,633
	12	12			24	10,800	3.17	18,000	5.28	19,400	5.69	706	1,247	1,633

COMBINATION TABLE

MU3R19

Cooling															
Operation	Combination of Indoor Unit (kBtu/h Class)					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	3,600	1.06	5,000	1.47	6000	1.76	288	363	571
	7				7	4,200	1.23	7,000	2.05	8400	2.46	319	478	645
	9				9	5,400	1.58	9,000	2.64	10800	3.17	378	595	847
	12				12	7,200	2.11	12,000	3.52	14400	4.22	478	822	1139
	15				15	8,520	2.50	15,000	4.40	17040	4.99	573	1003	1356
	18				18	10,800	3.17	18,000	5.28	21600	6.33	747	1302	1827
2 UNIT	5	5			10	7,200	2.11	10,000	2.93	12000	3.52	350	532	788
	5	7			12	7,200	2.11	12,000	3.52	14400	4.22	350	669	991
	5	9			14	8,400	2.46	14,000	4.10	16800	4.92	408	821	1215
	7	7			14	8,400	2.46	14,000	4.10	16800	4.92	408	821	1215
	7	9			16	9,600	2.81	16,000	4.69	19200	5.63	469	991	1467
	5	12			17	10,200	2.99	17,000	4.98	20400	5.98	532	1083	1603
	9	9			18	10,800	3.17	18,000	5.28	21600	6.33	599	1182	2040
	7	12			19	10,800	3.17	18,000	5.28	21600	6.33	599	1182	2040
	5	15			20	10,800	3.17	18,000	5.28	21600	6.33	599	1182	2040
	9	12			21	10,800	3.17	18,000	5.28	21600	6.33	599	1182	2040
	7	15			22	10,800	3.17	18,000	5.28	21600	6.33	599	1182	2040
	5	18			23	10,800	3.17	18,000	5.28	21600	6.33	599	1182	2040
	9	15			24	10,800	3.17	18,000	5.28	21600	6.33	599	1182	2040
	12	12			24	10,800	3.17	18,000	5.28	21600	6.33	599	1182	2040
	7	18			25	10,800	3.17	18,000	5.28	21600	6.33	599	1182	2040
	9	18			27	10,800	3.17	18,000	5.28	21600	6.33	599	1182	2040
	12	15			27	10,800	3.17	18,000	5.28	21600	6.33	599	1182	2040
	5	24			29	10,800	3.17	18,000	5.28	21600	6.33	599	1182	2040
	12	18			30	10,800	3.17	18,000	5.28	21600	6.33	599	1182	2040
	15	15			30	10,800	3.17	18,000	5.28	21600	6.33	599	1182	2040
3 UNIT	5	5	5		15	9,000	2.64	15,000	4.40	18000	5.28	422	837	1239
	5	5	7		17	10,200	2.99	17,000	4.98	20400	5.98	481	1013	1500
	5	5	9		19	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	5	7	7		19	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	5	7	9		21	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	7	7	7		21	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	5	5	12		22	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	5	9	9		23	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	7	7	9		23	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	5	7	12		24	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	5	5	15		25	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	7	9	9		25	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	5	9	12		26	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	7	7	12		26	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	5	7	15		27	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	9	9	9		27	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	7	9	12		28	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	5	5	18		28	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	5	9	15		29	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	5	12	12		29	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	7	7	15		29	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	5	7	18		30	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918
	9	9	12		30	10,800	3.17	18,000	5.28	21600	6.33	544	1111	1918

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COMBINATION TABLE

Heating															
Operation	Combination of Indoor Unit (kBtu/h Class)					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	4,000	1.17	5,500	1.61	6325	1.85	279	384	589
	7				7	5,040	1.48	8,400	2.46	9660	2.83	342	579	743
	9				9	6,480	1.90	10,800	3.17	12420	3.64	483	757	997
	12				12	7,920	2.32	13,200	3.87	15180	4.45	537	954	1234
	15				15	9,900	2.90	16,500	4.84	18975	5.56	688	1189	1593
	18				18	11,880	3.48	19,800	5.80	22770	6.67	845	1483	1978
2 UNIT	5	5			10	7,200	2.11	12,000	3.52	14400	4.22	329	598	861
	5	7			12	8,640	2.53	14,400	4.22	17280	5.06	430	904	1301
	5	9			14	10,080	2.95	16,800	4.92	20160	5.91	484	945	1360
	7	7			14	10,080	2.95	16,800	4.92	20160	5.91	484	945	1360
	7	9			16	11,520	3.38	19,200	5.63	23040	6.75	540	1118	1610
	5	12			17	12,240	3.59	20,400	5.98	24480	7.17	598	1319	1899
	9	9			18	12,960	3.80	21,600	6.33	25000	7.33	660	1391	2040
	7	12			19	12,960	3.80	21,600	6.33	25000	7.33	660	1391	2040
	5	15			20	12,960	3.80	21,600	6.33	25000	7.33	660	1391	2040
	9	12			21	12,960	3.80	21,600	6.33	25000	7.33	660	1391	2040
	7	15			22	12,960	3.80	21,600	6.33	25000	7.33	660	1391	2040
	5	18			23	12,960	3.80	21,600	6.33	25000	7.33	660	1391	2040
	9	15			24	12,960	3.80	21,600	6.33	25000	7.33	660	1391	2040
	12	12			24	12,960	3.80	21,600	6.33	25000	7.33	660	1391	2040
	7	18			25	12,960	3.80	21,600	6.33	25000	7.33	660	1391	2040
	9	18			27	12,960	3.80	21,600	6.33	25000	7.33	660	1391	2040
	12	15			27	12,960	3.80	21,600	6.33	25000	7.33	660	1391	2040
	5	24			29	12,960	3.80	21,600	6.33	25000	7.33	660	1391	2040
	12	18			30	12,960	3.80	21,600	6.33	25000	7.33	660	1391	2040
	15	15			30	12,960	3.80	21,600	6.33	25000	7.33	660	1391	2040
3 UNIT	5	5	5		15	10,800	3.17	18,000	5.28	21600	6.33	497	946	1363
	5	5	7		17	12,240	3.59	20,400	5.98	24480	7.17	551	1118	1610
	5	5	9		19	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	5	7	7		19	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	5	7	9		21	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	7	7	7		21	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	5	5	12		22	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	5	9	9		23	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	7	7	9		23	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	5	7	12		24	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	5	5	15		25	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	7	9	9		25	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	5	9	12		26	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	7	7	12		26	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	5	7	15		27	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	9	9	9		27	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	7	9	12		28	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	5	5	18		28	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	5	9	15		29	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	5	12	12		29	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	7	7	15		29	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	5	7	18		30	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823
	9	9	12		30	12,960	3.80	21,600	6.33	25000	7.33	725	1266	1823

COMBINATION TABLE

MU3R21

Cooling															
Operation	Combination of Indoor Unit (kBtu/h Class)					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	3,600	1.06	5,000	1.47	6000	1.76	288	363	571
	7				7	4,200	1.23	7,000	2.05	8400	2.46	319	478	645
	9				9	5,400	1.58	9,000	2.64	10800	3.17	378	595	847
	12				12	7,200	2.11	12,000	3.52	14400	4.22	478	822	1139
	15				15	8,520	2.50	15,000	4.40	17040	4.99	573	1003	1356
	18				18	10,800	3.17	18,000	5.28	21600	6.33	747	1302	1827
2 UNIT	5	5			10	7,200	2.11	10,000	2.93	12000	3.52	350	532	788
	5	7			12	7,200	2.11	12,000	3.52	14400	4.22	350	669	991
	5	9			14	8,400	2.46	14,000	4.10	16800	4.92	408	821	1215
	7	7			14	8,400	2.46	14,000	4.10	16800	4.92	408	821	1215
	7	9			16	9,600	2.81	16,000	4.69	19200	5.63	469	991	1467
	5	12			17	10,200	2.99	17,000	4.98	20400	5.98	532	1083	1603
	9	9			18	10,800	3.17	18,000	5.28	21600	6.33	599	1182	1890
	7	12			19	11,400	3.34	19,000	5.57	22800	6.68	669	1290	2064
	5	15			20	12,000	3.52	20,000	5.86	24000	7.03	669	1406	2249
	9	12			21	12,600	3.69	21,000	6.15	24150	7.08	743	1530	2450
	7	15			22	12,600	3.69	21,000	6.15	24150	7.08	743	1530	2450
	5	18			23	12,600	3.69	21,000	6.15	24150	7.08	743	1530	2450
	9	15			24	12,600	3.69	21,000	6.15	25000	7.33	743	1530	2450
	12	12			24	12,600	3.69	21,000	6.15	25000	7.33	743	1530	2450
	7	18			25	12,600	3.69	21,000	6.15	25000	7.33	743	1530	2450
	9	18			27	12,600	3.69	21,000	6.15	25000	7.33	743	1530	2450
	12	15			27	12,600	3.69	21,000	6.15	25000	7.33	743	1530	2450
	5	24			29	12,600	3.69	21,000	6.15	25000	7.33	743	1530	2450
	12	18			30	12,600	3.69	21,000	6.15	25000	7.33	743	1530	2450
	15	15			30	12,600	3.69	21,000	6.15	25000	7.33	743	1530	2450
	7	24			31	12,600	3.69	21,000	6.15	25000	7.33	743	1530	2450
	9	24			33	12,600	3.69	21,000	6.15	25000	7.33	743	1530	2450
	15	18			33	12,600	3.69	21,000	6.15	25000	7.33	743	1530	2450
3 UNIT	5	5	5		15	9,000	2.64	15,000	4.40	18000	5.28	422	837	1239
	5	5	7		17	10,200	2.99	17,000	4.98	20400	5.98	481	1013	1500
	5	5	9		19	11,400	3.34	19,000	5.57	22800	6.68	544	1212	1940
	5	7	7		19	11,400	3.34	19,000	5.57	22800	6.68	544	1212	1940
	5	7	9		21	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	7	7	7		21	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	5	5	12		22	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	5	9	9		23	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	7	7	9		23	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	5	7	12		24	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	5	5	15		25	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	7	9	9		25	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	5	9	12		26	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	7	7	12		26	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	5	7	15		27	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	9	9	9		27	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	7	9	12		28	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	5	5	18		28	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	5	9	15		29	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	5	12	12		29	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	7	7	15		29	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	5	7	18		30	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	9	9	12		30	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	7	9	15		31	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	7	12	12		31	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	5	12	15		32	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	5	9	18		32	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	7	7	18		32	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	9	9	15		33	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301
	9	12	12		33	12,600	3.69	21,000	6.15	25000	7.33	682	1438	2301

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COMBINATION TABLE

Heating															
Operation	Combination of Indoor Unit (kBtu/h Class)					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	4,000	1.17	5,500	1.61	6325	1.85	279	384	589
	7				7	5,040	1.48	8,400	2.46	9660	2.83	342	579	743
	9				9	6,480	1.90	10,800	3.17	12420	3.64	483	757	997
	12				12	7,920	2.32	13,200	3.87	15180	4.45	537	954	1234
	15				15	9,900	2.90	16,500	4.84	18975	5.56	688	1189	1593
	18				18	11,880	3.48	19,800	5.80	22770	6.67	845	1483	1978
2 UNIT	5	5			10	7,200	2.11	12,000	3.52	14400	4.22	329	598	861
	5	7			12	8,640	2.53	14,400	4.22	17280	5.06	430	904	1301
	5	9			14	10,080	2.95	16,800	4.92	20160	5.91	484	945	1360
	7	7			14	10,080	2.95	16,800	4.92	20160	5.91	484	945	1360
	7	9			16	11,520	3.38	19,200	5.63	23040	6.75	540	1118	1610
	5	12			17	12,240	3.59	20,400	5.98	24480	7.17	598	1319	1899
	9	9			18	12,960	3.80	21,600	6.33	25920	7.60	660	1430	2059
	7	12			19	13,680	4.01	22,800	6.68	26600	7.80	725	1543	2221
	5	15			20	14,400	4.22	24,000	7.03	26600	7.80	764	1662	2380
	9	12			21	14,400	4.22	24,000	7.03	26600	7.80	764	1662	2380
	7	15			22	14,400	4.22	24,000	7.03	26600	7.80	764	1662	2380
	5	18			23	14,400	4.22	24,000	7.03	26600	7.80	764	1662	2380
	9	15			24	14,400	4.22	24,000	7.03	26600	7.80	764	1662	2380
	12	12			24	14,400	4.22	24,000	7.03	26600	7.80	764	1662	2380
	7	18			25	14,400	4.22	24,000	7.03	26600	7.80	764	1662	2380
	9	18			27	14,400	4.22	24,000	7.03	26600	7.80	764	1662	2380
	12	15			27	14,400	4.22	24,000	7.03	26600	7.80	764	1662	2380
	5	24			29	14,400	4.22	24,000	7.03	26600	7.80	764	1662	2380
	12	18			30	14,400	4.22	24,000	7.03	26600	7.80	764	1662	2380
	15	15			30	14,400	4.22	24,000	7.03	26600	7.80	764	1662	2380
	7	24			31	14,400	4.22	24,000	7.03	26600	7.80	764	1662	2380
	9	24			33	14,400	4.22	24,000	7.03	26600	7.80	764	1662	2380
	15	18			33	14,400	4.22	24,000	7.03	26600	7.80	764	1662	2380
3 UNIT	5	5	5		15	10,800	3.17	18,000	5.28	21600	6.33	497	946	1363
	5	5	7		17	12,240	3.59	20,400	5.98	24480	7.17	551	1118	1610
	5	5	9		19	13,680	4.01	22,800	6.68	26600	7.80	725	1419	2044
	5	7	7		19	13,680	4.01	22,800	6.68	26600	7.80	725	1419	2044
	5	7	9		21	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	7	7	7		21	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	5	5	12		22	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	5	9	9		23	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	7	7	9		23	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	5	7	12		24	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	5	5	15		25	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	7	9	9		25	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	5	9	12		26	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	7	7	12		26	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	5	7	15		27	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	9	9	9		27	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	7	9	12		28	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	5	5	18		28	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	5	9	15		29	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	5	12	12		29	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	7	7	15		29	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	5	7	18		30	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	9	9	12		30	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	7	9	15		31	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	7	12	12		31	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	5	12	15		32	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	5	9	18		32	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	7	7	18		32	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	9	9	15		33	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202
	9	12	12		33	14,400	4.22	24,000	7.03	26600	7.80	730	1529	2202

COMBINATION TABLE

MU4R25

Cooling															
Operation	Combination of Indoor Unit (kBtu/h Class)					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	3,600	1.06	5,000	1.47	6000	1.76	288	363	571
	7				7	4,200	1.23	7,000	2.05	8400	2.46	319	478	645
	9				9	5,400	1.58	9,000	2.64	10800	3.17	378	595	847
	12				12	7,200	2.11	12,000	3.52	14400	4.22	478	822	1139
	15				15	8,520	2.50	15,000	4.40	17040	4.99	573	1003	1356
	18				18	10,800	3.17	18,000	5.28	21600	6.33	747	1302	1827
2 UNIT	5	5			10	7,200	2.11	10,000	2.93	12000	3.52	350	532	788
	5	7			12	7,200	2.11	12,000	3.52	14400	4.22	350	669	991
	5	9			14	8,400	2.46	14,000	4.10	16800	4.92	408	821	1215
	7	7			14	8,400	2.46	14,000	4.10	16800	4.92	408	821	1215
	7	9			16	9,600	2.81	16,000	4.69	19200	5.63	469	991	1467
	5	12			17	10,200	2.99	17,000	4.98	20400	5.98	532	1083	1603
	9	9			18	10,800	3.17	18,000	5.28	21600	6.33	599	1182	1749
	7	12			19	11,400	3.34	19,000	5.57	22800	6.68	669	1290	1909
	5	15			20	12,000	3.52	20,000	5.86	24000	7.03	669	1406	2080
	9	12			21	12,600	3.69	21,000	6.15	24150	7.08	743	1530	2264
	7	15			22	13,200	3.87	22,000	6.45	25300	7.42	743	1638	2425
	5	18			23	13,800	4.04	23,000	6.74	26450	7.75	821	1752	2593
	9	15			24	14,400	4.22	24,000	7.03	27000	7.91	904	1871	2770
	12	12			24	14,400	4.22	24,000	7.03	27000	7.91	904	1871	2770
	7	18			25	14,400	4.22	24,000	7.03	27000	7.91	904	1871	2770
	9	18			27	14,400	4.22	24,000	7.03	27000	7.91	904	1871	2770
	12	15			27	14,400	4.22	24,000	7.03	27000	7.91	904	1871	2770
	5	24			29	14,400	4.22	24,000	7.03	27000	7.91	904	1871	2770
	12	18			30	14,400	4.22	24,000	7.03	27000	7.91	904	1871	2770
	15	15			30	14,400	4.22	24,000	7.03	27000	7.91	904	1871	2770
	7	24			31	14,400	4.22	24,000	7.03	27000	7.91	904	1871	2770
	9	24			33	14,400	4.22	24,000	7.03	27000	7.91	904	1871	2770
	15	18			33	14,400	4.22	24,000	7.03	27000	7.91	904	1871	2770
	18	18			36	14,400	4.22	24,000	7.03	27000	7.91	904	1871	2770
	12	24			36	14,400	4.22	24,000	7.03	27000	7.91	904	1871	2770
	15	24			39	14,400	4.22	24,000	7.03	27000	7.91	904	1871	2770
3 UNIT	5	5	5		15	9,000	2.64	15,000	4.40	18000	5.28	422	837	1239
	5	5	7		17	10,200	2.99	17,000	4.98	20400	5.98	481	1013	1500
	5	5	9		19	11,400	3.34	19,000	5.57	22800	6.68	544	1212	1794
	5	7	7		19	11,400	3.34	19,000	5.57	22800	6.68	544	1212	1794
	5	7	9		21	12,600	3.69	21,000	6.15	25200	7.39	682	1438	2128
	5	5	12		22	13,200	3.87	22,000	6.45	26400	7.74	731	1540	2279
	5	9	9		23	13,800	4.04	23,000	6.74	27600	8.09	731	1647	2437
	7	7	9		23	13,800	4.04	23,000	6.74	27600	8.09	731	1647	2437
	5	7	12		24	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	5	5	15		25	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	7	9	9		25	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	5	9	12		26	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	7	7	12		26	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	5	7	15		27	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	9	9	9		27	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	7	9	12		28	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	5	5	18		28	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	5	9	15		29	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	5	12	12		29	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	7	7	15		29	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	5	7	18		30	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	9	9	12		30	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	7	9	15		31	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	7	12	12		31	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	5	12	15		32	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	5	9	18		32	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	7	7	18		32	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	9	9	15		33	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	9	12	12		33	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	7	9	18		34	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	7	12	15		34	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	5	5	24		34	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	5	12	18		35	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	5	15	15		35	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	5	7	24		36	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	9	12	15		36	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	12	12	12		36	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	9	9	18		36	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	7	12	18		37	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	7	15	15		37	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	5	9	24		38	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	5	15	18		38	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	7	7	24		38	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	9	12	18		39	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	9	15	15		39	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603
	12	12	15		39	14,400	4.22	24,000	7.03	29000	8.50	837	1758	2603

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COMBINATION TABLE

Cooling															
Operation	Combination of Indoor Unit (kBtu/h Class)					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
4 UNIT	5	5	5	5	20	12,000	3.52	20,000	5.86	24000	7.03	592	1265	1872
	5	5	5	7	22	13,200	3.87	22,000	6.45	29000	8.50	659	1495	2212
	5	5	5	9	24	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	5	7	7	24	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	5	7	9	26	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	7	7	7	26	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	5	5	12	27	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	5	9	9	28	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	7	7	9	28	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	7	7	7	7	28	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	5	7	12	29	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	5	5	15	30	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	7	9	9	30	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	7	7	7	9	30	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	5	9	12	31	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	7	7	12	31	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	5	7	15	32	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	7	7	9	9	32	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	9	9	9	32	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	5	5	18	33	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	7	9	12	33	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	7	7	7	12	33	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	5	9	15	34	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	5	12	12	34	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	7	7	15	34	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	7	9	9	9	34	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	5	7	18	35	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	9	9	12	35	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	7	7	9	12	35	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	7	9	15	36	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	7	12	12	36	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	7	7	7	15	36	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	9	9	9	9	36	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	5	9	18	37	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	5	12	15	37	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	7	7	18	37	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	7	9	9	12	37	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	9	9	15	38	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	7	7	9	15	38	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	7	7	12	12	38	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	5	5	24	39	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	7	9	18	39	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	5	7	12	15	39	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	9	9	9	12	39	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603
	7	7	7	18	39	14,400	4.22	24,000	7.03	29000	8.50	731	1758	2603

COMBINATION TABLE

MU4R25

Heating															
Operation	Combination of Indoor Unit (kBtu/h Class)					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	4,000	1.17	5,500	1.61	6325	1.85	279	384	589
	7				7	5,040	1.48	8,400	2.46	9660	2.83	342	579	743
	9				9	6,480	1.90	10,800	3.17	12420	3.64	483	757	997
	12				12	7,920	2.32	13,200	3.87	15180	4.45	537	954	1234
	15				15	9,900	2.90	16,500	4.84	18975	5.56	688	1189	1593
	18				18	11,880	3.48	19,800	5.80	22770	6.67	845	1483	1978
	24				24	15,240	4.47	25,400	7.44	26670	7.82	1101	1840	2327
2 UNIT	5	5			10	7,200	2.11	12,000	3.52	14400	4.22	329	598	861
	5	7			12	8,640	2.53	14,400	4.22	17280	5.06	430	904	1301
	5	9			14	10,080	2.95	16,800	4.92	20160	5.91	484	945	1360
	7	7			14	10,080	2.95	16,800	4.92	20160	5.91	484	945	1360
	7	9			16	11,520	3.38	19,200	5.63	23040	6.75	540	1118	1610
	5	12			17	12,240	3.59	20,400	5.98	24480	7.17	598	1319	1899
	9	9			18	12,960	3.80	21,600	6.33	25920	7.60	660	1430	2059
	7	12			19	13,680	4.01	22,800	6.68	27360	8.02	725	1543	2221
	5	15			20	14,400	4.22	24,000	7.03	28800	8.44	764	1662	2393
	9	12			21	15,120	4.43	25,200	7.39	29000	8.50	793	1749	2518
	7	15			22	15,840	4.64	26,400	7.74	29000	8.50	867	1836	2644
	5	18			23	16,560	4.85	27,600	8.09	29000	8.50	945	1977	2850
	9	15			24	16,560	4.85	27,600	8.09	29000	8.50	945	1977	2850
	12	12			24	16,560	4.85	27,600	8.09	29000	8.50	945	1977	2850
	7	18			25	16,560	4.85	27,600	8.09	29000	8.50	945	1977	2850
	9	18			27	16,560	4.85	27,600	8.09	29000	8.50	945	1977	2850
	12	15			27	16,560	4.85	27,600	8.09	29000	8.50	945	1977	2850
	5	24			29	16,560	4.85	27,600	8.09	29000	8.50	945	1977	2850
	12	18			30	16,560	4.85	27,600	8.09	29000	8.50	945	1977	2850
	15	15			30	16,560	4.85	27,600	8.09	29000	8.50	945	1977	2850
	7	24			31	16,560	4.85	27,600	8.09	29000	8.50	945	1977	2850
	9	24			33	16,560	4.85	27,600	8.09	29000	8.50	945	1977	2850
	15	18			33	16,560	4.85	27,600	8.09	29000	8.50	945	1977	2850
	18	18			36	16,560	4.85	27,600	8.09	29000	8.50	945	1977	2850
	12	24			36	16,560	4.85	27,600	8.09	29000	8.50	945	1977	2850
	15	24			39	16,560	4.85	27,600	8.09	29000	8.50	945	1977	2850
3 UNIT	5	5	5		15	10,800	3.17	18,000	5.28	21600	6.33	497	946	1363
	5	5	7		17	12,240	3.59	20,400	5.98	24480	7.17	551	1118	1610
	5	5	9		19	13,680	4.01	22,800	6.68	27360	8.02	725	1419	2044
	5	7	7		19	13,680	4.01	22,800	6.68	27360	8.02	725	1419	2044
	5	7	9		21	15,120	4.43	25,200	7.39	30240	8.86	730	1610	2319
	7	7	7		21	15,120	4.43	25,200	7.39	30240	8.86	730	1610	2319
	5	5	12		22	15,840	4.64	26,400	7.74	31000	9.09	798	1697	2444
	5	9	9		23	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	7	7	9		23	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	5	7	12		24	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	5	5	15		25	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	7	9	9		25	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	5	9	12		26	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	7	7	12		26	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	5	7	15		27	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	9	9	9		27	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	7	9	12		28	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	5	5	18		28	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	5	9	15		29	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	5	12	12		29	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	7	7	15		29	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	5	7	18		30	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	9	9	12		30	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	7	9	15		31	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	7	12	12		31	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	5	12	15		32	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	5	9	18		32	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	7	7	18		32	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	9	9	15		33	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	9	12	12		33	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	7	9	18		34	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	7	12	15		34	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	5	5	24		34	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	5	12	18		35	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	5	15	15		35	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	5	7	24		36	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	9	12	15		36	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	12	12	12		36	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	9	9	18		36	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	7	12	18		37	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	7	15	15		37	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	5	9	24		38	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	5	15	18		38	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	7	7	24		38	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	9	12	18		39	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	9	15	15		39	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647
	12	12	15		39	16,560	4.85	27,600	8.09	31000	9.09	870	1838	2647

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

COMBINATION TABLE

Heating															
Operation	Combination of Indoor Unit (kBtu/h Class)					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
4 UNIT	5	5	5	5	20	14,400	4.22	24,000	7.03	28800	8.44	700	1418	2041
	5	5	5	7	22	15,840	4.64	26,400	7.74	31000	9.09	795	1625	2339
	5	5	5	9	24	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	5	7	7	24	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	5	7	9	26	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	7	7	7	26	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	5	5	12	27	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	5	9	9	28	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	7	7	9	28	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	7	7	7	7	28	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	5	7	12	29	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	5	5	15	30	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	7	9	9	30	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	7	7	7	9	30	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	5	9	12	31	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	7	7	12	31	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	5	7	15	32	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	7	7	9	9	32	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	9	9	9	32	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	5	5	18	33	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	7	9	12	33	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	7	7	7	12	33	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	5	9	15	34	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	5	12	12	34	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	7	7	15	34	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	7	9	9	9	34	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	5	7	18	35	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	9	9	12	35	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	7	7	9	12	35	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	7	9	15	36	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	7	12	12	36	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	7	7	7	15	36	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	9	9	9	9	36	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	5	9	18	37	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	5	12	15	37	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	7	7	18	37	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	7	9	9	12	37	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	9	9	15	38	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	7	7	9	15	38	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	7	7	12	12	38	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	5	5	24	39	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	7	9	18	39	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	5	7	12	15	39	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	9	9	9	12	39	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647
	7	7	7	18	39	16,560	4.85	27,600	8.09	31000	9.09	832	1838	2647

COMBINATION TABLE

MU4R27

Cooling															
Operation	Combination of Indoor Unit (kBtu/h Class)					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	4,500	1.32	5,000	1.47	6,000	1.76	416	418	612
	7				7	4,800	1.41	7,000	2.05	8,400	2.46	416	494	663
	9				9	5,400	1.58	9,000	2.64	10,800	3.17	416	617	861
	12				12	7,200	2.11	12,000	3.52	14,400	4.22	494	846	1,153
	15				15	8,520	2.50	14,200	4.16	17,040	4.99	592	1,029	1,395
	18				18	10,800	3.17	18,000	5.28	21,600	6.33	769	1,328	1,804
	24				24	14,400	4.22	24,000	7.03	25,500	7.47	1,029	1,815	2,536
2 UNIT	5	5			10	6,000	1.76	10,000	2.93	12,000	3.52	378	623	853
	5	7			12	7,200	2.11	12,000	3.52	14,400	4.22	444	761	1,038
	5	9			14	8,400	2.46	14,000	4.10	16,800	4.92	533	903	1,228
	7	7			14	8,400	2.46	14,000	4.10	16,800	4.92	533	903	1,228
	7	9			16	9,600	2.81	16,000	4.69	19,200	5.63	601	1,047	1,423
	5	12			17	10,200	2.99	17,000	4.98	20,400	5.98	646	1,121	1,537
	9	9			18	10,800	3.17	18,000	5.28	21,600	6.33	692	1,195	1,623
	7	12			19	11,400	3.34	19,000	5.57	22,800	6.68	715	1,270	1,740
	5	15			20	12,000	3.52	20,000	5.86	24,000	7.03	761	1,347	1,829
	9	12			21	12,600	3.69	21,000	6.15	25,200	7.39	808	1,423	2,012
	7	15			22	13,200	3.87	22,000	6.45	26,400	7.74	855	1,475	2,154
	9	15			24	14,400	4.22	24,000	7.03	28,800	8.44	927	1,633	2,505
	12	12			24	14,400	4.22	24,000	7.03	28,800	8.44	927	1,633	2,505
	7	18			25	15,000	4.40	25,000	7.33	30,000	8.79	975	1,755	2,721
	9	18			27	16,200	4.75	27,000	7.91	31,050	9.10	1,047	2,011	2,891
	12	15			27	16,200	4.75	27,000	7.91	31,050	9.10	1,047	2,011	2,891
	5	24			29	16,200	4.75	27,000	7.91	31,050	9.10	1,047	2,011	2,891
	12	18			30	16,200	4.75	27,000	7.91	31,050	9.10	1,047	2,011	2,891
	15	15			30	16,200	4.75	27,000	7.91	31,050	9.10	1,047	2,011	2,891
	7	24			31	16,200	4.75	27,000	7.91	31,050	9.10	1,047	2,011	2,891
	9	24			33	16,200	4.75	27,000	7.91	31,050	9.10	1,047	2,011	2,891
	15	18			33	16,200	4.75	27,000	7.91	31,050	9.10	1,047	2,011	2,891
	18	18			36	16,200	4.75	27,000	7.91	31,050	9.10	1,047	2,011	2,891
	12	24			36	16,200	4.75	27,000	7.91	31,050	9.10	1,047	2,011	2,891
	15	24			39	16,200	4.75	27,000	7.91	31,050	9.10	1,047	2,011	2,891
3 UNIT	5	5	5		15	9,000	2.64	15,000	4.40	18,000	5.28	522	916	1,258
	5	5	7		17	10,200	2.99	17,000	4.98	20,400	5.98	607	1,054	1,445
	5	5	9		19	11,400	3.34	19,000	5.57	22,800	6.68	672	1,194	1,636
	5	7	7		19	11,400	3.34	19,000	5.57	22,800	6.68	672	1,194	1,636
	5	7	9		21	12,600	3.69	21,000	6.15	25,200	7.39	760	1,338	1,891
	7	7	7		21	12,600	3.69	21,000	6.15	25,200	7.39	760	1,338	1,891
	5	5	12		22	13,200	3.87	22,000	6.45	26,400	7.74	804	1,387	2,025
	5	9	9		23	13,800	4.04	23,000	6.74	27,600	8.09	826	1,461	2,219
	7	7	9		23	13,800	4.04	23,000	6.74	27,600	8.09	826	1,461	2,219
	5	7	12		24	14,400	4.22	24,000	7.03	28,800	8.44	871	1,535	2,379
	5	5	15		25	15,000	4.40	25,000	7.33	30,000	8.79	916	1,650	2,605
	7	9	9		25	15,000	4.40	25,000	7.33	30,000	8.79	916	1,650	2,605
	5	9	12		26	15,600	4.57	26,000	7.62	31,200	9.14	962	1,767	2,784
	7	7	12		26	15,600	4.57	26,000	7.62	31,200	9.14	962	1,767	2,784
	5	7	15		27	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	9	9	9		27	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	7	9	12		28	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	5	5	18		28	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	5	9	15		29	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	5	12	12		29	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	7	7	15		29	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	5	7	18		30	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	9	9	12		30	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	7	9	15		31	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	7	12	12		31	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	5	12	15		32	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	5	9	18		32	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	7	7	18		32	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	9	9	15		33	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	9	12	12		33	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	7	9	18		34	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	7	12	15		34	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	5	5	24		34	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	5	12	18		35	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	5	15	15		35	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	5	7	24		36	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	9	12	15		36	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	12	12	12		36	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	9	9	18		36	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	7	12	18		37	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	7	15	15		37	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	5	9	24		38	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	5	15	18		38	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	7	7	24		38	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	9	12	18		39	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	9	15	15		39	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	12	12	15		39	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	7	9	24		40	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	7	15	18		40	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	5	12	24		41	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784
	5	18	18		41	16,200	4.75	27,000	7.91	31,050	9.10	984	1,890	2,784

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

COMBINATION TABLE

Cooling															
Operation	Combination of Indoor Unit (kBtu/h Class)					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
4 UNIT	5	5	5	5	20	12,000	3.52	20,000	5.86	24,000	7.03	680	1,202	1,633
	5	5	5	7	22	13,200	3.87	22,000	6.45	26,400	7.74	764	1,317	1,923
	5	5	5	9	24	14,400	4.22	24,000	7.03	28,800	8.44	827	1,458	2,215
	5	5	7	7	24	14,400	4.22	24,000	7.03	28,800	8.44	827	1,458	2,215
	5	5	7	9	26	15,600	4.57	26,000	7.62	31,200	9.14	913	1,679	2,520
	5	7	7	7	26	15,600	4.57	26,000	7.62	31,200	9.14	913	1,679	2,520
	5	5	5	12	27	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	5	9	9	28	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	7	7	9	28	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	7	7	7	7	28	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	5	7	12	29	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	5	5	15	30	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	7	9	9	30	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	7	7	7	9	30	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	5	9	12	31	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	7	7	12	31	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	5	7	15	32	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	7	7	9	9	32	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	9	9	9	32	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	5	5	18	33	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	7	9	12	33	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	7	7	7	12	33	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	5	9	15	34	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	5	12	12	34	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	7	7	15	34	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	7	9	9	9	34	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	5	7	18	35	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	9	9	12	35	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	7	7	9	12	35	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	7	9	15	36	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	7	12	12	36	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	7	7	7	15	36	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	9	9	9	9	36	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	5	9	18	37	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	5	12	15	37	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	7	7	18	37	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	7	9	9	12	37	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	9	9	15	38	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	7	7	9	15	38	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	7	7	12	12	38	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	5	5	24	39	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	7	9	18	39	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	7	12	15	39	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	9	9	9	12	39	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	7	7	7	18	39	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	7	9	9	15	40	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	7	9	12	12	40	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	5	7	24	41	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	9	12	15	41	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	5	12	12	12	41	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	7	7	12	15	41	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706
	7	7	9	18	41	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,706

COMBINATION TABLE

MU4R27

Heating															
Operation	Combination of Indoor Unit (kBtu/h Class)					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	5,000	1.47	5,500	1.61	6,325	1.85	610	610	714
	7				7	5,400	1.58	8,400	2.46	9,660	2.83	610	636	825
	9				9	6,480	1.90	10,800	3.17	12,420	3.64	610	826	1,077
	12				12	7,920	2.32	13,200	3.87	15,180	4.45	583	1,021	1,338
	15				15	9,900	2.90	16,500	4.84	18,975	5.56	744	1,279	1,744
	18				18	11,880	3.48	19,800	5.80	22,770	6.67	909	1,577	2,133
	24				24	15,240	4.47	25,400	7.44	26,670	7.82	1,192	2,077	2,538
2 UNIT	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
	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
	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
	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
3 UNIT	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
	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
	7	7	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
	5	9	15		29	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	5	12	12		29	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	7	7	15		29	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	5	7	18		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	1,188	2,177	2,998
	7	9	15		31	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	7	12	12		31	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	5	12	15		32	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	5	9	18		32	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	7	7	18		32	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	9	9	15		33	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	9	12	12		33	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	7	9	18		34	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	7	12	15		34	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	5	5	24		34	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	5	12	18		35	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	5	15	15		35	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	5	7	24		36	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	9	12	15		36	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	12	12	12		36	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	9	9	18		36	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	7	12	18		37	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	7	15	15		37	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	5	9	24		38	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	5	15	18		38	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	7	7	24		38	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	9	12	18		39	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	9	15	15		39	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	12	12	15		39	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	7	9	24		40	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	7	15	18		40	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	5	12	24		41	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998
	5	18	18		41	18,600	5.45	31,000	9.09	34,720	10.18	1,188	2,177	2,998

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

RESIDENTIAL
MULTI SPLIT

COMBINATION TABLE

Heating															
Operation	Combination of Indoor Unit (kBtu/h Class)					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
4 UNIT	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	18,000	5.28	30,000	8.79	36,000	10.55	1,083	1,960	3,125
	5	7	7	7	26	18,000	5.28	30,000	8.79	36,000	10.55	1,083	1,960	3,125
	5	5	5	12	27	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	5	9	9	28	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	7	7	9	28	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	7	7	7	7	28	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	5	7	12	29	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	5	5	15	30	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	7	9	9	30	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	7	7	7	9	30	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	5	9	12	31	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	7	7	12	31	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	5	7	15	32	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	7	7	9	9	32	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	9	9	9	32	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	5	5	18	33	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	7	9	12	33	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	7	7	7	12	33	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	5	9	15	34	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	5	12	12	34	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	7	7	15	34	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	7	9	9	9	34	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	5	7	18	35	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	9	9	12	35	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	7	7	9	12	35	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	7	9	15	36	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	7	12	12	36	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	7	7	7	15	36	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	9	9	9	9	36	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	5	9	18	37	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	5	12	15	37	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	7	7	18	37	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	7	9	9	12	37	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	9	9	15	38	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	7	7	9	15	38	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	7	7	12	12	38	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	5	5	24	39	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	7	9	18	39	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	7	12	15	39	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	9	9	9	12	39	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	7	7	7	18	39	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	7	9	9	15	40	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	7	9	12	12	40	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	5	7	24	41	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	9	12	15	41	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	5	12	12	12	41	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	7	7	12	15	41	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125
	7	7	9	18	41	18,600	5.45	31,000	9.09	36,000	10.55	1,128	2,068	3,125

COMBINATION TABLE

MU5R30

Cooling															
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	7.03	25,500	7.47	1,029	1,815	2,604
2 UNIT	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
	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	7.03	28,800	8.44	927	1,633	2,572
	12	12				24	14,400	4.22	24,000	7.03	28,800	8.44	927	1,633	2,572
	7	18				25	15,000	4.40	25,000	7.33	30,000	8.79	975	1,755	2,794
	9	18				27	16,200	4.75	27,000	7.91	32,400	9.50	1,047	2,011	3,213
	12	15				27	16,200	4.75	27,000	7.91	32,400	9.50	1,047	2,011	3,213
	5	24				29	17,400	5.10	29,000	8.50	33,000	9.67	1,145	2,284	3,341
	12	18				30	18,000	5.28	30,000	8.79	33,000	9.67	1,195	2,429	3,341
	15	15				30	18,000	5.28	30,000	8.79	33,000	9.67	1,195	2,429	3,341
	7	24				31	18,000	5.28	30,000	8.79	33,000	9.67	1,195	2,429	3,341
	9	24				33	18,000	5.28	30,000	8.79	33,000	9.67	1,195	2,429	3,341
	15	18				33	18,000	5.28	30,000	8.79	33,000	9.67	1,195	2,429	3,341
	18	18				36	18,000	5.28	30,000	8.79	33,000	9.67	1,195	2,429	3,341
	12	24				36	18,000	5.28	30,000	8.79	33,000	9.67	1,195	2,429	3,341
	15	24				39	18,000	5.28	30,000	8.79	33,000	9.67	1,195	2,429	3,341
	18	24				42	18,000	5.28	30,000	8.79	33,000	9.67	1,195	2,429	3,341
	24	24				48	18,000	5.28	30,000	8.79	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	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	7.03	28,800	8.44	871	1,535	2,442
	5	5	15			25	15,000	4.40	25,000	7.33	30,000	8.79	916	1,650	2,674
	7	9	9			25	15,000	4.40	25,000	7.33	30,000	8.79	916	1,650	2,674
	5	9	12			26	15,600	4.57	26,000	7.62	31,200	9.14	962	1,767	2,859
	7	7	12			26	15,600	4.57	26,000	7.62	31,200	9.14	962	1,767	2,859
	5	7	15			27	16,200	4.75	27,000	7.91	32,400	9.50	984	1,890	3,120
	9	9	9			27	16,200	4.75	27,000	7.91	32,400	9.50	984	1,890	3,120
	7	9	12			28	16,800	4.92	28,000	8.21	33,600	9.85	1,030	2,028	3,327
	5	5	18			28	16,800	4.92	28,000	8.21	33,600	9.85	1,030	2,028	3,327
	5	9	15			29	17,400	5.10	29,000	8.50	33,600	9.85	1,077	2,173	3,327
	5	12	12			29	17,400	5.10	29,000	8.50	33,600	9.85	1,077	2,173	3,327
	7	7	15			29	17,400	5.10	29,000	8.50	33,600	9.85	1,077	2,173	3,327
	5	7	18			30	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	9	9	12			30	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	7	9	15			31	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	7	12	12			31	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	5	12	15			32	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	5	9	18			32	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	7	7	18			32	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	9	9	15			33	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	9	12	12			33	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	7	9	18			34	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	7	12	15			34	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	5	5	24			34	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	5	12	18			35	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	5	15	15			35	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	5	7	24			36	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	9	12	15			36	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	12	12	12			36	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	9	9	18			36	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	7	12	18			37	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	7	15	15			37	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	5	9	24			38	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	5	15	18			38	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	7	7	24			38	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	9	12	18			39	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	9	15	15			39	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	12	12	15			39	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	7	9	24			40	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	7	15	18			40	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	5	12	24			41	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	5	18	18			41	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	12	12	18			42	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	9	9	24			42	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	9	15	18			42	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	12	15	15			42	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327

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

COMBINATION TABLE

Cooling															
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	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	7	12	24			43	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	5	15	24			44	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	9	18	18			45	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	9	12	24			45	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	12	15	18			45	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	15	15	15			45	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	7	15	24			46	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	5	18	24			47	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	9	15	24			48	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	12	18	18			48	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	12	12	24			48	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
	15	15	18			48	18,000	5.28	30,000	8.79	33,600	9.85	1,123	2,326	3,327
4 UNIT	5	5	5	5		20	12,000	3.52	20,000	5.86	24,000	7.03	680	1,202	1,677
	5	5	5	7		22	13,200	3.87	22,000	6.45	26,400	7.74	764	1,317	1,975
	5	5	5	9		24	14,400	4.22	24,000	7.03	28,800	8.44	827	1,458	2,274
	5	5	7	7		24	14,400	4.22	24,000	7.03	28,800	8.44	827	1,458	2,274
	5	5	7	9		26	15,600	4.57	26,000	7.62	31,200	9.14	913	1,679	2,588
	5	7	7	7		26	15,600	4.57	26,000	7.62	31,200	9.14	913	1,679	2,588
	5	5	5	12		27	16,200	4.75	27,000	7.91	32,400	9.50	935	1,795	2,778
	5	5	9	9		28	16,800	4.92	28,000	8.21	33,600	9.85	979	1,903	2,927
	5	7	7	9		28	16,800	4.92	28,000	8.21	33,600	9.85	979	1,903	2,927
	7	7	7	7		28	16,800	4.92	28,000	8.21	33,600	9.85	979	1,903	2,927
	5	5	7	12		29	17,400	5.10	29,000	8.50	34,800	10.20	1,023	2,015	3,133
	5	5	5	15		30	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	7	9	9		30	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	7	7	9		30	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	5	9	12		31	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	7	7	12		31	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	5	7	15		32	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	7	9	9		32	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	9	9	9		32	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	5	5	18		33	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	7	9	12		33	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	7	7	12		33	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	5	9	15		34	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	5	12	12		34	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	7	7	15		34	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	9	9	9		34	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	5	7	18		35	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	9	9	12		35	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	7	9	12		35	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	7	9	15		36	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	7	12	12		36	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	7	7	15		36	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	9	9	9	9		36	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	5	9	18		37	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	5	12	15		37	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	7	7	18		37	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	9	9	12		37	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	9	9	15		38	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	7	9	15		38	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	7	12	12		38	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	5	5	24		39	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	7	9	18		39	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	7	12	15		39	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	9	9	9	12		39	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	7	7	18		39	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	5	12	18		40	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	9	9	15		40	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	9	12	12		40	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	5	7	24		41	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	9	12	15		41	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	12	12	12		41	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	7	12	15		41	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	7	9	18		41	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	7	15	15		42	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	9	9	9	15		42	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	9	9	12	12		42	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	9	12	15		43	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	12	12	12		43	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	9	9	18		43	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	9	15	15		44	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	7	12	18		44	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	7	15	15		44	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	7	18	15		45	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	9	9	12	15		45	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	9	12	12	12		45	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	9	9	9	18		45	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	7	7	24		45	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	9	12	18		46	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	9	15	15		46	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	12	12	15		46	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	12	12	18		47	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	7	9	24		47	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	7	7	15	18		47	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	9	15	18		47	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	5	12	15	15		47	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	9	9	15	15		48	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	12	12	12	12		48	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349
	9	9	12	18		48	18,000	5.28	30,000	8.79	36,000	10.55	1,067	2,131	3,349

COMBINATION TABLE

MU5R30

Cooling																
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 UNIT	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	7	27	16,200	4.75	27,000	7.91	32,400	9.50	906	1,701	2,645
	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	7	7	29	17,400	5.10	29,000	8.50	34,800	10.20	993	1,897	3,026
	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	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	12	32	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	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	9	33	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	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	7	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	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
	7	7	7	7	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	7	7	7	12	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	5	12	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	7	9	9	9	39	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	5	7	18	40	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	9	9	12	40	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	7	9	12	40	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	7	7	7	7	12	40	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	7	9	15	41	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	7	7	15	41	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	9	9	9	9	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	7	7	18	42	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	9	9	12	42	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	7	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	7	7	12	12	43	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	7	7	7	7	15	43	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	7	9	9	9	9	43	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	7	12	15	44	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	5	5	24	44	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	7	7	18	44	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	9	9	9	12	44	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	7	7	9	9	12	44	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	5	12	18	45	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	5	15	15	45	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	9	9	15	45	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	9	12	12	45	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	7	7	7	9	15	45	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	7	7	7	12	12	45	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	9	9	9	9	9	45	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	5	7	24	46	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	9	9	18	46	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	9	12	15	46	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	12	12	12	46	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	7	9	18	46	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	7	12	15	46	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	7	7	18	46	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	7	9	9	9	12	46	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	7	15	15	47	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	9	9	9	15	47	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	9	9	12	12	47	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	7	7	9	9	15	47	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	7	7	9	12	12	47	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	5	9	24	48	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	5	18	15	48	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	7	7	24	48	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	9	9	18	48	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	9	12	15	48	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	12	12	12	48	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	7	7	7	12	15	48	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	9	9	9	9	12	48	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	7	7	7	9	18	48	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260

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

COMBINATION TABLE

Heating																
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	5,000	1.47	5,500	1.61	6,325	1.85	610	610	714
	7					7	5,500	1.61	8,400	2.46	9,660	2.83	610	636	825
	9					9	6,480	1.90	10,800	3.17	12,420	3.64	610	826	1,077
	12					12	7,920	2.32	13,200	3.87	15,180	4.45	583	1,021	1,338
	15					15	9,900	2.90	16,500	4.84	18,975	5.56	744	1,279	1,744
	18					18	11,880	3.48	19,800	5.80	22,770	6.67	909	1,577	2,133
	24					24	15,240	4.47	25,400	7.44	26,670	7.82	1,192	2,077	2,538
2 UNIT	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
	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	34,560	10.13	1,162	2,045	3,473
	12	12				24	17,280	5.06	28,800	8.44	34,560	10.13	1,162	2,045	3,473
	7	18				25	18,000	5.28	30,000	8.79	34,560	10.13	1,213	2,194	3,473
	9	18				27	19,440	5.70	32,400	9.50	34,560	10.13	1,315	2,579	3,473
	12	15				27	19,440	5.70	32,400	9.50	34,560	10.13	1,315	2,579	3,473
	5	24				29	20,700	6.07	34,500	10.11	34,560	10.13	1,418	3,020	3,473
	12	18				30	20,700	6.07	34,500	10.11	34,560	10.13	1,418	3,020	3,473
	15	15				30	20,700	6.07	34,500	10.11	34,560	10.13	1,418	3,020	3,473
	7	24				31	20,700	6.07	34,500	10.11	34,560	10.13	1,418	3,020	3,473
	9	24				33	20,700	6.07	34,500	10.11	34,560	10.13	1,418	3,020	3,473
	15	18				33	20,700	6.07	34,500	10.11	34,560	10.13	1,418	3,020	3,473
	18	18				36	20,700	6.07	34,500	10.11	34,560	10.13	1,418	3,020	3,473
	12	24				36	20,700	6.07	34,500	10.11	34,560	10.13	1,418	3,020	3,473
	15	24				39	20,700	6.07	34,500	10.11	34,560	10.13	1,418	3,020	3,473
	18	24				42	20,700	6.07	34,500	10.11	34,560	10.13	1,418	3,020	3,473
	24	24				48	20,700	6.07	34,500	10.11	34,560	10.13	1,418	3,020	3,473
3 UNIT	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	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
	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	36,000	10.55	1,140	2,063	3,192
	7	9	9			25	18,000	5.28	30,000	8.79	36,000	10.55	1,140	2,063	3,192
	5	9	12			26	18,720	5.49	31,200	9.14	37,440	10.97	1,188	2,177	3,393
	7	7	12			26	18,720	5.49	31,200	9.14	37,440	10.97	1,188	2,177	3,393
	5	7	15			27	19,440	5.70	32,400	9.50	38,640	11.32	1,236	2,328	3,602
	9	9	9			27	19,440	5.70	32,400	9.50	38,640	11.32	1,236	2,328	3,602
	7	9	12			28	20,160	5.91	33,600	9.85	38,640	11.32	1,284	2,445	3,602
	5	5	18			28	20,160	5.91	33,600	9.85	38,640	11.32	1,284	2,445	3,602
	5	9	15			29	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	5	12	12			29	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	7	7	15			29	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	5	7	18			30	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	9	9	12			30	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	7	9	15			31	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	7	12	12			31	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	5	12	15			32	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	5	9	18			32	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	7	7	18			32	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	9	9	15			33	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	9	12	12			33	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	7	9	18			34	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	7	12	15			34	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	5	5	24			34	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	5	12	18			35	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	5	15	15			35	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	5	7	24			36	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	9	12	15			36	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	12	12	12			36	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	9	9	18			36	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	7	12	18			37	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	7	15	15			37	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	5	9	24			38	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	5	15	18			38	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	7	7	24			38	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	9	12	18			39	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	9	15	15			39	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	12	12	15			39	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	7	9	24			40	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	7	15	18			40	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	5	12	24			41	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	5	18	18			41	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	12	12	18			42	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	9	9	24			42	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	9	15	18			42	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602
	12	15	15			42	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602

COMBINATION TABLE

MU5R30

Heating															
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
	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
	15	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		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	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
	7	7	7	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	7	7	12		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
	7	7	9	9		32	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	5	9	9	9		32	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	5	5	5	18		33	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
	7	7	7	12		33	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
4 UNIT	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	7	18		35	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	5	9	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
	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	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	7	9	15		38	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	7	12	12		38	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	5	5	5	24		39	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	5	7	9	18		39	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	5	7	12	15		39	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	9	9	9	12		39	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	7	7	18		39	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	5	5	12	18		40	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	9	9	15		40	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	9	12	12		40	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	5	5	7	24		41	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	5	9	12	15		41	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	5	12	12	12		41	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	7	12	15		41	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	7	9	18		41	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	5	7	15	15		42	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	9	9	9	15		42	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	9	9	12	12		42	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	9	12	15		43	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	12	12	12		43	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	9	9	18		43	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	5	9	15	15		44	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	7	12	18		44	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	7	15	15		44	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	5	7	18	15		45	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	9	9	12	15		45	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	9	12	12	12		45	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	9	9	9	18		45	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	7	7	24		45	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	9	12	18		46	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	9	15	15		46	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	12	12	15		46	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	5	12	12	18		47	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	7	9	24		47	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	7	7	15	18		47	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	5	9	15	18		47	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	5	12	15	15		47	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	9	9	15	15		48	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	12	12	12	12		48	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524
	9	9	12	18		48	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524

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

COMBINATION TABLE

Heating															
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 UNIT	5	5	5	5	5	25	18,000	5.28	30,000	8.79	36,000	10.55	1,025	1,824	2,700
	5	5	5	5	7	27	19,440	5.70	32,400	9.50	38,880	11.40	1,111	1,997	3,096
	5	5	5	5	9	29	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	7	7	29	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	7	9	31	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	7	7	7	31	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	5	12	32	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	9	9	33	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	7	7	9	33	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	7	7	7	33	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	7	12	34	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	5	15	35	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	7	9	9	35	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	7	7	9	35	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	7	7	7	7	35	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	9	12	36	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	7	7	12	36	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	7	15	37	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	9	9	9	37	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	7	9	9	37	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	7	7	7	9	37	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	5	18	38	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	7	7	12	38	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	9	15	39	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	12	12	39	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	7	7	15	39	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	7	7	9	9	39	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	9	9	9	39	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	7	18	40	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	9	9	12	40	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	7	9	12	40	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	7	7	7	12	40	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	7	9	15	41	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	7	7	15	41	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	9	9	9	9	41	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	7	9	9	9	41	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	9	18	42	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	12	15	42	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	7	7	18	42	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	9	9	12	42	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	7	7	9	12	42	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	9	9	15	43	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	7	9	15	43	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	7	12	12	43	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	7	7	7	15	43	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	9	9	9	9	43	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	7	12	15	44	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	5	24	44	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	7	7	18	44	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	9	9	9	12	44	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	7	9	9	12	44	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	12	18	45	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	15	15	45	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	9	9	15	45	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	9	12	12	45	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	7	7	9	15	45	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	7	7	12	12	45	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	9	9	9	9	9	45	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	7	24	46	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	9	9	18	46	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	9	12	15	46	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	12	12	12	46	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	7	9	18	46	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	7	12	15	46	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	7	7	7	18	46	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	9	9	9	12	46	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	7	15	15	47	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	9	9	9	15	47	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	9	9	12	12	47	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	7	9	9	15	47	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	7	9	12	12	47	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	9	24	48	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	5	18	15	48	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	5	7	7	24	48	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	9	9	18	48	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	9	12	15	48	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	5	7	12	12	12	48	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	7	7	12	15	48	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	9	9	9	9	12	48	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477
	7	7	7	9	18	48	20,700	6.07	34,500	10.11	41,400	12.13	1,198	2,149	3,477

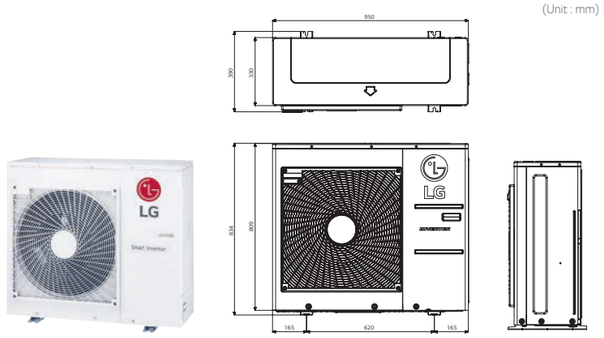
R410A
MULTI SPLIT

OUTDOOR UNITS

R410A

MU5M40

(Unit : mm)



OUTDOOR				MU5M40.U44
Compressor	Type			Scroll
Capacity*	Cooling	Min / Nom / Max	kW	1.3 / 11.2 / 14.7
	Heating	Min / Nom / Max	kW	1.5 / 12.5 / 16.0
Low Temperature Capacity	Heating -7℃	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℃)			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	dB(A)	53
	Heating	Nom	dB(A)	55
Sound Power Level	Cooling	Max	dB(A)	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	℃ DB	-10 ~ 48
	Heating	Min / Max	℃ WB	-25 ~ 18
Power Supply			V, Ø, Hz	220-240, 1, 50
Power Supply Cable			No. x mm²	3C × 3.5
Transmission Cable			No. x mm²	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	m	15
	IDU - IDU	Max	m	7.5
Piping Connection	Liquid		mm(inch) x No.	Ø 6.35 (1/4) × 5
	Gas		mm(inch) x No.	Ø 9.52 (3/8) × 5

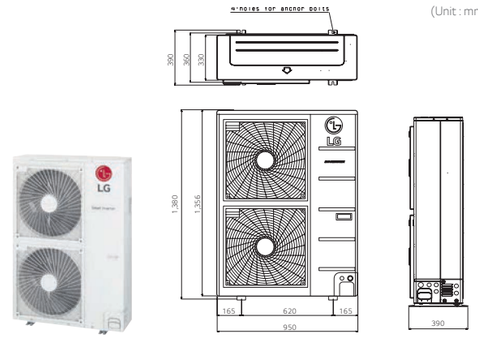
※ For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.
※ This Product is avable from Apr.2020
Note : 1. Capacities are based on the following conditions:
Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor 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

R410A

FM40AH
FM48AH
FM56AH

(Unit : mm)



OUTDOOR				FM40AH.U34	FM48AH.U34	FM56AH.U34
Compressor	Type		-	Scroll	Scroll	Scroll
Capacity*	Cooling	Min / Nom / Max	kW	2.8 / 12.3 / 15.4	3.3 / 14.1 / 17.0	4.0 / 15.5 / 18.5
	Heating	Min / Nom / Max	kW	3.1 / 13.5 / 16.2	3.7 / 16.0 / 17.3	4.5 / 17.4 / 18.8
Low Temperature Capacity	Heating	Max	kW	12.5	14.5	15.5
Power Input*	Cooling	Min / Nom / Max	kW	0.82 / 2.42 / 4.90	0.96 / 3.12 / 5.30	1.18 / 3.87 / 5.60
	Heating	Min / Nom / Max	kW	0.89 / 2.87 / 5.10	1.06 / 3.76 / 5.40	1.29 / 4.34 / 5.80
Running Current*	Cooling	Min / Nom / Max	A	3.7 / 11.0 / 22.2	4.4 / 14.1 / 24.0	5.3 / 17.5 / 25.4
	Heating	Min / Nom / Max	A	4.0 / 13.0 / 23.1	4.8 / 17.0 / 24.5	5.9 / 19.7 / 26.3
EER				5.08	4.51	4.01
COP				4.70	4.25	4.01
SEER				7.40	7.20	6.90
SCOP				4.20	4.20	4.20
Pdesign(@-10℃)			kW	8.6	9.5	9.5
Seasonal Energy Label (A++ to E Scale)	Cooling / Heating		-	- / -	- / -	- / -
Annual Energy Consumption		Cooling / Heating	kWh	981 / 2,867	1,167 / 3,167	1,348 / 3,167
Air Flow Rate		Nom	m^3/min x No.	110	110	110
Sound Pressure Level	Cooling	Nom	dB(A)	51	53	53
	Heating	Nom	dB(A)	53	55	55
Sound Power Level	Cooling	Max	dB(A)	69	71	73
	Heating	Max	dB(A)	70	72	74
Dimensions		W x H x D	mm	950 × 1,380 × 330	950 × 1,380 × 330	950 × 1,380 × 330
Net Weight			kg	87	87	87
Refrigerant	Type		-	R410A	R410A	R410A
	Charge		kg	4,200	4,200	4,200
	Additional Charging Volume		g/m	20	20	20
	GWP (Global Warming Potential)		-	2,087.5	2,087.5	2,087.5
	t-CO2 eq.		-	8.768	8.768	8.768
Operation Range (Outdoor)	Cooling	Min. ~ Max.	˚C DB	-10 ~ 48	-10 ~ 48	-10 ~ 48
	Heating	Min. ~ Max.	˚C WB	-25 ~ 18	-25 ~ 18	-25 ~ 18
Power Supply			V, Ø, Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm^2	3C × 4.0	3C × 4.0	3C × 4.0
Transmission Cable	ODU-BD		No. x mm^2	4C × 1.25	4C × 1.25	4C × 1.25
	BD-IDU		No. x mm^2	4C × 0.75	4C × 0.75	4C × 0.75
Circuit Breaker			A	40	40	40
Max Piping Length	Total Piping(Main+Total Branch)		m	125	135	145
	Main Piping		m	55	55	55
	Total Branch Piping		m	70	80	90
	Each Branch Piping		m	15	15	15
Piping Elevation Difference	IDU-ODU	Max.	m	30	30	30
	IDU-IDU	Max.	m	15	15	15
Piping Connections	Liquid		mm(inch) x No.	Ø 9.52 × 1	Ø 9.52 × 1	Ø 9.52 × 1
	Gas		mm(inch) x No.	Ø 19.05 ×1	Ø 19.05 ×1	Ø 19.05 ×1

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

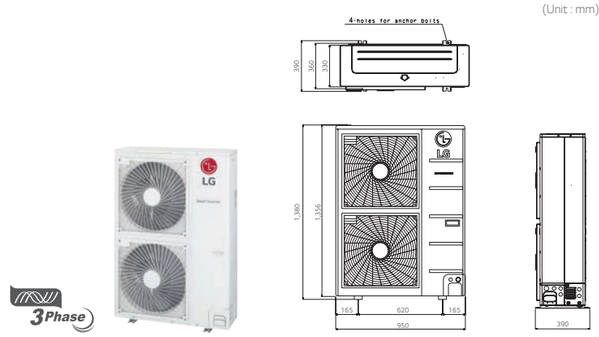
R410A MULTI SPLIT

OUTDOOR UNITS

R410A

FM41AH
FM49AH
FM57AH

(Unit : mm)



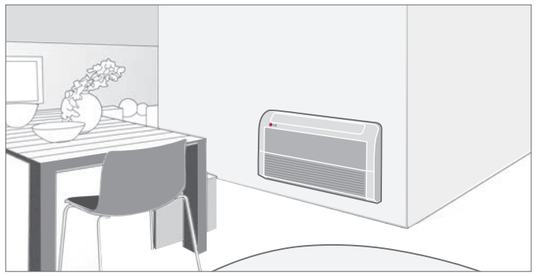
OUTDOOR				FM41AH.U34	FM49AH.U34	FM57AH.U34
Compressor	Type		-	Scroll	Scroll	Scroll
Capacity*	Cooling	Min / Nom / Max	kW	2.8 / 12.3 / 15.4	3.3 / 14.1 / 17.0	4.0 / 15.5 / 18.5
	Heating	Min / Nom / Max	kW	3.1 / 13.5 / 16.2	3.7 / 16.0 / 17.3	4.5 / 17.4 / 18.8
Low Temperature Capacity	Heating	Max	kW	12.5	14.5	15.5
Power Input*	Cooling	Min / Nom / Max	kW	0.82 / 2.42 / 4.90	0.96 / 3.12 / 5.30	1.18 / 3.87 / 5.60
	Heating	Min / Nom / Max	kW	0.89 / 2.87 / 5.10	1.06 / 3.76 / 5.40	1.29 / 4.34 / 5.80
Running Current*	Cooling	Min / Nom / Max	A	1.2 / 3.6 / 7.4	1.4 / 4.7 / 8.0	1.8 / 5.8 / 8.4
	Heating	Min / Nom / Max	A	1.3 / 4.3 / 7.7	1.6 / 5.7 / 8.1	1.9 / 6.5 / 8.7
EER				5.08	4.51	4.01
COP				4.70	4.25	4.01
SEER				7.40	7.20	6.90
SCOP				4.20	4.20	4.20
Pdesign(@-10℃)			kW	8.6	9.5	9.5
Seasonal Energy Label (A++ to E Scale)	Cooling / Heating		-	- / -	- / -	- / -
Annual Energy Consumption		Cooling / Heating	kWh	981 / 2,867	1,167 / 3,167	1,348 / 3,167
Air Flow Rate		Nom	m^3/min x No.	110	110	110
Sound Pressure Level	Cooling	Nom	dB(A)	51	53	53
	Heating	Nom	dB(A)	53	55	55
Sound Power Level	Cooling	Max	dB(A)	69	71	73
	Heating	Max	dB(A)	70	72	74
Dimensions		W x H x D	mm	950 × 1,380 × 330	950 × 1,380 × 330	950 × 1,380 × 330
Net Weight			kg	87	87	87
Refrigerant	Type		-	R410A	R410A	R410A
	Charge		kg	4,200	4,200	4,200
	Additional Charging Volume		g/m	20	20	20
	GWP (Global Warming Potential)		-	2,087.5	2,087.5	2,087.5
	t-CO2 eq.		-	8.768	8.768	8.768
Operation Range (Outdoor)	Cooling	Min. ~ Max.	˚C DB	-10 ~ 48	-10 ~ 48	-10 ~ 48
	Heating	Min. ~ Max.	˚C WB	-25 ~ 18	-25 ~ 18	-25 ~ 18
Power Supply			V, Ø, Hz	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm^2	5C × 2.5	5C × 2.5	5C × 2.5
Transmission Cable	ODU-BD		No. x mm^2	4C × 1.25	4C × 1.25	4C × 1.25
	BD-IDU		No. x mm^2	4C × 0.75	4C × 0.75	4C × 0.75
Circuit Breaker			A	20	20	20
Max Piping Length	Total Piping(Main+Total Branch)		m	125	135	145
	Main Piping		m	55	55	55
	Total Branch Piping		m	70	80	90
	Each Branch Piping		m	15	15	15
Piping Elevation Difference	IDU-ODU	Max.	m	30	30	30
	IDU-IDU	Max.	m	15	15	15
Piping Connections	Liquid		mm(inch) x No.	Ø 9.52 × 1	Ø 9.52 × 1	Ø 9.52 × 1
	Gas		mm(inch) x No.	Ø 19.05 ×1	Ø 19.05 ×1	Ø 19.05 ×1

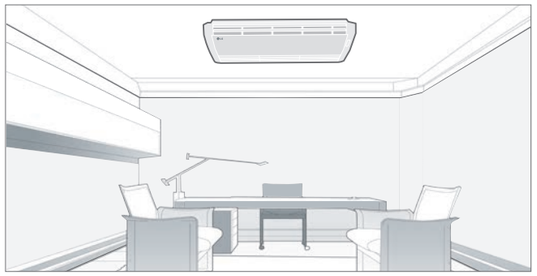
※ For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.
※ This Product is avable from Apr.2020
Note : 1. Capacities are based on the following conditions:
Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor 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)

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.



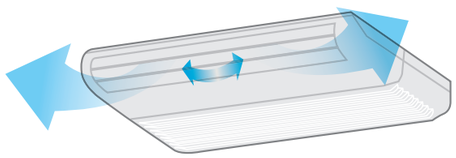


* Ceiling & Floor : CV09 NE2 / CV12 NE2

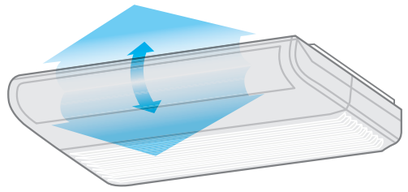
Air Flow Direction Control

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

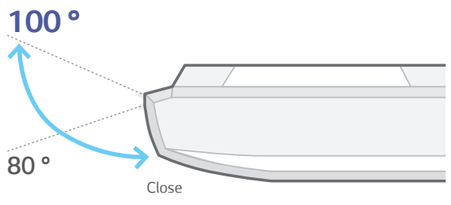
Horizontal



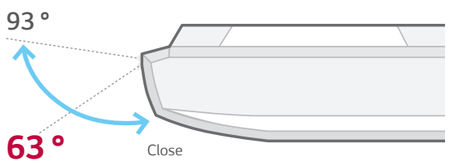
air flow



Cooling



Heating



CEILING & FLOOR CONVERTIBLE

CAPACITY (KW)	2.6	3.5	5.3	7.0
Ceiling & Floor Convertible unit 	CV09.NE2	CV12.NE2	-	-

Ceiling & Floor Convertible unit

INDOOR				CV09.NE2	CV12.NE2
Capacity	Cooling / Heating	Nom	kW	2.6 / 2.9	3.5 / 3.9
Power Input		Nom	W	30	40
Running Current		Nom	A	0.4	0.4
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50
Air Flow Rate		H / M / L	m³/min	7.6 / 6.9 / 6.2	9.2 / 7.6 / 6.6
Sound Pressure	Cooling	H / M / L	dB(A)	38 / 35 / 31	40 / 36 / 32
Sound Power	Cooling	Max	dB(A)	52	56
Dehumidification Rate			l/h	1.2	1.2
Dimensions	Body	W x H x D	mm	900 × 490 × 200	900 × 490 × 200
Net Weight	Body		kg	13.7	13.7
Piping Connection	Liquid		mm(inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)

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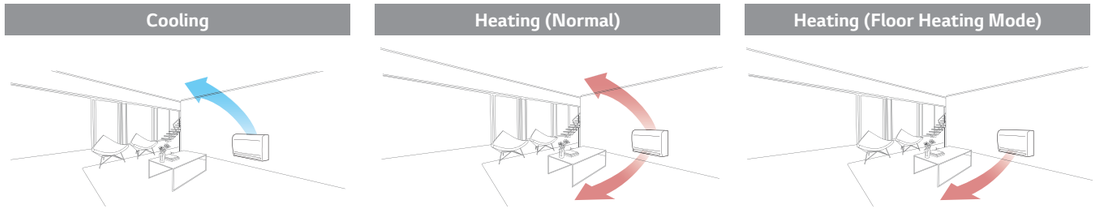
Note : 1. Capacities are based on the following conditions :
Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB
Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB
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

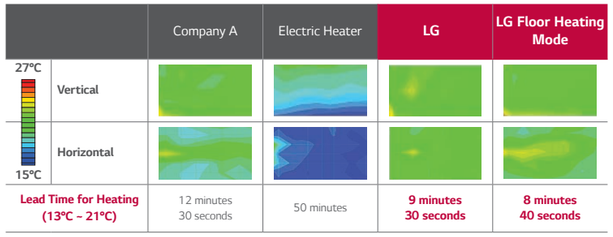
Optimised Air Flow for Cooling & Heating

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

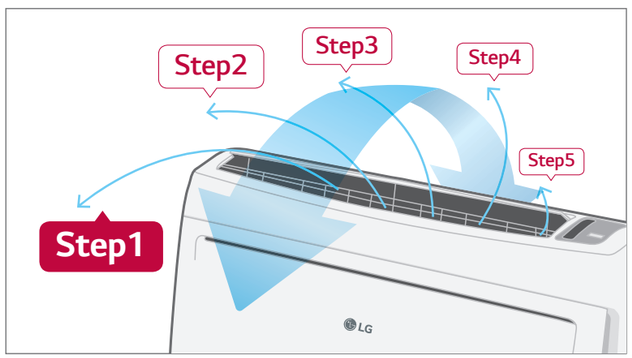
Console air conditioners offer a fast and powerful performance. Using the floor heating mode, console air conditioners provide faster floor heating nd help to reach the desired temperature quickly.



(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.NA0	CQ12.NA0	CQ18.NA0

Console

INDOOR				CQ09.NA0
Capacity	Cooling / Heating	Nom	kW	2.6 / 2.9
Power Input		Nom	W	20
Running Current		Nom	A	0.6
Power Supply			V, Ø, Hz	220-240, 1, 50
Air Flow Rate		H / M / L	m³/min	8.5 / 6.7 / 5.0
Sound Pressure	Cooling	H / M / L	dB(A)	38 / 32 / 27
Sound Power	Cooling	Max	dB(A)	53
Dehumidification Rate			l/h	1.2
Dimensions	Body	W x H x D	mm	700 × 600 × 210
Net Weight	Body		kg	14.0
Piping Connection	Liquid		mm(inch)	Ø6.35 (1/4)
	Gas		mm(inch)	Ø9.52 (3/8)

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

INDOOR				CQ12.NA0	CQ18.NA0
Capacity	Cooling / Heating	Nom	kW	3.5 / 3.9	5.3 / 5.8
Power Input		Nom	W	20	40
Running Current		Nom	A	0.6	0.7
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50
Air Flow Rate		H / M / L	m³/min	9.0 / 6.9 / 5.2	10.1 / 8.6 / 7.2
Sound Pressure	Cooling	H / M / L	dB(A)	39 / 32 / 27	44 / 39 / 35
Sound Power	Cooling	Max	dB(A)	56	60
Dehumidification Rate			l/h	1.4	2.3
Dimensions	Body	W x H x D	mm	700 × 600 × 210	700 × 600 × 210
Net Weight	Body		kg	14.0	14.0
Piping Connection	Liquid		mm(inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm(inch)	Ø9.52 (3/8)	Ø12.7 (1/2)

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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

PWFMDD200

Features

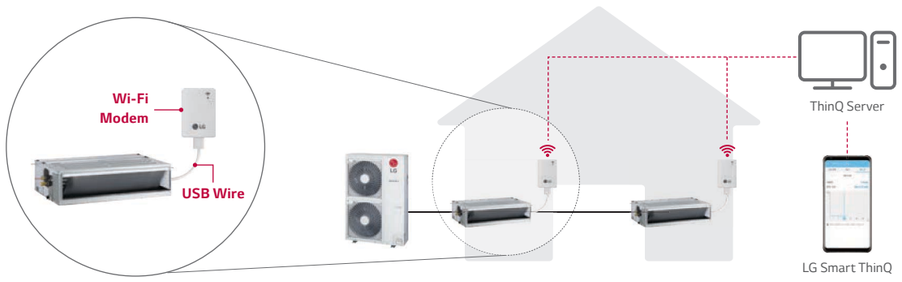
- Access LG air conditioner anytime and from anywhere with Wi-Fi equipped device
- LG's exclusive Home Appliances control app(SmartThinQ) is available
- Simple operation for various functions
  - On/Off
  - Fan Speed
  - Energy Monitoring [1)]
  - Operation Mode
  - Vane Control [2)]
  - Filter Management
  - Current/Set Temperature
  - Reservation (Sleep, Weekly On/Off)
  - Error check

MODEL NAME	PWFMDD200
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 Smart 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

Download on the App Store | GET IT ON Google Play

Overview



* Search "LG Smart 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

PREMTB10

Standard II

PREMTB001

PREMTB01

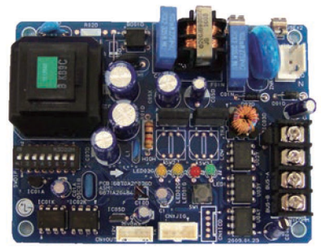
Model Name	PREMTB100 PREMTBB10	PREMTB001 PREMTBB01
Operation Mode	On/Off, Fan Speed Control, Temperature Setting	
Mode Change	Cooling / Heating / Auto / Dehumidification / Fan	
Auto Swing / Vane Control	•	•
Reservation	Simple / Sleep / On, Off / Weekly / Holiday	
Time Display	•	•
Electrical Failure Compensation	•	•
Child Lock	•	•
Operation Status LED	•	•
Indoor Temperature Display	•	•
WirelessRemoteControllerReceiver	-	•
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

※ 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	•	•	•	•

ACCESSORIES

Distributor Box

PMBD3620, PMBD3630, PMBD3640

Easy installation using the range of Distributor Boxes.

For	2 Indoors	3 Indoors	4 Indoors
Distributor	 PMBD3620	 PMBD3630	 PMBD3640

Various distributors can make much easier installation for any sites

Features

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

No Brazing

Just Flaring

Specification

			PMBD3620	PMBD3630	PMBD3640
Connectable Indoor Units	Number of Indoor Units		1 ~ 2	1 ~ 3	1 ~ 4
	Capacity		5k / 7k / 9k / 12k / 18k / 24k	5k / 7k / 9k / 12k / 18k / 24k	5k / 7k / 9k / 12k / 18k / 24k
Power Source		V, Ø, Hz	220-240, 1, 50	220-240, 1, 50	220-240, 1, 50
Power Consumption		W	10	10	10
Runing Current		A	0.05	0.05	0.05
Dimensions	W x H x D	mm(inch)	302 × 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
Accessories	Hanger (Bracket)	EA	4	4	4
	Screw	EA	8	8	8
	Manual	EA	1	1	1

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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

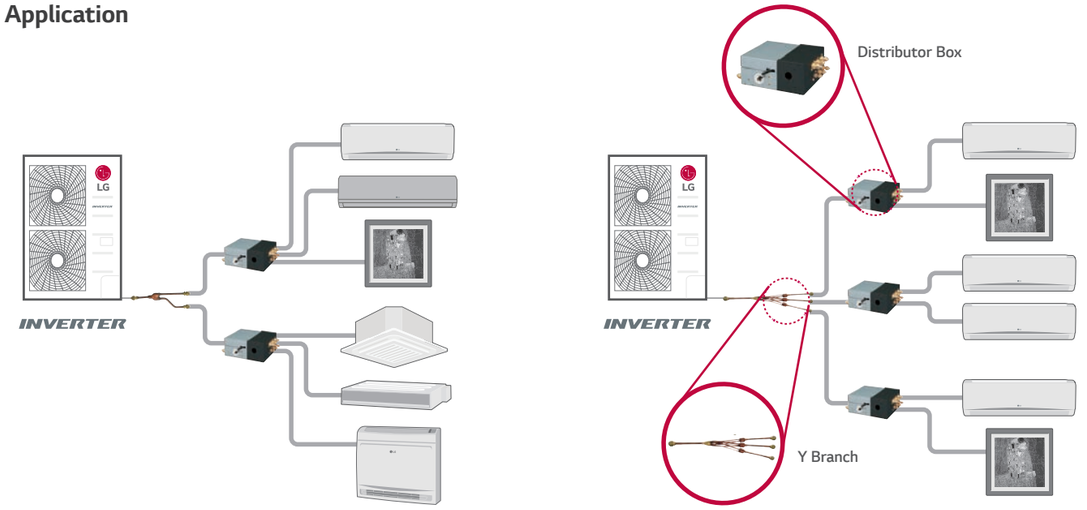
Y Branch and Branch Kit

PMBL5620 (2 units) / PMBL1203F0 (3 units)

Features

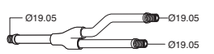
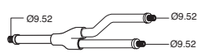
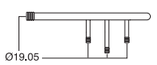
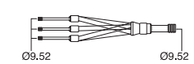
- Y Branch and Branch kit make Multi FDX installation much easier.
- Y Branch and Branch kit for both gas and liquid are provided.
- Insulation material is also provided for covering the branches.

Application



Accessory Model Name

(Unit : mm)

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

COMMERCIAL

SINGLE SPLIT

LINE - UP

H-INVERTER (R32)

STANDARD INVERTER (R32)

H-INVERTER (R32)									STANDARD INVERTER (R32)							
kBtu/h	Type / kW	Ceiling Mounted Cassette	Ceiling Concealed Duct		Ceiling Suspended	ODU			Ceiling Mounted Cassette	Ceiling Concealed Duct		Ceiling Suspended	Console / Wall Mounted	ODU		
			Mid Static	Low Static		1Ø	3Ø			Mid Static	Low Static			1Ø	3Ø	
9	2.5	UT09FH NQ0				UUA1 UL0			CT09F NR0		CL09F N50		UQ09 NA0	UUA1 UL0		
12	3.4	UT12FH NQ0	UM12FH N10	UL12FH N50					CT12F NR0		CL12F N50		UQ12 NA0			
18	5.0	UT18FH NB0	UM18FH N10	UL18FH N30	UV18FH N10	UUB1 U20			CT18F NQ0	CM18F N10	CL18F N60	UV18F N10	UQ18 NA0	UUB1 U20		
24	6.8	UT24FH NA0	UM24FH N20		UV24FH N20	UUC1 U40			CT24F NB0	CM24F N10	CL24F N30	UV24F N10		UUC1 U40		
30	8.0	UT30FH NA0	UM30FH N20		UV30FH N20				UT30F NB0	UM30F N10		UV30F N10	US30F NR0			
36	9.5	UT36FH NA0	UM36FH N30		UV36FH N20				UT36F NA0	UM36F N20		UV36F N20	US36F NR0			
42	12.0	UT42FH NA0	UM42FH N30		UV42FH N20	UUD1 U30	UUD3 U30		UT42F NA0	UM42F N20		UV42F N20		UUD1 U30	UUD3 U30	
48	13.4	UT48FH NA0	UM48FH N30						UT48F NA0	UM48F N30		UV48F N20				
60	14.6	UT60FH NA0							UT60F NA0	UM60F N30		UV60F N20				
70	20.0															
85	25.0															

LINE - UP

COMPACT INVERTER (R32)

STANDARD INVERTER (R410A)

COMPACT INVERTER (R32)								STANDARD INVERTER (R410A)				
kBtu/h	Type / kW	Ceiling Mounted Cassette	Ceiling Concealed Duct		Ceiling Suspended	Wall Mounted	ODU	Ceiling Concealed Duct (High Static)	Floor Standing	ODU	
			Mid Static	Low Static			1Ø			1Ø	3Ø
9	2.5										
12	3.4										
18	5.0	CT18F NQ0	CM18F N10	CL18F N60	UV18F N10		UUA1 UL0				
24	6.8	CT24F NB0	CM24F N10	CL24F N30	UV24F N10		UUB1 U20				
30	8.0	UT30F NB0	UM30F N10		UV30F N10	US30F NR0					
36	9.5	UT36F NA0	UM36F N20		UV36F N20	US36F NR0	UUC1 U40				
42	12.0										
48	13.4								UP48.NT2	UU48W.U32	UU49W.U32
60	14.6										
70	20.0							UB70.N94			UU70W.U34
85	25.0							UB85.N94			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	●	●	●	●	●	●	●	●	●
	Long Pipe Installation	●	●	●	●	●	●	●	●	●
Convenient Control System	LG ThinQ***	●	●	●	●	●	●	●	●	●
	Easy control (PI-485 Connection)	●	●	●	●	●	●	●	●	●
	1 Point External Input****	●	●	●	●	●	●	●	●	●
	Forced Cooling Operation			●	●	●	●	●	●	●
	Mobile LG MV	●	●	●	●	●	●	●	●	●
	Weekly Program*****	●	●	●	●	●	●	●	●	●
Enhanced Application	Synchro function									
	Connection with AHU			●	●	●	●	●	●	●

* With controller PREMTB001 / PREMTBB01 / PREMTB100 / PREMTBB10
** Available only for Celling Mounted cassette (840 x 840), Celling Suspended, Console models.
*** Available with LG Wi-Fi modem(PWFMDD200) 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	36
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	●	●	●	●	●	●	●	●	●	●	●	●	●
	Long Pipe Installation	●	●	●	●	●	●	●	●	●	●	●	●	●
Convenient Control System	LG ThinQ***	●	●	●	●	●	●	●	●	●	●	●	●	●
	Easy control (PI-485 Connection)	●	●	●	●	●	●	●	●	●	●	●	●	●
	1 Point External Input****	●	●	●	●	●	●	●	●	●	●	●	●	●
	Forced Cooling Operation			●	●	●	●	●	●	●		●	●	
	Mobile LG MV	●	●	●	●	●	●	●	●	●	●	●	●	●
	Weekly Program*****	●	●	●	●	●	●	●	●	●	●	●	●	●
Enhanced Application	Synchro function						●	●	●	●				
	Connection with AHU			●	●	●	●	●	●	●		●	●	●

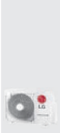
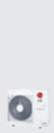
* With controller PREMTB001 / PREMTBB01 / PREMTB100 / PREMTBB10
** Available only for Celling Mounted cassette (840 x 840), Celling Suspended, Console models.
*** Available with LG Wi-Fi modem(PWFMDD200) and it should be connected to the indoor unit
**** Available except for Wall Mounted Unit.
***** 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) SEER A+++ ~ A++	**High Performance** - Suitable for high quality functions - Maximum pipe length up to 85m * - Floor Detection Sensor (Default) - Wide Cooling operation range (-20℃ ~ 52℃) & 100% Capacity at 48℃ * - Wide Heating operation range (-25℃ ~ 18℃) & 100% Capacity at -15℃ *	 UUA1	 UUB1	 UUC1			 UUD1/3			
STANDARD INVERTER (R32) SEER A++ ~ A+	**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℃ ~ 52℃)* - Wide Heating operation range (-25℃ ~ 18℃)*	 UUA1	 UUB1	 UUC1			 UUD1/3			
COMPACT INVERTER (R32) SEER A++ ~ A	**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℃ ~ 50℃)* - Heating operation range (-15℃ ~ 18℃)*			 UUA1	 UUB1	 UUC1				

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

Application : Premium residences & office spaces
Solution : H-Inverter

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

* Based on maximum operation

※ The indoor unit functions is an example of cassette model.
※ The specification can be different as per each model or combination.

Application : Large restaurant & cafes
Solution : Standard Inverter

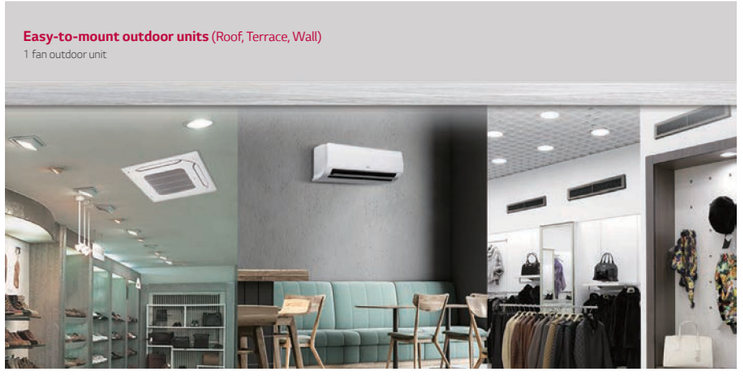
Wide commercial applications

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

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

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

Application : Small shops
Solution : Compact Inverter



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)

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

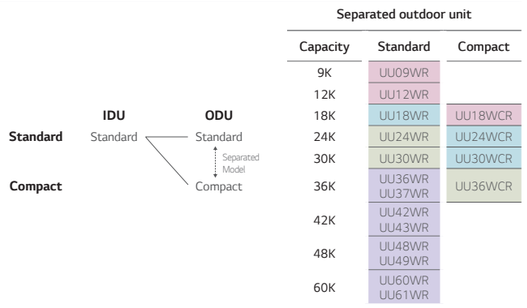
※ The specification can be different as per each model or combination.

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.

PREVIOUS (FIXED COMBINATION)

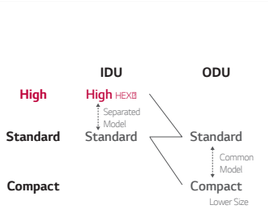


Capacity	Standard	Compact
9K	UU09WR	
12K	UU12WR	
18K	UU18WR	UU18WCR
24K	UU24WR	UU24WCR
30K	UU30WR	UU30WCR
36K	UU36WR UU37WR	UU36WCR
42K	UU42WR UU43WR	
48K	UU48WR UU49WR	
60K	UU60WR UU61WR	

Separated outdoor unit

Total **17 model**

NEW (FREE COMBINATION)



Capacity	Standard	Compact
9 / 12K	UUA1	
18K	UUB1	UUA1
24 / 30K	UUC1	UUB1
36K	UUD1/3	UUC1
48 / 60K	UUD1/3	

Separated outdoor unit

Total **5 model**

LINE UP	CST	DUCT	CVT	OTHERS	TOTAL
High	-	-	-	-	-
Standard	13	15	11	1	40
Compact	-	4	-	1	5
Total	13	19	11	2	**45**

Total Line-up is increased from 45 to 93 sets

LINE UP	CST	DUCT	CVT	OTHERS	TOTAL
High	13	12	7	-	32
Standard	13	15	11	6	45
Compact	4	6	4	2	16
Total	30	33	22	8	**93**

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)				
		Cassette	Duct		Ceiling Suspended	Cassette	Duct		Ceiling Suspended	Console / Wall Mounted	Cassette	Duct		Ceiling Suspended	Wall Mounted
Btu/h	kW		Mid Static	Low Static			Mid Static	Low Static				Mid Static	Low Static		
9k	2.5	UT09FH			NEW!	CT09F		CL09F		NEW! UQ09F					
12k	3.4	UT12FH	UM12FH	UL12FH		CT12F		CL12F		UQ12F					
18k	5.0	UT18FH	UM18FH	UL18FH	UV18FH	CT18F	CM18F	CL18F	UV18F	UQ18F	NEW! CT18F	CM18F	CL18F	UV18F	NEW!
24k	6.8	UT24FH	UM24FH		UV24FH	CT24F	CM24F	CL24F	UV24F		CT24F	CM24F	CL24F	UV24F	
30k	8.0	UT30FH	UM30FH		UV30FH	UT30F	UM30F		UV30F	US30F	UT30F	UM30F		UV30F	US30F
36k	9.5	UT36FH	UM36FH		UV36FH	UT36F	UM36F		UV36F	US36F	UT36F	UM36F		UV36F	US36F
42k	12.0	UT42FH	UM42FH		UV42FH	UT42F	UM42F		UV42F						
48k	13.4	UT48FH	UM48FH			UT48F	UM48F		UV48F						
60k	14.6	UT60FH				UT60F	UM60F		UV60F						

Common ODU	UUA1	UUB1	UUC1	UUD1 (1Ø) UUD3 (3Ø)
	770 × 545 × 288	870 × 650 × 330	950 × 834 × 330	950 × 1380 × 330

Differentiated Specification

LG Single Split provides differentiated features (performance/installation/convenience) with each product line.

Items		H-INVERTER High Performance	STANDARD Wide commercial applications	COMPACT Compact & Cost Effective	19Y Standard (R32)
Performance	SEER Class	A+++ ~ A+	A++ ~ A+	A++ ~ A	A++ ~ A+
	Cooling Capacity* @48℃	112%	105%	88%	100%
	Heating Capacity* @-15℃	124%	107%	98%	100%
	Operation Range (Cooling, DB)	-20 ~ 50 ℃		-10 ~ 48 ℃	-15 ~ 48 ℃
	Operation Range (Heating, WB)	-20 ~ 18 ℃		-15 ~ 18 ℃	-18 ~ 18 ℃
Installation	Max. Pipe Length	50 m		35 m	50 m
	Cooling Capacity @50m	113%	109%	-	100%
	Drain Pump (Cassette)	○	○	○	○
	Drain Pump (Duct, Suspended)	○	Accessory	Accessory	Accessory
Convenience	Humidity Control (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
Others	Synchro Application	N/A	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++
SCOP	4.0	4.0	4.4	4.8	4.8	4.5	4.4
	A+	A+	A+	A++	A++	A+	A+

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

European Energy Labeling

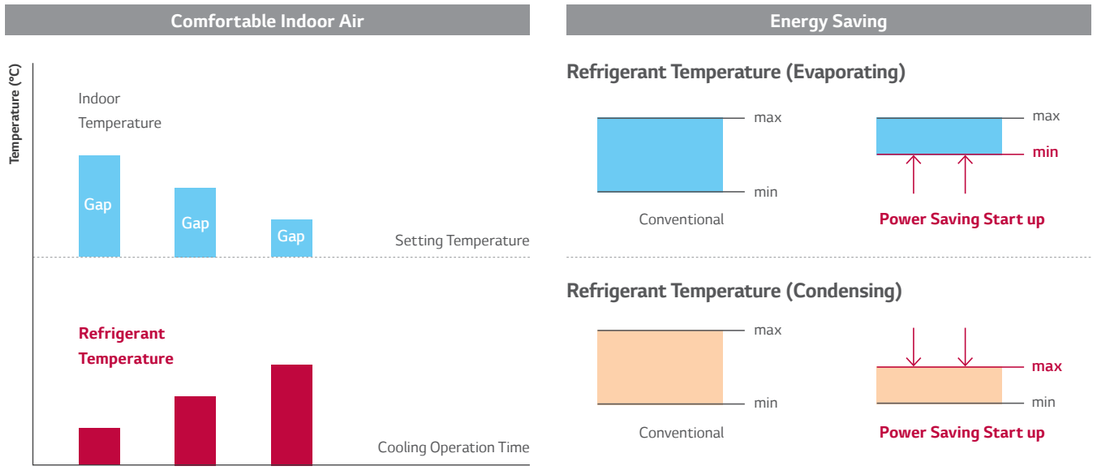
	SEER	SCOP
A+++	SEER ≥ 8.5	SCOP 5.1
A++	6.1 ≤ SEER < 8.5	4.6 ≤ SCOP < 5.1
A+	5.6 ≤ SEER < 6.1	4.0 ≤ SCOP < 4.6
A	5.1 ≤ SEER < 5.6	3.4 ≤ SCOP < 4.0
B	4.6 ≤ SEER < 5.1	3.1 ≤ SCOP < 3.4
C	4.1 ≤ SEER < 4.6	2.8 ≤ SCOP < 3.1
D	3.6 ≤ SEER < 4.1	2.5 ≤ SCOP 2.8

* Based on Ceiling Cassette (6.8 kW)

SUPREME ENERGY EFFICIENCY

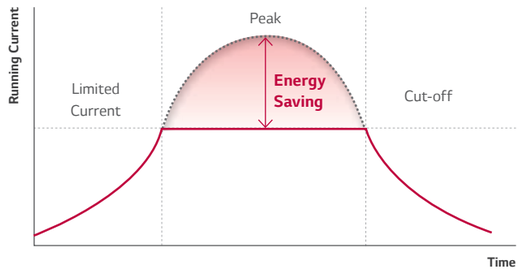
Energy Savings

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.



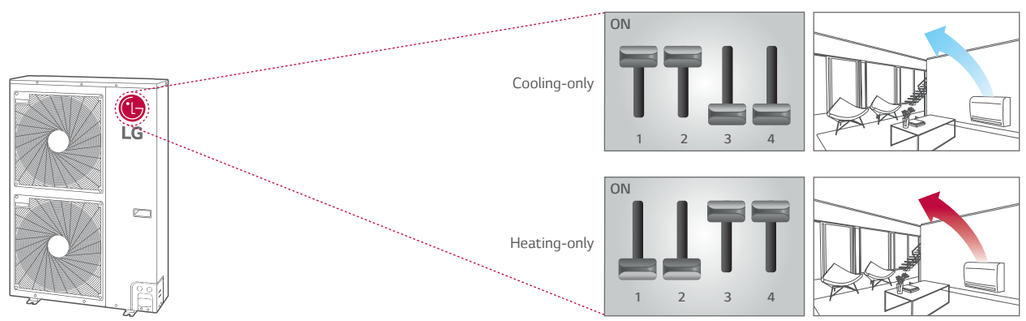
Peak Current Control

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.

DUAL SENSING CONTROL

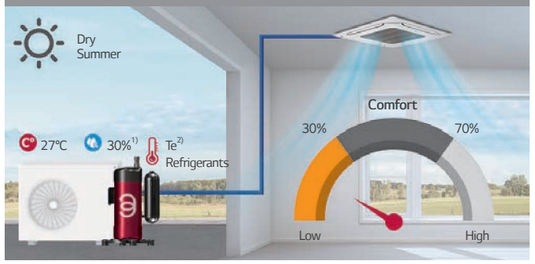
By sensing both temperature and humidity, this feature helps avoid over-cooling and dehumidification, maximizing comfort

※ 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

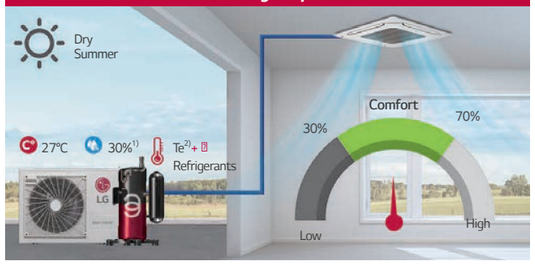
During a dry summer season, the system senses the low humidity levels and decreases the operating ratio to increase humidity for a more comfortable environment and energy efficient operation.

General Model



- **Uncomfortable Environment**
  Excessive latent heat elimination regardless of humidity
- **Waste Energy**
  Eliminate latent heat unnecessarily

LG Single Split



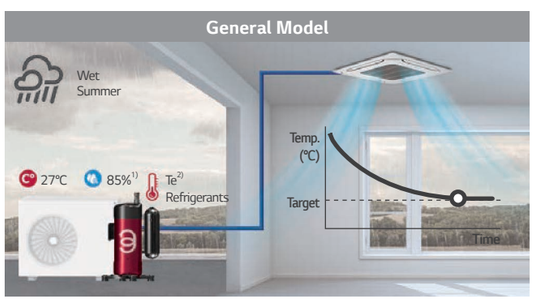
- **Comfortable Environment**
  By making the room less dry
- **Increased Energy Efficiency**
  Provide optimized cooling and save energy considering humidity

Humidity Condition : Low(< 30%), Standard(30~70%)
1) Indoor Condition 2) Evaporation Temperature

Wet Summer

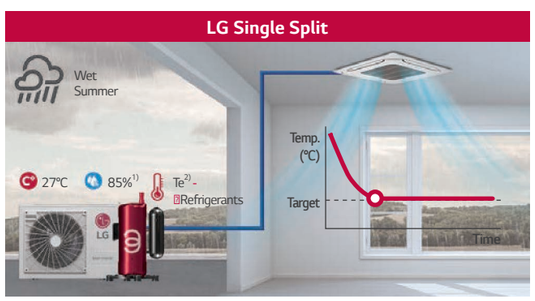
During a wet summer season, the system senses the high humidity levels and increases the operating ratio to rapidly decrease humidity for a more comfortable indoor environment.

General Model



- **Uncomfortable Environment**
  General latent heat elimination regardless of humidity

LG Single Split



- **Comfortable Environment**
  Quick latent heat elimination with humidity sensors

1) Indoor Condition 2) Evaporation Temperature

COMFORTABLE ENVIRONMENT

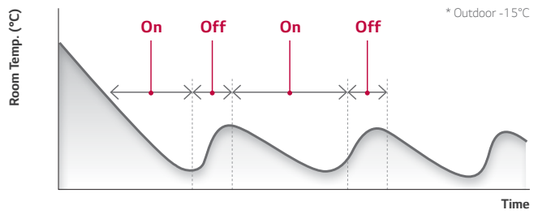
Night Silent Operation

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

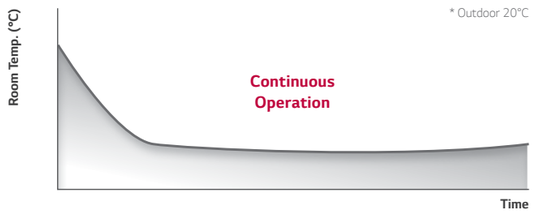
LG Single Split is able to perform continuous cooling at low ambient temperature (as low as -15℃)

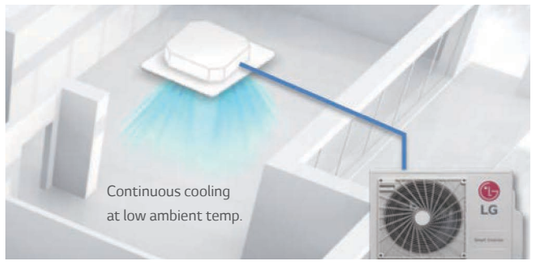
Previous



* Based on a stand 36k model (before 2019)

LG Single Split





* Based on a stand 36k model (after 2019)

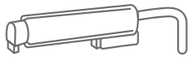
HIGH PERFORMANCE & RELIABILITY

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



Temperature Sensor

Sensing ▶ Estimating Pressure

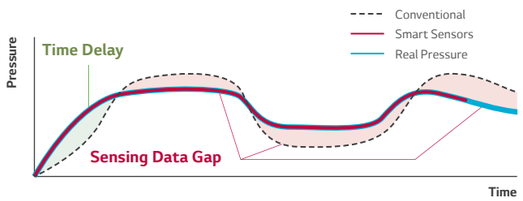
It takes more time
/ Lack of reliable

Smart Sensor

Temperature Sensor + Pressure Sensor

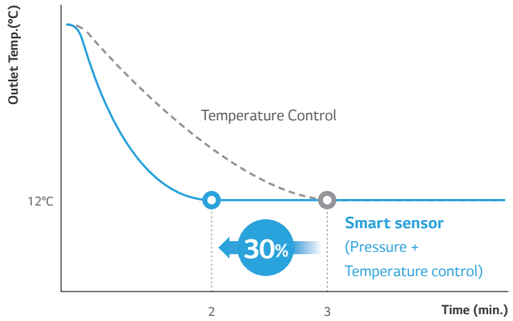
Directly Sensing refrigerant pressure ▶ Operate Compressor

Quick and
reliable operation



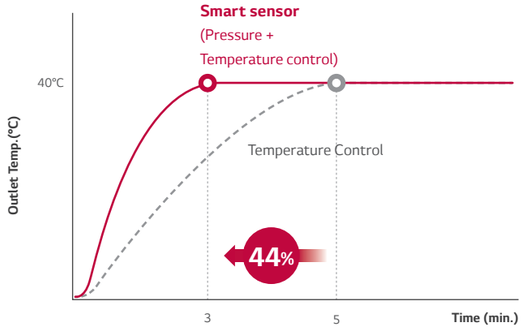
- With pressure sensing, the desired temperature is acheived in 30% less time in cooling and 44% in heating.

• Cooling



※ Based on internal test data

• Heating

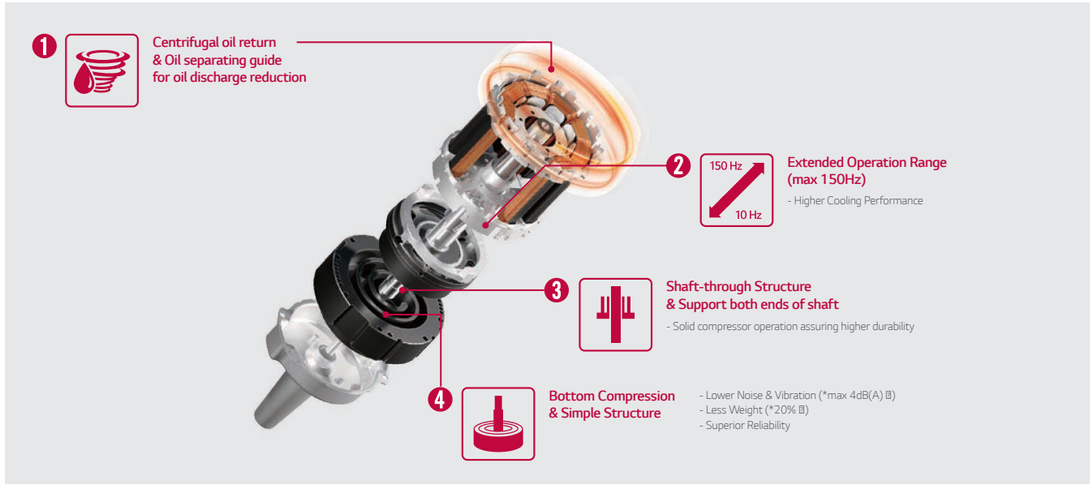


※ Based on internal test data

HIGH PERFORMANCE & RELIABILITY

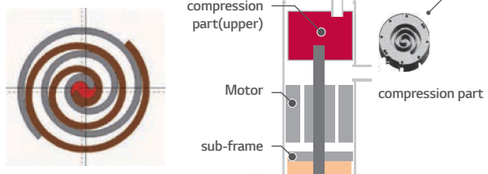
R1 Compressor™

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.

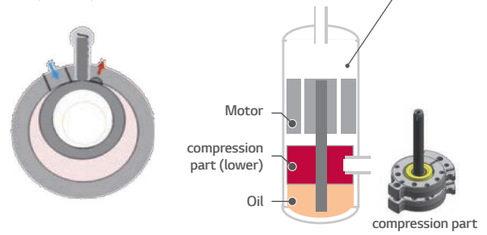


Conventional Compressor

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

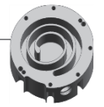


Rotary : Simple structure
(Compression per 1 rotation)

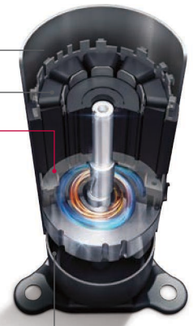


R1 Compressor™

Revolutionary Scroll : High efficiency / Stable & Simple Structure



Hybrid Scroll Shape
(LG patent)*
* Patent registration number (S.Korea : 10-1059880, USA : RE46106)

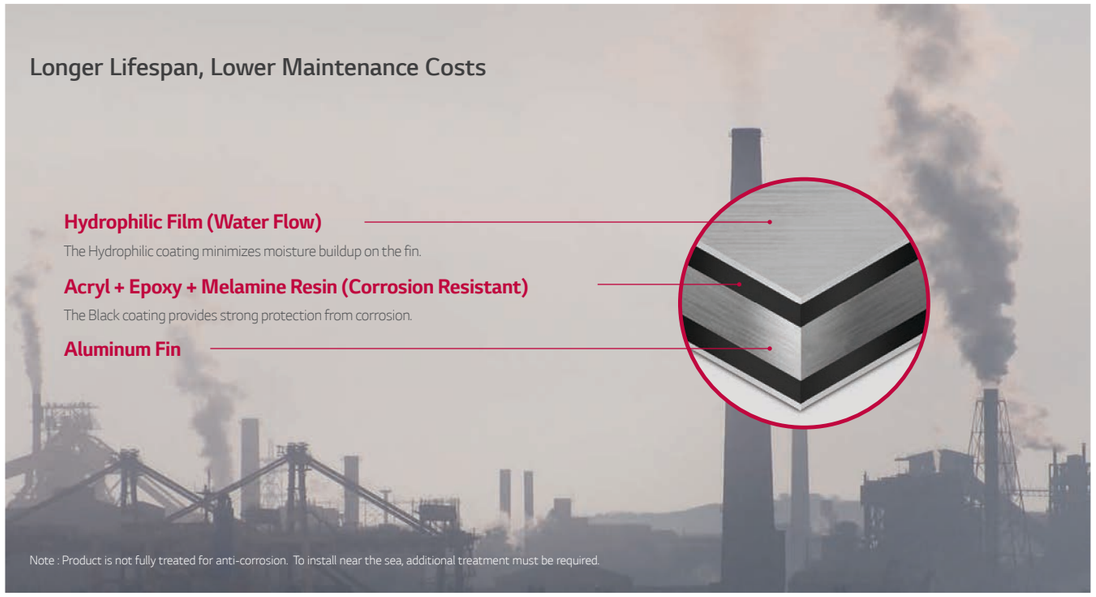


Extended operation **(Max. 150Hz)**
Low noise & Vibration **(Max. 4dB(A)↓)**
Less weight **(20%↓)**

HIGH PERFORMANCE & RELIABILITY

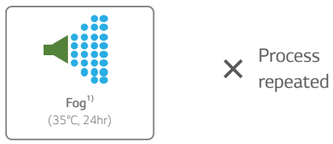
Corrosion Resistance Black Fin

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.



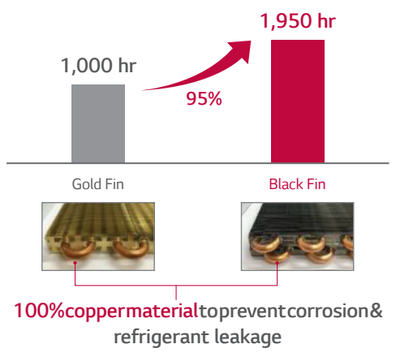
SST (Salt Spray Test)

Test Process



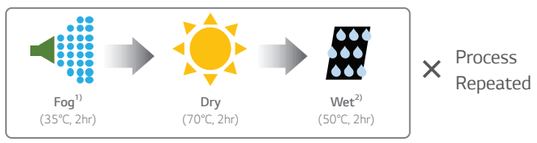
Test process is conducted according to ISO 9227.
1) Salty water concentration : NaCl aqueous solution (5%)

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



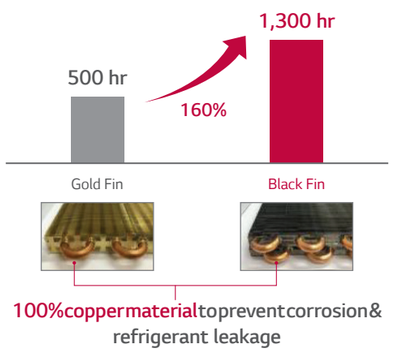
CCT (Cyclic Corrosion Test)

Test Process



Test process is conducted according to ISO 14933.
1) Salty water concentration : NaCl aqueous solution (5%)
※ Dry condition changed : 60℃, 4hr ▯ 70℃, 2hr
2) Deionized water

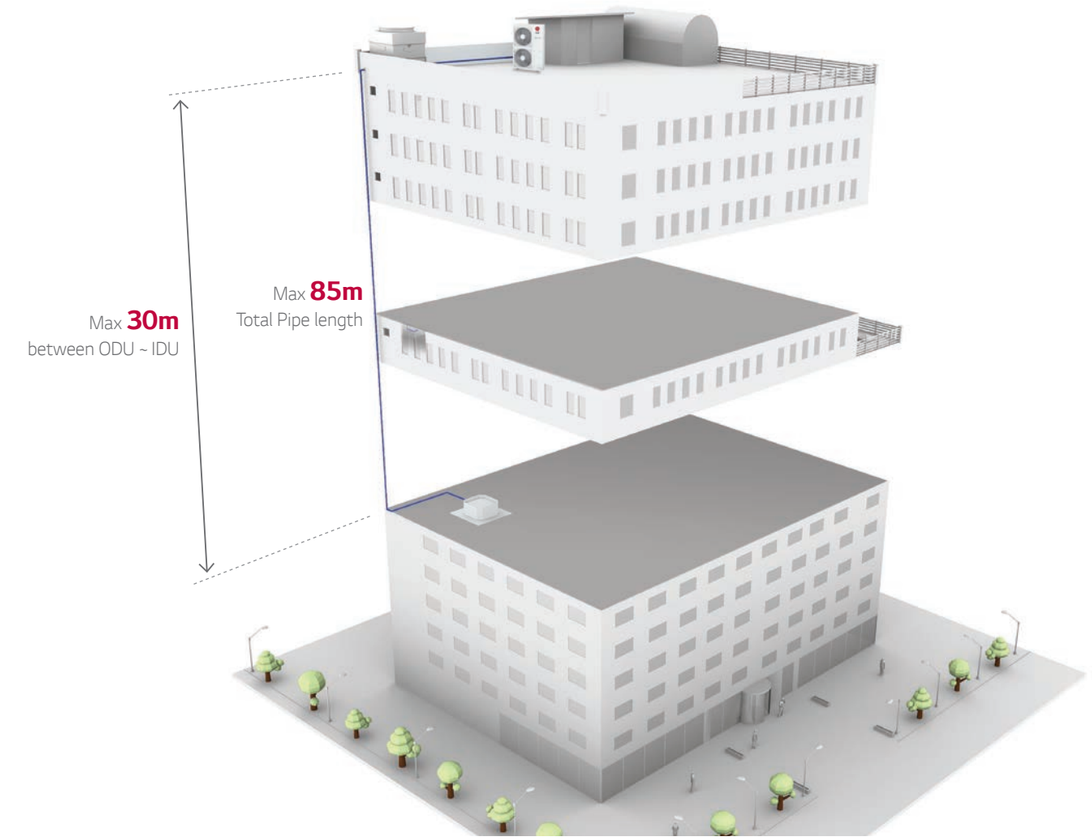
Test Result (5% Area of defects compared to initial)



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.

※ Search "LG ThinQ" on Google or Apple store then download the app.
※ Wi-Fi modem (PWFMDD200) is required by option.

Access your air conditioner anytime and from anywhere

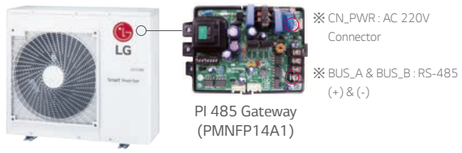
Simple operation for various functions

- 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.
- Launched country : Germany, UK, Ireland, Austria, Switzerland, France, Spain, Italy, Russia, Norway, Netherland, Portugal, Turkey, Sweden, Denmark

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.

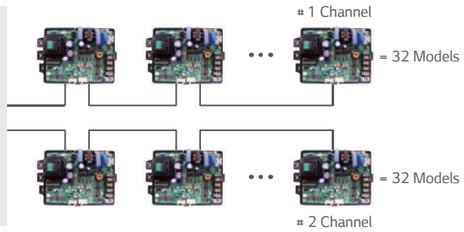


PI 485 Gateway (PMNFP14A1)

AC Ez Touch (PACEZA000)
Max. 1 Channel
Max. 32 unit

AC Smart 5 (PACS5A000)
Max. 2 Channels
Max. 64 unit

ACP 5 (PACP5A000)
Max. 4 Channels
Max. 128 unit

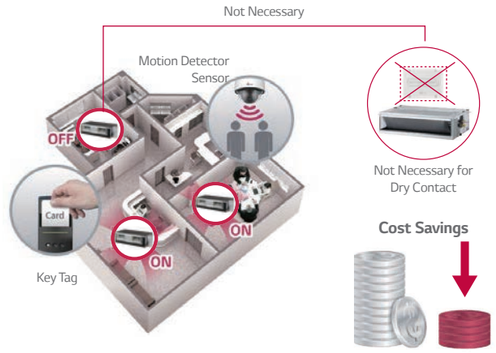


CONVENIENT CONTROL SYSTEM

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

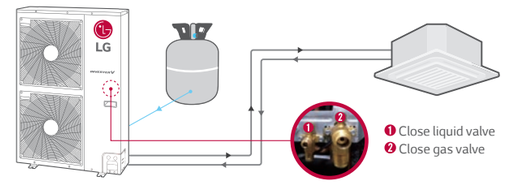


* In case of needing more functions beside on / off control, a dry contact is required to be installed.

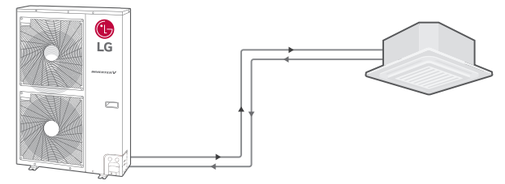
Forced Cooling Operation

This function allows the refrigerant to be recharged or pumped down, regardless of the indoor temperature. Note that this function can be used when indoor units are being moved or repaired.

Recharging



Pump Down



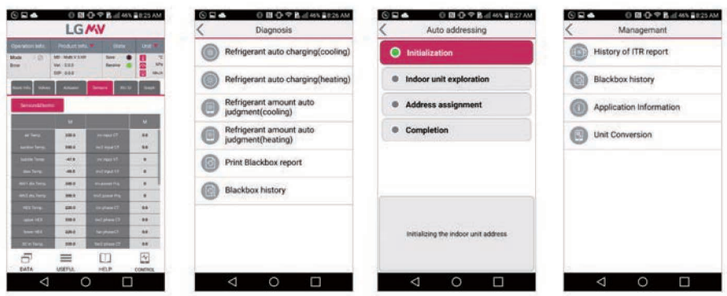
Mobile LGMV

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

Install / SVC Engineer Mobile LGMV

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



Cycle Monitoring Diagnosis Installation Smart Management

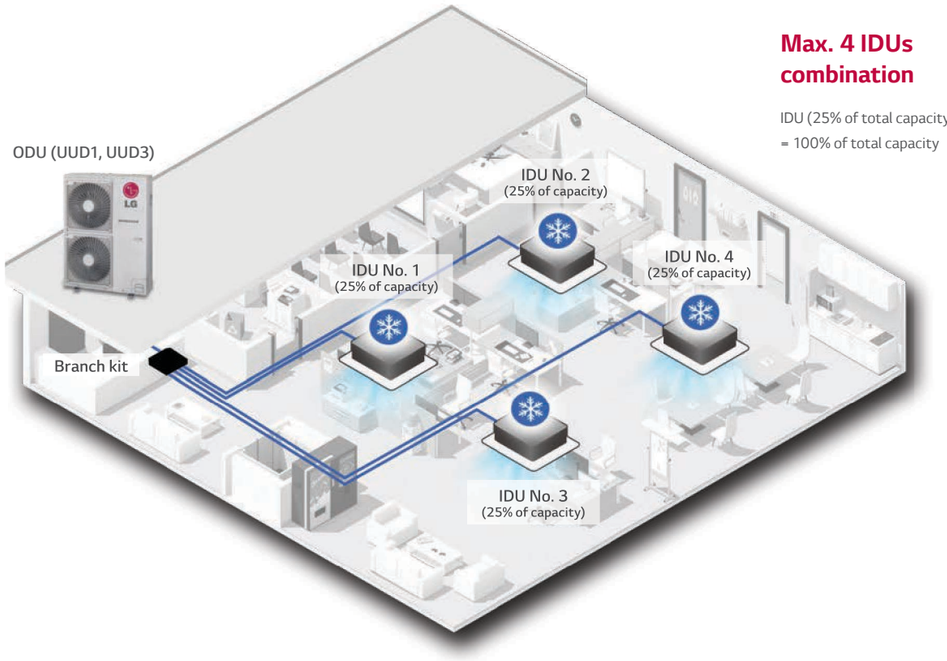
A technician not only can check the **cycle information** with diagrams & graph, but also check easily the **error status** (troubleshooting guide) and take action immediately.

※ Search "Mobile LGMV" on Google or Apple store then download the app.
※ Wi-Fi modem (PWFMDD200) is required by option.

ENHANCED APPLICATION

Synchro function

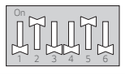
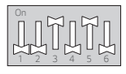
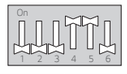
Maximum 4 indoor units can be combined by using a branch kit and setting dip switch for one outdoor unit. It can be easily applied to various sites.



Max. 4 IDUs combination

IDU (25% of total capacity) x 4EA
= 100% of total capacity

Combination table

Model	Duo		Trio		Quartet	
	Cassette	Duct	Cassette	Duct	Cassette	duct
UUD1, 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						

2	3	4
PMUB11A	PMUB111A	PMUB1111A
		

Note

1. 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.
2. Branch kits are required for operating Synchro models.

ENHANCED APPLICATION

Connection with AHU

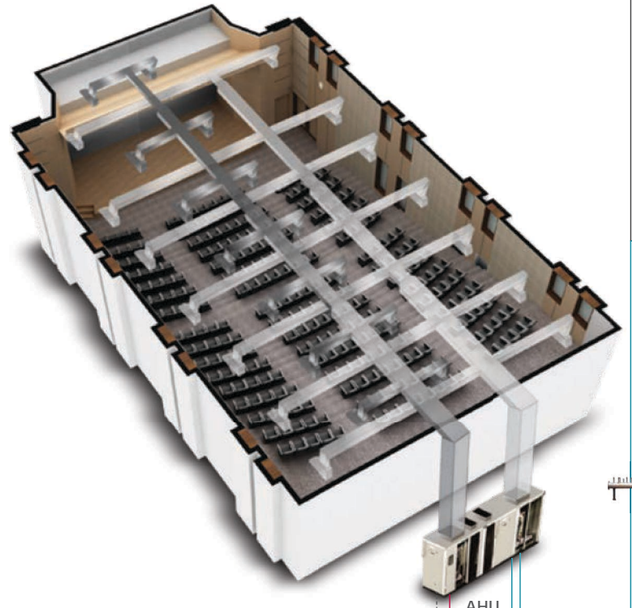
Single split can be connected to AHU using communication kit.

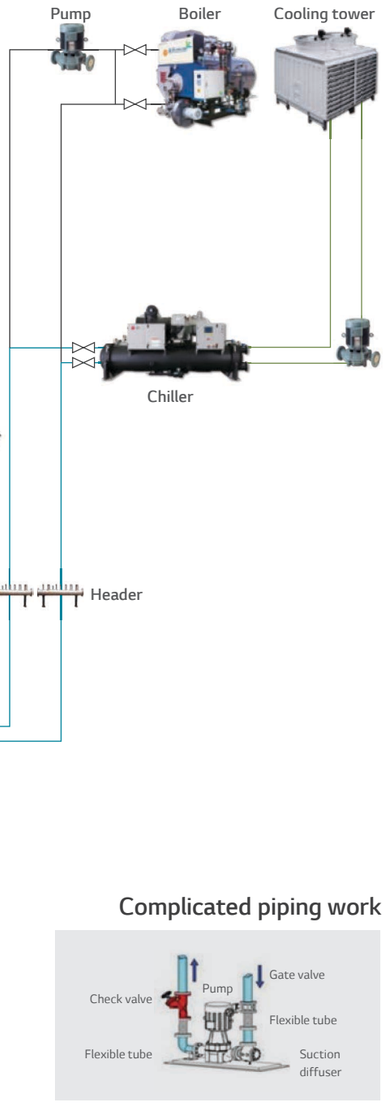
SIMPLE | **COMPLICATED**

Simple and space saving

Easy installation

Low maintenance cost





Complicated piping work

* 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

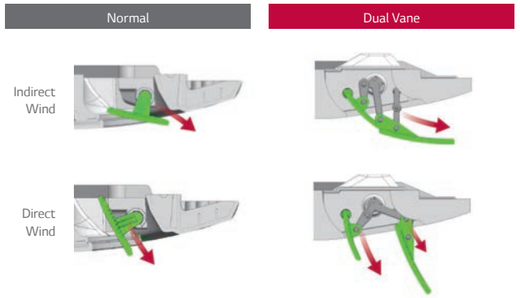
CEILING MOUNTED CASSETTE

NEW DESIGN

4-way air flow with new dual vane design

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

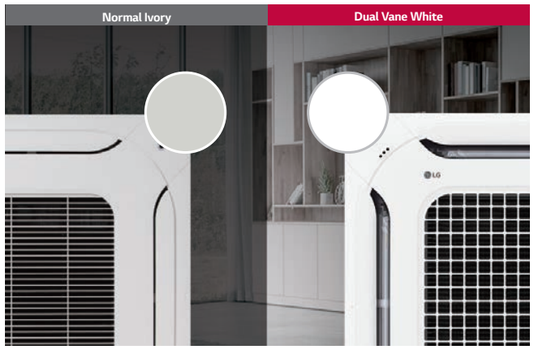
New types wind



6 air flow modes

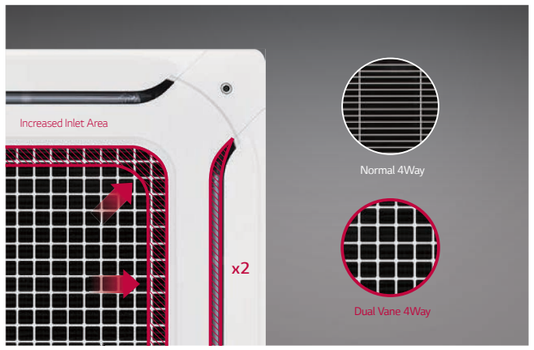
Brighter Color

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.

Turbo fan

Full 3D Turbo fan

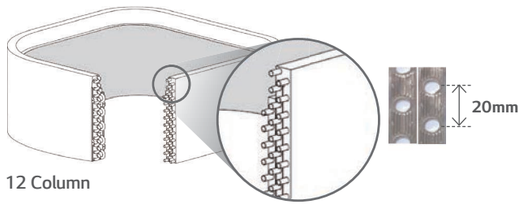
Power consumption 13W ▯, Noise 3dB(A) ▯

Improved outlet flow rate

High Efficiency Heat Exchanger (HEX)

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

Normal HEX

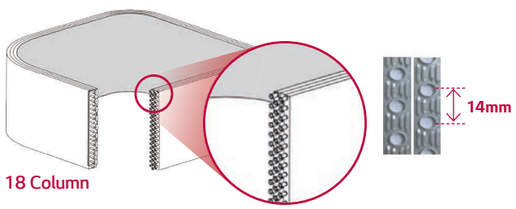


12 Column

Tube Column	12 Column
Fin per Inch	21

※This specification can be different as per each model.

High Efficient Ø5 HEX



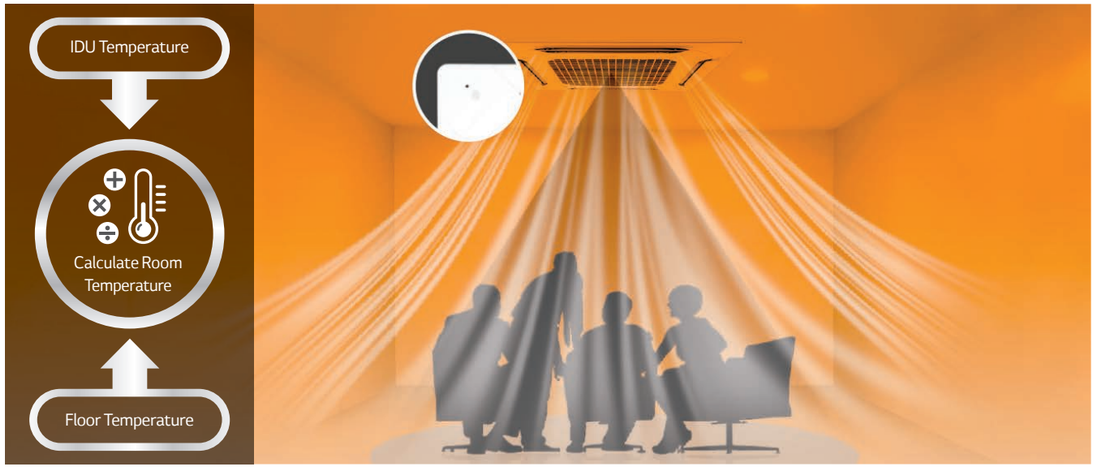
18 Column

Tube Column	18 Column
Fin per Inch	22

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



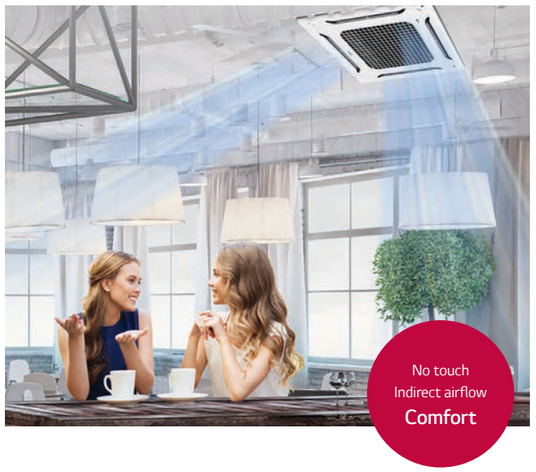
※ Available only for products with floor temperature sensor.

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.



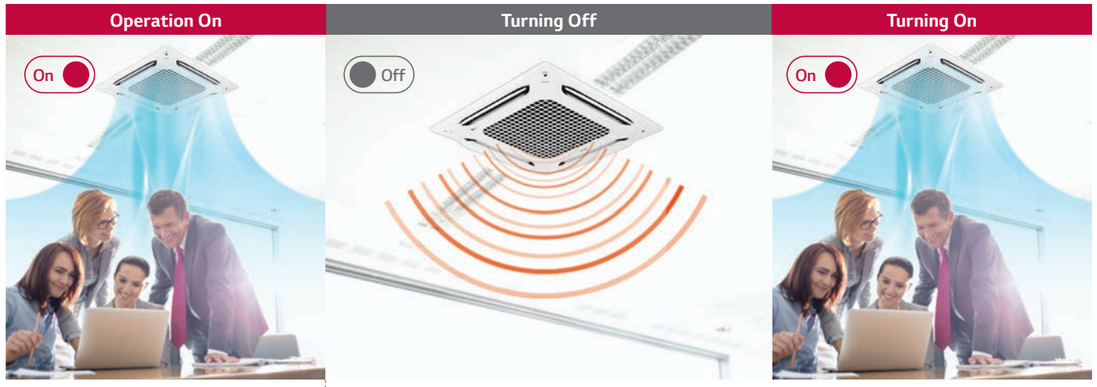
Follow user Direct

Prefer air flow to heading to user by sensing.

SMART

Human detecting ON/OFF Learning operation system

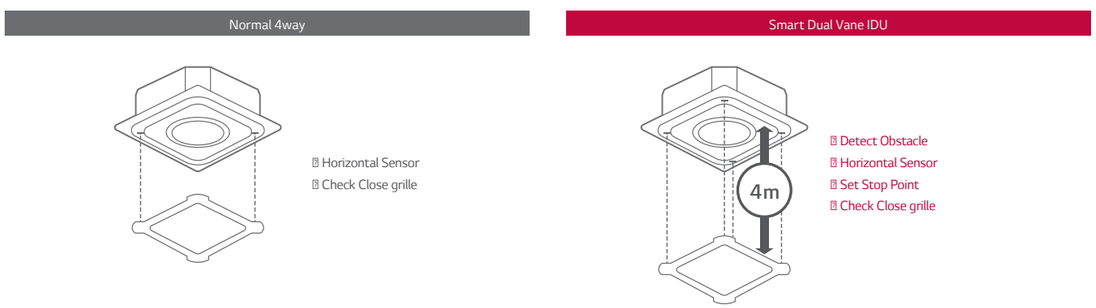
IDU senses people to switch ON/OFF for Max. 54% power saving.



※ Smart Dual Vane Indoor Unit '19 Line up.
※ Data Based on actual test of LG, single product 2 hours measurement result. (cooling 26 ℃, strong wind)

Elevation Grill

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



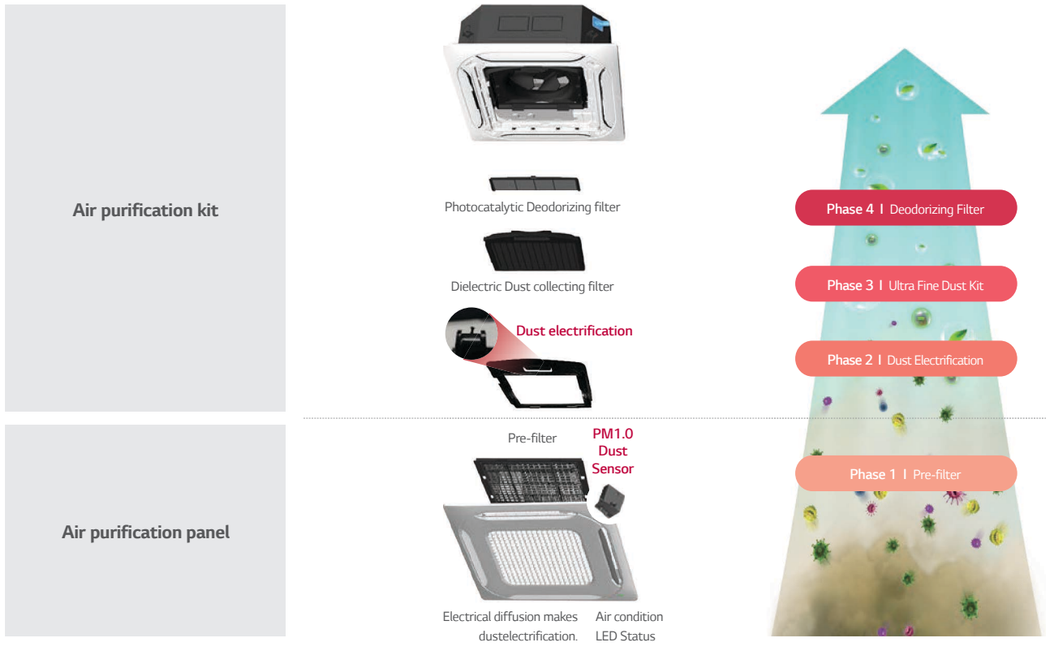
SMART

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 (PTAFMP0) and Air purification panel (PT-AFGW0) are installed.

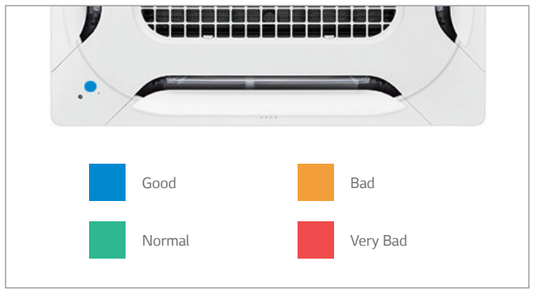
SMART

Various Display of Air purifying

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

IDU LED

Shows quality of
Indoor air in real time

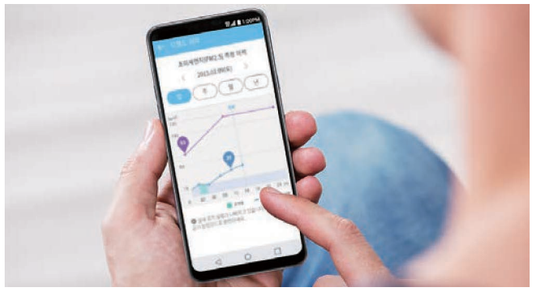


Remote controller

Display Air status and
Fine Dust Concentration

Mobile

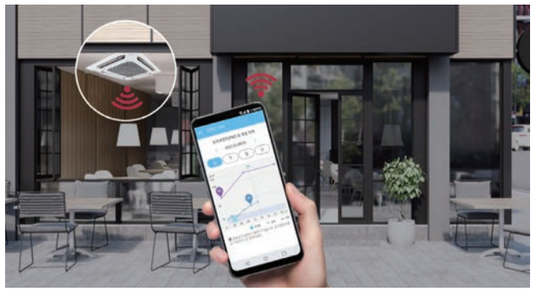
Whenever & Wherever
Check and Control Air status



Pairing LG ThinQ

Anywhere! Anytime! Can connect to IDU with LG ThinQ

- Monitoring Air status Easy to check indoor air status
  - Ultra Fine / Extra Fine / Fine Dust
  - Day / Week /Month / Yearly
- Mobile Remote Control Remote control by using mobile phone
  - Control Mode / Temperature / Air flow etc.
- Display Power Consumption Check power consumption of A/C
  - Check energy display
  - Set target energy consumption level



CEILING MOUNTED CASSETTE

R32

H-INVERTER (R32)

UT09FH
UT12FH
UT18FH
UT24FH
UT30FH

EUROVENT CERTIFIED PERFORMANCE

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

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

COMBINATION				9	12	18	24	30
Capacity	Cooling	Min ~ Rated ~ Max	kW	1.6 / 2.5 / 4.0	1.6 / 3.4 / 4.8	2.0 / 5.0 / 6.0	2.7 / 6.8 / 8.3	3.2 / 8.0 / 9.5
	Heating	Min ~ Rated ~ Max	kW	1.7 / 3.2 / 4.5	1.7 / 4.1 / 5.8	2.3 / 5.8 / 7.0	3.2 / 7.9 / 9.9	3.6 / 9.0 / 10.7
Power Input (Set)	Cooling	Min ~ Rated ~ Max	kW	0.32 / 0.61 / 0.98	0.32 / 0.97 / 1.78	0.30 / 1.25 / 1.69	0.30 / 1.66 / 2.31	0.40 / 2.12 / 2.82
	Heating	Min ~ Rated ~ Max	kW	0.32 / 0.75 / 1.06	0.32 / 1.03 / 1.87	0.30 / 1.47 / 1.98	0.40 / 1.76 / 2.53	0.40 / 2.14 / 2.93
Running Current	Cooling	Rated	A	2.7	4.3	7.2	7.4	9.4
	Heating	Rated	A	3.3	4.6	7.7	7.8	9.5
EER / COP			kWh/kWh	4.10 / 4.30	3.50 / 4.00	4.00 / 3.95	4.10 / 4.48	3.77 / 4.20
SEER / SCOP			kWh/kWh	7.0 / 4.0	6.8 / 4.0	7.6 / 4.4	8.5 / 4.8	7.8 / 4.8
Pdesign	Cooling @ 35℃		kW	2.5	3.4	5.0	6.8	8
	Heating @ -10℃		kW	2.8	2.8	4.1	5.5	5.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+	A++ / A+	A+++ / A++	A++ / A++
Annual Energy Consumption	Cooling / Heating		kWh	125 / 980	175 / 980	230 / 1,305	280 / 1,604	359 / 1,604
Dehumidification Rate			l/h	0.1	0.8	1.9	1.7	2.7
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	49 / 52	49 / 52	47 / 52	48 / 52	50 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	65	65	63	65	68
Piping Connections	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-15 ~ 50	-15 ~ 50	-15 ~ 50	-20 ~ 50	-20 ~ 50
	Heating	Min ~ Max	℃	-20 ~ 18	-20 ~ 18	-20 ~ 18	-20 ~ 18	-20 ~ 18
INDOOR				**UT09FH NQ0**	**UT12FH NQ0**	**UT18FH NB0**	**UT24FH NA0**	**UT30FH NA0**
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	30 / 26 / 22	30 / 26 / 22	33 / 26 / 22	43 / 35 / 28	43 / 35 / 28
Air Flow Rate		H / M / L	m^3/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	23.8 / 21.4 / 19.0
Dimensions	Body	W x H x D	mm	570 × 256 × 570	570 × 256 × 570	840 × 204 × 840	840 × 288 × 840	840 × 288 × 840
Weight	Body		kg	13.9	13.9	21.1	25.3	25.3
Sound Pressure Level	Cooling	H / M / L	dB(A)	41 / 39 / 37	41 / 39 / 37	37 / 36 / 34	42 / 41 / 40	42 / 41 / 40
Sound Power Level	Cooling	Max.	dB(A)	54	54	52	56	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	Ø32.0 / 25.0
Recommended Decoration Panel*	Model Name		-	PT-QAGW0	PT-QAGW0	PT-AFGW0	PT-AFGW0	PT-AFGW0
	Color		-	White	White	White	White	White
	Dimensions	Body	mm	620 × 34 × 620	620 × 34 × 620	950 × 35 × 950	950 × 35 × 950	950 × 35 × 950
	Weight	Body	kg	3.0	3.0	7.5	7.5	7.5
OUTDOOR				**UUA1 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 mm^2	3C x 1.5		3C x 2.5	3C x 2.5	
Dimensions	Net	W x H x D	mm	770 × 545 × 288		870 × 650 × 330	950 × 834 × 330	
Weight	Net		kg	33.3		44.5	57.7	
Compressor	Type		-	Twin Rotary		Twin Rotary	Twin Rotary	
Refrigerant	Type		-	R32		R32	R32	
	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	m^3/min×No.	28 × 1		50 × 1	58 × 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

R32

H-INVERTER (R32)

UT36FH
UT42FH
UT48FH
UT60FH

UUD1 U30

EUROVENT CERTIFIED PERFORMANCE

LG participates in the ECP programme for EUROVENT AC program.
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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	6.0 / 15.0 / 16.2
	Heating	Min ~ Rated ~ Max	kW	4.3 / 10.8 / 13.7	5.4 / 13.5 / 16.2	6.2 / 15.5 / 17.8	7.0 / 17.5 / 19.3
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	0.90 / 4.69 / 5.25
	Heating	Min ~ Rated ~ Max	kW	0.50 / 2.40 / 3.36	0.70 / 3.29 / 4.28	0.80 / 4.19 / 5.24	1.10 / 5.38 / 6.19
Running Current	Cooling	Rated	A	9.6	13.8	16.9	20.5
	Heating	Rated	A	10.4	14.4	18.3	23.6
EER / COP			kWh/kWh	4.42 / 4.50	3.85 / 4.10	3.50 / 3.70	3.20 / 3.25
SEER / SCOP			kWh/kWh	7.6 / 4.5	7.4 / 4.5	6.8 / 4.5	6.6 / 4.5
Pdesign	Cooling @ 35℃		kW	9.5	12.1	13.4	15
	Heating @ -10℃		kW	9.5	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	1,364 / 2,956
Dehumidification Rate			l/h	2.6	4.8	5.3	6.9
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	69	71
Piping Connections	Liquid		mm (inch)	Ø9.52 (3/8)	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)	Ø15.88 (5/8)
	Connections Method		-	Flaredd	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-20 ~ 52	-20 ~ 52	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	℃	-25 ~ 18	-25 ~ 18	-25 ~ 18	-25 ~ 18
INDOOR				**UT36FH NA0**	**UT42FH NA0**	**UT48FH NA0**	**UT60FH NA0**
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	70 / 59 / 50	81 / 60 / 50	81 / 60 / 50
Air Flow Rate		H / M / L	m^3/min	28 / 25 / 23	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	840 x 288 x 840
Weight	Body		kg	27.2	27.2	27.2	27.2
Sound Pressure Level	Cooling	H / M / L	dB(A)	44 / 42 / 41	44 / 42 / 41	45 / 43 / 41	45 / 43 / 41
Sound Power Level	Cooling	Max.	dB(A)	59	59	61	61
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-AFGW0	PT-AFGW0	PT-AFGW0	PT-AFGW0
	Color		-	White	White	White	White
	Dimensions	Body	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Weight	Body	kg	7.5	7.5	7.5	7.5
OUTDOOR				**UUD1 U30**			
Power Supply			Ø, V, Hz	1, 220-240, 50			
Circuit Breaker		Min	A	40			
Power Supply Cable (included Earth)			No x mm^3	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			
Refrigerant	Type		-	R32			
	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	m^3/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 :
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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)

SINGLE SPLIT SPECIFICATION

CEILING MOUNTED CASSETTE

R32

H-INVERTER (R32)

UT36FH
UT42FH
UT48FH
UT60FH

UUD3 U30

3Phase

EUROVENT CERTIFIED PERFORMANCE

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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	6.0 / 15.0 / 16.2
	Heating	Min ~ Rated ~ Max	kW	4.3 / 10.8 / 13.7	5.4 / 13.5 / 16.2	6.2 / 15.5 / 17.8	7.0 / 17.5 / 19.3
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	0.90 / 4.69 / 5.25
	Heating	Min ~ Rated ~ Max	kW	0.50 / 2.40 / 3.36	0.70 / 3.29 / 4.28	0.80 / 4.19 / 5.24	1.10 / 5.38 / 6.19
Running Current	Cooling	Rated	A	3.6	4.9	6.0	7.3
	Heating	Rated	A	3.8	5.1	6.5	8.2
EER / COP			kWh/kWh	4.42 / 4.50	3.85 / 4.10	3.50 / 3.70	3.20 / 3.25
SEER / SCOP			kWh/kWh	7.6 / 4.5	7.4 / 4.5	6.8 / 4.5	6.6 / 4.5
Pdesign	Cooling @ 35℃		kW	9.5	12.1	13.4	15
	Heating @ -10℃		kW	9.5	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	1,364 / 2,956
Dehumidification Rate			l/h	2.6	4.8	5.3	6.9
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	69	71
Piping Connections	Liquid		mm (inch)	Ø9.52 (3/8)	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)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-20 ~ 52	-20 ~ 52	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	℃	-25 ~ 18	-25 ~ 18	-25 ~ 18	-25 ~ 18
INDOOR				**UT36FH NA0**	**UT42FH NA0**	**UT48FH NA0**	**UT60FH NA0**
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	70 / 59 / 50	81 / 60 / 50	81 / 60 / 50
Air Flow Rate		H / M / L	m^3/min	28 / 25 / 23	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	840 x 288 x 840
Weight	Body		kg	27.2	27.2	27.2	27.2
Sound Pressure Level	Cooling	H / M / L	dB(A)	44 / 42 / 41	44 / 42 / 41	45 / 43 / 41	45 / 43 / 41
Sound Power Level	Cooling	Max.	dB(A)	59	59	61	61
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-AFGW0	PT-AFGW0	PT-AFGW0	PT-AFGW0
	Color		-	White	White	White	White
	Dimensions	Body	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Weight	Body	kg	7.5	7.5	7.5	7.5
OUTDOOR				**UUD3 U30**			
Power Supply			Ø, V, Hz	3, 380-415, 50			
Circuit Breaker		Min	A	20			
Power Supply Cable (included Earth)			No x mm^3	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			
Refrigerant	Type		-	R32			
	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	m^3/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 :
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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)

CEILING MOUNTED CASSETTE

R32

STANDARD INVERTER (R32)

CT09F
CT12F
CT18F
CT24F
UT30F

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

EUROVENT CERTIFIED PERFORMANCE

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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 / 3.70	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℃		kW	2.5	3.4	5	6.8	8
	Heating @ -10℃		kW	2.8	2.8	4.1	5.6	5.6
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+	A++ / A+	A++ / A+	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	47 / 52	48 / 52	50 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	65	65	63	65	68
Piping Connections	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-15 ~ 50	-15 ~ 50	-15 ~ 50	-20 ~ 50	-20 ~ 50
	Heating	Min ~ Max	℃	-20 ~ 18	-20 ~ 18	-20 ~ 18	-20 ~ 18	-20 ~ 18
INDOOR				**CT09F NR0**	**CT12F NR0**	**CT18F NQ0**	**CT24F NB0**	**UT30F NB0**
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	40 / 33 / 26
Air Flow Rate		H / M / L	m^3 / min	8.5 / 7.0 / 6.0	9.5 / 8.0 / 7.0	13 / 12 / 11	18 / 15.5 / 14	19 / 17 / 15.5
Dimensions	Body	W x H x D	mm	570 × 214 × 570	570 × 214 × 570	570 × 256 × 570	840 × 204 × 840	840 × 204 × 840
Weight	Body		kg	12.4	12.4	13.9	21.1	21.1
Sound Pressure Level	Cooling	H / M / L	dB(A)	36 / 33 / 30	38 / 35 / 32	41 / 39 / 37	38 / 36 / 34	40 / 37 / 35
Sound Power Level	Cooling	Max.	dB(A)	52	52	57	53	57
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 25.0	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-QAGW0	PT-AAGW0	PT-AAGW0
	Color		-	White	White	White	White	White
	Dimensions	Body	mm	620 × 34 × 620	620 × 34 × 620	620 × 34 × 620	950 × 35 × 950	950 × 35 × 950
	Weight	Body	kg	3.0	3.0	3.0	7.1	7.1
OUTDOOR				**UUA1 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 mm^2	3C x 1.5		3C x 2.5	3C x 2.5	
Dimensions	Net	W x H x D	mm	770 × 545 × 288		870 × 650 × 330	950 × 834 × 330	
Weight	Net		kg	33.3		44.5	57.7	
Compressor	Type		-	Twin Rotary		Twin Rotary	Twin Rotary	
Refrigerant	Type		-	R32		R32	R32	
	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	m^3/min x No.	28 × 1		50 × 1	58 × 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.

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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)

SINGLE SPLIT SPECIFICATION

CEILING MOUNTED CASSETTE

R32

STANDARD INVERTER (R32)

UT36F
UT42F
UT48F
UT60F

UUD1 U30

EUROVENT CERTIFIED PERFORMANCE

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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	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	6.8 / 16.9 / 18.3
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	1.00 / 5.21 / 5.84
	Heating	Min ~ Rated ~ Max	kW	0.50 / 2.43 / 3.30	0.70 / 3.51 / 4.56	0.90 / 4.37 / 5.33	1.00 / 5.12 / 5.89
Running Current	Cooling	Rated	A	10.1	14.6	18.7	23.1
	Heating	Rated	A	10.7	15.0	19.0	22.7
EER / COP			kWh/kWh	4.20 / 4.45	3.66 / 3.85	3.15 / 3.55	2.80 / 3.30
SEER / SCOP			kWh/kWh	7.0 / 4.3	7.0 / 4.3	6.5 / 4.2	6.2 / 4.2
Pdesign	Cooling @ 35℃		kW	9.5	12.1	13.4	14.6
	Heating @ -10℃		kW	9.5	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	1,413 / 3,167
Dehumidification Rate			l/h	2.4	4.5	5.7	6.6
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	69	71
Piping Connections	Liquid		mm (inch)	Ø9.52 (3/8)	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)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-20 ~ 52	-20 ~ 52	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	℃	-25 ~ 18	-25 ~ 18	-25 ~ 18	-25 ~ 18
INDOOR				**UT36F NA0**	**UT42F NA0**	**UT48F NA0**	**UT60F NA0**
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	60 / 50 / 45	60 / 50 / 45	80 / 60 / 50	80 / 60 / 50
Air Flow Rate		H / M / L	m^3/min	27.5 / 25 / 22.5	27.5 / 25 / 22.5	30 / 27.5 / 25	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	840 x 288 x 840
Weight	Body		kg	25.3	25.3	25.3	25.3
Sound Pressure Level	Cooling	H / M / L	dB(A)	44 / 42 / 41	44 / 42 / 41	46 / 44 / 42	46 / 44 / 42
Sound Power Level	Cooling	Max.	dB(A)	61	61	62	62
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-AAGW0	PT-AAGW0	PT-AAGW0	PT-AAGW0
	Color		-	White	White	White	White
	Dimensions	Body	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Weight	Body	kg	7.1	7.1	7.1	7.1
OUTDOOR				**UUD1 U30**			
Power Supply			Ø, V, Hz	1, 220-240, 50			
Circuit Breaker		Min	A	40			
Power Supply Cable (included Earth)			No x mm^2	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			
Refrigerant	Type		-	R32			
	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	m^3/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

R32

STANDARD INVERTER (R32)

UT36F
UT42F
UT48F
UT60F

EUROVENT CERTIFIED PERFORMANCE

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

UUD3 U30

3Phase

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	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	6.8 / 16.9 / 18.3
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	1.00 / 5.21 / 5.84
	Heating	Min ~ Rated ~ Max	kW	0.50 / 2.43 / 3.30	0.70 / 3.51 / 4.56	0.90 / 4.37 / 5.33	1.00 / 5.12 / 5.89
Running Current	Cooling	Rated	A	3.8	5.2	6.6	8.1
	Heating	Rated	A	3.9	5.4	6.7	7.9
EER / COP			kWh/kWh	4.20 / 4.45	3.66 / 3.85	3.15 / 3.55	2.80 / 3.30
SEER / SCOP			kWh/kWh	7.0 / 4.3	7.0 / 4.3	6.5 / 4.2	6.2 / 4.2
Pdesign	Cooling @ 35℃		kW	9.5	12.1	13.4	14.6
	Heating @ -10℃		kW	9.5	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	1,413 / 3,167
Dehumidification Rate			l/h	2.4	4.5	5.7	6.6
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	69	71
Piping Connections	Liquid		mm (inch)	Ø9.52 (3/8)	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)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-20 ~ 52	-20 ~ 52	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	℃	-25 ~ 18	-25 ~ 18	-25 ~ 18	-25 ~ 18
INDOOR				**UT36F NA0**	**UT42F NA0**	**UT48F NA0**	**UT60F NA0**
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	60 / 50 / 45	60 / 50 / 45	80 / 60 / 50	80 / 60 / 50
Air Flow Rate		H / M / L	m^3/min	27.5 / 25 / 22.5	27.5 / 25 / 22.5	30 / 27.5 / 25	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	840 x 288 x 840
Weight	Body		kg	25.3	25.3	25.3	25.3
Sound Pressure Level	Cooling	H / M / L	dB(A)	44 / 42 / 41	44 / 42 / 41	46 / 44 / 42	46 / 44 / 42
Sound Power Level	Cooling	Max.	dB(A)	61	61	62	62
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-AAGW0	PT-AAGW0	PT-AAGW0	PT-AAGW0
	Color		-	White	White	White	White
	Dimensions	Body	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Weight	Body	kg	7.1	7.1	7.1	7.1
OUTDOOR				**UUD3 U30**			
Power Supply			Ø, V, Hz	3, 380-415, 50			
Circuit Breaker		Min	A	20			
Power Supply Cable (included Earth)			No x mm^3	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			
Refrigerant	Type		-	R32			
	GWP (Global Warming Potential)		-	675			
	Precharged Amount		kg	3.0			
	t-CO₂eq.		-	2.025			
	Additional Charging Volume		g/m	40			
Fan	Air Flow Rate	Rated	m^3/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 :
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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)

SINGLE SPLIT SPECIFICATION

CEILING MOUNTED CASSETTE

R32

COMPACT INVERTER (R32)

CT18F
CT24F
UT30F
UT36F

EUROVENT CERTIFIED PERFORMANCE

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UUA1 UL0

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 / 10.8
	Heating	Min ~ Rated ~ Max	kW	2.1 / 5.2 / 5.7	3.0 / 7.5 / 8.6	3.2 / 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	0.60 / 2.79 / 3.57
	Heating	Min ~ Rated ~ Max	kW	0.30 / 1.45 / 1.87	0.40 / 2.21 / 2.87	0.50 / 2.37 / 3.08	0.60 / 2.77 / 3.30
Running Current	Cooling	Rated	A	7.8	8.8	10.1	12.4
	Heating	Rated	A	6.4	9.6	10.4	12.3
EER / COP			kWh/kWh	2.85 / 3.60	3.40 / 3.39	3.25 / 3.34	3.40 / 3.90
SEER / SCOP			kWh/kWh	6.3 / 3.9	7.0 / 4.2	6.8 / 4.2	6.7 / 4.3
Pdesign	Cooling @ 35℃		kW	5	6.8	7.5	9.5
	Heating @ -10℃		kW	2.8	4.1	4.1	5.6
Seasonal Energy Label	Cooling / Heating		-	A++ / A	A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	278 / 1,005	340 / 1,367	386 / 1,367	496 / 1,823
Dehumidification Rate			l/h	1.8	2.6	3.1	2.5
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
Piping Connections	Liquid		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-10 ~ 50	-10 ~ 48	-10 ~ 48	-20 ~ 50
	Heating	Min ~ Max	℃	-10 ~ 18	-15 ~ 18	-15 ~ 18	-15 ~ 18
INDOOR				**CT18F NQ0**	**CT24F NB0**	**UT30F NB0**	**UT36F NA0**
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	36 / 26 / 21	40 / 33 / 26	60 / 50 / 45
Air Flow Rate		H / M / L	m^3/min	13 / 12 / 11	18 / 15.5 / 14	19 / 17 / 15.5	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 204 x 840	840 x 288 x 840
Weight	Body		kg	13.9	21.1	21.1	25.3
Sound Pressure Level	Cooling	H / M / L	dB(A)	41 / 39 / 37	38 / 36 / 34	40 / 37 / 35	44 / 42 / 41
Sound Power Level	Cooling	Max.	dB(A)	57	53	57	61
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-AAGW0	PT-AAGW0	PT-AAGW0
	Color		-	White	White	White	White
	Dimensions	Body	mm	620 x 34 x 620	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Weight	Body	kg	3.0	7.1	7.1	7.1
OUTDOOR				**UUA1 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 mm^3	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
Refrigerant	Type		-	R32	R32		R32
	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	40		40
Fan	Air Flow Rate	Rated	m^3/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

* Decoration panel can be selected as an optional accessory.

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)

CASSETTE PANEL

Model Name

PT-AAGW0
PT-AEGW0
PT-AFGW0
PT-QAGW0

Key Features

Model	Function					
	Dual Vane	Wi-Fi	FloorTemperatureSensor	Air Purification	Elevating Grille	Occupancy Sensor
PT-AAGW0	O	Optional	X	X	X	Optional
PT-AEGW0	O	Optional	X	X	O	Optional
PT-AFGW0	O	Optional	O	Optional	X	Optional

Specification

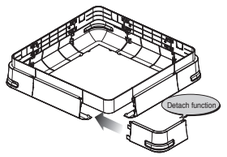
Model	Suction Type	Color (RAL)	Gloss	Weight (kg)	Dimension (mm)		
					W	H	D
PT-AAGW0	Grid	White (RAL 9003)	-	7.1	950	35	950
PT-AEGW0	Grid	White (RAL 9003)	-	8.5	950	35	950
PT-AFGW0	Grid	White (RAL 9003)	-	7.5	950	35	950
PT-QAGW0	Grid	White (RAL 9003)	-	3.0	620	34	620

Air Purification Kit

Model	Image	Model name	Dielectric Dust collecting filter	Photocatalytic Deodorizing filter	HVPS	Ionizer
Air cleaning kit		PTAFMP0	O	O	O	O

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

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

Model Name

PTDCQ / PTDCA*

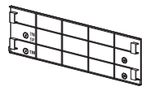
Applied Products

4 Way Cassette (for chassis TQ, TR)

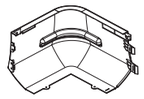
Included Parts

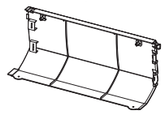
- Cover A, Cover B
- Cover C, Cover D
- Screws
- Installation Manual


Cover A (4 units)


Cover B (4 units)


Screw (32 units)


Cover C (4 units)


Cover D (4 units)

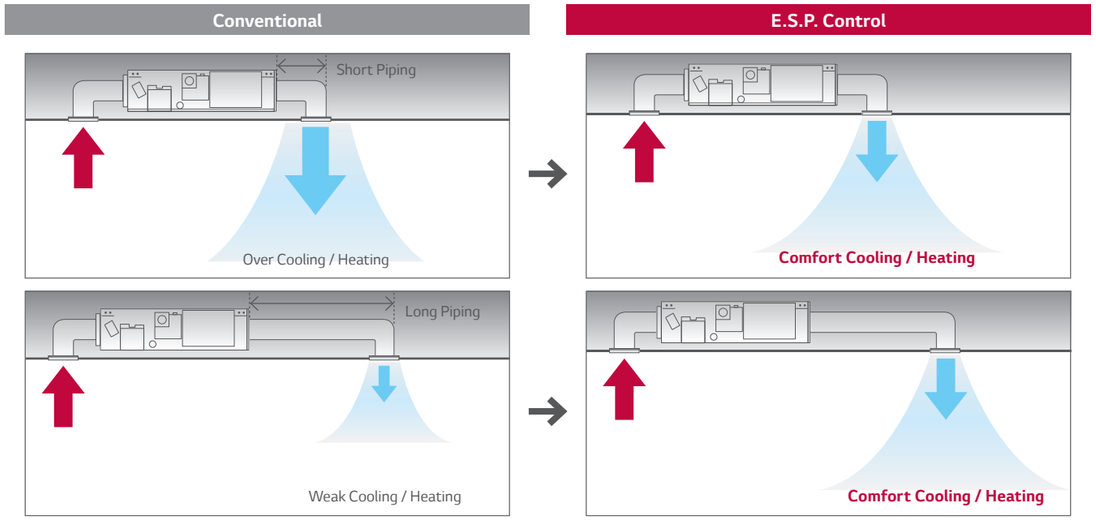

Installation Manual

CEILING CONCEALED DUCT

CEILING CONCEALED DUCT

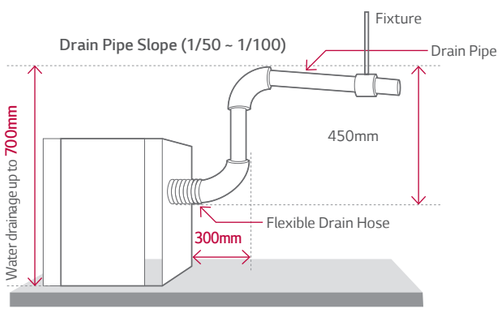
External Static Pressure (ESP) Control

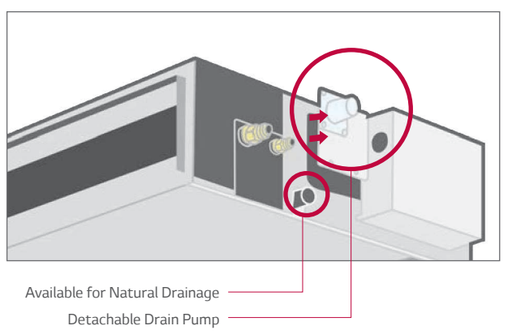
User has easy access to air volume selection via remote controller using the ESP control function. The BLDC motor can control fan speed and air volume. No additional accessories are necessary to control air flow.



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)

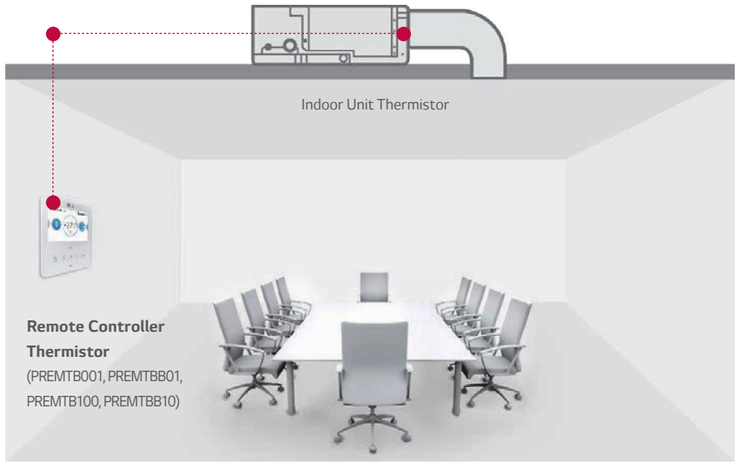




CEILING CONCEALED DUCT

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 optimise indoor air temperature for a more comfortable environment.



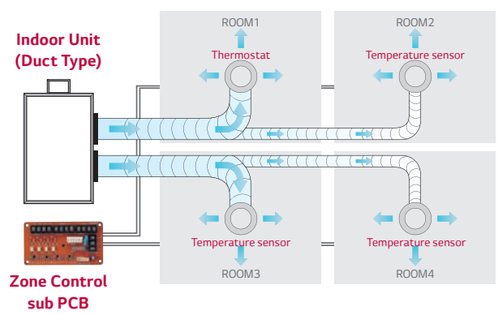
Compares temperatures sensed from different positions, and automatically selects the optimum temperature for users

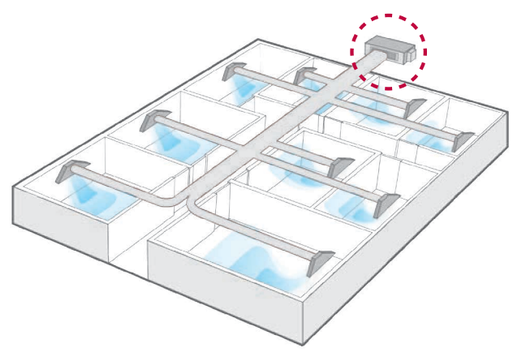
Operation for Multiple Rooms

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 accessary (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



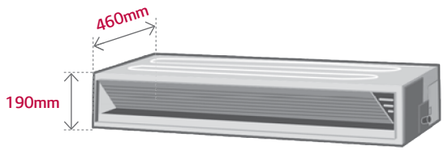


CEILING CONCEALED DUCT

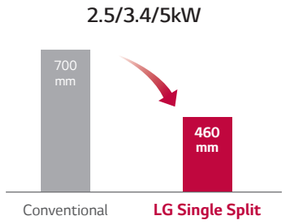
Minimized Height and Depth

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

Low Static Duct

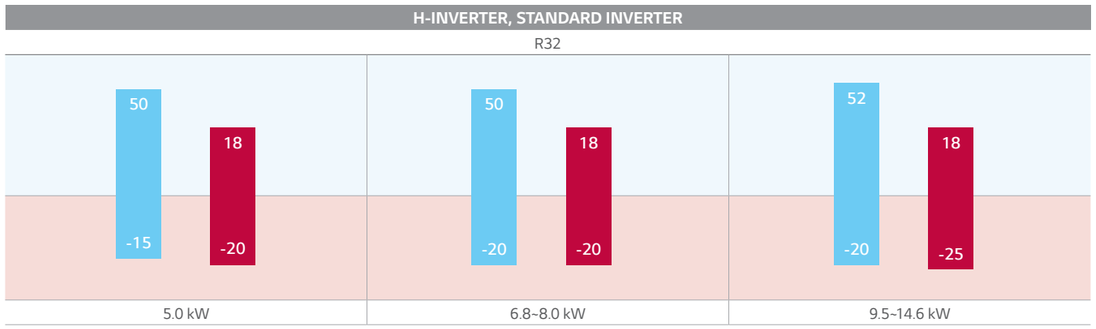


Depth



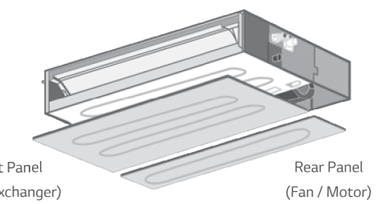
*CL09FN50, CL12FN50, CL18FN60, UL12FHN50 only

Wide Operation Range



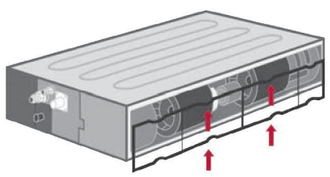
Easy Service & Maintenance

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.



Front Panel (Heat Exchanger)

Rear Panel (Fan / Motor)



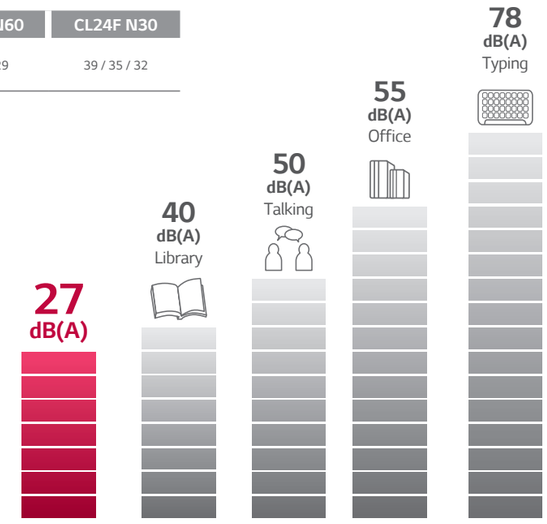
Easily Detach / Attach Filter

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

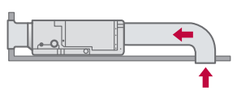


Flexible Installation

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

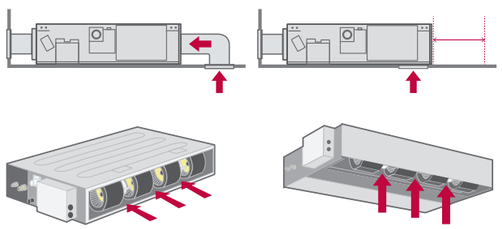
Conventional

Air intake at the only rear



Low Static Duct

Air intake at the rear or bottom



CEILING CONCEALED DUCT

R32

H-INVERTER (R32)

LOW STATIC PRESSURE
- UL12FH / UL18FH

UUA1 UL0 UUB1 U20

EUROVENT CERTIFIED PERFORMANCE

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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 / 1.06 / 1.84	0.30 / 1.39 / 1.88
	Heating	Min ~ Rated ~ Max	kW	0.33 / 1.08 / 1.63	0.30 / 1.57 / 2.12
Running Current	Cooling	Rated	A	4.7	7.6
	Heating	Rated	A	4.8	8.1
EER / COP			kWh/kWh	3.20 / 3.70	3.60 / 3.70
SEER / SCOP			kWh/kWh	6.1 / 4.0	6.5 / 4.1
Pdesign	Cooling @ 35℃		kW	3.4	5
	Heating @ -10℃		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
Piping Connections	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø12.7 (1/2)
	Connections Method		-	FLARED	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-15 ~ 50	-15 ~ 50
	Heating	Min ~ Max	℃	-20 ~ 18	-20 ~ 18
INDOOR				**UL12FH N50**	**UL18FH N30**
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	21 / 15 / 13	140 / 125 / 100
Air Flow Rate		H / M / L	m^3/min	11.5 / 9.5 / 8	18.5 / 15 / 11
Dimensions	Body	W x H x D	mm	900 x 190 x 460	1,100 x 190 x 700
Weight	Body		kg	18	26.0
Sound Pressure Level	Cooling	H / M / L	dB(A)	35 / 30 / 27	38 / 34 / 31
Sound Power Level	Cooling	Max.	dB(A)	55	56
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR				**UUA1 UL0**	**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 mm^3	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	m^3/min x No.	28 x 1	50 x 1
Total Piping Length		Min / Max	m	5 / 30	5 / 30
Piping Elevation	IDU - ODU	Max	m	30	30

CEILING CONCEALED DUCT

R32

H-INVERTER (R32)

MID STATIC PRESSURE
- UM12FH / UM18FH / UM24FH / UM30FH

UUA1 UL0 UUB1 U20 UUC1 U40

EUROVENT CERTIFIED PERFORMANCE

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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℃		kW	3.5	5	6.8	7.8
	Heating @ -10℃		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
Piping Connections	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)
	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	℃	-15 ~ 50	-15 ~ 50	-20 ~ 50	-20 ~ 50
	Heating	Min ~ Max	℃	-20 ~ 18	-20 ~ 18	-20 ~ 18	-20 ~ 18
INDOOR				**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
Power Input (IDU)		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	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	35 / 34 / 32	34 / 33 / 32	34 / 33 / 32
Sound Power Level	Cooling	Max.	dB(A)	56	60	59	59
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
	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 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 mm^3	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	
Refrigerant	Type		-	R32	R32	R32	
	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	m^3/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	

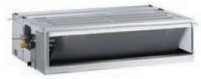
CEILING CONCEALED DUCT

R32

H-INVERTER (R32)

MID STATIC PRESSURE
- UM36FH / UM42FH / UM48FH

UUD1 U30



EUROVENT CERTIFIED PERFORMANCE

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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 / 4.19 / 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 / 3.70
SEER / SCOP			kWh/kWh	6.4 / 4.2	6.2 / 4.1	6.1 / 4.1
Pdesign	Cooling @ 35℃		kW	9.5	12	13.4
	Heating @ -10℃		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
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	℃	-20 ~ 52	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	℃	-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	242 / 159 / 124
Air Flow Rate		H / M / L	m^3/min	40 / 34 / 28	40 / 34 / 28	40 / 34 / 28
Dimensions	Body	W x H x D	mm	1,250 x 360 x 700	1,250 x 360 x 700	1,250 x 360 x 700
Weight	Body		kg	44.3	44.3	44.3
Sound Pressure Level	Cooling	H / M / L	dB(A)	39 / 38 / 36	39 / 38 / 36	39 / 38 / 36
Sound Power Level	Cooling	Max.	dB(A)	65	65	65
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				**UUD1 U30**		
Power Supply			Ø, V, Hz	1, 220-240, 50		
Circuit Breaker		Min	A	40		
Power Supply Cable (included Earth)			No x mm^3	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		
Refrigerant	Type		-	R32		
	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	m^3/min x No.	55 x 2		
Total Piping Length		Min / Max	m	5 / 85		
Piping Elevation	IDU - ODU	Max	m	30		

SINGLE SPLIT SPECIFICATION

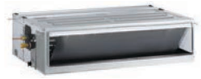
CEILING CONCEALED DUCT

R32

H-INVERTER (R32)

MID STATIC PRESSURE
- UM36FH / UM42FH / UM48FH

UUD3 U30



3Phase

EUROVENT CERTIFIED PERFORMANCE

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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 ~ 4.19 ~ 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 / 3.70
SEER / SCOP			kWh/kWh	6.4 / 4.2	6.2 / 4.1	6.1 / 4.1
Pdesign	Cooling @ 35℃		kW	9.5	12	13.4
	Heating @ -10℃		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
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	℃	-20 ~ 52	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	℃	-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	242 / 159 / 124
Air Flow Rate		H / M / L	m^3/min	40 / 34 / 28	40 / 34 / 28	40 / 34 / 28
Dimensions	Body	W x H x D	mm	1,250 x 360 x 700	1,250 x 360 x 700	1,250 x 360 x 700
Weight	Body		kg	44.3	44.3	44.3
Sound Pressure Level	Cooling	H / M / L	dB(A)	39 / 38 / 36	39 / 38 / 36	39 / 38 / 36
Sound Power Level	Cooling	Max.	dB(A)	65	65	65
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				**UUD3 U30**		
Power Supply			Ø, V, Hz	3, 380-415, 50		
Circuit Breaker		Min	A	20		
Power Supply Cable (included Earth)			No x mm^3	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		
Refrigerant	Type		-	R32		
	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	m^3/min x No.	55 x 2		
Total Piping Length		Min / Max	m	5 / 85		
Piping Elevation	IDU - ODU	Max	m	30		

CEILING CONCEALED DUCT

STANDARD INVERTER (R32)

LOW STATIC PRESSURE
- CL09F / CL12F / CL18F / CL24F

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UUA1 UL0 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	2.7 / 6.8 / 7.8
	Heating	Min ~ Rated ~ Max	kW	1.8 / 3.2 / 4.0	1.8 / 4.0 / 4.9	2.3 / 5.8 / 6.7	3.0 / 7.5 / 9.0
Power Input (Set)	Cooling	Min ~ Rated ~ Max	kW	0.30 / 0.67 / 0.93	0.33 / 1.06 / 1.84	0.3 / 1.35 / 1.89	0.4 / 2.03 / 2.84
	Heating	Min ~ Rated ~ Max	kW	0.38 / 0.75 / 1.63	0.33 / 1.08 / 1.63	0.4 / 1.77 / 2.48	0.4 / 2.13 / 3.30
Running Current	Cooling	Rated	A	3.0	4.7	7.5	9.0
	Heating	Rated	A	3.3	4.8	8.3	9.4
EER / COP			kWh/kWh	3.80 / 4.30	3.20 / 3.70	3.71 / 3.28	3.35 / 3.52
SEER / SCOP			kWh/kWh	6.1 / 4.0	5.6 / 3.8	6.1 / 3.9	6.2 / 3.9
Pdesign	Cooling @ 35℃		kW	2.5	3.4	5	6.8
	Heating @ -10℃		kW	2.9	2.9	4.1	5.4
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A+ / A	A++ / A	A++ / A
Annual Energy Consumption	Cooling / Heating		kWh	143 / 1,015	213 / 1,068	287 / 1,472	384 / 1,938
Dehumidification Rate			l/h	0.2	0.8	1.6	2.5
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	49 / 52	49 / 52	47 / 52	48 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	65	65	63	65
Piping Connections	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-15 ~ 50	-15 ~ 50	-15 ~ 50	-20 ~ 50
	Heating	Min ~ Max	℃	-20 ~ 18	-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	150 / 130 / 110
Air Flow Rate		H / M / L	m^3/min	11.5 / 9.5 / 8	11.5 / 9.5 / 8	15 / 12 / 10	20 / 16 / 12
Dimensions	Body	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
Weight	Body		kg	18.0	18.0	20.9	26.0
Sound Pressure Level	Cooling	H / M / L	dB(A)	35 / 30 / 27	35 / 30 / 27	34 / 31 / 29	39 / 35 / 32
Sound Power Level	Cooling	Max.	dB(A)	55	55	56	58
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR				**UUA1 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 mm^3	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
Refrigerant	Type		-	R32		R32	R32
	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	m^3/min x No.	28 × 1		50 × 1	58 × 1
Total Piping Length		Min / Max	m	5 / 30		5 / 30	5 / 50
Piping Elevation	IDU - ODU	Max	m	30		30	30

CEILING CONCEALED DUCT

STANDARD INVERTER (R32)

MID STATIC PRESSURE
- CM18F / CM24F / UM30F

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UUB1 U20 UUC1 U40

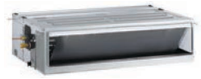
COMBINATION				18	24	30
Capacity	Cooling	Min ~ Rated ~ Max	kW	2.0 / 5.0 / 5.8	2.7 / 6.8 / 8.0	3.1 / 7.8 / 9.0
	Heating	Min ~ Rated ~ Max	kW	2.3 / 5.8 / 6.7	3.0 / 7.5 / 9.0	3.6 / 9.0 / 10.1
Power Input (Set)	Cooling	Min ~ Rated ~ Max	kW	0.30 / 1.33 / 1.86	0.40 / 1.95 / 2.69	0.40 / 2.23 / 3.03
	Heating	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℃		kW	5	6.8	7.8
	Heating @ -10℃		kW	4.1	5.4	5.4
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	273 / 1,400	361 / 1,938	448 / 1,890
Dehumidification Rate			l/h	1.2	2.6	2.4
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	47 / 52	48 / 52	50 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	63	65	68
Piping Connections	Liquid		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)
	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	℃	-15 ~ 50	-20 ~ 50	-20 ~ 50
	Heating	Min ~ Max	℃	-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	220 / 200 / 180
Air Flow Rate		H / M / L	m^3/min	16.5 / 14.5 / 13	18 / 16.5 / 14.5	22 / 20 / 18
Dimensions	Body	W x H x D	mm	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700
Weight	Body		kg	24.6	24.6	26.2
Sound Pressure Level	Cooling	H / M / L	dB(A)	34 / 32 / 30	35 / 34 / 32	37 / 35 / 34
Sound Power Level	Cooling	Max.	dB(A)	59	60	62
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				**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 mm^3	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	
Refrigerant	Type		-	R32	R32	
	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	m^3/min x No.	50 × 1	58 × 1	
Total Piping Length		Min / Max	m	5 / 30	5 / 50	
Piping Elevation	IDU - ODU	Max	m	30	30	

CEILING CONCEALED DUCT

STANDARD INVERTER (R32)

MID STATIC PRESSURE
- UM36F / UM42F / UM48F / UM60F

UUD1 U30



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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℃		kW	9.5	12.0	13.4	14.6
	Heating @ -10℃		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	69	71
Piping Connections	Liquid		mm (inch)	Ø9.52 (3/8)	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)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-20 ~ 52	-20 ~ 52	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	℃	-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	m^3/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
	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				**UUD1 U30**			
Power Supply			Ø, V, Hz	1, 220-240, 50			
Circuit Breaker		Min	A	40			
Power Supply Cable (included Earth)			No x mm^3	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			
Refrigerant	Type		-	R32			
	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	m^3/min x No.	55 x 2			
Total Piping Length		Min / Max	m	5 / 85			
Piping Elevation	IDU - ODU	Max	m	30			

SINGLE SPLIT SPECIFICATION

CEILING CONCEALED DUCT

STANDARD INVERTER (R32)

MID STATIC PRESSURE
- UM 36F / UM42F / UM48F / UM60F

UUD3 U30

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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℃		kW	9.5	12	13.4	14.6
	Heating @ -10℃		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	69	71
Piping Connections	Liquid		mm (inch)	Ø9.52 (3/8)	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)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-20 ~ 52	-20 ~ 52	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	℃	-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	m^3/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
	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				**UUD3 U30**			
Power Supply			Ø, V, Hz	3, 380-415, 50			
Circuit Breaker		Min	A	20			
Power Supply Cable (included Earth)			No x mm^3	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			
Refrigerant	Type		-	R32			
	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	m^3/min x No.	55 x 2			
Total Piping Length		Min / Max	m	5 / 85			
Piping Elevation	IDU - ODU	Max	m	30			

CEILING CONCEALED DUCT

R32

COMPACT INVERTER (R32)

LOW STATIC PRESSURE
- CL18F / CL24F

UUA1 UL0 UUB1 U20

EUROVENT CERTIFIED PERFORMANCE

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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℃		kW	4.7	6.8
	Heating @ -10℃		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
Piping Connections	Liquid		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-10 ~ 50	-10 ~ 48
	Heating	Min ~ Max	℃	-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	m^3/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	dB(A)	34 / 31 / 29	39 / 35 / 32
Sound Power Level	Cooling	Max.	dB(A)	56	58
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR				**UUA1 UL0**	**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 mm^3	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	40
Fan	Air Flow Rate	Rated	m^3/min x No.	28 x 1	50 x 1
Total Piping Length		Min / Max	m	5 / 30	5 / 35
Piping Elevation	IDU - ODU	Max	m	30	30

SINGLE SPLIT SPECIFICATION

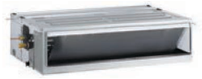
CEILING CONCEALED DUCT

R32

COMPACT INVERTER (R32)

MID STATIC PRESSURE
- CM18F / CM24F / UM30F / UM36F

UUA1 UL0 UUB1 U20 UUC1 U40



EUROVENT CERTIFIED PERFORMANCE

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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℃		kW	5	6.8	7.5	9.5
	Heating @ -10℃		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
Piping Connections	Liquid		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	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	℃	-10 ~ 50	-10 ~ 48	-10 ~ 48	-20 ~ 50
	Heating	Min ~ Max	℃	-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	m^3/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	900 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	dB(A)	34 / 32 / 30	35 / 34 / 32	37 / 35 / 34	36 / 34 / 33
Sound Power Level	Cooling	Max.	dB(A)	59	60	62	60
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
	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 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 mm^3	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
Refrigerant	Type		-	R32	R32		R32
	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	m^3/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

R410A

STANDARD INVERTER (R410A)

HIGH STATIC PRESSURE
- UB70 / UB85

EUROVENT CERTIFIED PERFORMANCE

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3Phase

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	-	-
Piping Connection	Liquid		mm (inch)	Ø9.52 (3/8)	Ø12.7 (1/2)
	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			l/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
Refrigerant	Type		-	R410A	R410A
	Charge		g	5,200	5,500
	Additional Charge		g/m	70	70
	GWP		-	2087.5	2087.5
	TCO2eq		-	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
Power Supply Cable			No. x mm²	5C x 2.5	5C x 2.5
Transmission Cable			No. x mm²	4C x 1.0	4C x 1.0
Circuit Breaker			A	30	30
Piping Length Total		Min / Max	m	5 / 75	5 / 75
Piping Elevation Difference	IDU - ODU	Max	m	30	30
Piping Connection	Liquid		mm (inch)	Ø9.53 (3/8)	Ø12.7 (1.2)
	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 UNIT

CEILING SUSPENDED UNIT

Differentiated Design

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

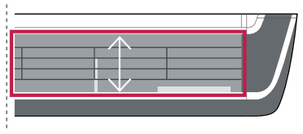
Powerful Cooling & Heating

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

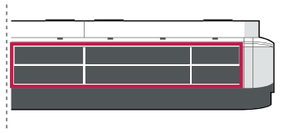
With enlarged outlet space, optimized the Air flow Path and improved Heat Exchanger's performance

• Outlet Space

Current

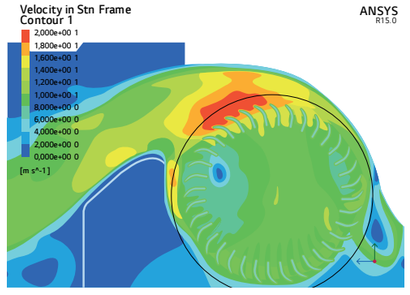


Conventional



115% ENLARGED

• Optimized the Air flow Path

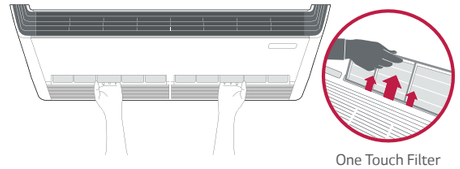


105% IMPROVED

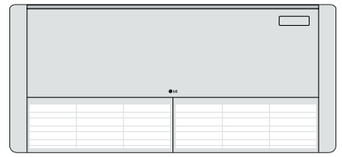
CEILING SUSPENDED UNIT

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.

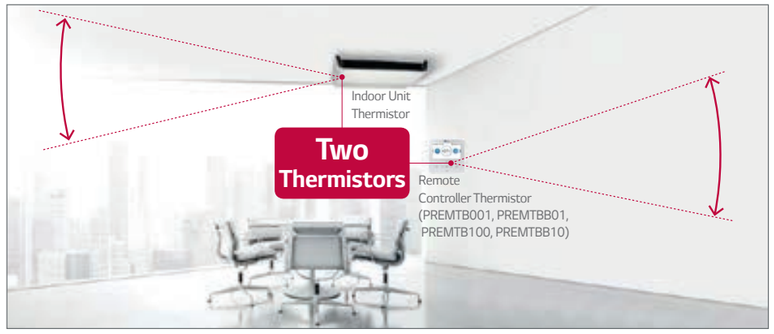


One Touch Filter



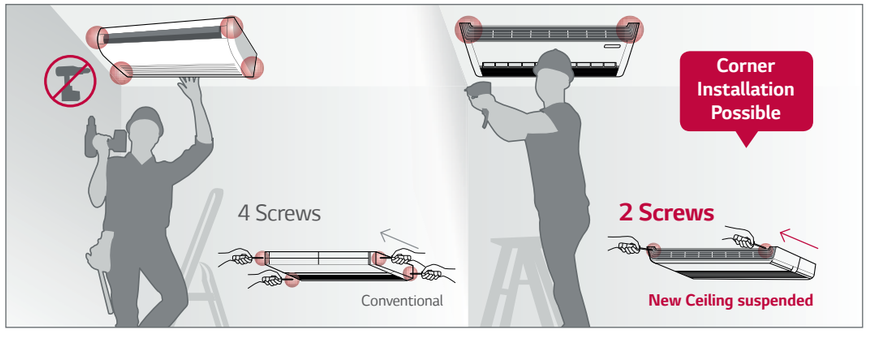
Two Thermistors Control

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



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.



CEILING SUSPENDED UNIT

R32

H-INVERTER (R32)

UV18FH / UV24FH / UV30FH

UUB1 U20

UUC1 U40

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

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

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 / 1.58 / 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 / 3.67	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℃		kW	5	6.8	8
	Heating @ -10℃		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	Rated	dB(A)	47 / 52	48 / 52	50 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	63	65	68
Piping Connections	Liquid		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)
	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	℃	-15 ~ 50	-20 ~ 50	-20 ~ 50
	Heating	Min ~ Max	℃	-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	m^3 / 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	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
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 mm^3	3C x 2.5	3C x 2.5	
Dimensions	Net	W x H x D	㎜	870 x 650 x 330	950 x 834 x 330	
Weight	Net		kg	44.5	57.7	
Compressor	Type		-	Twin Rotary	Twin Rotary	
Refrigerant	Type		-	R32	R32	
	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	m^3 / min x No.	50 × 1	58 × 1	
Total Piping Length		Min / Max	m	5 / 30	5 / 50	
Piping Elevation	IDU - ODU	Max	m	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)

SINGLE SPLIT SPECIFICATION

CEILING SUSPENDED UNIT

R32

H-INVERTER (R32)

UV36FH / UV42FH

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

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

UUD1 U30

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℃		kW	9.5	12.1
	Heating @ -10℃		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
Piping Connections	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	℃	-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	m^3/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	Ø25.0 / 20.5	Ø25.0 / 20.5
Piping Connections	Drain(Using Drain Pump)	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 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 mm^3	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	
Refrigerant	Type		-	R32	
	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 :
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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)

CEILING SUSPENDED UNIT

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	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	0.50 / 2.50 / 3.75	0.70 / 3.64 / 4.91
	Heating	Min ~ Rated ~ Max	kW	0.50 / 2.54 / 3.56	0.80 / 3.75 / 4.88
Running Current	Cooling	Rated	A	4.0	5.7
	Heating	Rated	A	4.1	5.9
EER / COP			kWh/kWh	3.80 / 4.25	3.32 / 3.60
SEER / SCOP			kWh/kWh	6.7 / 4.3	6.6 / 4.3
Pdesign	Cooling @ 35℃		kW	9.5	12.1
	Heating @ -10℃		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	5.5
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69
Piping Connections	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	℃	-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	m^3/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	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				**UUD3 U30**	
Power Supply			Ø, V, Hz	3, 380-415, 50	
Circuit Breaker		Min	A	20	
Power Supply Cable (included Earth)			No x mm^3	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	
Refrigerant	Type		-	R32	
	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	m^3/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)

SINGLE SPLIT SPECIFICATION

CEILING SUSPENDED UNIT

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	3.1 / 7.7 / 8.8
	Heating	Min ~ Rated ~ Max	kW	2.3 / 5.8 / 6.7	3.0 / 7.5 / 9.0	3.4 / 8.6 / 9.6
Power Input (Set)	Cooling	Min ~ Rated ~ Max	kW	0.30 / 1.33 / 1.86	0.40 / 1.99 / 2.69	0.50 / 2.25 / 3.08
	Heating	Min ~ Rated ~ Max	kW	0.40 / 1.76 / 2.46	0.40 / 2.2 / 3.08	0.50 / 2.5 / 3.20
Running Current	Cooling	Rated	A	7.5	8.8	10.0
	Heating	Rated	A	8.3	9.8	11.1
EER / COP			kWh/kWh	3.75 / 3.29	3.37 / 3.41	3.42 / 3.44
SEER / SCOP			kWh/kWh	6.6 / 4.3	7.2 / 4.2	6.8 / 4.4
Pdesign	Cooling @ 35℃		kW	5	6.7	7.7
	Heating @ -10℃		kW	4.2	4.9	5.4
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	265 / 1,368	326 / 1,633	396 / 1,718
Dehumidification Rate			l/h	1.8	2.7	3.0
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	47 / 52	48 / 52	50 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	63	65	68
Piping Connections	Liquid		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)
	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	℃	-15 ~ 50	-20 ~ 50	-20 ~ 50
	Heating	Min ~ Max	℃	-20 ~ 18	-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	m^3/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	1,200 x 235 x 690
Weight	Body		kg	27.3	28	28
Sound Pressure Level	Cooling	H / M / L	dB(A)	42 / 40 / 39	46 / 45 / 43	46 / 44 / 43
Sound Power Level	Cooling	Max.	dB(A)	55	61	62
Piping Connections	Drain(Natural Drainage)	O.D. / I.D.	mm	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
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 mm^3	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	
Refrigerant	Type		-	R32	R32	
	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	m^3/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

R32

STANDARD INVERTER (R32)

UV36F / UV42F / UV48F / UV60F

UUD1 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 ~ 12.5	4.8 ~ 12.1 ~ 14.2	5.4 ~ 13.4 ~ 15.7	5.8 ~ 14.4 ~ 15.6
	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 ~ 2.65 ~ 4.03	0.80 ~ 3.90 ~ 5.07	0.90 ~ 4.50 ~ 5.85	1.10 ~ 5.33 ~ 5.97
	Heating	Min ~ Rated ~ Max	kW	0.50 ~ 2.60 ~ 3.54	0.80 ~ 3.75 ~ 4.88	0.90 ~ 4.77 ~ 5.82	1.10 ~ 5.60 ~ 6.44
Running Current	Cooling	Rated	A	11.7	17.0	19.7	23.6
	Heating	Rated	A	11.4	16.5	20.6	24.6
EER / COP			kWh/kWh	3.59 / 4.15	3.10 / 3.60	2.98 / 3.25	2.70 / 3.00
SEER / SCOP			kWh/kWh	6.3 / 4.1	6.3 / 4.1	5.9 / 4.1	5.7 / 4.1
Pdesign	Cooling @ 35℃		kW	9.5	12.1	13.4	14.4
	Heating @ -10℃		kW	9.5	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	1,516 / 3,244
Dehumidification Rate			l/h	3.6	5.5	6.3	7.1
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	69	71
Piping Connections	Liquid		mm (inch)	Ø9.52 (3/8)	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)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-20 ~ 52	-20 ~ 52	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	℃	-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 / 35 / 28	59 / 40 / 28	59 / 40 / 28
Air Flow Rate		H / M / L	m^3/min	28 / 24 / 20	28 / 24 / 20	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	1,600 x 235 x 690	1,600 x 235 x 690
Weight	Body		kg	36.7	36.7	36.7	36.7
Sound Pressure Level	Cooling	H / M / L	dB(A)	46 / 43 / 40	46 / 43 / 40	48 / 44 / 40	48 / 44 / 40
Sound Power Level	Cooling	Max.	dB(A)	62	62	63	63
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				**UUD1 U30**			
Power Supply			Ø, V, Hz	1, 220-240, 50			
Circuit Breaker		Min	A	40			
Power Supply Cable (included Earth)			No x mm^3	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			
Refrigerant	Type		-	R32			
	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	m^3/min x No.	55 x 2			
Total Piping Length		Min / Max	m	5 / 85			
Piping Elevation	IDU - ODU	Max	m	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)

SINGLE SPLIT SPECIFICATION

CEILING SUSPENDED UNIT

R32

STANDARD INVERTER (R32)

UV36F / UV42F / UV48F / UV60F

UUD3 U30

3Phase

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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 ~ 12.5	4.8 ~ 12.1 ~ 14.2	5.4 ~ 13.4 ~ 15.7	5.8 ~ 14.4 ~ 15.6
	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 ~ 2.65 ~ 4.03	0.80 ~ 3.90 ~ 5.07	0.90 ~ 4.50 ~ 5.85	1.10 ~ 5.33 ~ 5.97
	Heating	Min ~ Rated ~ Max	kW	0.50 ~ 2.60 ~ 3.54	0.80 ~ 3.75 ~ 4.88	0.90 ~ 4.77 ~ 5.82	1.10 ~ 5.60 ~ 6.44
Running Current	Cooling	Rated	A	4.2	6.1	7.0	8.2
	Heating	Rated	A	4.1	5.9	7.3	8.5
EER / COP			kWh/kWh	3.59 / 4.15	3.10 / 3.60	2.98 / 3.25	2.70 / 3.00
SEER / SCOP			kWh/kWh	6.3 / 4.1	6.3 / 4.1	5.9 / 4.1	5.7 / 4.1
Pdesign	Cooling @ 35℃		kW	9.5	12.1	13.4	14.4
	Heating @ -10℃		kW	9.5	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	1,516 / 3,244
Dehumidification Rate			l/h	3.6	5.5	6.3	7.1
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	69	71
Piping Connections	Liquid		mm (inch)	Ø9.52 (3/8)	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)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-20 ~ 52	-20 ~ 52	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	℃	-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 / 35 / 28	59 / 40 / 28	59 / 40 / 28
Air Flow Rate		H / M / L	m^3/min	28 / 24 / 20	28 / 24 / 20	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	1,600 x 235 x 690	1,600 x 235 x 690
Weight	Body		kg	36.7	36.7	36.7	36.7
Sound Pressure Level	Cooling	H / M / L	dB(A)	46 / 43 / 40	46 / 43 / 40	48 / 44 / 40	48 / 44 / 40
Sound Power Level	Cooling	Max.	dB(A)	62	62	63	63
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				**UUD3 U30**			
Power Supply			Ø, V, Hz	3, 380-415, 50			
Circuit Breaker		Min	A	20			
Power Supply Cable (included Earth)			No x mm^3	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			
Refrigerant	Type		-	R32			
	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	m^3/min x No.	55 x 2			
Total Piping Length		Min / Max	m	5 / 85			
Piping Elevation	IDU - ODU	Max	m	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)

CEILING SUSPENDED UNIT

R32

COMPACT INVERTER (R32)

UV18F / UV24F / UV30F / UV36F

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UUA1 UL0

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℃		kW	5	6.8	7.5	9.5
	Heating @ -10℃		kW	2.9	4.3	4.4	5.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A++	A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	265 / 883	361 / 1,433	398 / 1,433	545 / 1,833
Dehumidification Rate			l/h	1.7	2.4	2.8	3.6
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
Piping Connections	Liquid		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	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	℃	-10 ~ 50	-10 ~ 48	-10 ~ 48	-20 ~ 50
	Heating	Min ~ Max	℃	-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	m^3 / 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 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 mm^3	3C x 1.5	3C x 2.5		3C x 2.5
Dimensions	Net	W x H x D	㎜	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
Refrigerant	Type		-	R32	R32		R32
	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	40		40
Fan	Air Flow Rate	Rated	m^3/min x No.	28 × 1	50 × 1		58 × 1
Total Piping Length		Min / Max	m	5 / 30	5 / 35		5 / 50
Piping Elevation	IDU - ODU	Max	m	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)

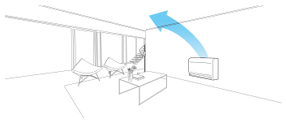
CONSOLE

CONSOLE

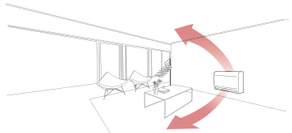
Optimised Air Flow for Cooling & Heating

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.

Cooling



Heating (Normal)



Heating (Floor Heating Mode)

Quick Floor Heating

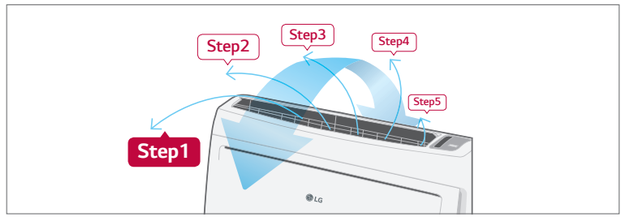
Console air conditioners portray high speed and powerful performance. Using the floor heating mode, console air conditioners provide floor heating at a faster pace in order to reach desired temperature more quickly.

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

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

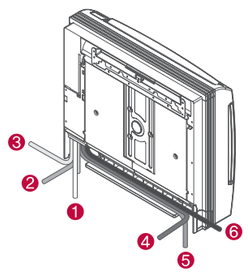
5-Step Vane Control

There are 5 different stages to control air flow direction.

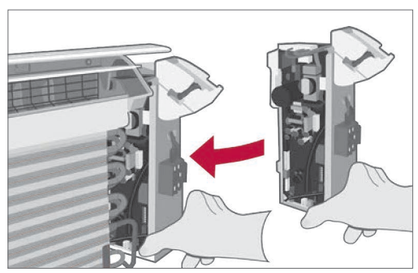


Easy Installation and Service

6 Different Ways to Install Piping



Easy Slide-type PCB



CONSOLE

R32

COMMERCIAL

SINGLE SPLIT

STANDARD INVERTER (R32)

UQ09F
UQ12F
UQ18F

UUA1 UL0 **UUB1 U20**

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: www.eurovent-certification.com

COMBINATION				9	12	18
Capacity	Cooling	Min ~ Rated ~ Max	kW	1.5 / 2.6 / 3.4	1.5 / 3.5 / 4.0	2.0 / 5.0 / 5.8
	Heating	Min ~ Rated ~ Max	kW	1.6 / 3.1 / 3.9	1.6 / 4.0 / 4.3	2.0 / 4.9 / 5.4
Power Input (Set)	Cooling	Min ~ Rated ~ Max	kW	0.30 / 0.65 / 0.91	0.30 / 1.00 / 1.46	0.40 / 1.75 / 2.45
	Heating	Min ~ Rated ~ Max	kW	0.30 / 0.74 / 1.08	0.30 / 1.05 / 1.58	0.30 / 1.56 / 2.11
Running Current	Cooling	Rated	A	2.9	4.4	8.3
	Heating	Rated	A	3.3	4.7	8.0
EER / COP			kWh/kWh	4.00 / 4.20	3.50 / 3.80	2.85 / 3.14
SEER / SCOP			kWh/kWh	6.5 / 4.0	6.4 / 4.0	5.8 / 3.8
Pdesign	Cooling @ 35℃		kW	2.6	3.5	5
	Heating @ -10℃		kW	2.8	3	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			l/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)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)
	Connections Method		-	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	Min ~ Max	℃	-20 ~ 18	-20 ~ 18	-20 ~ 18
INDOOR				**UQ09F NA0**	**UQ12F NA0**	**UQ18F NA0**
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	m^3/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	Ø16.7 / 12.2	Ø16.7 / 12.2	Ø16.7 / 12.2
OUTDOOR				**UUA1 UL0**		**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 mm^3	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	m^3/min x No.	28 x 1		50 x 1
Total Piping Length		Min / Max	m	5 / 30		5 / 30
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)

FLOOR STANDING UNIT

FLOOR STANDING UNIT

Stylish Design

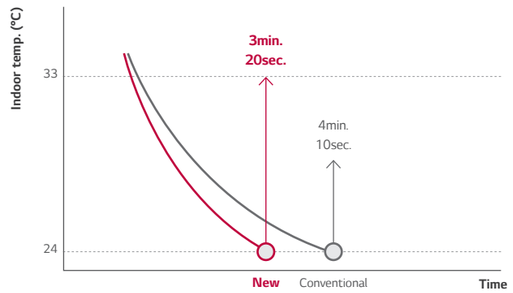
The new LG floor standing air conditioner which is Red Dot design award winner 2013, is ideal for modern interiors in your home or office.

reddot design award
winner 2013

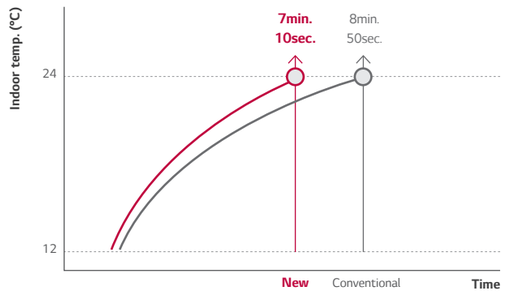
Quick Response

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.

Cooling

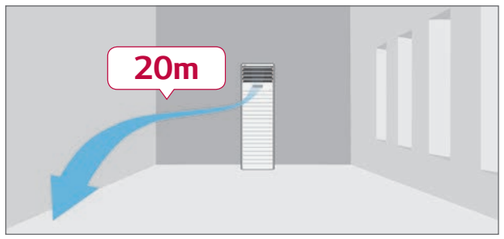


Heating



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 UNIT

R410A

STANDARD INVERTER (R410A)

3Phase

UP48

EUROVENT CERTIFIED PERFORMANCE

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

UU48W

UU49W

INDOOR				UP48 NT2	UP49 NT2
Capacity	Cooling	Min / Nom / Max	kW	6.0 / 13.4 / 15.2	6.0 / 13.4 / 15.2
	Heating	Min / Nom / Max	kW	6.0 / 15.5 / 17.1	6.0 / 15.5 / 17.1
Low Temperature Capacity	Heating -7°C	Max	kW	16.0	16.0
Power Input (Set)	Cooling	Nom	kW	4.2	4.2
	Heating	Nom	kW	4.5	4.5
Power Input (Indoor)		Nom	W	200	200
Running Current	Cooling / Heating	Nom	A	18.1 / 19.5	5.76 / 6.20
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
EER				3.21	3.21
COP				3.41	3.41
SEER				5.05	5.05
SCOP				3.51	3.51
Pdesign (@ -10°C)			kW	11.5	11.5
Seasonal Energy Label	Cooling / Heating			-	-
AnnualEnergyConsumption	Cooling / Heating		kWh	-	-
Piping Connection	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25
Air Flow Rate		High / Medium / Low	m³/min	31 / 27 / 23	31 / 27 / 23
Sound Pressure	Cooling	High / Medium / Low	dB(A)	52 / 49 / 45	52 / 49 / 45
Sound Power	Cooling	Max	dB(A)	65	59
Dehumidification Rate			l/h	5.0	5.0
Dimensions	Body	W x H x D	mm	590 x 1,840 x 460	590 x 1,840 x 460
Net Weight	Body		kg	50.0	50.0

OUTDOOR				UU48W U32	UU49W U32
Compressor	Type			Twin Rotary	Twin Rotary
Airflow Rate		Nom	m³/min	110	110
Sound Pressure	Cooling	Nom	dB(A)	52	52
	Heating	Nom	dB(A)	54	54
Sound Power	Cooling	Max	dB(A)	72	68
Dimensions	W x H x D		mm	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	92.0	96.0
Refrigerant	Type		-	R410A	R410A
	Charge		g	3,400	3,400
	Additional Charge		g/m	40	40
	GWP		-	2087.5	2087.5
	TCO2eq		-	7.1	7.1
Operation Range (Outdoor)	Cooling	Min / Max	°C DB	-15 / 48	-15 / 48
	Heating	Min / Max	°C WB	-18 / 18	-18 / 18
Power Supply			Ø, V, Hz	1, 220-240, 50	3, 380-415, 50
Power Supply Cable			No. x mm²	3C x 5.0	5C x 5.0
Transmission Cable			No. x mm²	4C x 0.75	4C x 0.75
Circuit Breaker			A	40	20
Piping Length Total		Min / Max	m	5 / 75	5 / 75
Piping Elevation Difference	IDU - ODU	Max	m	30	30
Piping Connection	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)

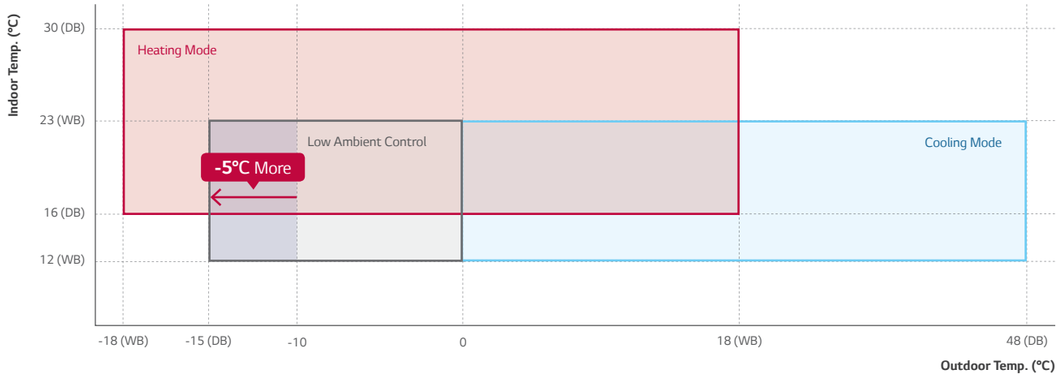
Note :
1. Due to our policy of innovation some specifications may be changed without notification.
2. Performances are based on the following conditions (It is accordance with EN14511)
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
   - Heating : Indoor Ambient 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)

WALL MOUNTED UNIT

WALL MOUNTED UNIT

Wide Operational Range

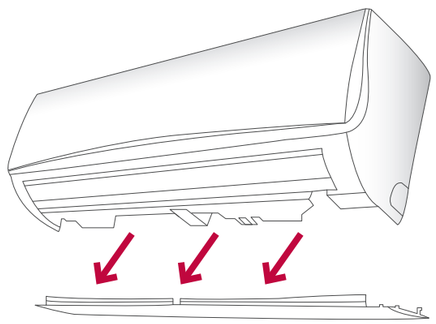
Ideal and comprehensive solution for server rooms, machine rooms and kitchens.



Easy Installation

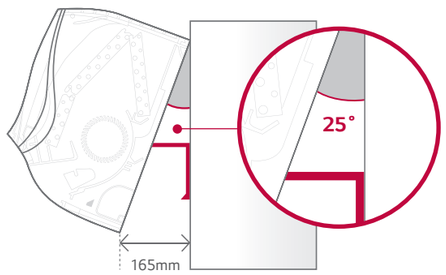
Detachable Bottom Cover

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 UNIT

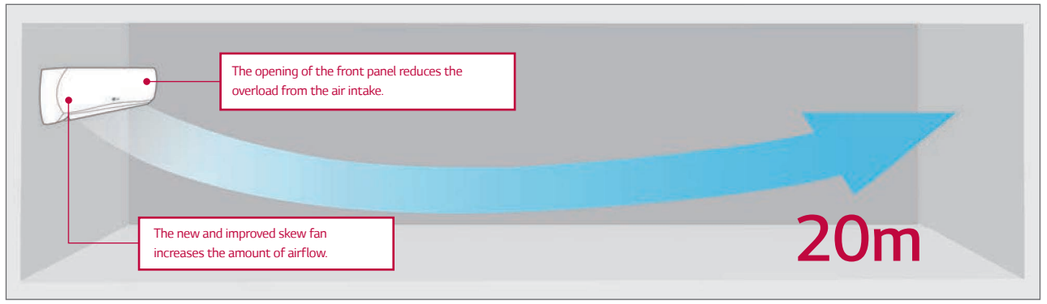
High Energy Efficiency

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+)

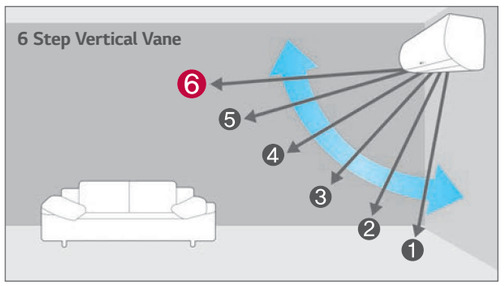
Powerful Cooling & Heating

20m Windblast



Optimised 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 UNIT

R32

STANDARD INVERTER (R32)

3Phase

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℃		kW	8	9.5	9.5
	Heating @ -10℃		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
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	℃	-20 ~ 50	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	℃	-20 ~ 18	-25 ~ 18	-25 ~ 18
INDOOR				**US30F NR0**	**US36F NR0**	**US36F NR0**
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	47 / 42 / 36	65 / 47 / 42	65 / 47 / 42
Air Flow Rate		H / M / L	m^3/min	21 / 17 / 13	25 / 21 / 17	25 / 21 / 17
Dimensions	Body	W x H x D	mm	1,200 x 360 x 265	1,200 x 360 x 265	1,200 x 360 x 265
Weight	Body		kg	18.3	18.3	18.3
Sound Pressure Level	Cooling	H / M / L	dB(A)	46.0 / 42.0 / 38.0	51.0 / 46.0 / 42.0	51.0 / 46.0 / 42.0
Sound Power Level	Cooling	Max.	dB(A)	62	65	65
Piping Connections	Drain	O.D. / I.D.	mm	Ø21.5 / 16.0	Ø21.5 / 16.0	Ø21.5 / 16.0
OUTDOOR				**UUC1 U40**	**UUD1 U30**	**UUD3 U30**
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	3, 380-415, 50
Circuit Breaker		Min	A	25	40	20
Power Supply Cable (included Earth)			No x mm^3	3C x 2.5	3C x 6.0	5C x 2.5
Dimensions	Net	W x H x D	mm	950 × 834 × 330	950 x 1,380 x 330	950 x 1,380 x 330
Weight	Net		kg	57.7	85	85
Compressor	Type		-	Twin Rotary	Inverter Scroll	Inverter Scroll
Refrigerant	Type		-	R32	R32	R32
	GWP (Global Warming Potential)		-	675	675	675
	Precharged Amount		kg	1.9	3.0	3.0
	t-CO℡eq.		-	1.283	2.025	2.025
	Additional Charge (After 7.5m)		g/m	40	40	40
Fan	Air Flow Rate	Rated	m^3/min x No.	58 × 1	55 x 2	55 x 2
Total Piping Length		Min / Max	m	5 / 50	5 / 85	5 / 85
Piping Elevation	IDU - ODU	Max	m	30	30	30

Note :
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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)

SINGLE SPLIT SPECIFICATION

WALL MOUNTED UNIT

R32

COMPACT INVERTER (R32)

US30F / US36F

LG participates in the ECP programme for EUROVENT AC program.
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℃		kW	7.5	9.5
	Heating @ -10℃		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
Piping Connections	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	℃	-10 ~ 48	-20 ~ 50
	Heating	Min ~ Max	℃	-15 ~ 18	-15 ~ 18
INDOOR				**US30F NR0**	**US36F NR0**
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	47 / 42 / 36	65 / 47 / 42
Air Flow Rate		H / M / L	m^3/min	21 / 17 / 13	25 / 21 / 17
Dimensions	Body	W x H x D	mm	1,200 x 360 x 265	1,200 x 360 x 265
Weight	Body		kg	18.3	18.3
Sound Pressure Level	Cooling	H / M / L	dB(A)	46.0 / 42.0 / 38.0	51.0 / 46.0 / 42.0
Sound Power Level	Cooling	Max.	dB(A)	62	65
Piping Connections	Drain	O.D. / I.D.	mm	Ø21.5 / 16.0	Ø21.5 / 16.0
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 mm^3	3C x 2.5	3C x 2.5
Dimensions	Net	W x H x D	mm	870 x 650 x 330	950 × 834 × 330
Weight	Net		kg	44.5	57.7
Compressor	Type		-	Twin Rotary	Twin Rotary
Refrigerant	Type		-	R32	R32
	GWP (Global Warming Potential)		-	675	675
	Precharged Amount		kg	1.2	1.9
	t-CO℡eq.		-	0.81	1.283
	Additional Charge (After 7.5m)		g/m	40	40
Fan	Air Flow Rate	Rated	m^3/min x No.	50 × 1	58 × 1
Total Piping Length		Min / Max	m	5 / 35	5 / 50
Piping Elevation	IDU - ODU	Max	m	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)

AHU SOLUTION

AHU COMBINATION

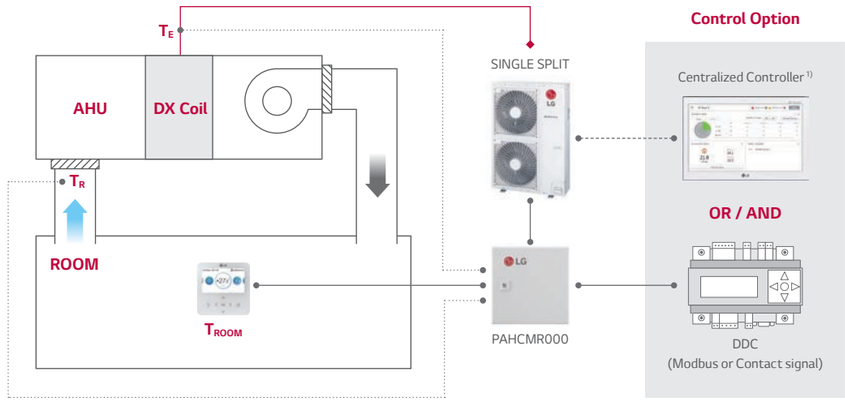
Air Handling Applications

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

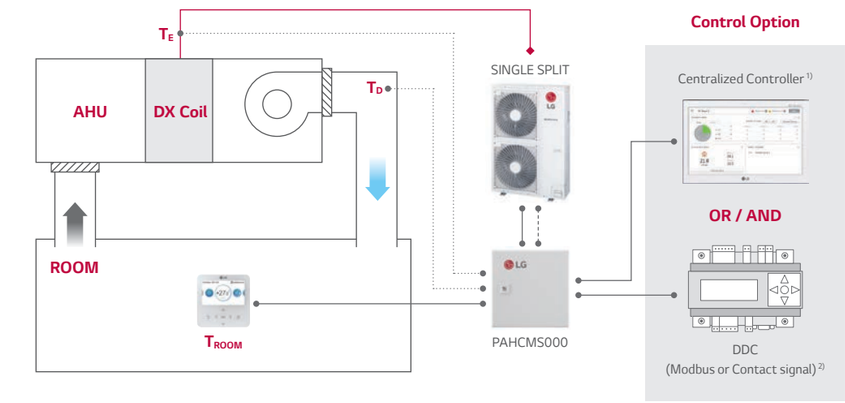
T_E = Evaporator Temperature (Liquid Pipe / Gas Pipe)
T_R = Return Air Temperature
T_{ROOM} = Room Air Temperature



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

FUNCTION LIST*		PAHCMR000	PAHCMS000	NOTE
Control	Comm. Kit Operation	On / Off	On / Off	
	Operation Mode [1]	Cooling / Heating	Cooling / Heating	
	Return (room) Air Temperature	16~30℃	-	
	Discharge Air Temperature [2]	-	16~30℃	Available in case of using DDC with Modbus or LG Control system
	Fan Speed [3]	Low / Middle / High	Low / Middle / High	It may not be possible depending on the particular condition
	Forced Thermal On / Off	On / Off	-	Available in case of using DDC with contact signal
	Capacity Control	-	•	Available in case of using DDC with Modbus or contact signal
Monitor	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
	Fan Speed	Low / Middle / High	Low / Middle / High	
	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 UL0	UUB1 U20	UUC1 U40	UUD1 U30 UUD3 U30	UU70WJU34	UU85WJU74
Capacity Index Range	kBtu/h	9 ~18	18 ~ 30	24 ~ 36	36 ~ 60	70	85
	kW	2.5 ~ 5.0	5.0 ~ 8.0	6.8 ~ 10.0	10.0 ~ 14.6	20.0	25.0
PAHCMR000		X	O	O	O	O	O
PAHCMS000		X	O	O	O	O	O

ACCESSORIES

LG WI-FI MODEM

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

PWFMDD200

Features

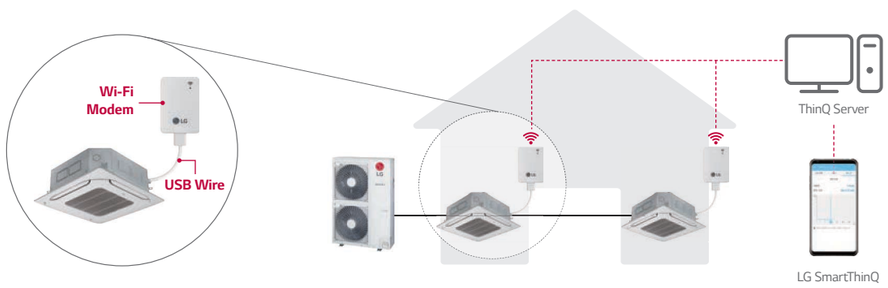
- Access LG air conditioner anytime and from anywhere with Wi-Fi equipped device
- LG's exclusive Home Appliances control app(ThinQ) is available
- Simple operation for various functions
  - On/Off
  - Fan Speed
  - Energy Monitoring [1)]
  - Operation Mode
  - Vane Control [2)]
  - Filter Management
  - Current/Set Temperature
  - Reservation (Sleep, Weekly On/Off)
  - Error check

MODEL NAME	PWFMDD200
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 Smart 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

Download on the App Store GET IT ON Google Play

Overview



* Search "LG Smart 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

PREMTB10

Standard II

PREMTB001

PREMTB01

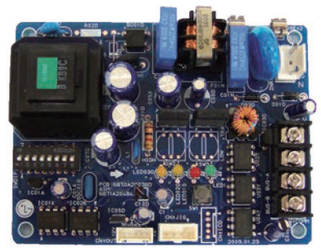
Model Name	PREMTB100 PREMTBB10	PREMTB001 PREMTBB01
Operation Mode	On/Off, Fan Speed Control, Temperature Setting	
Mode Change	Cooling / Heating / Auto / Dehumidification / Fan	
Auto Swing / Vane Control	·	·
Reservation	Simple / Sleep / On, Off / Weekly / Holiday	
Time Display	·	·
Electrical Failure Compensation	·	·
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	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 & 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
1) Available April 2020. Can use a universal input port with PDRYCB320 model.

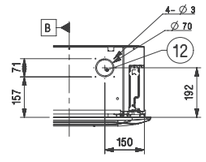
CEILING CASSETTE

H-INVERTER (R32)

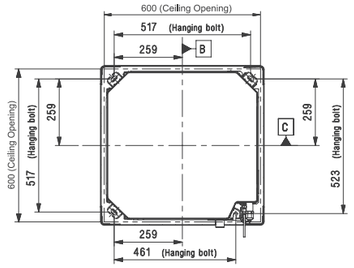
UT09FH NQ0 / UT12FH NQ0

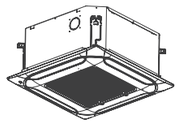
(Unit : mm)

	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 Intake
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

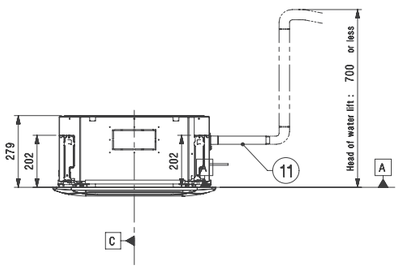


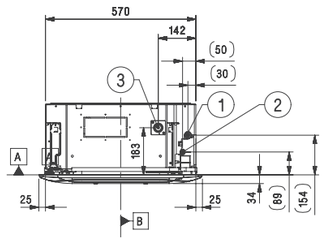
View A
Fresh Air Intake hole

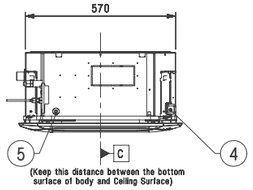




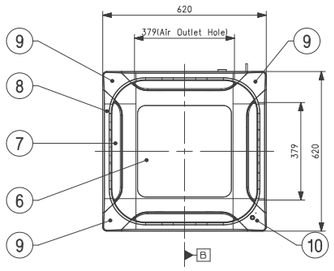
3D View







(Keep this distance between the bottom surface of body and Ceiling Surface)



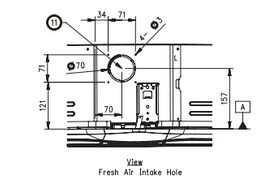
CEILING CASSETTE

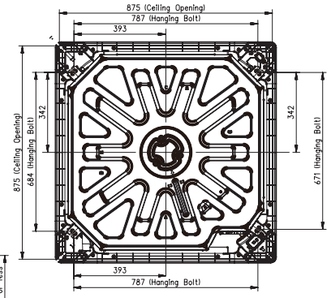
H-INVERTER (R32)

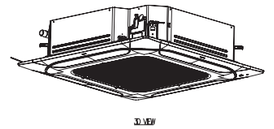
UT18FH NB0

(Unit : mm)

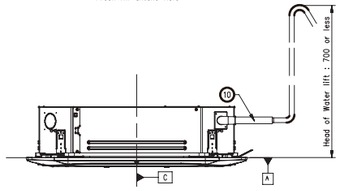
	Part Name
1	Gas Pipe Connection
2	Liquid Pipe Connection
3	Drain Pipe Connection
4	Power and Communication cable routing hole
5	Wired remote controller wire routing hole
6	Air Inlet
7	Air Outlet
8	Decoration Panel (Accessory)
9	Decoration Corner Cover
10	Flexible Drain Hose
11	Fresh air Intake Hole

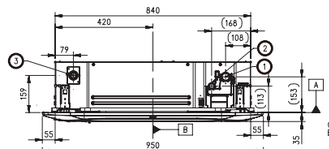


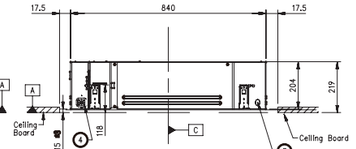




3D VIEW

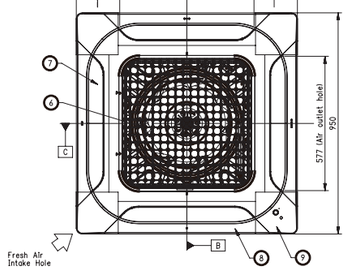






(Keep this distance between the bottom surface of body and Ceiling Surface)

Installation position of body



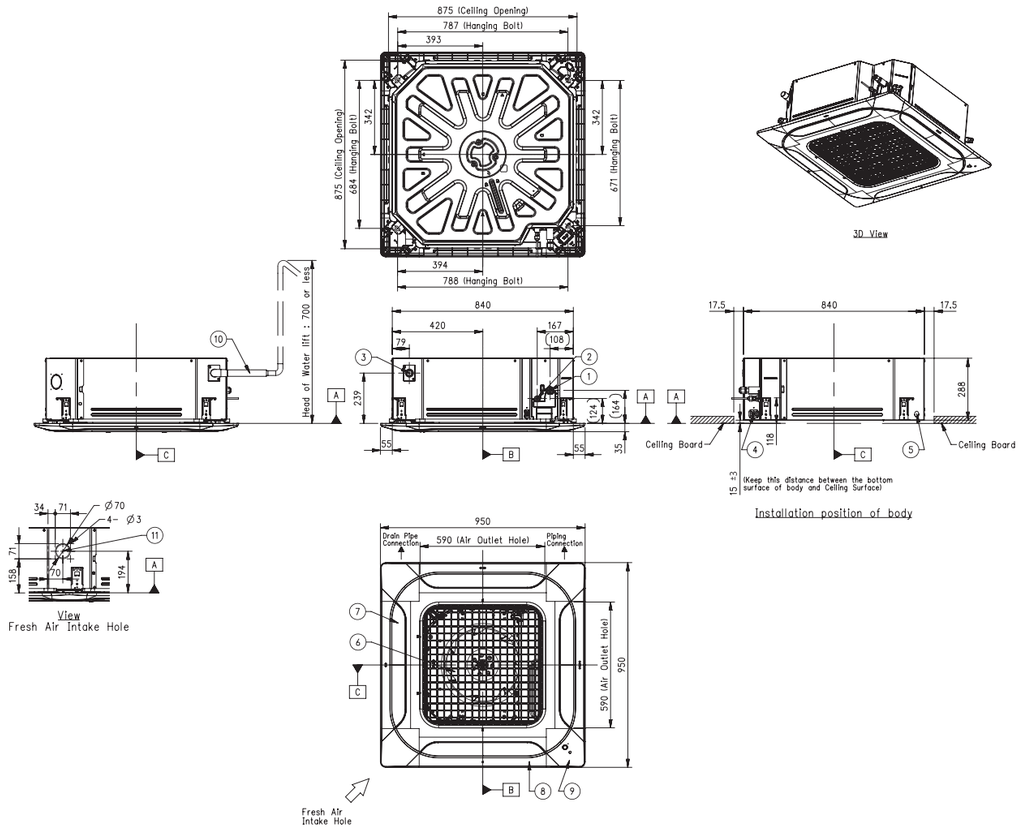
CEILING CASSETTE

H-INVERTER (R32)

UT24FH NA0 / UT30FH NA0 / UT36FH NA0 / UT42FH NA0
UT48FH NA0 / UT60FH NA0

(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



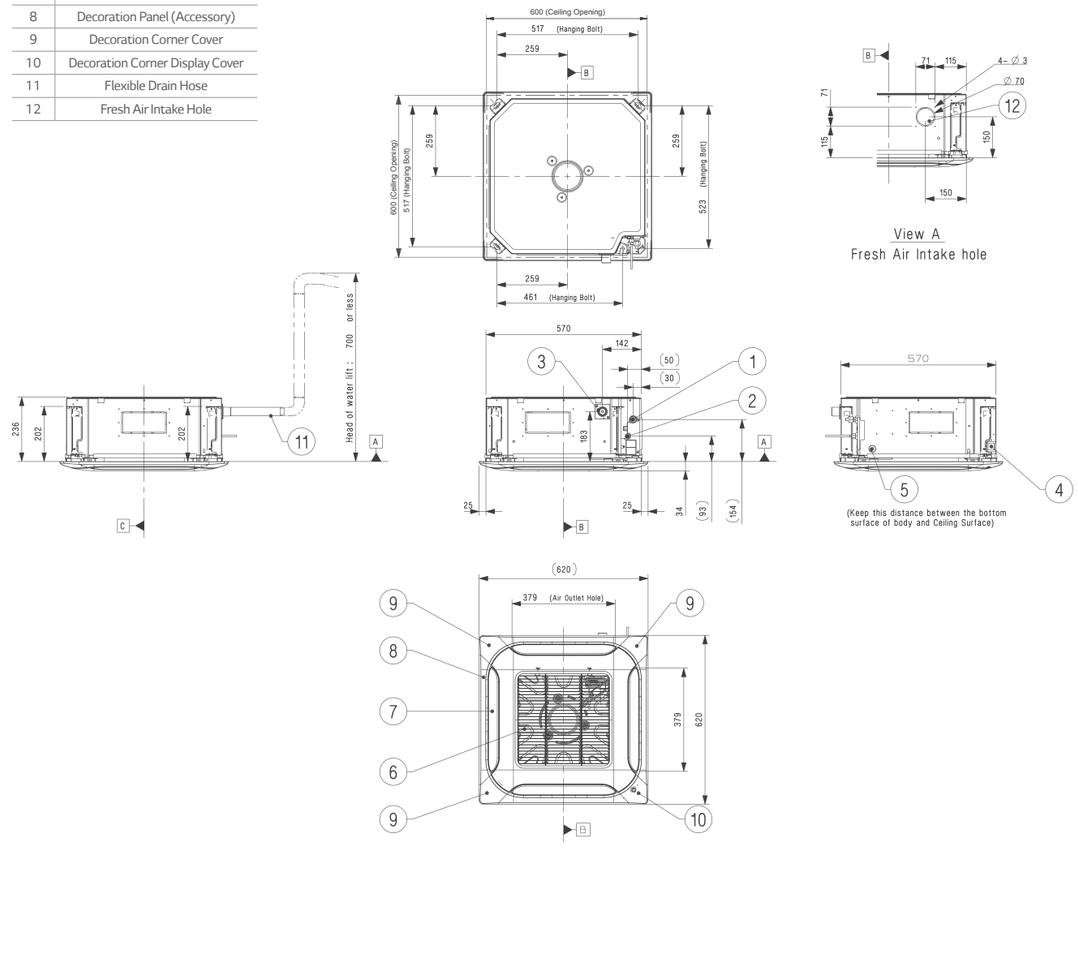
CEILING CASSETTE

STANDARD INVERTER (R32)

CT09F NR0 / CT12F NR0

(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 Intake
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



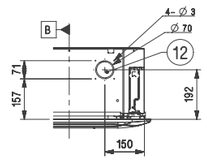
CEILING CASSETTE

STANDARD / COMPACT INVERTER (R32)

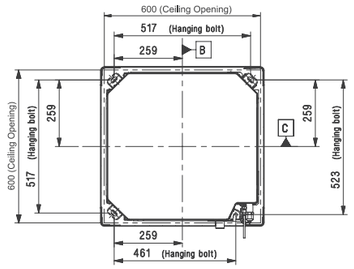
CT18F NQ0

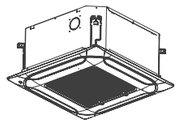
(Unit : mm)

	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 Intake
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

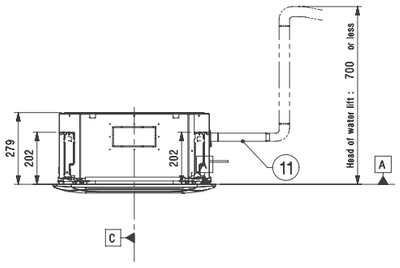


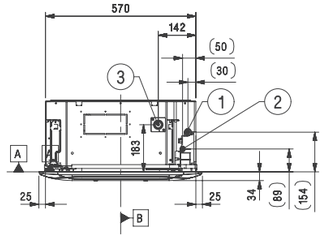
View A
Fresh Air Intake hole

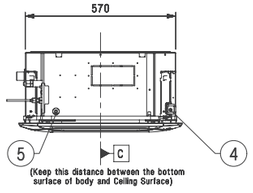


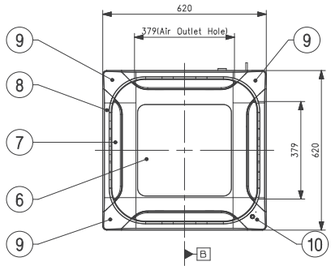


3D View









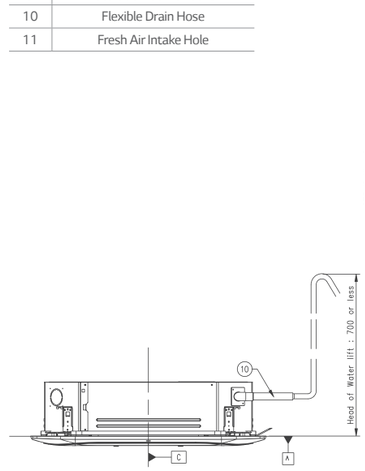
CEILING CASSETTE

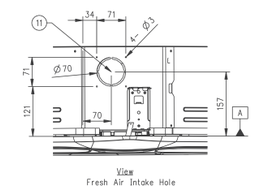
STANDARD / COMPACT INVERTER (R32)

CT24F NB0 / UT30F NB0

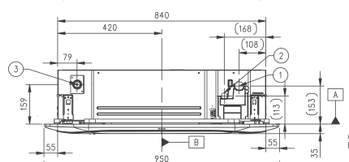
(Unit : mm)

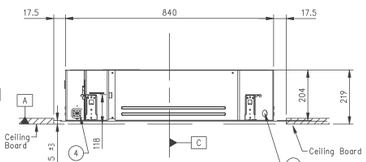
	Part Name
1	Gas Pipe Connection
2	Liquid Pipe Connection
3	Drain Pipe Connection
4	Power and Communication Cable Routing Hole
5	Wired Remote Controller Wire Routing Hole
6	Air Inlet
7	Air Outlet
8	Decoration Panel (Accessory)
9	Decoration Corner Cover
10	Flexible Drain Hose
11	Fresh Air Intake Hole





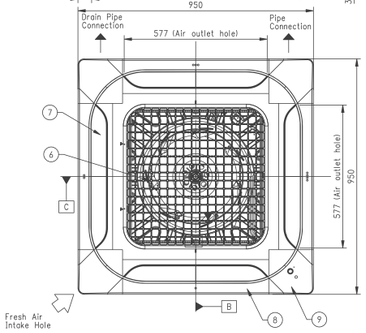
View
Fresh Air Intake Hole





(Keep this distance between the bottom surface of body and Ceiling Surface)

Installation position of body



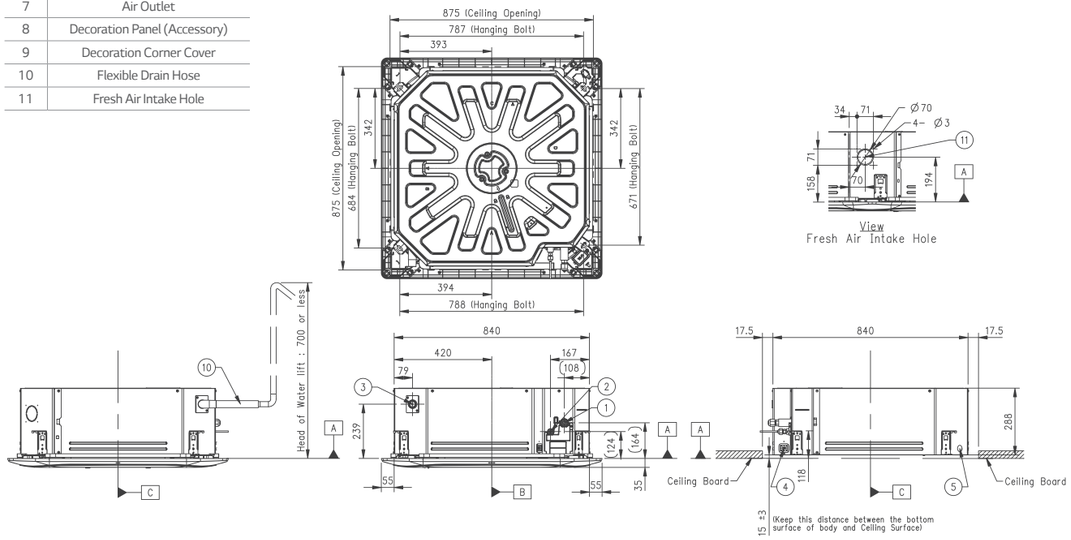
CEILING CASSETTE

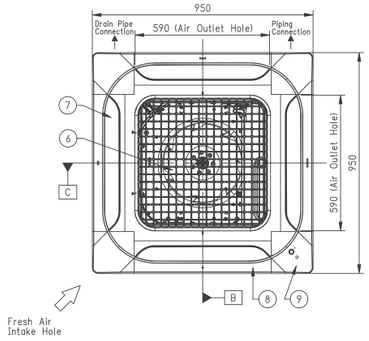
STANDARD / COMPACT INVERTER (R32)

UT36F NA0

(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





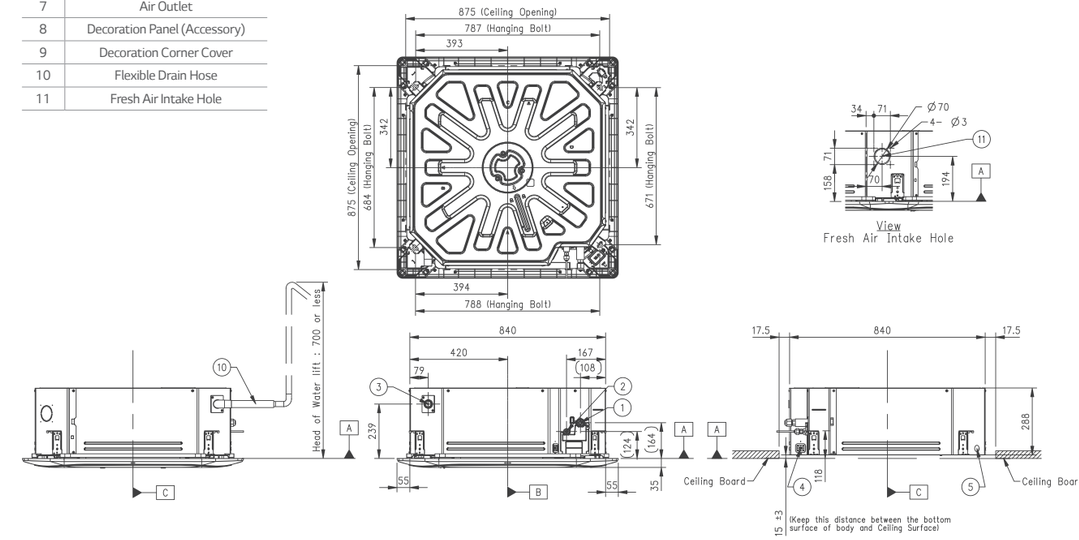
CEILING CASSETTE

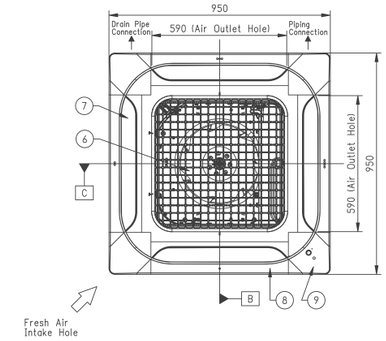
STANDARD NVERTER (R32)

UT42F NA0 / UT48F NA0 / UT60F NA0

(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





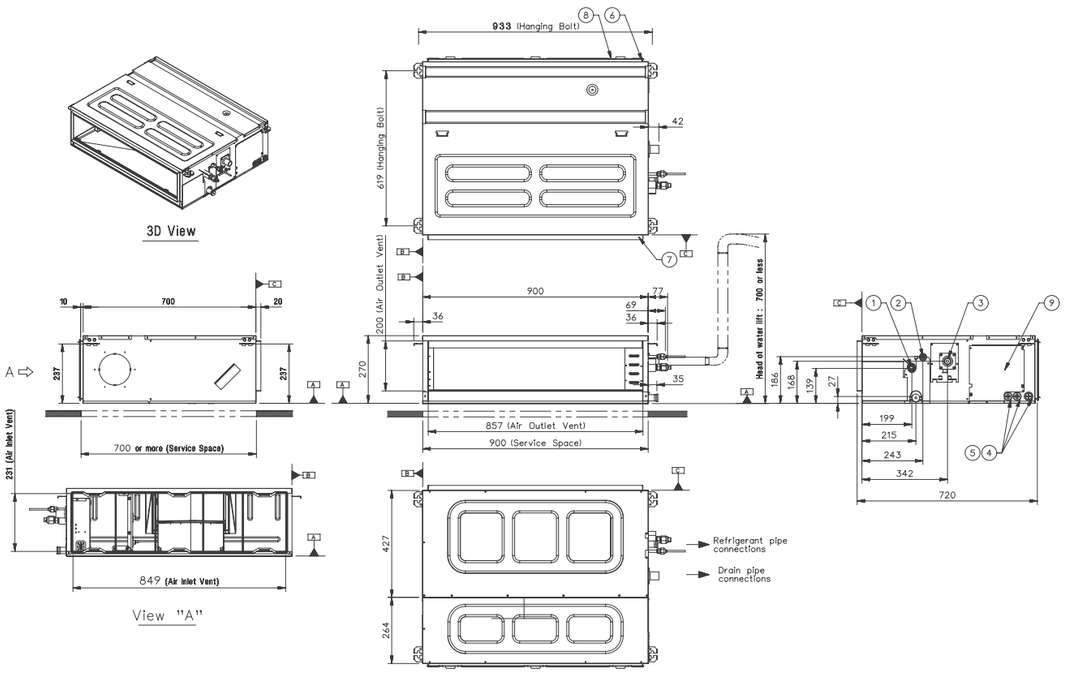
CEILING CONCEALED DUCT

H-INVERTER (R32) / MID STATIC

UM12FH N10 / UM18FH N10

(Unit : mm)

	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



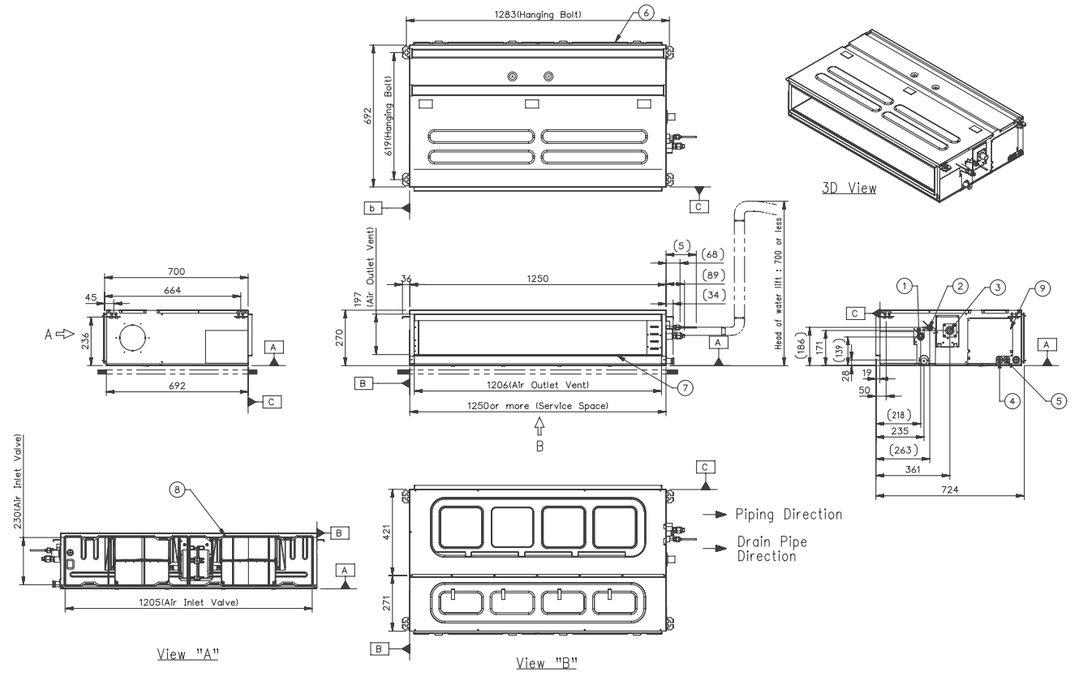
CEILING CONCEALED DUCT

H-INVERTER (R32) / MID STATIC

UM24FH N20 / UM30FH N20

(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
10	Flexible Drain Hose



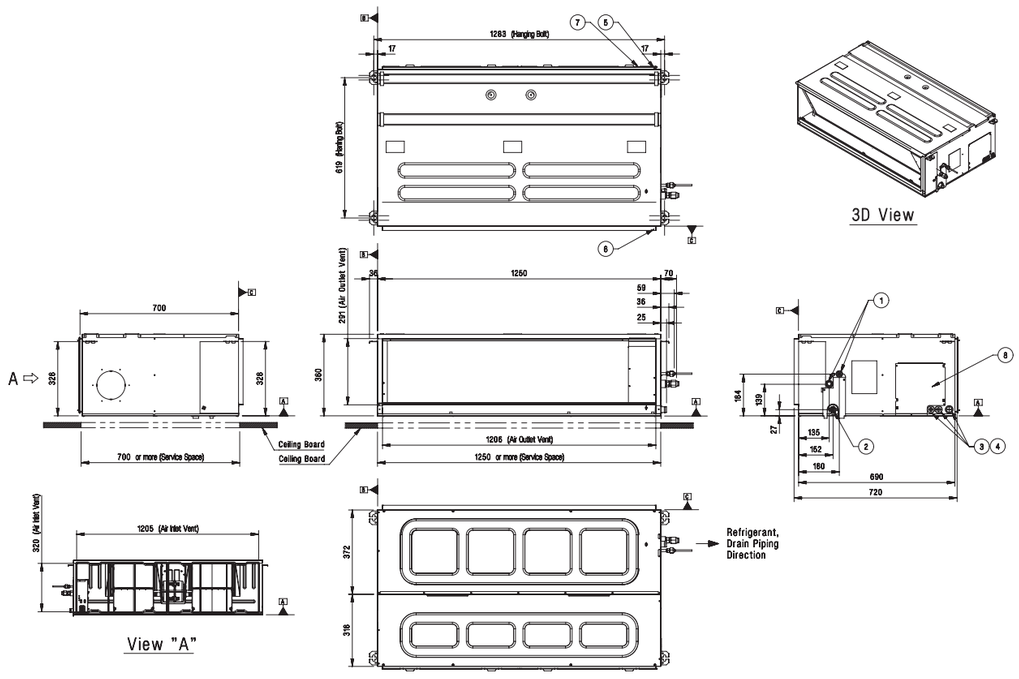
CEILING CONCEALED DUCT

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



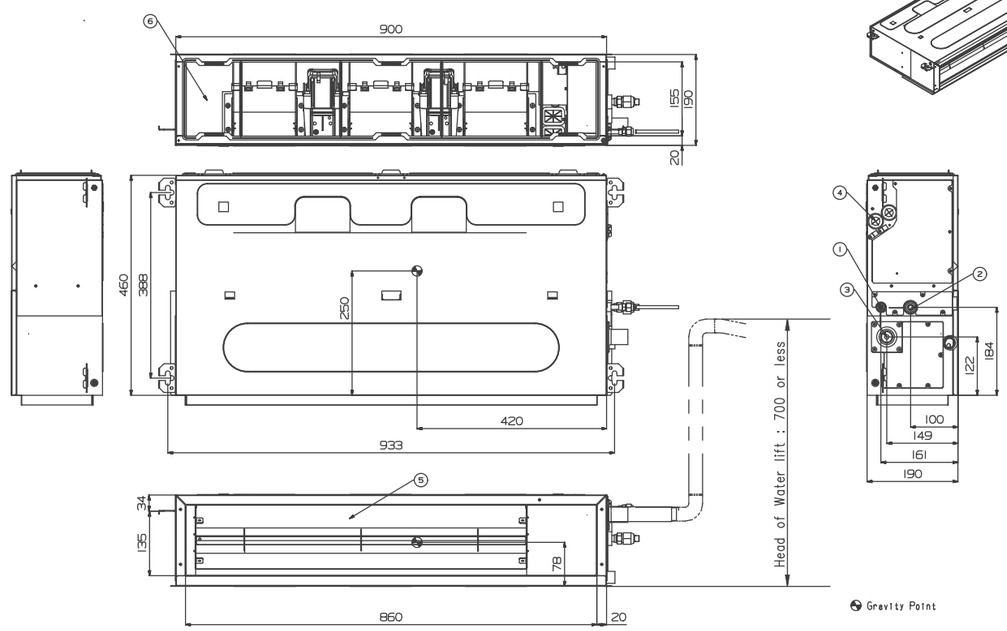
CEILING CONCEALED DUCT

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



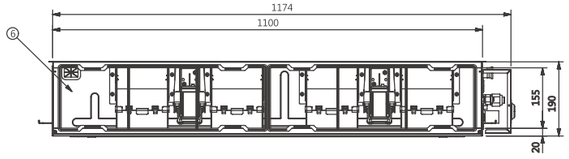
CEILING CONCEALED DUCT

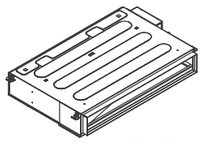
H-INVERTER (R32) / LOW STATIC

UL18FH N30

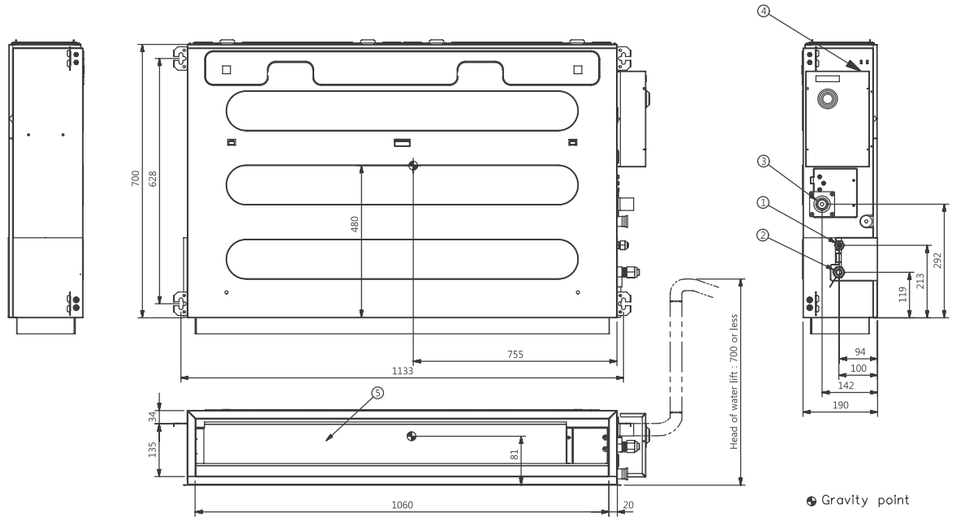
(Unit : mm)

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





3D-VIEW



Gravity point

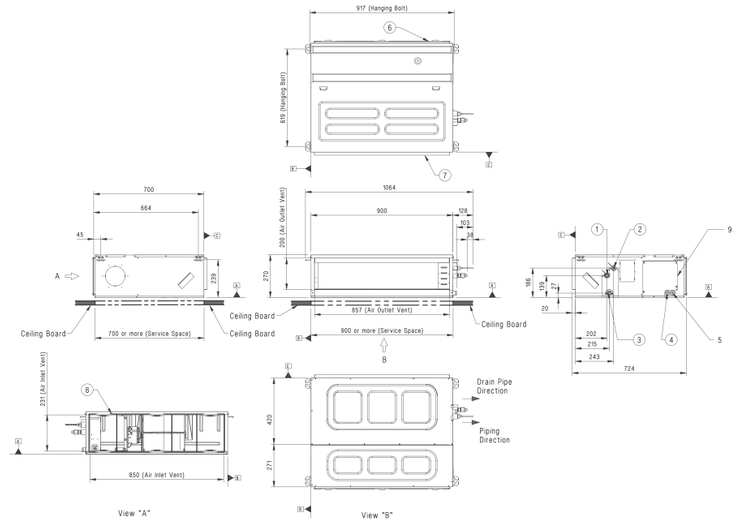
CEILING CONCEALED DUCT

STANDARD / COMPACT INVERTER (R32) / MID STATIC

CM18F N10 / CM24F N10 / UM30F N10

(Unit : mm)

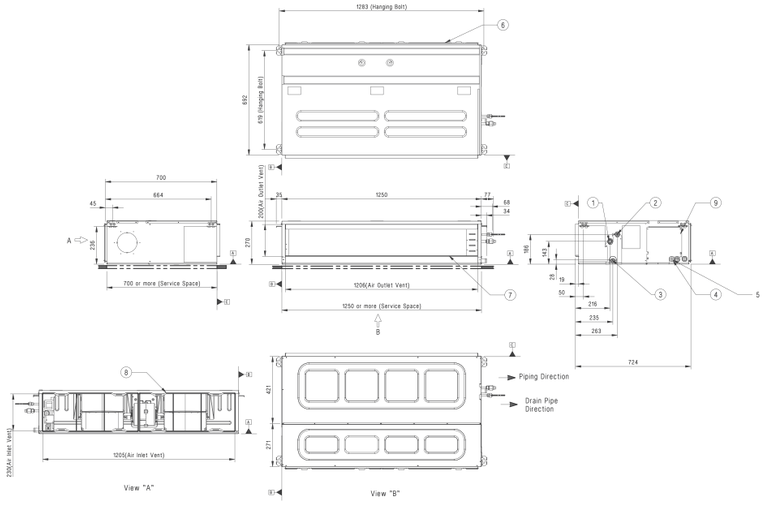
	Part Name
1	Gas Pipe Connection
2	Liquid Pipe Connection
3	Drain Pipe Connection
4	Power and Communication Cable Hole
5	Remote Controller Cable Hole
6	Air Inlet
7	Air Outlet
8	Air Filters
9	Control Cover



UM36F N20

(Unit : mm)

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



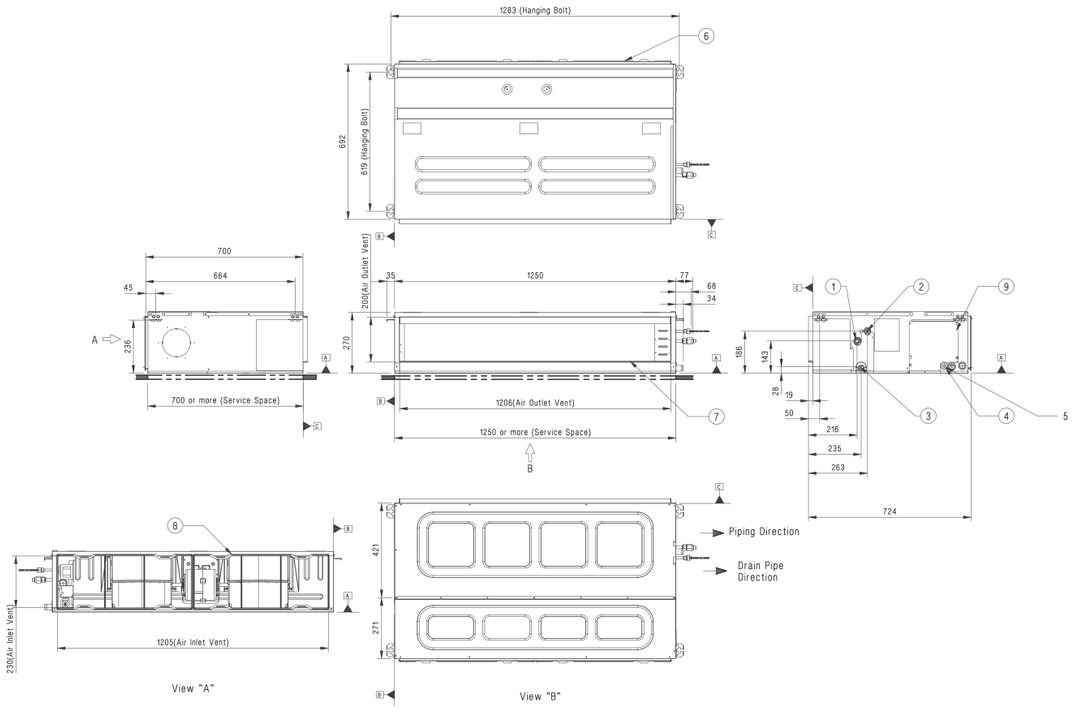
CEILING CONCEALED DUCT

STANDARD INVERTER (R32) / MID STATIC

UM42F N20

(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



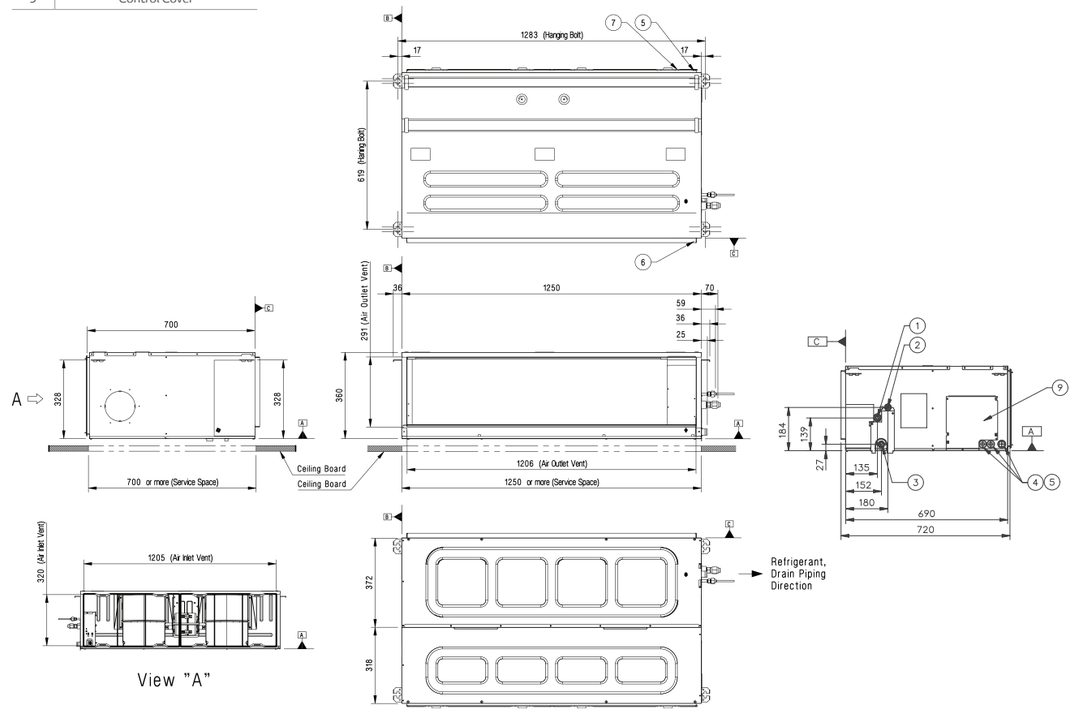
CEILING CONCEALED DUCT

STANDARD INVERTER (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



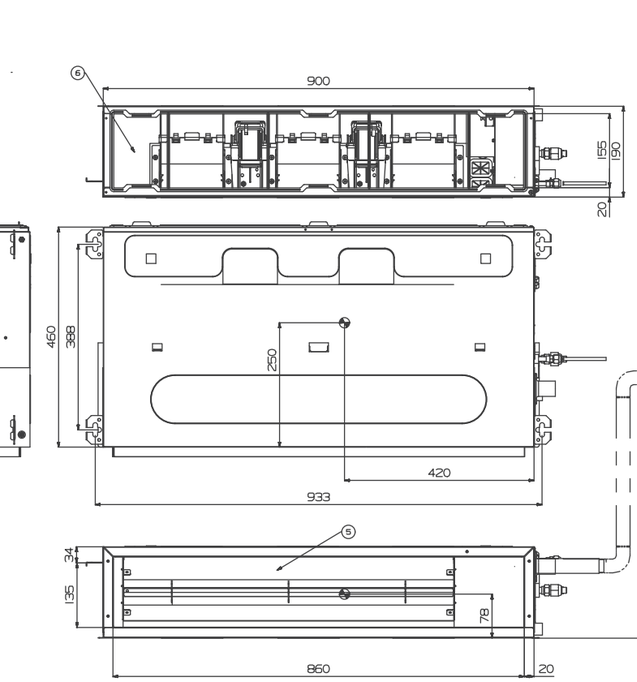
CEILING CONCEALED DUCT

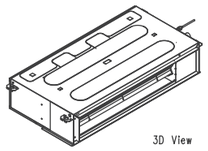
STANDARD INVERTER (R32) / LOW STATIC

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





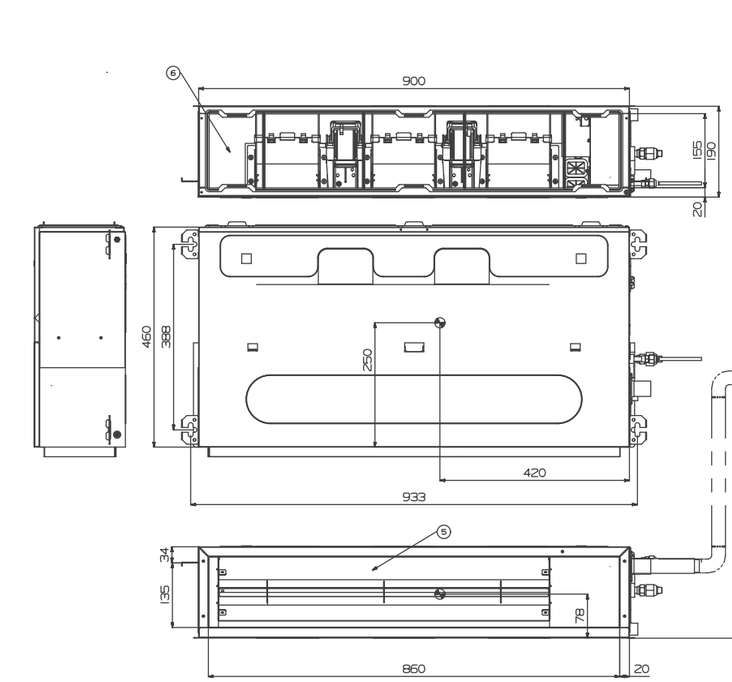
CEILING CONCEALED DUCT

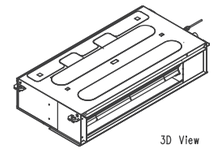
STANDARD / COMPACT INVERTER (R32) / LOW STATIC

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





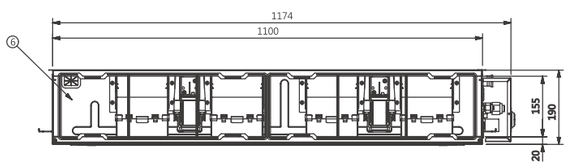
CEILING CONCEALED DUCT

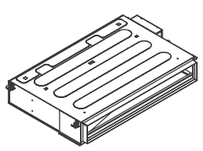
STANDARD / COMPACT INVERTER (R32) / LOW STATIC

CL24F N30

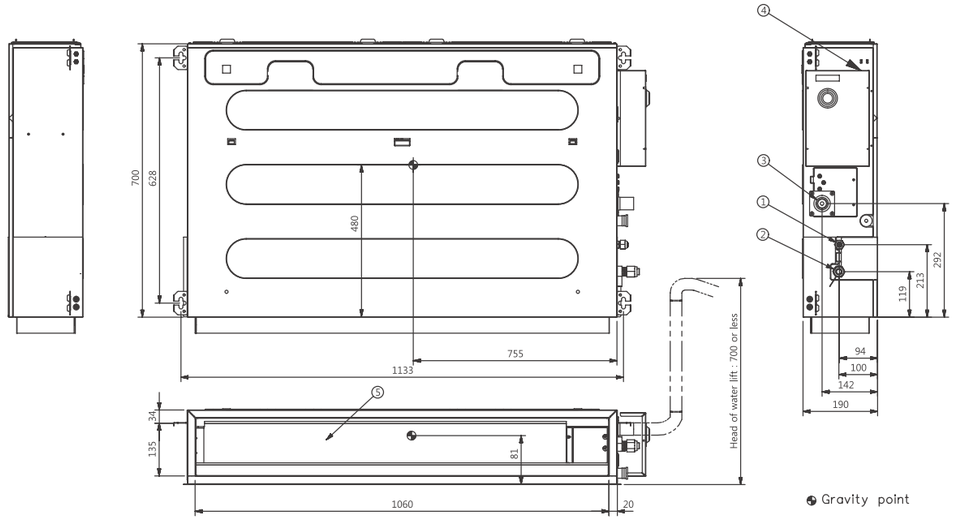
(Unit : mm)

	Part Name
1	Liquid pipe connection
2	Gas pipe connection
3	Drain pipe connection
4	Power supply connection
5	Air discharge
6	Air suction





3D-VIEW



Gravity point

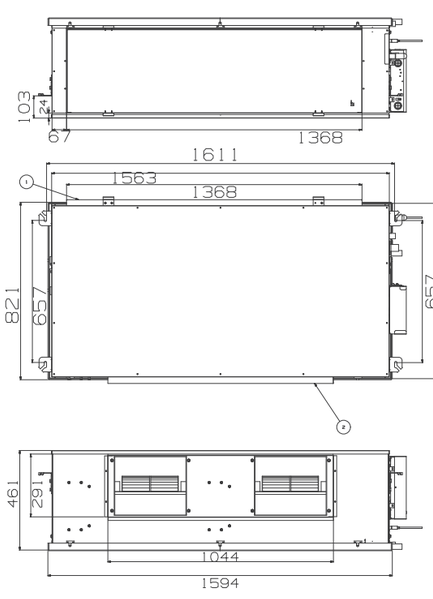
CEILING CONCEALED DUCT

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)



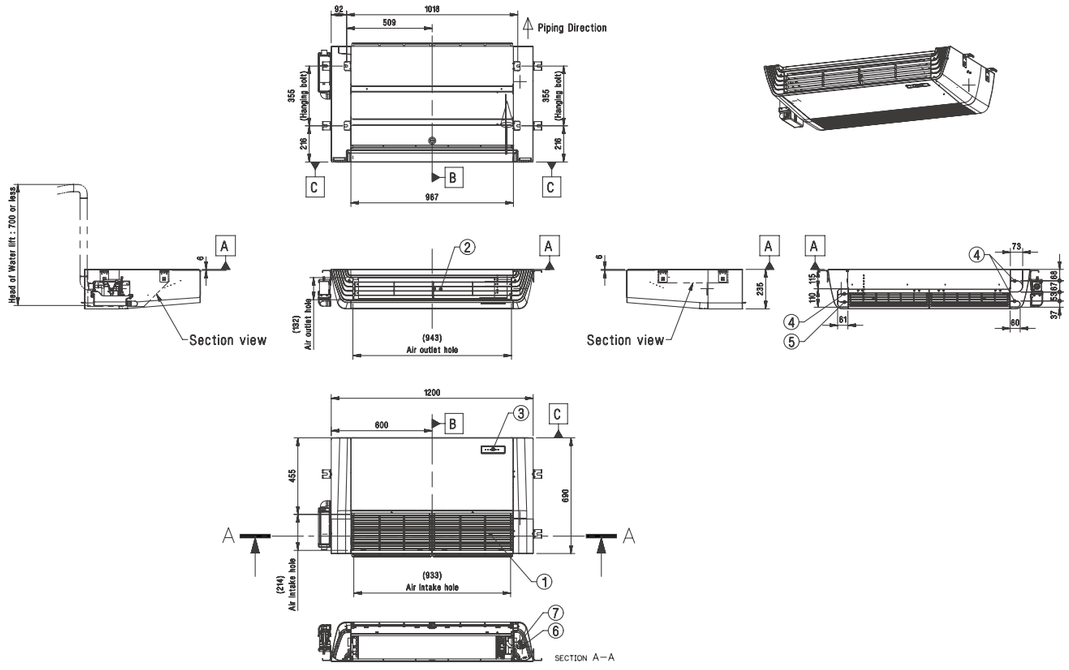
CEILING SUSPENDED UNIT

H-INVERTER (R32)

UV18FH N10

(Unit : mm)

	Part Name
1	Air Intake
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



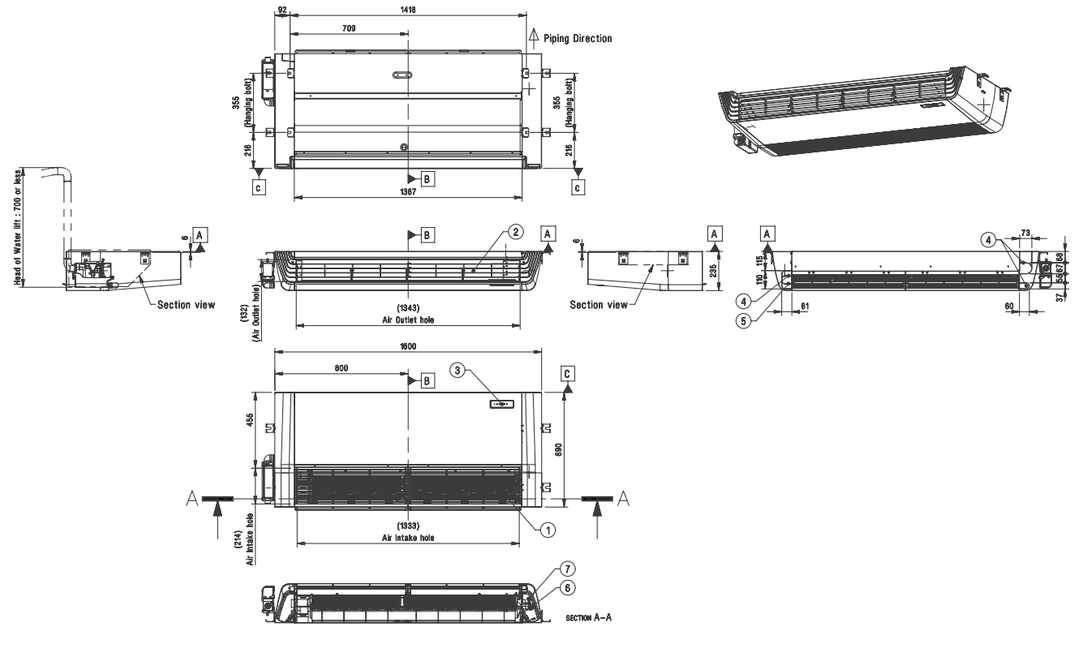
CEILING SUSPENDED UNIT

H-INVERTER (R32)

UV24FH N20 / UV30FH N20 / UV36FH N20 / UV42FH N20

(Unit : mm)

	Part Name
1	Air Intake
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



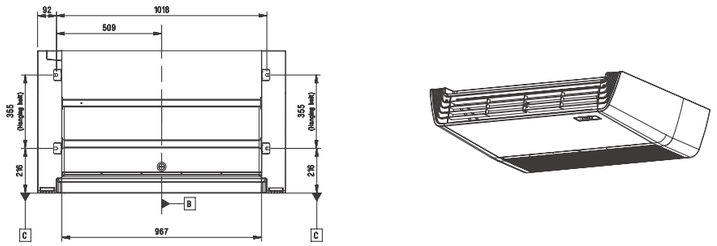
CEILING SUSPENDED UNIT

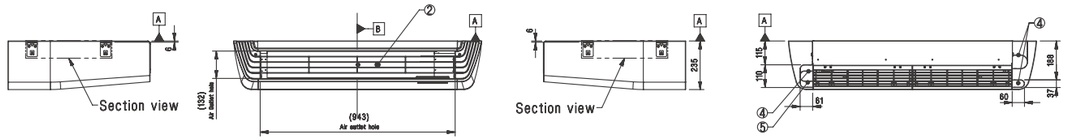
STANDARD / COMPACT INVERTER (R32)

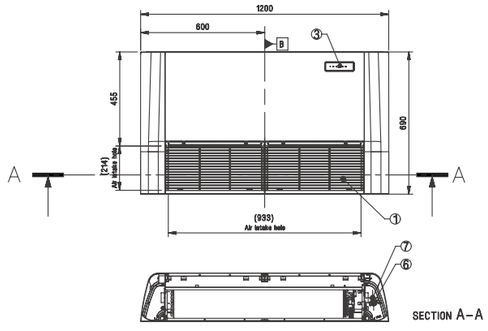
UV18F N10 / UV24F N10 / UV30F N10

(Unit : mm)

	Part Name
1	Air Intake
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







SECTION A–A

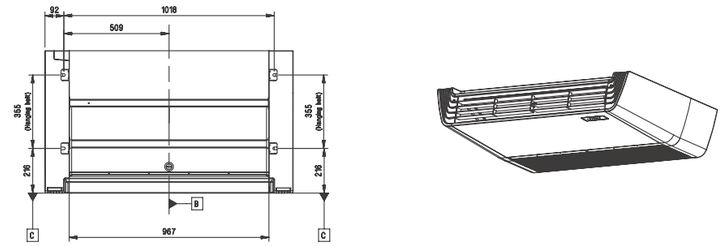
CEILING SUSPENDED UNIT

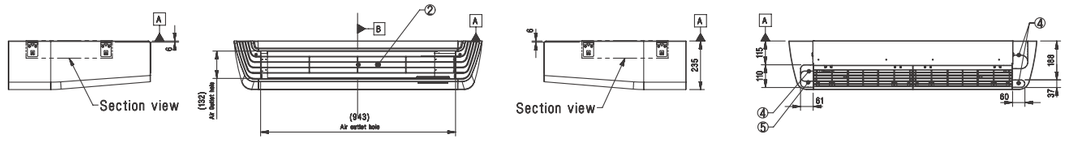
STANDARD INVERTER (R32)

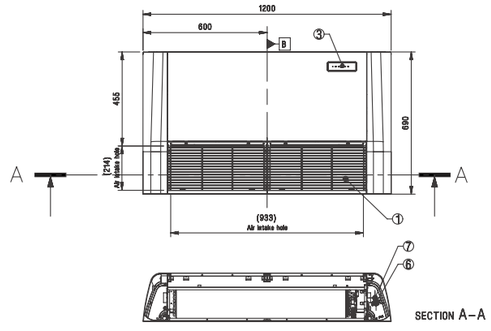
UV36F N20 / UV42F N20 / UV48F N20 / UV60F N20

(Unit : mm)

	Part Name
1	Air Intake
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







SECTION A–A

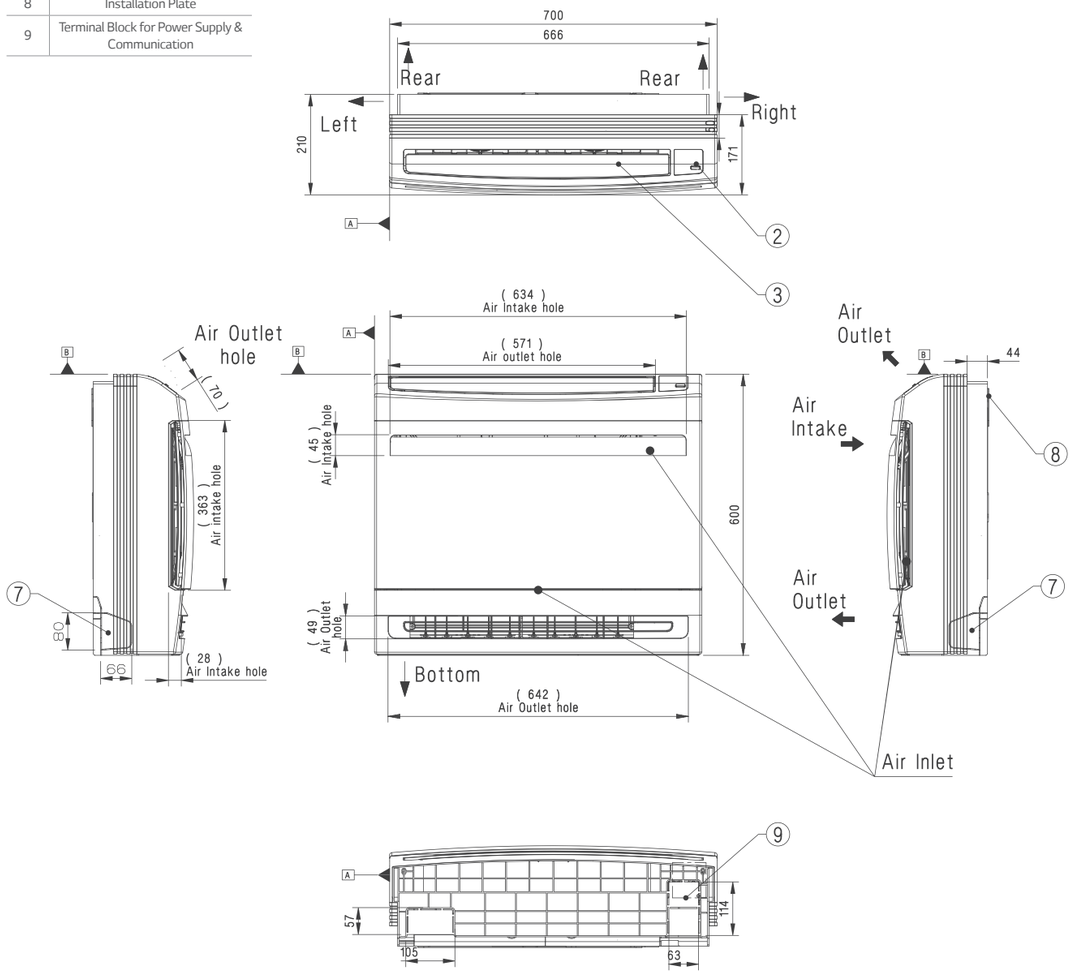
CONSOLE

STANDARD INVERTER (R32)

UQ09 NA0 / UQ12 NA0 / UQ18 NA0

(Unit : mm)

	Part Name
1	Air Suction Grille
2	Remote Controller Signal Reciver
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



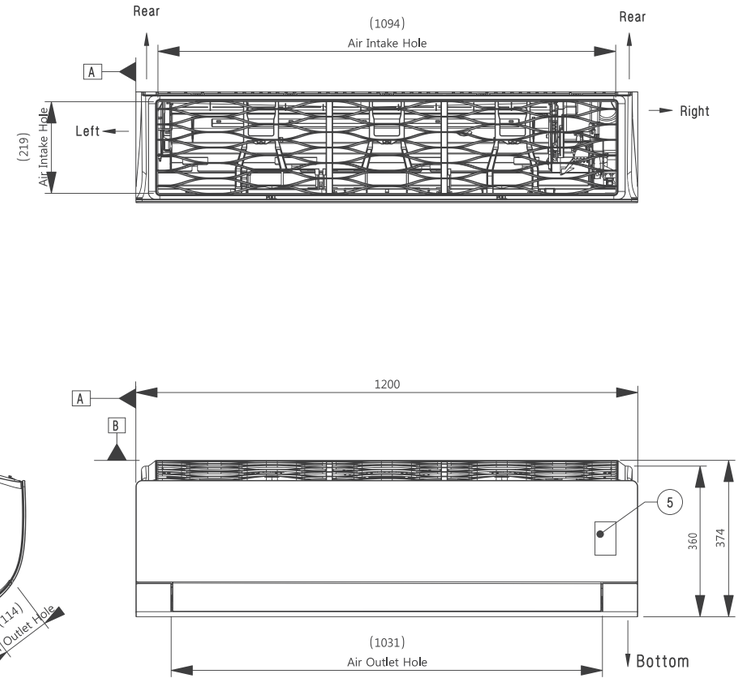
WALL MOUNTED

STANDARD / COMPACT INVERTER (R32)

US30F NR0 / US36F NR0

(Unit : mm)

	Part Name
1	Refrigerant / Drain Pipe and Cabel 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



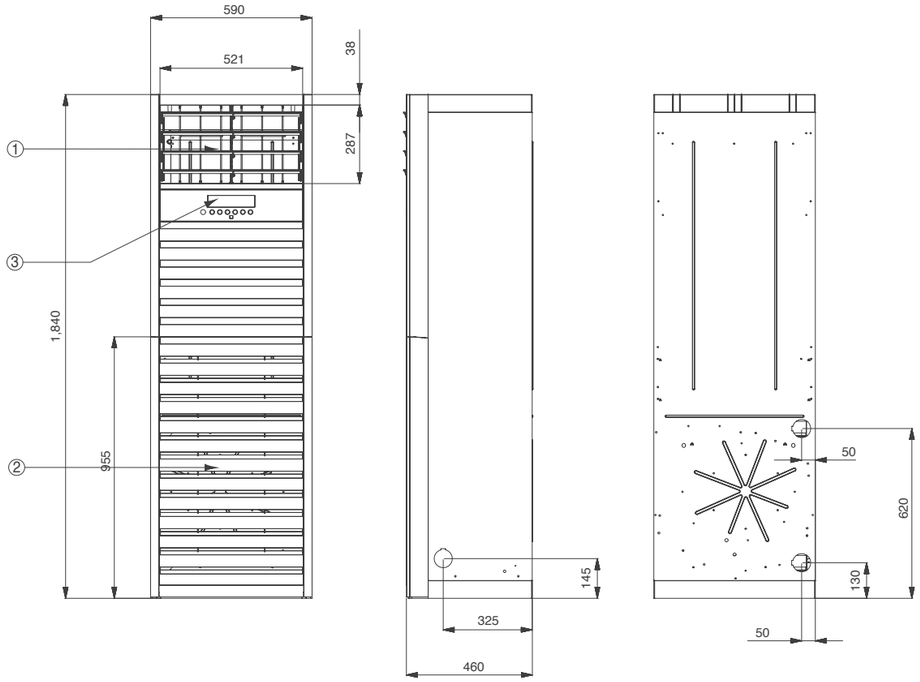
FLOOR STANDING

STANDARD INVERTER (R410A)

UP48 NT2

(Unit : mm)

	Part Name
1	Front air discharge grille
2	Display & Single receiver
3	Air suction grille



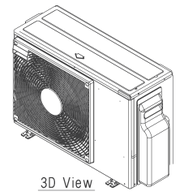
UNIVERSAL OUTDOOR

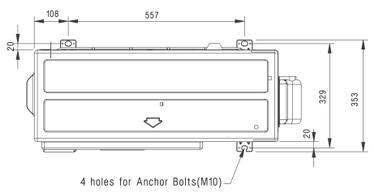
HIGH / STANDARD / COMPACT INVERTER (R32)

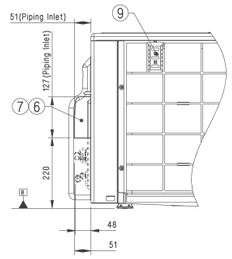
UUA1 UL0

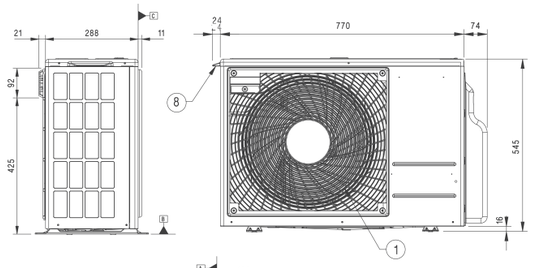
(Unit : mm)

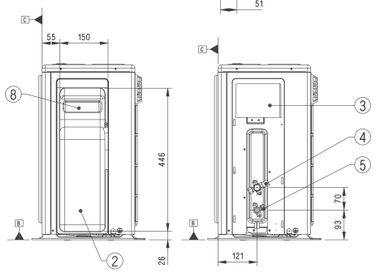
	Part Name
1	Air Outlet
2	Control cover & SVC valve cover
3	Power and communication cable connection
4	Gas pipe connection
5	Liquid pipe connection
6	Power and communication cable routing hole
7	Refrigerant pipe routing hole
8	Handle
9	Intake air temperature sensor cover

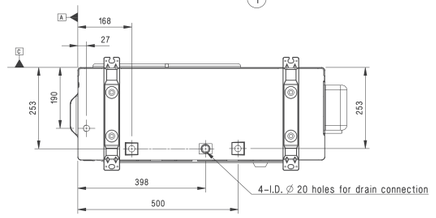












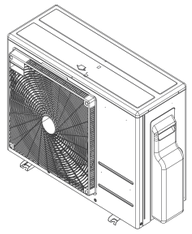
UNIVERSAL OUTDOOR

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

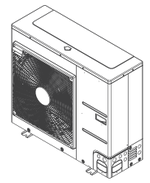
UNIVERSAL OUTDOOR

HIGH / STANDARD / COMPACT INVERTER (R32)

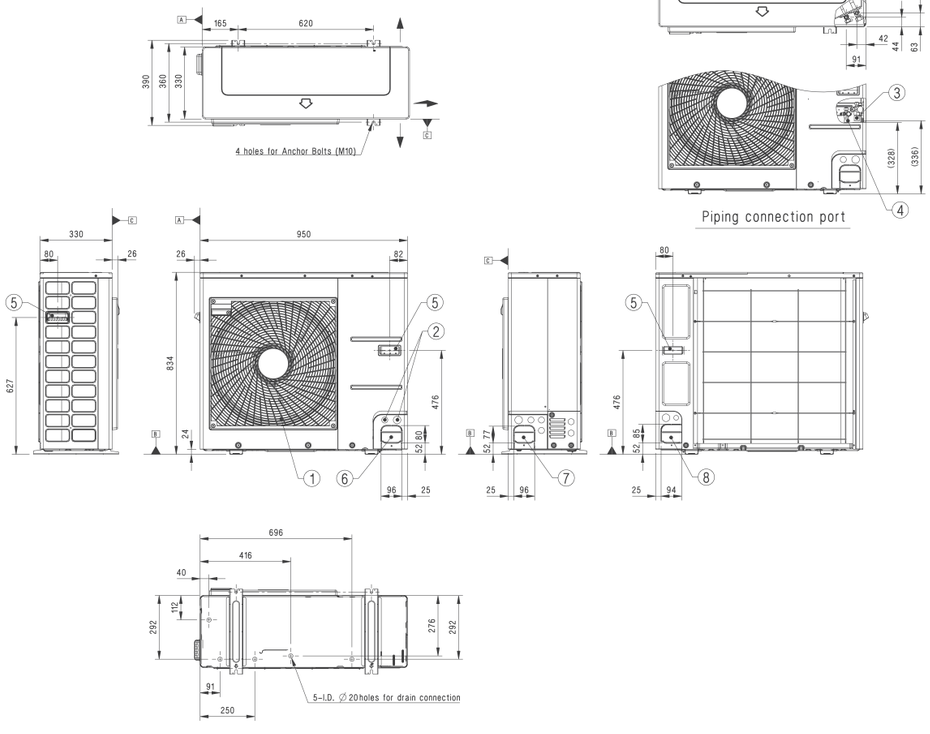
UUC1 U40

(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



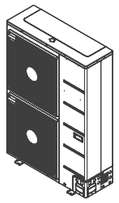
UNIVERSAL OUTDOOR

STANDARD INVERTER (R32)

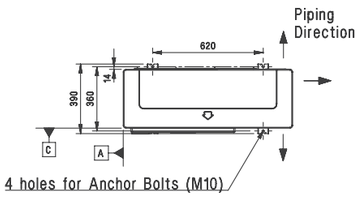
UUD1 U30 / UUD3 U30

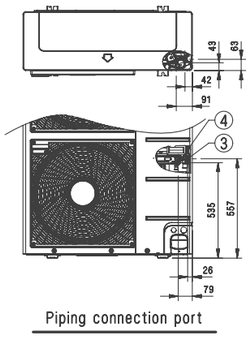
(Unit : mm)

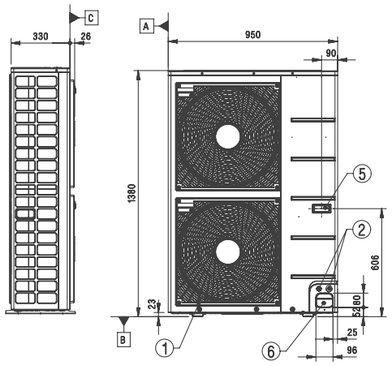
	Part Name
1	Air Outlet
2	Power and communication cable hole
3	Gas pipe connection
4	Liquid pipe connection
5	Handle
6	Pipe routing hole (Front)
7	Pipe routing hole (Side)
8	Pipe routing hole (Back)

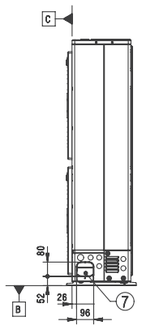


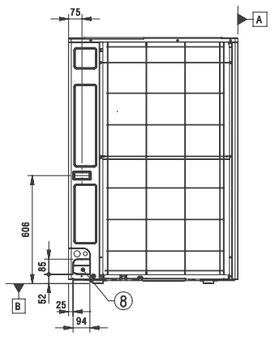
3D View

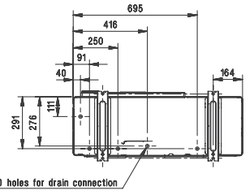












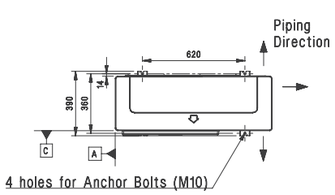
UNIVERSAL OUTDOOR

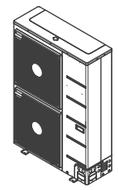
STANDARD INVERTER (R410A)

UU48WR U30 / UU49WR U30

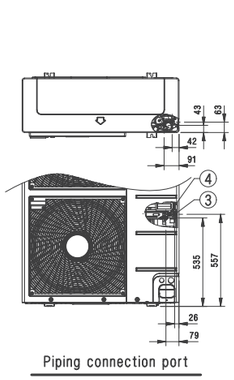
(Unit : mm)

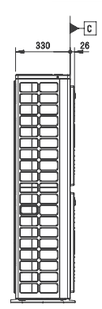
	Part Name
1	Air Outlet
2	Power and communication cable hole
3	Gas Pipe Connection
4	Liquid Pipe Connection
5	Handle
6	Pipe routing hole (front)
7	Pipe routing hole (side)
8	Pipe routing hole (back)

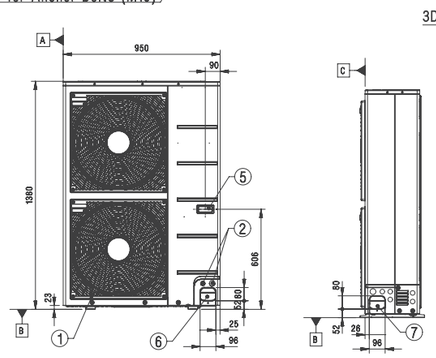


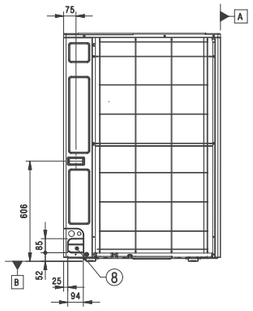


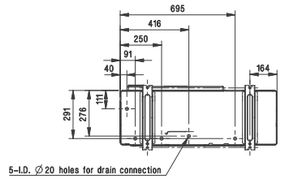
3D View











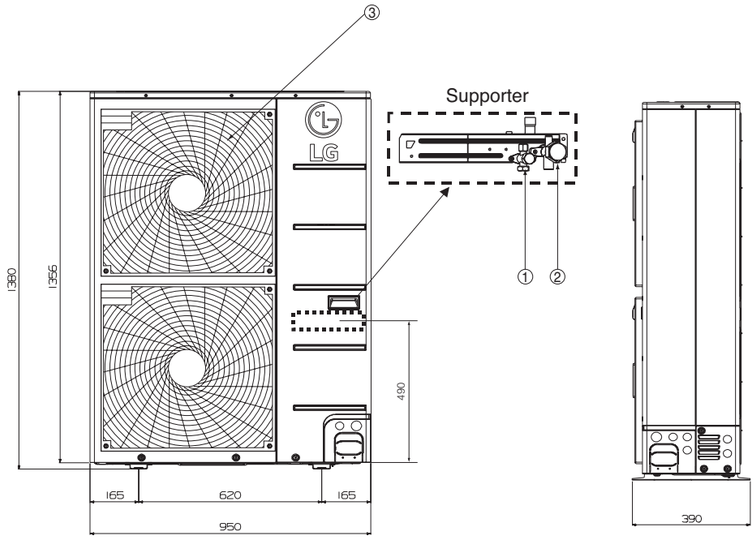
UNIVERSAL OUTDOOR

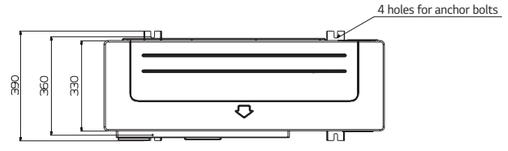
STANDARD INVERTER (R410A)

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