

2020

2020

AIR CONDITIONERS



LG Electronics

<http://www.lg.com>
<http://partner.lge.com>

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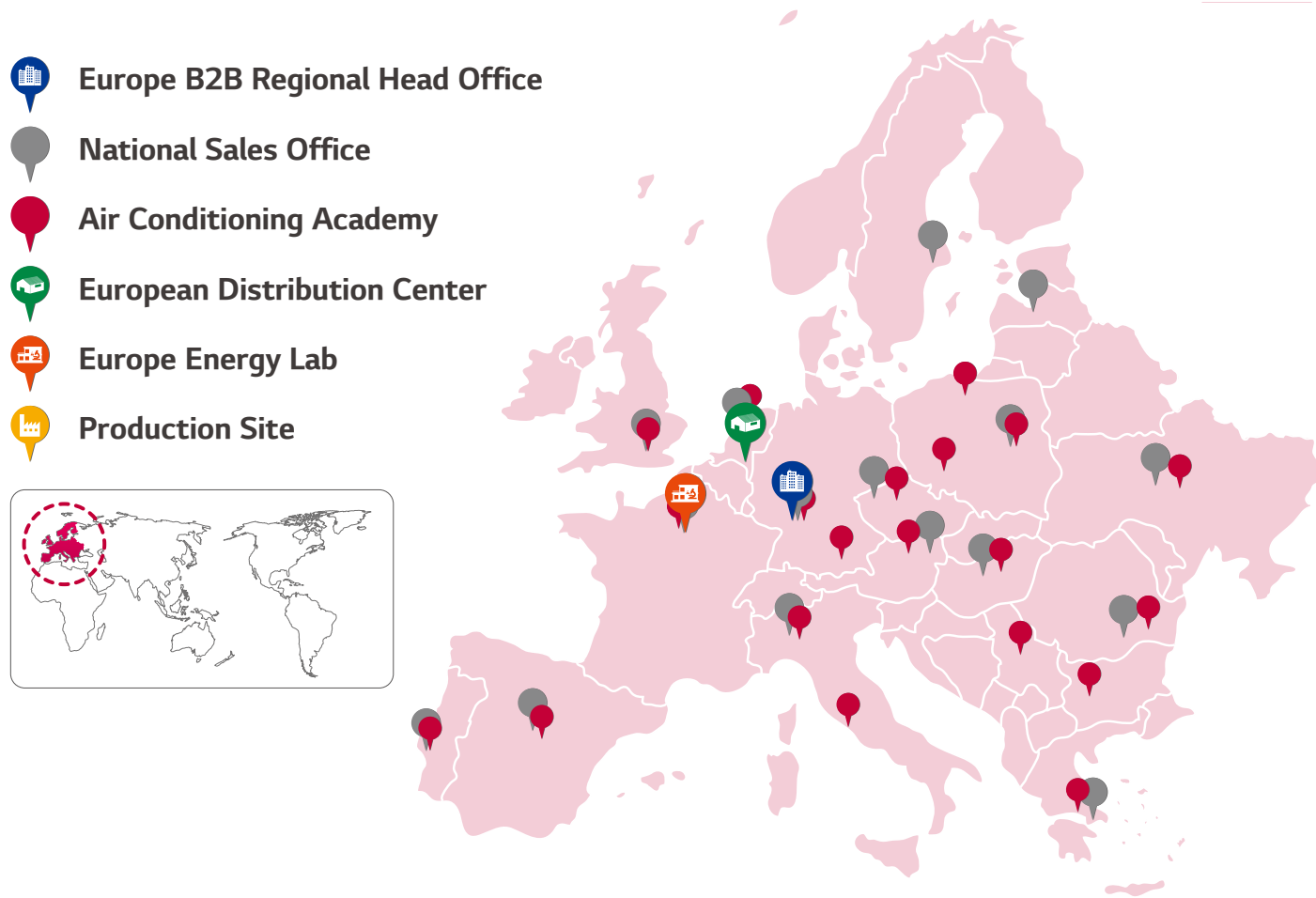


LG HVAC
SOLUTION

AIR CONDITIONERS



EUROPE SALES INFRASTRUCTURE



GLOBAL PRODUCTION SITE



LG Energy Labs in Europe

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



European Air Conditioning Distribution Center

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

TOTAL HVAC SOLUTION PROVIDER

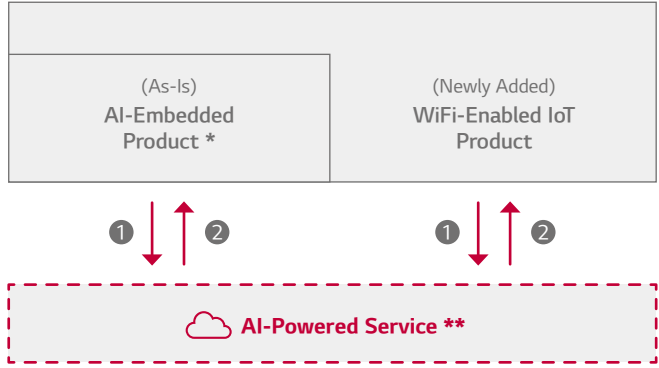
Since manufacturing Korea's first air conditioner exclusively designed for residential use in 1968, LG has been a pioneer of air conditioning innovation. Encouraged by LG's technological leadership in the residential air conditioning sector since the late 1990s, LG moved into the commercial air conditioning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

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

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

Made Better with LG ThinQ™

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



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

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

Consumer Benefits

Intuitive Control

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

Maximum Efficiency

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

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

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.





008 - 133	
RESIDENTIAL	
WALL MOUNTED	016
MULTI SPLIT	072



134 - 249	
COMMERCIAL	
SINGLE SPLIT	138



RESIDENTIAL

WALL MOUNTED

MULTI SPLIT



Anytime, Anywhere!

DUALCOOL ThinQ™

with Voice Control



Key Feature

Enhance your daily life with LG ThinQ

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

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

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

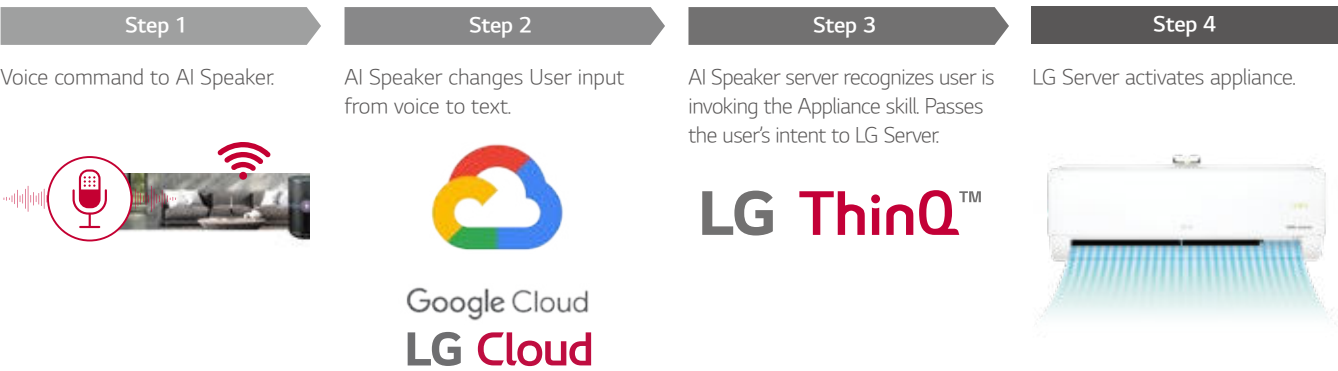
No need to search for the remote control your AC with your phone
"Where's the remote control? I don't want to move a inch from my bed!"

Voice control for a better life

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

Simple voice control, time saving & accessible to everyone

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



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

Don't Worry!
Now, breathe healthily

DUALCOOL

with Air Purification



Cooling + Heating + Air purification



Comfort 365 days

Removes Ultrafine dust with

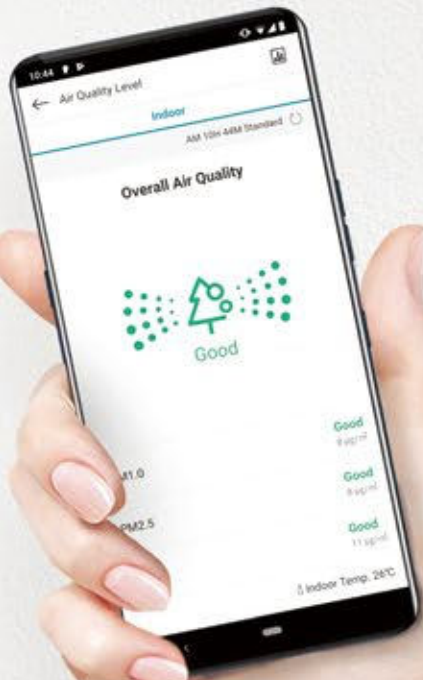


Ion Diffuser &
Micro Dust filtering system

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	Step 2	Step 3	Step 4
PM 1.0 Auto Sensing Detecting indoor dust concentration.	Ion Diffuser 5 million negative ions emitted through the air attach to the microscopic particles.	Filtration System Effective particle capture. (Dust Filter / Micro Dust Filter)	Display - Indoor Air Quality status Display total IAQ. (4 colors) ※ IAQ : Indoor Air Quality

※ 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.

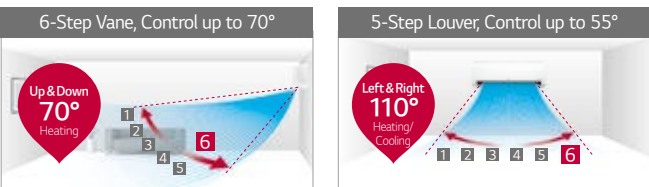
Four seasons of breeze

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



4-Way Swing (Indirect Air Flow)

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



Conveniently manage air quality with the LG ThinQ app

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



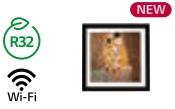
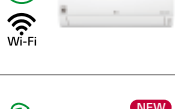
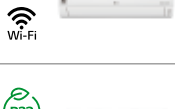
10-Year Inverter Compressor Warranty

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

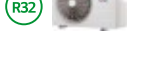
INDOOR UNIT

		○ 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				○ A09FT.NSF ○ A12FT.NSF				
	Mirror			● AM07BP.NSJ	○● AC09BQ.NSJ ○● AC12BQ.NSJ		○● AC18BQ.NSK	○● AC24BQ.NSK	
	Silver				○● AC09SQ.NSJ ○● AC12SQ.NSJ		○● AC18SQ.NSK		
DUALCOOL	Prestige				○ F09MT.NSM ○ F12MT.NSM				
	Air Purification				○● AP09RT.NSJ ○● AP12RT.NSJ				
	Deluxe			● DM07RP.NSJ	○● DC09RQ.NSJ ○● DC12RQ.NSJ		○● DC18RQ.NSK	○● DC24RQ.NSK	
DUALCOOL	Deluxe 2				○● DC09RT.NSJ ○● DC12RT.NSJ				
	Standard Plus		● PM05SP.NSJ	● PM07SP.NSJ	○● PC09SQ.NSJ ○● PC12SQ.NSJ	● PM15SP.NSJ	○● PC18SQ.NSK	○● PC24SQ.NSK	
	Standard 2				○● S09ET.NSJ ○● S12ET.NSJ		○● S18ET.NSK	○● S24ET.NSK	
	Standard				○ S09EQ.NSJ ○ S12EQ.NSJ		○ S18EQ.NSK	○ S24EQ.NSK	
	Standard 3				○ S09ES.NSA ○ S12ES.NSJ				

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

LINE-UP

OUTDOOR UNIT

		○ Single Split Only ○● Compatible ● Multi Split Only									
MODEL	KBTU	9	12	14	16	18	21	24	27	30	
	KW	2.6	3.5	4.1	4.7	5.3	6.2	7.0	7.9	8.8	
ARTCOOL	Gallery		○ A09FT.U2 ○ A12FT.U2								
	Mirror		○ AC09BQ.UA3 ○ AC12BQ.UA3			○ AC18BQ.U2		○ AC24BQ.U24			
	Silver		○ AC09BQ.UA3 ○ AC12BQ.UA3			○ AC18BQ.U2					
DUALCOOL	Prestige		○ F09MT.U24 ○ F12MT.U24								
	Air Purification		○ AP09RT.UA3 ○ AP12RT.UA3								
	Deluxe		○ DC09RQ.U2 ○ DC12RQ.U2			○ DC18RQ.U2		○ DC24RQ.U24			
DUALCOOL	Deluxe 2		○ DC09RT.UA3 ○ DC12RT.UA3								
	Standard Plus		○ PC09SQ.UA3 ○ PC12SQ.UA3			○ PC18SQ.U2		○ PC24SQ.U24			
	Standard 2		○ S09ET.UA3 ○ S12ET.UA3			○ S18ET.U2		○ S24ET.U24			
DUALCOOL	Standard		○ S09EQ.UA3 ○ S12EQ.UA3			○ S18EQ.U2		○ S24EQ.U24			
	Standard 3		○ S09ES.UA3 ○ S12ES.UA3								

WALL MOUNTED

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



ARTCOOL SERIES



ARTCOOL Gallery DUAL Inverter

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



ARTCOOL Silver DUAL Inverter



ARTCOOL Mirror DUAL Inverter

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

DUALCOOL SERIES



PRESTIGE DUAL Inverter

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



DUALCOOL WITH AIR PURIFICATION

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



DELUXE DUAL Inverter

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



STANDARD PLUS DUAL Inverter

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



STANDARD DUAL Inverter

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

FEATURE OVERVIEW

INVERTER COMPRESSOR 10 YEAR WARRANTY						CORE TECH	SMART		ENERGY EFFICIENCY		
						Dual Inverter Compressor	Voic Control	Embedded Wi-Fi	Smart Diagnosis	Active Energy Control	Energy Display
				Cooling	Heating						
ARTCOOL	Gallery	NEW	9k	12k							
	Mirror		9k	12k	18k	24k					
			Only for Multi 7K ⁽⁴⁾								
	Silver		9k	12k	18k						
DUALCOOL	Prestige	NEW	9k	12k							
	Air Purification	NEW	9k	12k							
	Deluxe		9k	12k	18k	24k					
			Only for Multi 7K ⁽⁴⁾								
	Deluxe 2	NEW	9k	12k							
			Only for Multi 7K ⁽⁴⁾								
	Standard Plus		9k	12k	18k	24k					
			Only for Multi 5k 7K 15K ⁽⁴⁾								
	Standard 2	NEW	9k	12k	18k	24k					
			Only for Multi 7K ⁽⁴⁾								
	Standard		9k	12k	18k	24k					
	Standard 3	NEW	9k	12k							

UNIQUE FEATURES

Smart

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

Fast Cooling & Heating

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

Quick & Easy Installation

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

Energy Efficiency

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

Extreme Durability

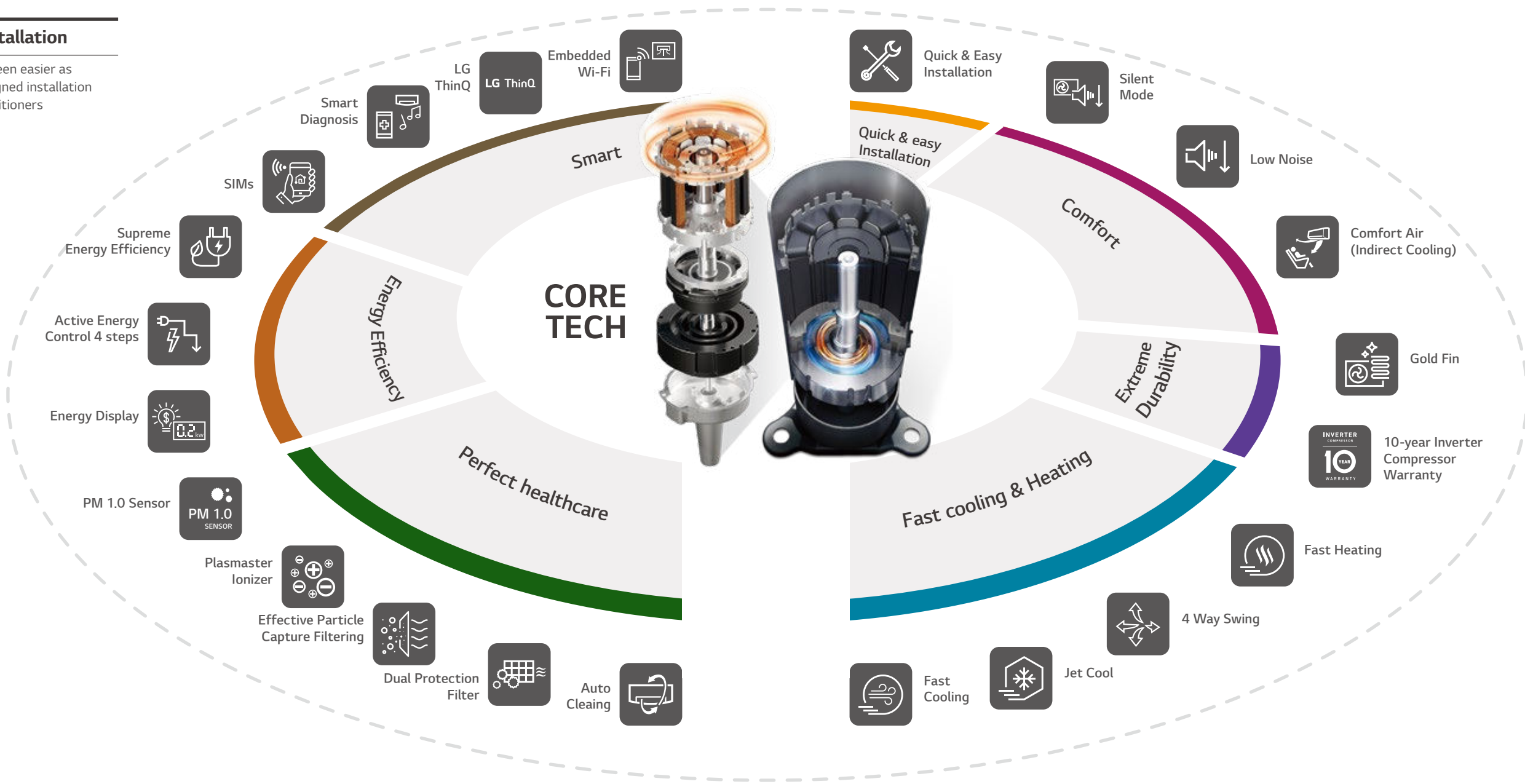
In any environmental conditions, LG's air conditioners can bring customers peace of mind through product durability.

Perfect healthcare

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

Comfort

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



CORE TECH

Dual Inverter Compressor

• What is the Dual Inverter Compressor?

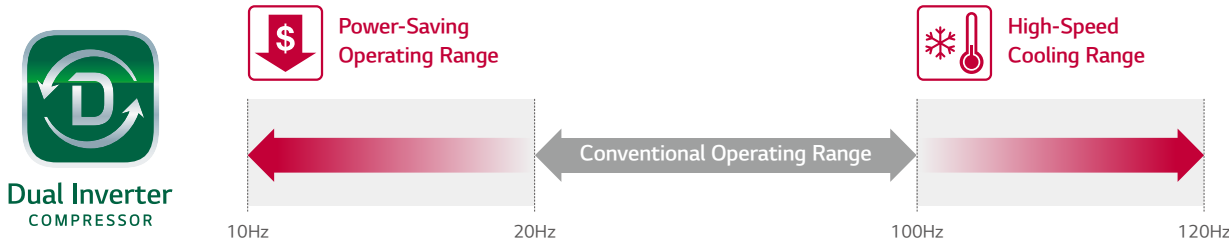
A compressor is the heart of an air conditioner, and monitoring whether it works properly, effectively, or noisily that can cause stress as well as cost more money. LG's Dual Inverter Compressor provides an effective solution, resulting in an air conditioner that cools faster, lasts longer, and operates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



• How it Works

Varied-Speed Dual Rotary

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



• 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.

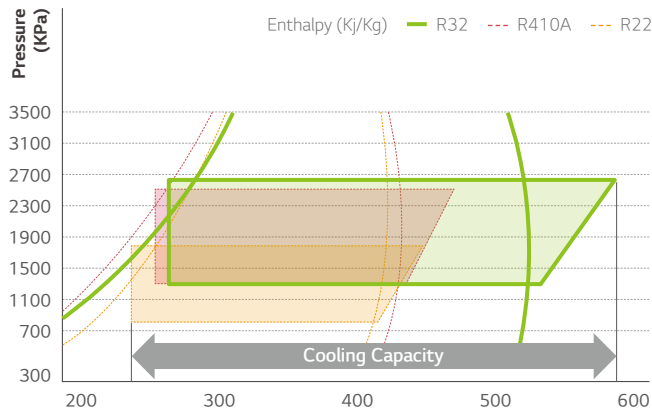
Alleviate Global Warming & Ozone Layer Destruction

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

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

High Compressibility

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



• Benefit

Eco-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



LG ThinQ

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



• How it Works

Embedded Wi-Fi modem

Enable "LG ThinQ" on your air conditioner.

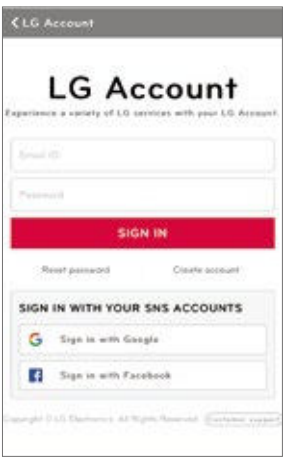


By using the embedded Wi-Fi modem, get ready for innovation without boundaries.



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



* Can be controlled by multiple users, but not simultaneously

Multi-Control



SMART

• Benefit

Simple operation for various functions

On/Off, Current Temp



Mode, Set Temp



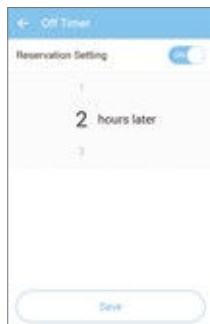
Vane Control



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.

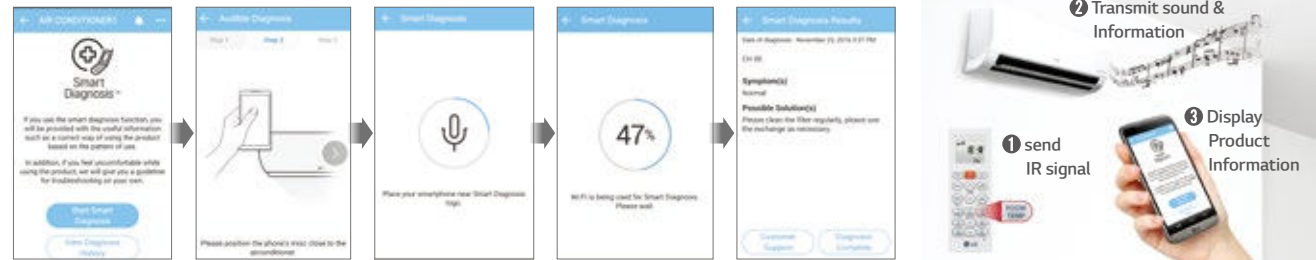
* Builds upon widespread smartphone use and offers greater USP diversification
* Perfect for consumers who are unable to view information about their air conditioner via a display or remote control.

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

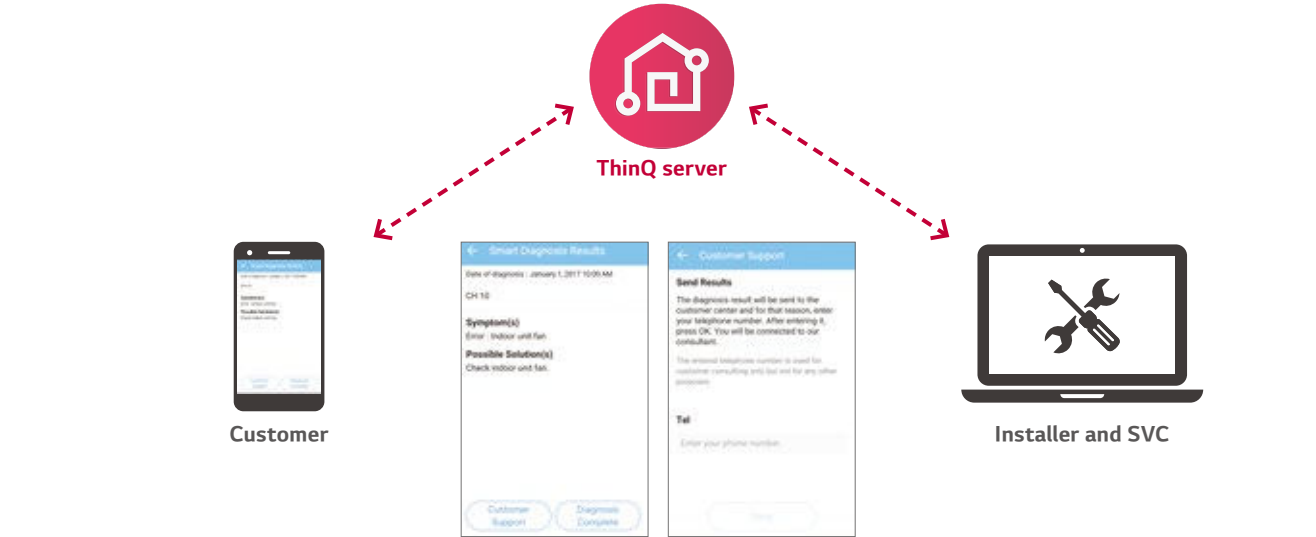
Benefit

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

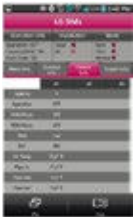


- SIMS App**
1. Use a SIMs chip to connect a smartphone to an air conditioner.
 2. Monitor and diagnose problems in real time using the SIMs app.

• Benefit

Easy Monitoring
Diagnose problems anytime, anywhere with a SIMs chip.

Easy Diagnosis & Quick Response
Easily monitor IDU/ODU and diagnose problems.
Save and review diagnostic data.

	Main Current outdoor temperature Indoor temperature Inverter Comp frequency Operating opening Error code / Frequency limits Indoor. Outdoor fan speed		Indoor Unit Indoor Unit Capacity / Operation Mode THM mode / REM mode FAN operating condition / EEV opening Room Temperature / Suction Temperature Intermediate Temperature Exit Temperature
	Outdoor Unit Frequency / Fan RPM DC Link / Input Current Input Voltage EEV operation mode Restart timer Compressor mode / EEV opening		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.

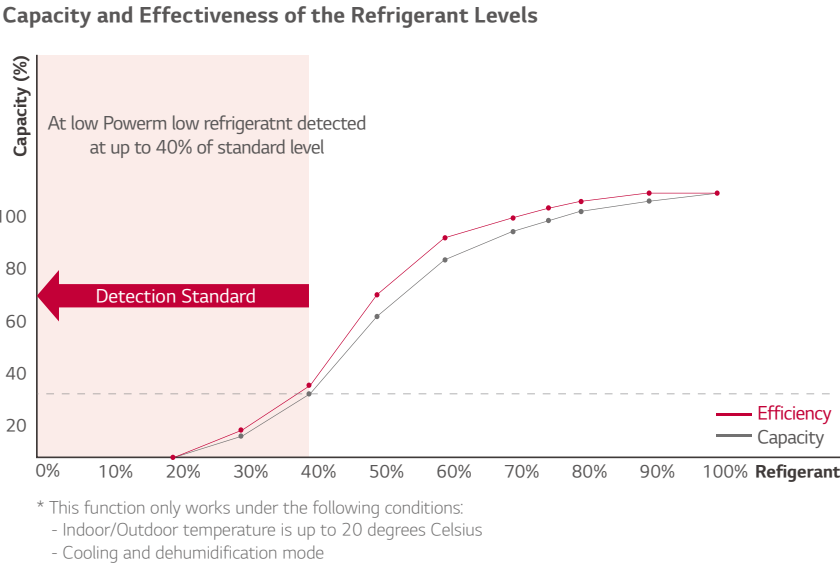
* Specifications may vary for each model.
* Depending on the experimental conditions.
* When connected to Multi ODU, Low Refrigerant Detection function may not be supported.

• How It Works

Early Detection of Low Refrigerant Levels
The Air Conditioner is automatically shut down when low refrigerant level is detected.

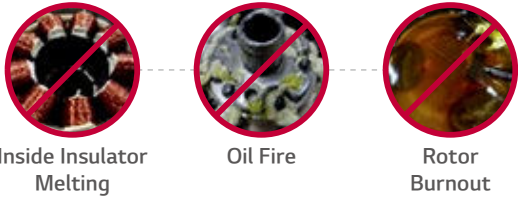
- 3 Checkpoints for Low Refrigerant Level :**
- 1) The heat exchanger temperature is comparatively cool
 - 2) The outdoor unit is working properly
 - 3) The energy consumption is working under a standard pattern

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.



• 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

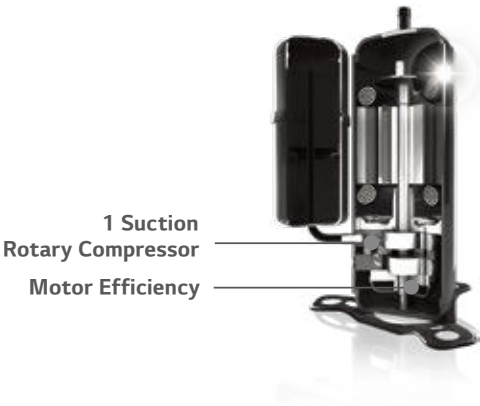
LG's revolutionary Inverter technology boasts powerful yet quiet performance while minimising energy consumption. With world-class energy efficiency, enjoy comfort as well as energy savings.

* 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.



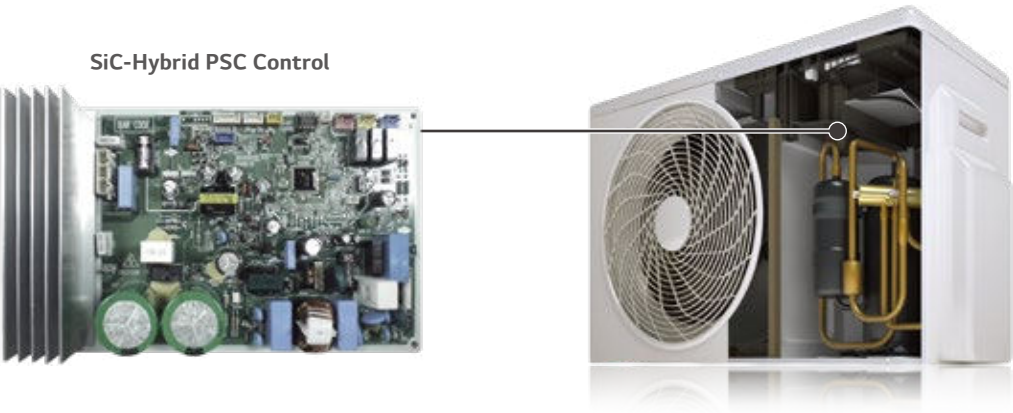
Bi-Stable Reversing Valve

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

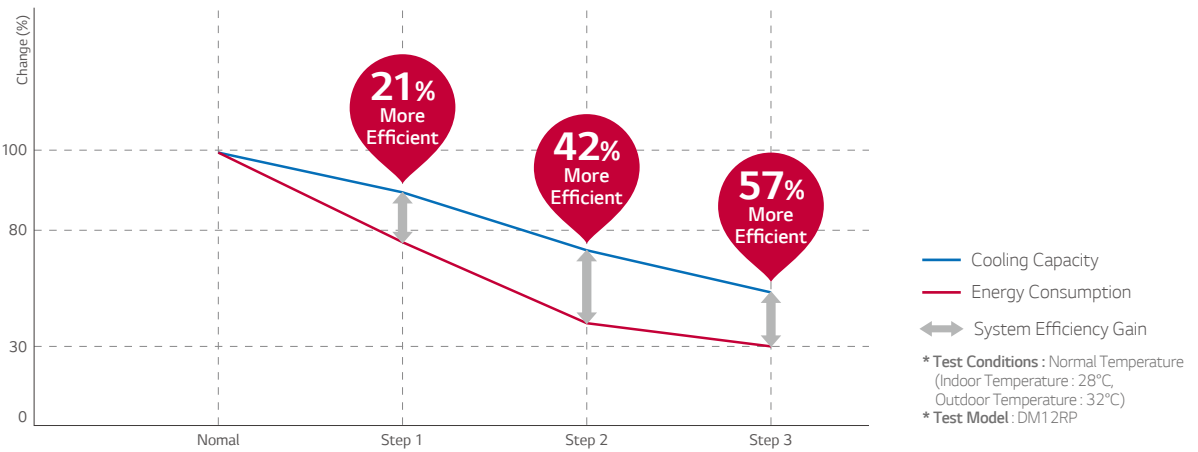
Active Energy Control 4 - Step

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

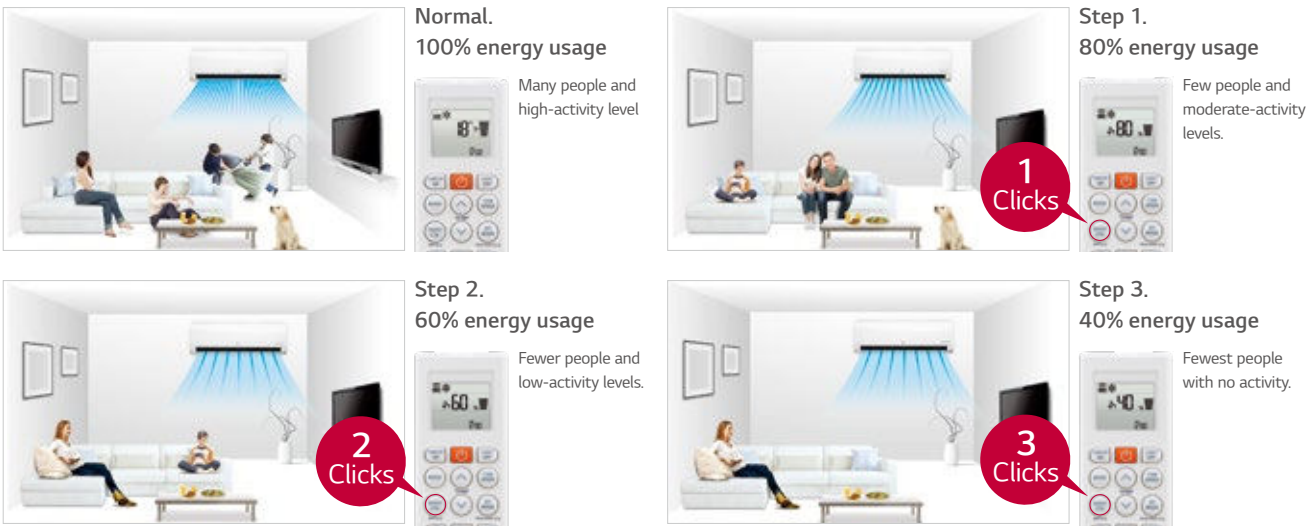
* Specifications may vary for each model.
* Depending on the experimental conditions.
* When connected to Multi ODU, Active Energy Control function may not be supported.

• 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



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}

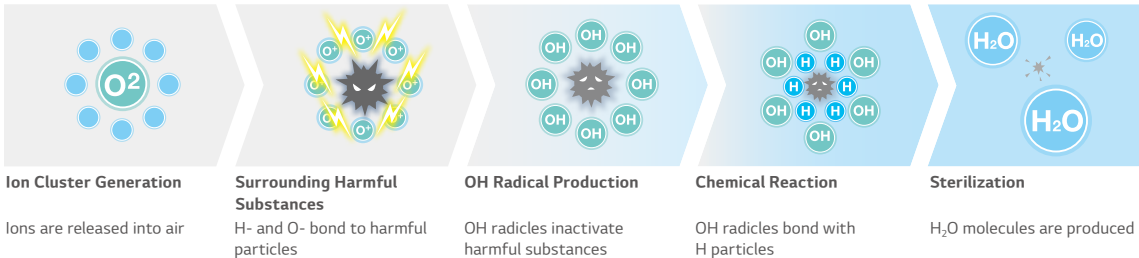
The powerful Plasmaster Ionizer protects you from bad odors and Escherichia coli and Staphylococcus in the surface with over 3 million ions to sterilize to make a safer, and cleaner environment.

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

• How It Works

Sterilization and Deodorization (Utilizes Over 3 Million Ions)

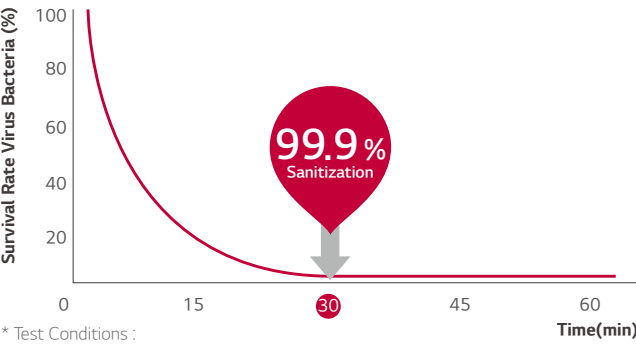
Plasmaster Ionizer+ reduces E.coli and Staphylococcus in the surface with over 3 million ions.



• 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

2.1 odor strength decrease in 60 minutes

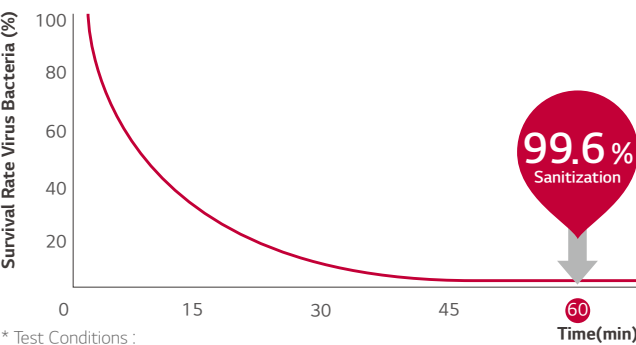
An odor of measured as 2 European odor units (ouE/m³) or less indicates that the level of odor falls within permissible limits.

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

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 : Staphylococcus Aureus
Tested by Intertek

PERFECT HEALTHCARE

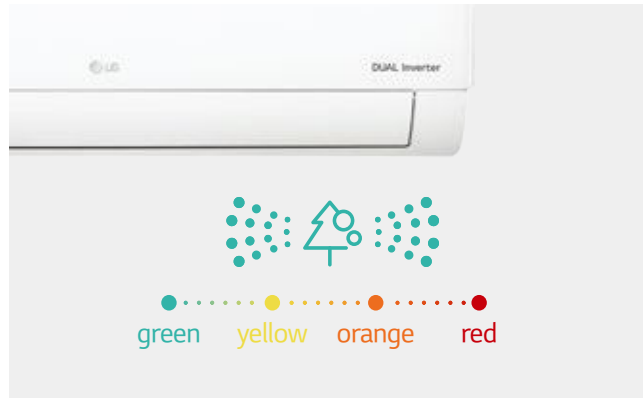
PM 1.0

SENSOR

PM 1.0 Auto Sensor

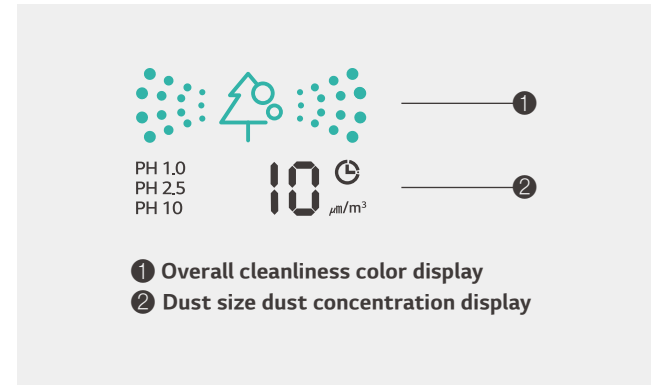
As AC turns on, PM 1.0 sensor automatically operates to capture and remove microscopic dust particles including ultra fine dust.

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



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

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



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

- Guide to dust particles' size
- Fine dust : Dust with particle size of $10\mu\text{m}$ or less (Generated from workplace combustion, vehicle exhaust, etc.)
 - Ultra fine dust : Dust with particle size of $2.5\mu\text{m}$ or less (Composed of ion component, carbon compound, and metal compound)
 - Super Ultrafine dust* : Dust with particle size of $1.0\mu\text{m}$ or less (Cigarette smoke, etc.)

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

* Minimum capturing size of particle : $0.02\mu\text{m}$
※ 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 $10\mu\text{m}$ 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

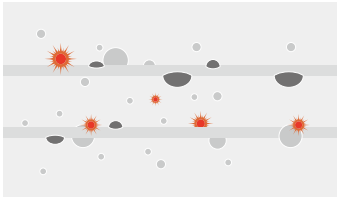
The main cause of odor within air conditioners is mold and bacteria growing on the heat exchanger. These germs can spread when the heat exchanger is wet.



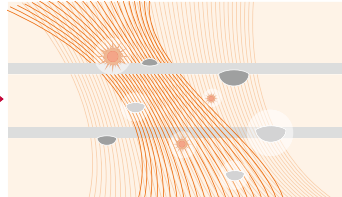
• How It Works

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 dehumidifying and ionizing), the auto cleaning function prevents potentially harmful substances from forming on the surface of the heat exchanger.



The indoor environment remains odorless with the advanced deodorizing function.



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

• Benefit

Removes Harmful Particles

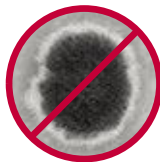
Auto Cleaning provides clean air by preventing bacteria, mold and odors that can otherwise accumulate in an indoor unit.



Bacteria Prevention



Odor Elimination



Mold Elimination

FAST COOLING & HEATING

Fast Cooling

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

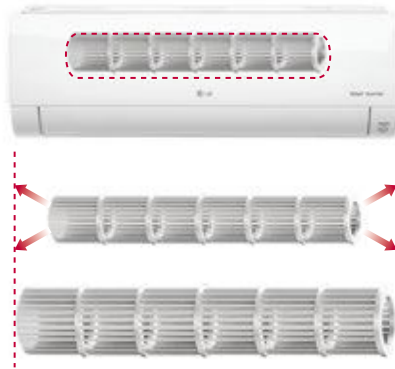
* Specifications may vary for each model.

* Depending on the experimental conditions.

• How It Works

Bigger Skew Fan

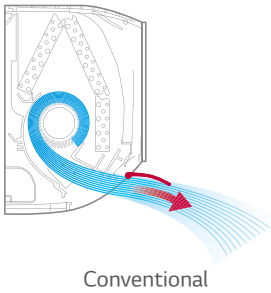
A 25% larger skew fan emanates highly powerful blasts of air.



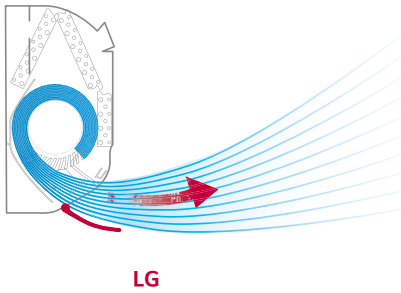
25%
Larger
(Fan Size)

Cooling Outlet

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



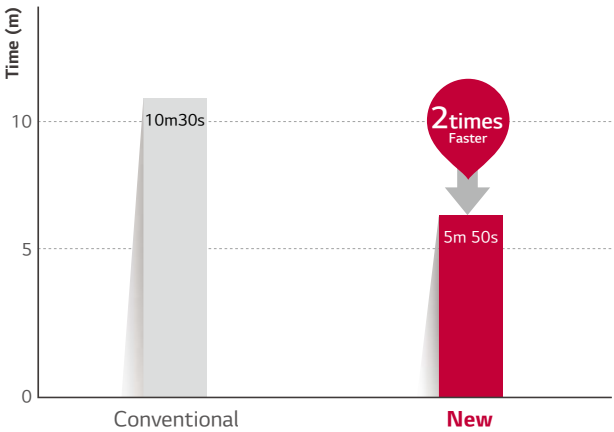
Conventional



LG

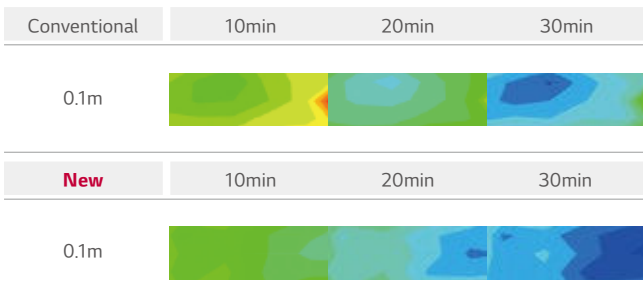
• Test Result

Test Result



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

Changes in Temperature Over 30 Minutes



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

FAST COOLING & HEATING

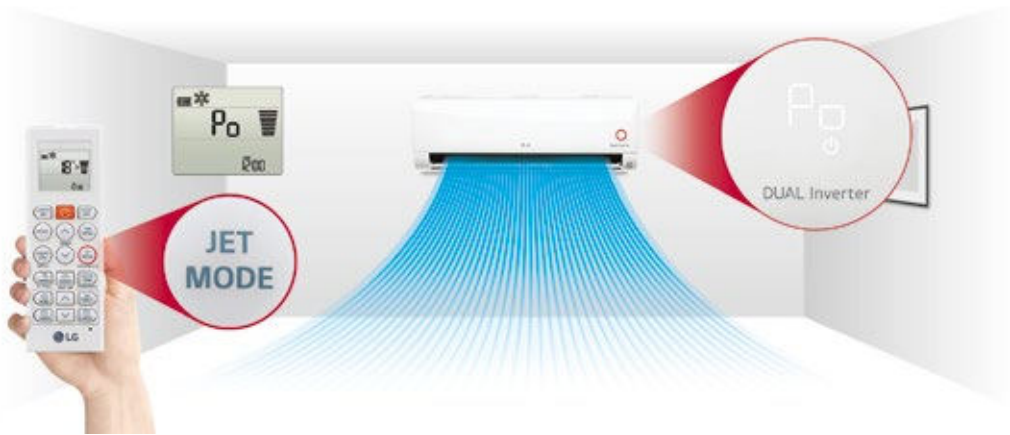
Jet Cool

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

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

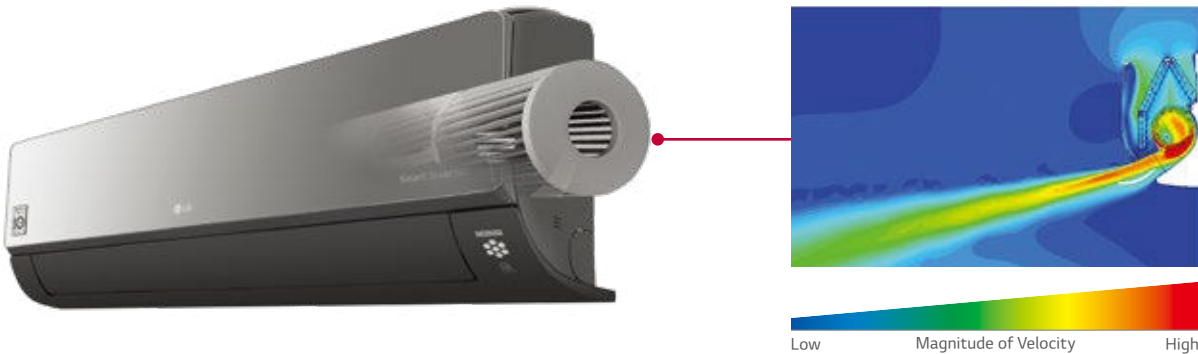
• How It Works

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



• More Powerful Performance

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



FAST COOLING & HEATING

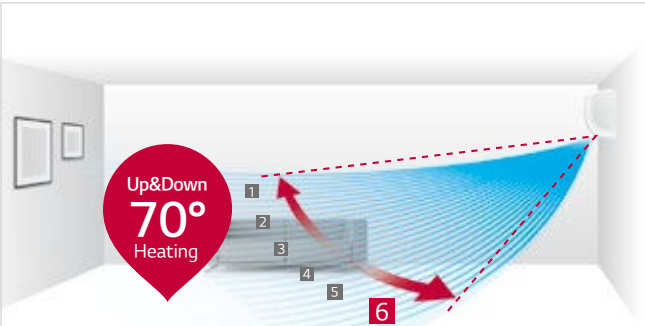
4-Way Swing

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

* Specifications may vary for each model.

• How It Works

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



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

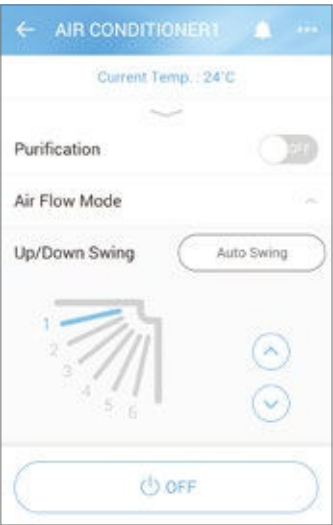
5-Step Louver, Control up to 55°
The louver, which sways left and right, has 5 different settings including full auto-swing.



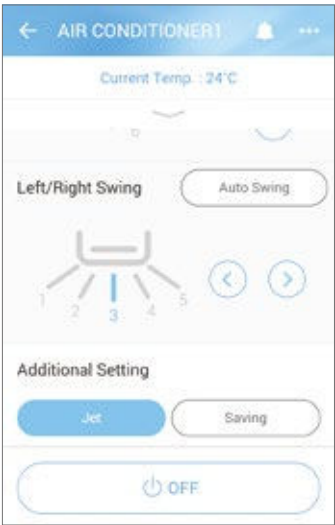
• Easy and Simple Control

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

Up/Down Swing



Left/Right Swing



FAST COOLING & HEATING

Fast Heating

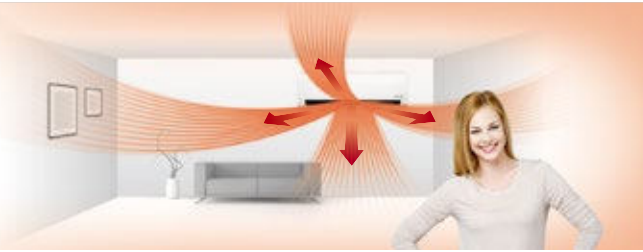
LG Residential Air Conditioners satisfy your heating needs while consuming less energy, by heating a wider space in a shorter period of time to create a warm and comfortable living environment.

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

• How It Works

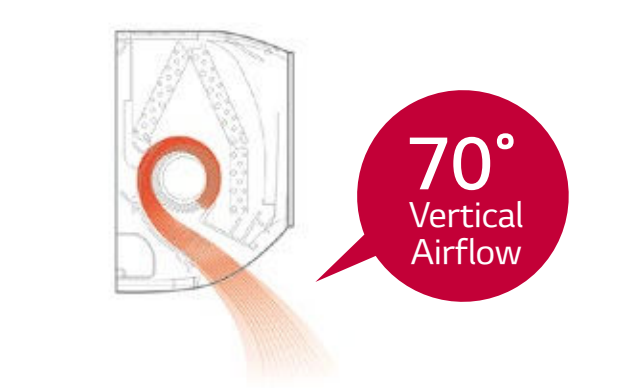
4 way Auto Swing (Easy Airflow Control)

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



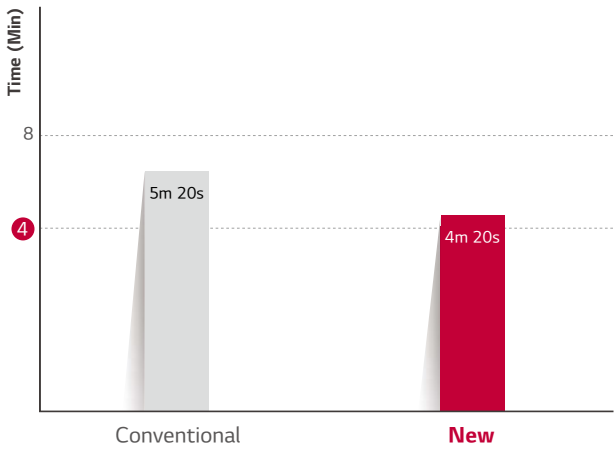
Vertical Airflow

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



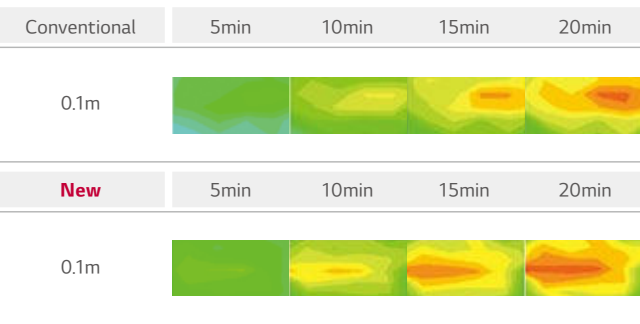
• Benefit & Test Result

22% Quick Heating



* 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

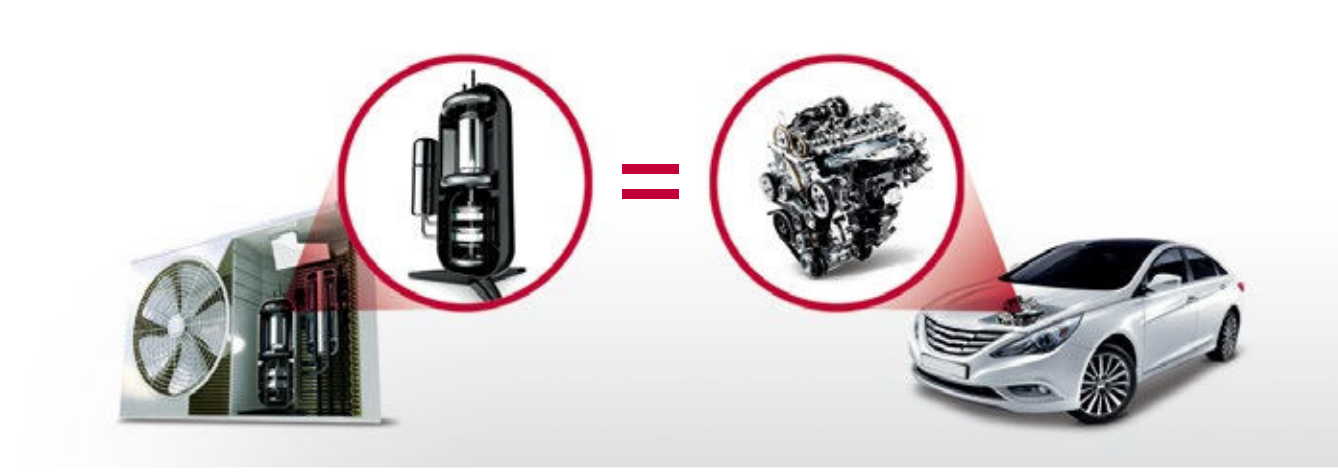
10-Year Inverter Compressor Warranty

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



EXTREME DURABILITY

Gold Fin™

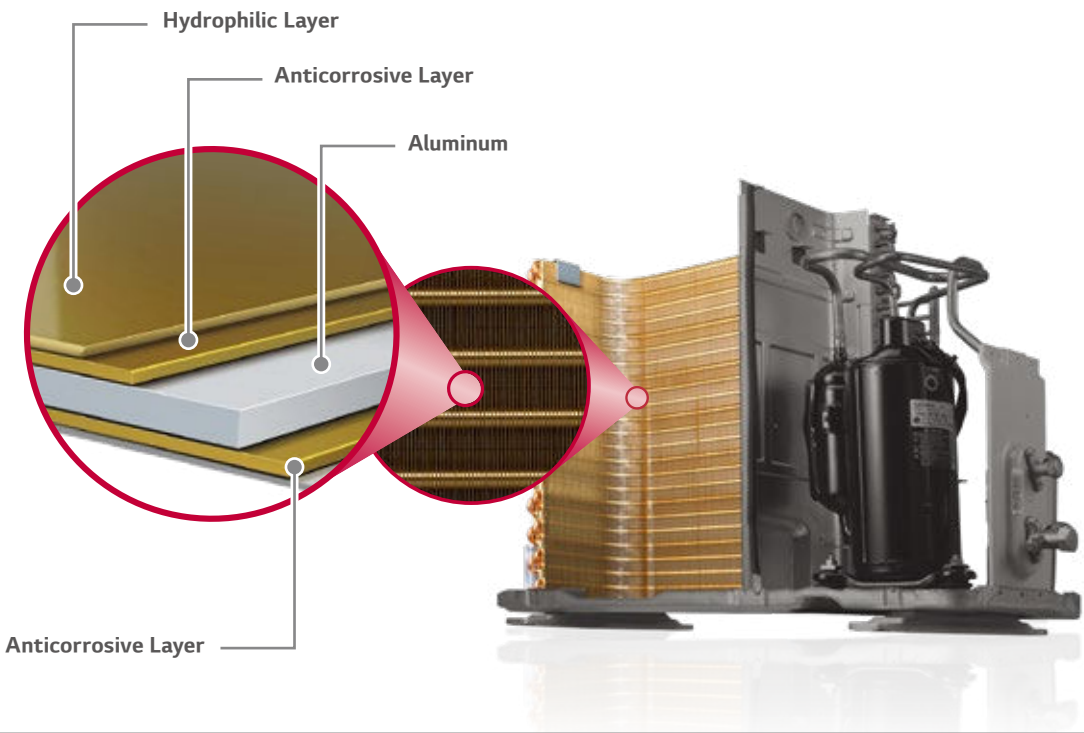
The Gold Fin™ coating protects the surface of the heat exchanger from unnecessary wear and corrosion.

* 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



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

Gold Fin™



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.

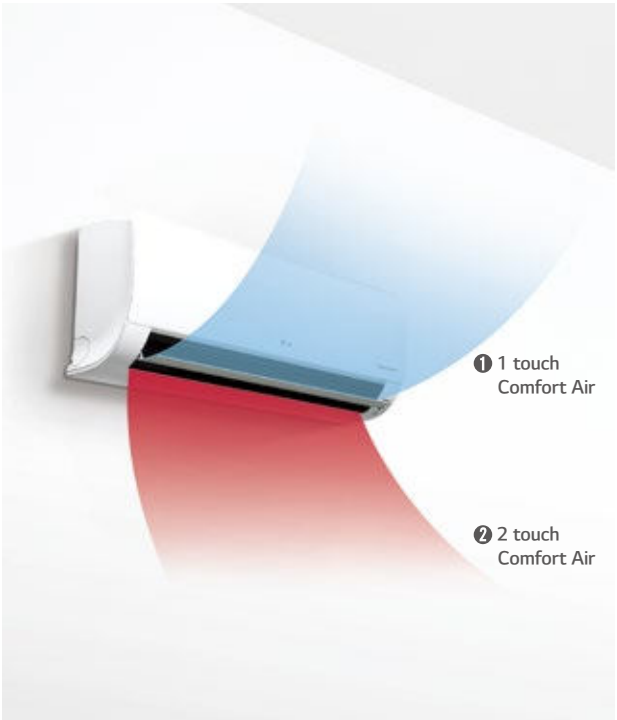
• How It Works

Control Panel



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 Controller 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

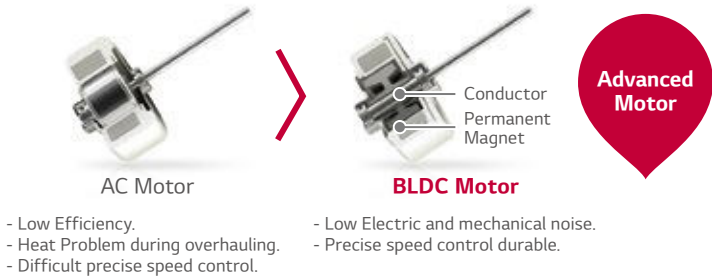
LG's Unique Skew Fan

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.



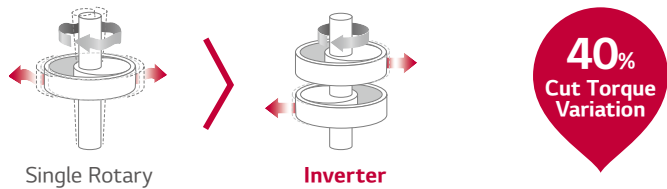
BLDC Fan Motor

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.

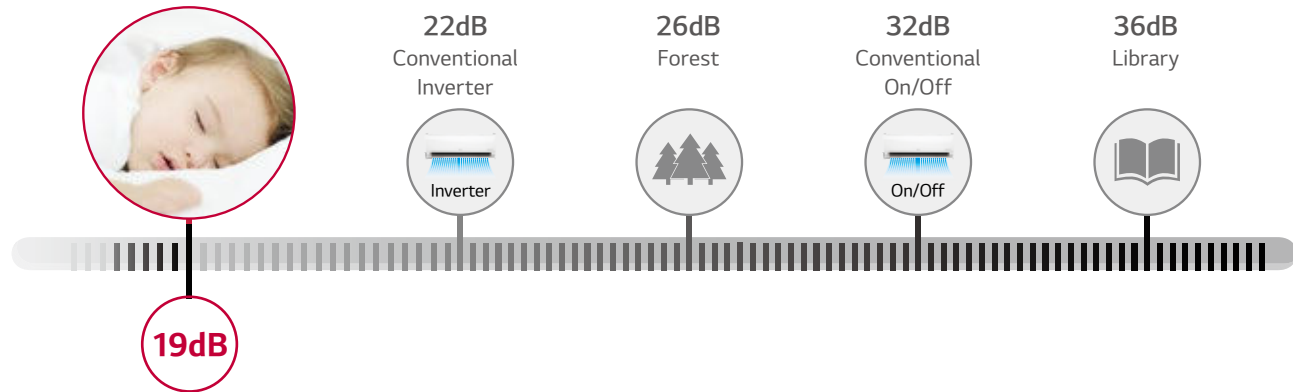


ALVC (Active Low Vibration Control)

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.



• Benefit



COMFORT

Silent Mode

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

* Specifications may vary for each model.

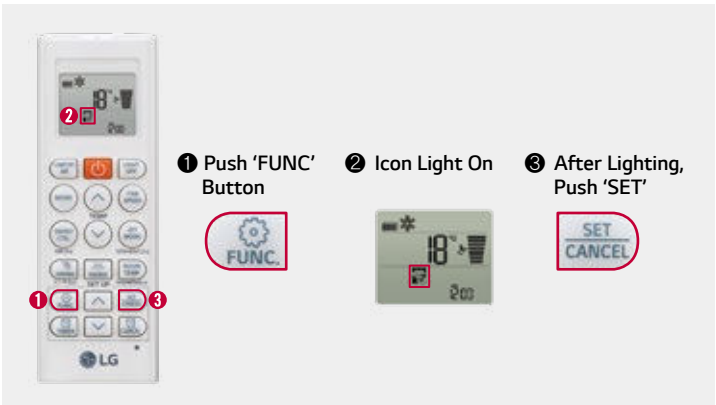
* Depending on the experimental conditions.

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

• How It Works

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

Press the Silent Button

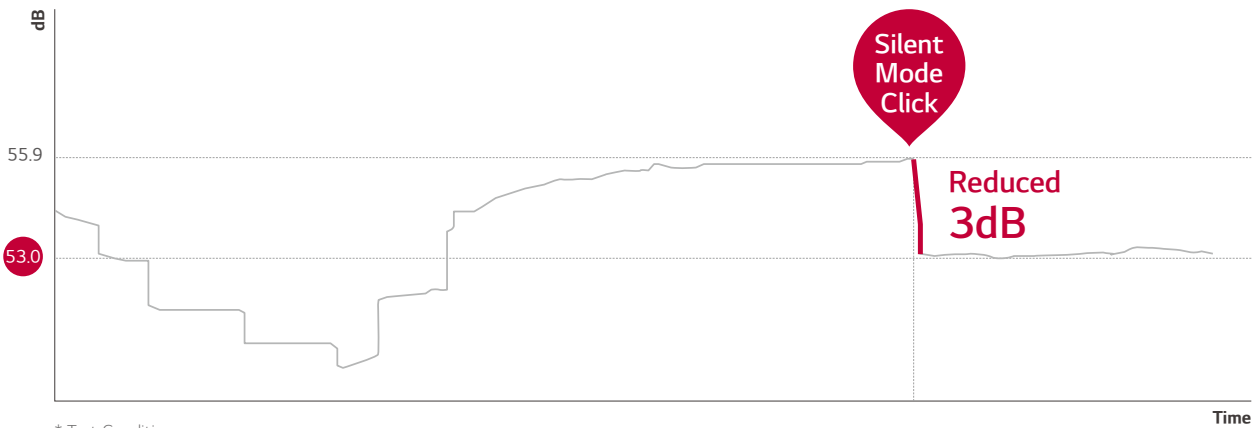


Controls the Outdoor Compressor



• Test Result

Noise Comparison Graph



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

COMFORT



Quick & Easy Installation

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

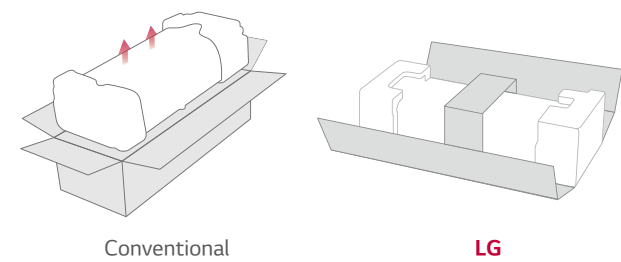
* Specifications may vary for each model.

• Concept

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

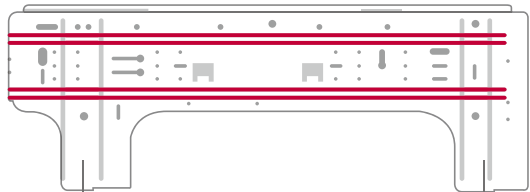
• How It Works

One Simple Packing Box



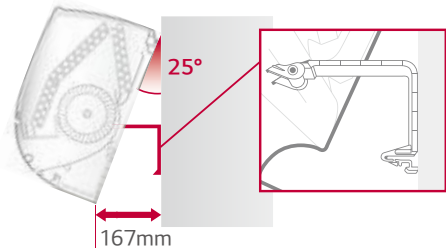
Installation Plate Improvement

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



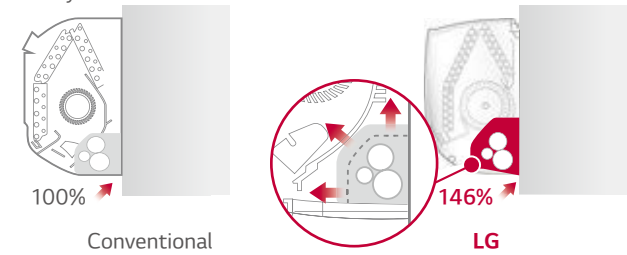
Installation Support Clip

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



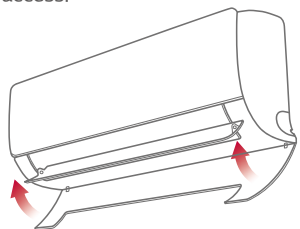
Wider Tubing Space

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



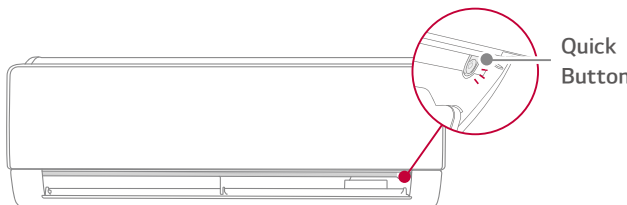
Detachable Bottom Cover

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



Quick button for running test

The test button is conveniently located and easy to find.



ARTCOOL GALLERY

NEW



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



Embedded Wi-Fi



Auto Cleaning



Jet Cool



3 Way Swing



Fast Heating



Gold Fin™



• Single Combination

UNIT				9K	12K
INDOOR				A09FT NSF	A12FT NSF
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4040
	Heating	Min / Rated / Max	W	890 / 3300 / 4100	890 / 4000 / 5100
	Heating -7°C	Rated	W	3200	3500
Power Input	Cooling	Rated	W	658	1050
	Heating	Rated	W	831	1108
EER			W / W	3.8	3.33
S.E.E.R.				6.8	6.6
P design C			kW	2.5	3.5
COP			W / W	3.97	3.61
S.C.O.P. (Average / Warmer)				4.0 / 4.6	4.0 / 4.6
P design H (Average / Warmer)			kW	2.7 / 1.5	2.7 / 1.5
Energy Label	Cooling			A++	A++
(A+++ to D Scale)	Heating (Average / Warmer)			A+ / A++	A+ / A++
Annual Energy Consumption	Cooling		kWh	129	186
	Heating (Average / Warmer)		kWh	945 / 457	945 / 457
Sound Pressure	Cooling	S / L / M / H	dBA	27 / 35 / 39 / 45	27 / 35 / 39 / 45
Sound Power	Heating	L / M / H	dBA	35 / 39 / 45	35 / 39 / 45
	Cooling	Power	dBA	60	60
Air Flow Rate	Cooling	S / L / M / H	m³ / min	- / 6.0 / 7.6 / 9.0	- / 6.0 / 7.6 / 9.0
	Heating	Max (Power)	m³ / min	10.0	10.0
		L / M / H	m³ / min	6.1 / 7.8 / 9.3	6.1 / 7.8 / 9.3
Dehumidification Rate			l/h	1.1	1.3
		Rated	A	3.2	4.9
Running Current	Cooling	Max	A	6.0	6.0
	Heating	Rated	A	4.1	5.1
		Max	A	7.0	7.0
Starting Current	Cooling / Heating	Rated	A	3.2 / 4.1	4.9 / 5.1
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15
Power Supply Cable			N x mm²	3 x 1.0	3 x 1.0
Power & Transmission Cable			N x mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	600 x 600 x 146	600 x 600 x 146
Net Weight			kg	14.4	14.4
Fan Motor Output			W	16.7	16.7
OUTDOOR				A09FT UL2	A12FT UL2
Operation Range	Cooling	Min / Max	°CDB	-10 / 48	-10 / 48
	Heating	Min / Max	°CDB	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	51	51
	Heating	High	dBA	51	51
Sound Power	Cooling	High	dBA	65	65
Air Flow Rate		High	m³ / min	35	35
Piping	Length (Odu / ldu)	Min / Max	m	3 / 20	3 / 20
	Elevation (Odu / ldu)	Max	m	10	10
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (27/32)	21.5 (27/32)
	Type			R32	R32
Refrigerant	Charge at 7.5m		kg	0.800	0.800
	Additional charge		t-CO ₂ eq	0.540	0.540
	GWP		g/m	20	20
				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-CO₂eq : F-gas(kg)*GWP/1000
***** Specification, design and feature are subject to change without prior notice.

ARTCOOL MIRROR



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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				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 Consumption	Cooling		kWh	125	186	250	335
	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
Sound Power	Heating	L / M / H	dBA	27 / 35 / 41	27 / 35 / 41	34 / 39 / 44	34 / 42 / 47
	Cooling	Power	dBA	59	59	60	65
Air Flow Rate	Cooling	S / L / M / H	m³ / min	30 / 42 / 75 / 100	30 / 42 / 75 / 100	80 / 105 / 130 / 145	80 / 105 / 131 / 16.1
	Heating	Max (Power)	m³ / min	12.5	12.5	15.5	20.0
		L / M / H	m³ / min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0	11.0 / 13.5 / 16.0	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
		Rated	A	3.3	4.7	6.9	9.8
Running Current	Cooling	Max	A	6.0	6.0	9.0	14.0
	Heating	Rated	A	4.0	4.7	7.1	10.4
		Max	A	7.0	7.0	9.5	14.0
Starting Current	Cooling / Heating	Rated	A	3.3 / 4.0	4.7 / 4.7	6.9 / 7.1	9.8 / 10.4
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm²	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable			N x mm²	4 x 1.0 (Including Earth)	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	m³ / min	27	27	35	50
Piping	Length (Odu / ldu)	Min / Max	m	3 / 15	3 / 15	3 / 20	3 / 30
	Elevation (Odu / ldu)	Max	m	7	7	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)
	Type			R32	R32	R32	R32
Refrigerant	Charge at 7.5m		kg	0.700	0.700	1.000	1.100
	Additional charge		t-CO ₂ eq	0.473	0.473	0.675	0.743
	GWP		g/m	20	20	20	20
				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-CO₂eq : F-gas(kg)*GWP/1000
***** Specification, design and feature are subject to change without prior notice.

ARTCOOL SILVER



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Fast Heating

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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 (A+++ to D Scale)	Cooling		A++		A++	A++
	Heating (Average / Warmer)		A+ / A++		A+ / A++	A+ / A+++
Annual Energy Consumption	Cooling		kWh	125	186	250
	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
		S / L / M / H	m³ / min	3.0 / 4.2 / 7.5 / 10.0	3.0 / 4.2 / 7.5 / 10.0	8.0 / 10.5 / 13.0 / 14.5
Air Flow Rate	Cooling	Max (Power)	m³ / min	12.5	12.5	15.5
	Heating	L / M / H	m³ / min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0	11.0 / 13.5 / 16.0
Dehumidification Rate			l/h	1.1	1.3	1.8
	Cooling	Rated	A	3.3	4.7	6.9
Running Current		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 mm²	3 x 1.0	3 x 1.0	3 x 1.5
Power & Transmission Cable			N x mm²	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
		High	m³ / 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).
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*** GWP : Global warming potential
**** t-CO₂eq : F-gas(kg)*GWP/1000
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PRESTIGE

NEW



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Energy Display

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Dual Protection Filter

Plasmaster Auto Cleaning

Jet Cool

4 Way Swing

Fast Heating

Gold Fin™

Low Noise 19dB

Silence Mode

Quick & Easy Installation



• Single Combination

UNIT				9K	12K
INDOOR				F09MT NSM	F12MT NSM
Capacity	Cooling	Min / Rated / Max	W	300 / 2500 / 4000	300 / 3500 / 4250
	Heating	Min / Rated / Max	W	300 / 3200 / 6900	300 / 4000 / 7320
	Heating -7°C	Rated	W	4300	4700
Power Input	Cooling	Rated	W	490	833
	Heating	Rated	W	593	785
EER			W / W	5.1	4.2
S.E.E.R.				9.4	9.1
P design C			kW	2.5	3.5
COP			W / W	5.4	5.1
S.C.O.P. (Average / Warmer)				5.1 / -	5.1 / -
P design H (Average / Warmer)			kW	3.7 / -	3.8 / -
Energy Label (A+++ to D Scale)	Cooling		A+++		A+++
	Heating (Average / Warmer)		A+++ / -		A+++ / -
Annual Energy Consumption	Cooling		kWh	93	135
	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
		S / L / M / H	m³ / min	6.6 / 8.7 / 11.1 / 12.4	6.6 / 8.7 / 11.1 / 12.4
Air Flow Rate	Cooling	Max (Power)	m³ / min	15.5	15.5
	Heating	L / M / H	m³ / min	8.7 / 11.1 / 14.3	8.7 / 11.1 / 14.3
Dehumidification Rate			l/h	1.7	1.7
	Cooling	Rated	A	3.8	6.1
Running Current		Max	A	8.1	8.1
	Heating	Rated	A	4.6	5.8
		Max	A	8.8	8.8
Starting Current	Cooling / Heating	Rated	A	3.8 / 4.6	6.1 / 5.8
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15
Power Supply Cable			N x mm²	3 x 1.0	3 x 1.0
Power & Transmission Cable			N x mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	875 x 295 x 235	875 x 295 x 235
Net Weight			kg	11.0	11.0
Fan Motor Output			W	30	30
OUTDOOR				F09MT U24	F12MT U24
Operation Range	Cooling	Min/Max	°CDB	-10 / 48	-10 / 48
	Heating	Min/Max	°CDB	-25 / 24	-25 / 24
Sound Pressure	Cooling	High	dBA	48	48
	Heating	High	dBA	50	50
Sound Power	Cooling	High	dBA	65	65
		High	m³ / min	49	49
Piping	Length (Odu / Idu)	Min / Max	m	3 / 20	3 / 20
	Elevation (Odu / Idu)	Max	m	10	10
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (27/32)	21.5 (27/32)
Refrigerant	Type			R32	R32
	Charge at 7.5m		kg	1.000	1.000
			t-CO ₂ eq	0.675	0.675
	Additional charge		g/m	20	20
	GWP			675	675
Fan Motor Output			W	85	85
Compressor Type				Twin Rotary	Twin Rotary
Net Weight			kg	43	43
Dimension			mm	870 x 650 x 330	870 x 650 x 330

* This product contains Fluorinated greenhouse gases (R32).
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*** GWP : Global warming potential
**** t-CO₂eq : F-gas(kg)*GWP/1000
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DUALCOOL WITH AIR PURIFICATION



NEW



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Embedded Wi-Fi

Active Energy Control

Energy Display

Auto Cleaning

PM 1.0 SENSOR

Silence Mode

Jet Cool

4 Way Swing

Fast Heating

Gold Fin™

Comfort Air

Quick & Easy Installation

• Single Combination

UNIT				9K	12K
INDOOR				AP09RT NSJ	AP12RT NSJ
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4000
	Heating	Min / Rated / Max	W	890 / 3300 / 4100	890 / 4000 / 4700
	Heating -7°C	Rated	W	2600	3000
Power Input	Cooling	Rated	W	710	1160
	Heating	Rated	W	850	1130
EER			W/W	3.52	3.02
S.E.E.R.				6.6	6.2
P design C			kW	2.5	3.5
COP			W/W	3.88	3.54
S.C.O.P. (Average / Warmer)				4.0 / 5.0	4.0 / 5.0
P design H (Average / Warmer)			kW	2.5 / 1.4	2.5 / 1.4
Energy Label	Cooling			A++	A++
	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	m³/min	3.0 / 4.2 / 6.6 / 10.0	3.0 / 4.2 / 6.6 / 10.0
	Heating	Max (Power)	m³/min	11.0	11.0
Dehumidification Rate		L / M / H	m³/min	4.2 / 6.6 / 10.0	4.2 / 6.6 / 10.0
			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 mm²	3 x 1.0	3 x 1.0
Power & Transmission Cable			N x mm²	4 x 1.0	4 x 1.0
Dimension			mm	857 x 348 x 189	857 x 348 x 189
Net Weight			kg	9.5	9.5
Fan Motor Output			W	30	30
OUTDOOR				AP09RT UA3	AP12RT UA3
Operation Range	Cooling	Min/Max	°CDB	-10 / 48	-10 / 48
	Heating	Min/Max	°CDB	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	48	48
	Heating	High	dBA	50	50
Sound Power	Cooling	High	dBA	65	65
Air Flow Rate		High	m³/min	27	27
Piping	Length (Odu/Idu)	Min/Max	m	3 / 15	3 / 15
	Elevation (Odu/Idu)	Max	m	7	7
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (0.85)	21.5 (0.85)
Refrigerant	Type			R32	R32
	Charge at 7.5m		kg	0.700	0.700
	Additional charge		t-CO ₂ eq	0.473	0.473
Fan Motor Output			W	43	43
Compressor Type				Twin Rotary	Twin Rotary
Net Weight			kg	26	26
Dimension			mm	717 x 495 x 230	717 x 495 x 230

* This product contains Fluorinated greenhouse gases (R32).
** S : Sleep / L : Low / M : Medium / H : High
*** GWP : Global warming potential
**** t-CO₂eq : F-gas(kg)*GWP/1000
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DELUXE



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Low Noise 19dB (9k, 12k)

Silence Mode

Quick & Easy Installation

• Single Combination

UNIT				9K	12K	18K	24K
INDOOR				DC09RQ NSJ	DC12RQ NSJ	DC18RQ NSK	DC24RQ NSK
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4040	900 / 5000 / 5500	900 / 6600 / 7420
	Heating	Min / Rated / Max	W	890 / 3200 / 5000	890 / 4000 / 6000	900 / 5800 / 6400	900 / 7500 / 8640
	Heating -7°C	Rated	W	3200	3500	4200	6000
Power Input	Cooling	Rated	W	572	933	1562	2164
	Heating	Rated	W	711	976	1611	2238
EER			W/W	4.37	3.75	3.20	3.05
S.E.E.R.				7.9	7.6	7.0	6.9
P design C			kW	2.5	3.5	5.0	6.6
COP			W/W	4.5	4.1	3.60	3.35
S.C.O.P. (Average / Warmer)				4.6 / 5.4	4.6 / 5.4	4.3 / 5.3	4.3 / 5.3
P design H (Average / Warmer)			kW	2.8 / 1.5	2.9 / 1.5	3.9 / 2.1	5.0 / 2.7
Energy Label	Cooling			A++	A++	A++	A++
	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	m³/min	3.5 / 5.5 / 9.0 / 11.0	3.5 / 5.5 / 9.0 / 11.0	80 / 105 / 130 / 145	80 / 105 / 131 / 161
	Heating	Max (Power)	m³/min	13.0	13.0	15.5	20.0
Dehumidification Rate		L / M / H	m³/min	6.5 / 9.0 / 11.0	6.5 / 9.0 / 11.0	11.0 / 13.5 / 16.0	10.5 / 13.1 / 16.1
			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 mm²	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable			N x mm²	4 x 1.0	4 x 1.0	4 x 1.0	4 x 1.0
Dimension			mm	(Including Earth) 837 x 308 x 189	(Including Earth) 837 x 308 x 189	(Including Earth) 998 x 345 x 210	(Including Earth) 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	m³/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
	Additional charge		t-CO ₂ eq	0.540	0.540	0.675	0.743
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-CO₂eq : F-gas(kg)*GWP/1000
***** Specification, design and feature are subject to change without prior notice.

DELUXE 2

NEW



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



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
INDOOR				DC09RT NSJ	DC12RT NSJ
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4040
	Heating	Min / Rated / Max	W	890 / 3300 / 4100	890 / 4000 / 5100
	Heating -7°C	Rated	W	2600	3000
Power Input	Cooling	Rated	W	656	1080
	Heating	Rated	W	800	1050
			W / W	3.81	3.24
EER				7.0	6.6
S.E.E.R.				2.5	3.5
P design C			kW	4.13	3.81
COP			W / W	4.0 / 4.9	4.0 / 4.9
S.C.O.P. (Average / Warmer)				2.5 / 1.3	2.5 / 1.3
P design H (Average / Warmer)			kW	A++	A++
Energy Label	Cooling			A+ / A++	A+ / A++
(A+++ to D Scale)	Heating (Average / Warmer)				
Annual Energy Consumption	Cooling		kWh	125	186
	Heating (Average / Warmer)		kWh	875 / 371	875 / 371
			dBA	19 / 27 / 35 / 41	19 / 27 / 35 / 41
Sound Pressure	Cooling	S / L / M / H		27 / 35 / 41	27 / 35 / 41
	Heating	L / M / H	dBA	59	59
		Power	dBA		
Sound Power	Cooling			3.0 / 4.2 / 7.5 / 10.0	3.0 / 4.2 / 7.5 / 10.0
	Heating	S / L / M / H	m³ / min	12.5	12.5
		Max (Power)	m³ / min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0
Air Flow Rate	Cooling	L / M / H		1.1	1.3
	Heating		l/h	3.3	4.7
		Rated	A	6.0	6.0
Dehumidification Rate	Cooling	Max	A	4.0	4.7
	Heating	Rated	A	7.0	7.0
		Max	A	3.3 / 4.0	4.7 / 4.7
Starting Current	Cooling / Heating	Rated	A	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Power Supply			Ø / V / Hz	15	15
Circuit Breaker			A	3 x 1.0	3 x 1.0
Power Supply Cable			N x mm²	4 x 1.0	4 x 1.0
Power & Transmission Cable			N x mm²	837 x 308 x 189	837 x 308 x 189
Dimension			mm	9.1	9.1
Net Weight			kg	30	30
Fan Motor Output			W		
OUTDOOR				DC09RT UA3	DC12RT UA3
Operation Range	Cooling	Min / Max	°CDB	-10 / 48	-10 / 48
	Heating	Min / Max	°CDB	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	48	48
	Heating	High	dBA	50	50
Sound Power	Cooling	High	dBA	65	65
	Heating	High	dBA	27	27
Air Flow Rate	Cooling	High	m³ / min	3 / 15	3 / 15
	Heating	High	m	7	7
Piping	Length (Odu / ldu)	Min / Max	m	6.35 (1/4)	6.35 (1/4)
	Elevation (Odu / ldu)	Max	m	9.52 (3/8)	9.52 (3/8)
Piping Connection	Liquid	OD (Outside)	mm (inch)	27 / 32	27 / 32
	Gas	OD (Outside)	mm (inch)	R32	R32
				0.700	0.700
Drain Hose Size	Cooling	High	dBA	0.473	0.473
	Heating	High	dBA	20	20
				675	675
Refrigerant	Charge at 7.5m		kg	43	43
	Additional charge		t-CO ₂ eq	Twin Rotary	Twin Rotary
	GWP		g/m	25.1	25.1
Fan Motor Output			W	717 x 495 x 230	717 x 495 x 230
Compressor Type					
Net Weight			kg		
Dimension			mm		

* This product contains Fluorinated greenhouse gases (R32).
** S : Sleep / L : Low / M : Medium / H : High
*** GWP : Global warming potential
**** t-CO₂eq : F-gas(kg)*GWP/1000
***** Specification, design and feature are subject to change without prior notice.

STANDARD PLUS



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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
			W / W	3.81	3.24	3.20	3.05
EER				7.0	6.6	7.0	6.9
S.E.E.R.				2.5	3.5	5.0	6.6
P design C			kW	4.13	3.81	3.60	3.35
COP			W / W	4.0 / 4.9	4.0 / 4.9	4.3 / 5.3	4.3 / 5.3
S.C.O.P. (Average / Warmer)				2.5 / 1.3	2.5 / 1.3	3.9 / 2.1	5.0 / 2.7
P design H (Average / Warmer)			kW	A++	A++	A++	A++
Energy Label	Cooling			A+ / A++	A+ / A++	A+ / A++	A+ / A++
(A+++ to D Scale)	Heating (Average / Warmer)						
Annual Energy Consumption	Cooling		kWh	125	186	250	335
	Heating (Average / Warmer)		kWh	875 / 371	875 / 371	1270 / 555	1628 / 713
			dBA	19 / 27 / 35 / 41	19 / 27 / 35 / 41	31 / 34 / 39 / 44	31 / 34 / 42 / 47
Sound Pressure	Cooling	S / L / M / H		27 / 35 / 41	27 / 35 / 41	34 / 39 / 44	34 / 42 / 47
	Heating	L / M / H	dBA	59	59	60	65
		Power	dBA				
Sound Power	Cooling			3.0 / 4.2 / 7.5 / 10.0	3.0 / 4.2 / 7.5 / 10.0	80 / 105 / 130 / 145	80 / 105 / 131 / 161
	Heating	S / L / M / H	m³ / min	12.5	12.5	15.5	20.0
		Max (Power)	m³ / min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0	11.0 / 13.5 / 16.0	10.5 / 13.1 / 16.1
Dehumidification Rate	Cooling	L / M / H		1.1	1.3	1.8	2.5
	Heating		l/h	3.3	4.7	6.9	9.8
		Rated	A	6.0	6.0	9.0	14.0
Running Current	Cooling	Max	A	4.0	4.7	7.1	10.4
	Heating	Rated	A	7.0	7.0	9.5	14.0
		Max	A	3.3 4.0	4.7 4.7	6.9 7.1	9.8 / 10.4
Starting Current	Cooling / Heating	Rated	A	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Power Supply			Ø / V / Hz	15	15	20	25
Circuit Breaker			A	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power Supply Cable			N x mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Power & Transmission Cable			N x mm²	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Dimension			mm	8.7	8.7	11.9	12.7
Net Weight			kg	30	30	30	60
Fan Motor Output			W				
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
	Heating	High	dBA	27	27	35	50
Air Flow Rate	Cooling	High	m³ / min	3 / 15	3 / 15	3 / 20	3 / 30
	Heating	High	m	7	7	10	15
Piping	Length (Odu / ldu)	Min / Max	m	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Elevation (Odu / ldu)	Max	m	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Piping Connection	Liquid	OD (Outside)	mm (inch)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)
	Gas	OD (Outside)	mm (inch)	R32	R32	R32	R32
				0.700	0.700	1.000	1.100
Drain Hose Size	Cooling	High	dBA	0.473	0.473	0.675	0.743
	Heating	High	dBA	20	20	20	20
				675	675	675	675
Refrigerant	Charge at 7.5m		kg	43	43	43	85
	Additional charge		t-CO ₂ eq	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	GWP		g/m	25.1	25.1	34.4	46.0
Fan Motor Output			W	717 x 495 x 230	717 x 495 x 230	770 x 545 x 288	870 x 650 x 330
Compressor Type							
Net Weight			kg				
Dimension			mm				

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** S : Sleep / L : Low / M : Medium / H : High
*** GWP : Global warming potential
**** t-CO₂eq : F-gas(kg)*GWP/1000
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STANDARD 2

NEW



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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				S09ET NSJ	S12ET NSJ	S18ET NSK	S24ET NSK
Capacity	Cooling	Min / Rated / Max	W	890 / 2500 / 3700	890 / 3500 / 4040	900 / 5000 / 5500	900 / 6600 / 7420
	Heating	Min / Rated / Max	W	890 / 3300 / 4100	890 / 4000 / 5100	900 / 5800 / 6400	900 / 7500 / 8640
	Heating -7°C	Rated	W	2600	3000	4200	6000
Power Input	Cooling	Rated	W	656	1080	1562	2164
	Heating	Rated	W	800	1050	1611	2238
EER			W / W	3.81	3.24	3.20	3.05
S.E.E.R.				7.0	6.6	7.0	6.9
P design C			kW	2.5	3.5	5.0	6.6
COP			W / W	4.13	3.81	3.60	3.35
S.C.O.P. (Average / Warmer)				4.0 / 4.9	4.0 / 4.9	4.3 / 5.3	4.3 / 5.3
P design H (Average / Warmer)				kW	2.5 / 1.3	3.9 / 2.1	5.0 / 2.7
Energy Label	Cooling		A++		A++	A++	A++
	Heating (Average / Warmer)		A+ / A++		A+ / A++	A+ / A+++	A+ / A+++
Annual Energy Consumption	Cooling		kWh	125	186	250	335
	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
		S / L / M / H	m³ / min	3.0	3.0	80	80
Air Flow Rate	Cooling	Max (Power)	m³ / min	12.5	12.5	15.5	18.3
	Heating	L / M / H	m³ / min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0	11.0 / 13.5 / 16.0	11.0 / 14.3 / 17.6
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
		Rated	A	3.3	4.7	6.9	9.8
Running Current	Cooling	Max	A	6.0	6.0	9.0	14.0
		Rated	A	4.0	4.7	7.1	10.0
	Heating	Max	A	7.0	7.0	9.5	14.0
Starting Current	Cooling / Heating	Rated	A	3.3 / 4.0	4.7 / 4.7	6.9 / 7.1	9.8 / 10.0
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm²	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable			N x mm²	4 x 1.0	4 x 1.0	4 x 1.0	4 x 1.0
Dimension			mm	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	8.7	8.7	11.9	12.7
Fan Motor Output			W	30	30	30	58
OUTDOOR				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
		High	m³ / min	27	27	35	49
Piping	Length (Odu / ldu)	Min / Max	m	3 / 15	3 / 15	3 / 20	3 / 30
	Elevation (Odu / ldu)	Max	m	7	7	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size		OD (Outside)	mm (inch)	27 / 32	27 / 32	27 / 32	27 / 32
	Type			R32	R32	R32	R32
Refrigerant	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
Fan Motor Output	GWP			675	675	675	675
			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-CO₂eq : F-gas(kg)*GWP/1000
***** Specification, design and feature are subject to change without prior notice.

STANDARD



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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	3.9 / 2.1	5.0 / 2.7
Energy Label	Cooling		A++		A++	A++	A++
	Heating (Average / Warmer)		A+ / A++		A+ / A++	A+ / A+++	A+ / A+++
Annual Energy Consumption	Cooling		kWh	125	186	250	335
	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
		S / L / M / H	m³ / min	3.0 / 4.2 / 7.5 / 10.0	3.0 / 4.2 / 7.5 / 10.0	80 / 105 / 130 / 145	80 / 105 / 131 / 16.1
Air Flow Rate	Cooling	Max (Power)	m³ / min	12.5	12.5	15.5	20.0
	Heating	L / M / H	m³ / min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0	11.0 / 13.5 / 16.0	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
		Rated	A	3.3	4.7	6.9	9.8
Running Current	Cooling	Max	A	6.0	6.0	9.0	14.0
		Rated	A	4.0	4.7	7.1	10.4
	Heating	Max	A	7.0	7.0	9.5	14.0
Starting Current	Cooling / Heating	Rated	A	3.3 / 4.0	4.7 / 4.7	6.9 7.1	9.8 / 10.4
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm²	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable			N x mm²	4 x 1.0 (Including Earth)	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
		High	m³ / min	27	27	35	50
Piping	Length (Odu / ldu)	Min / Max	m	3 / 15	3 / 15	3 / 20	3 / 30
	Elevation (Odu / ldu)	Max	m	7	7	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)
	Type			R32	R32	R32	R32
Refrigerant	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
Fan Motor Output	GWP			675	675	675	675
			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-CO₂eq : F-gas(kg)*GWP/1000
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STANDARD 3



NEW



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Smart Diagnosis

Active Energy Control

Energy Display

Auto Cleaning

Jet Cool

2 Way Swing (9k, 12k)

Fast Heating

Gold Fin™

Comfort Air

Low Noise 19dB (9k, 12k)

Silence Mode

Quick & Easy Installation

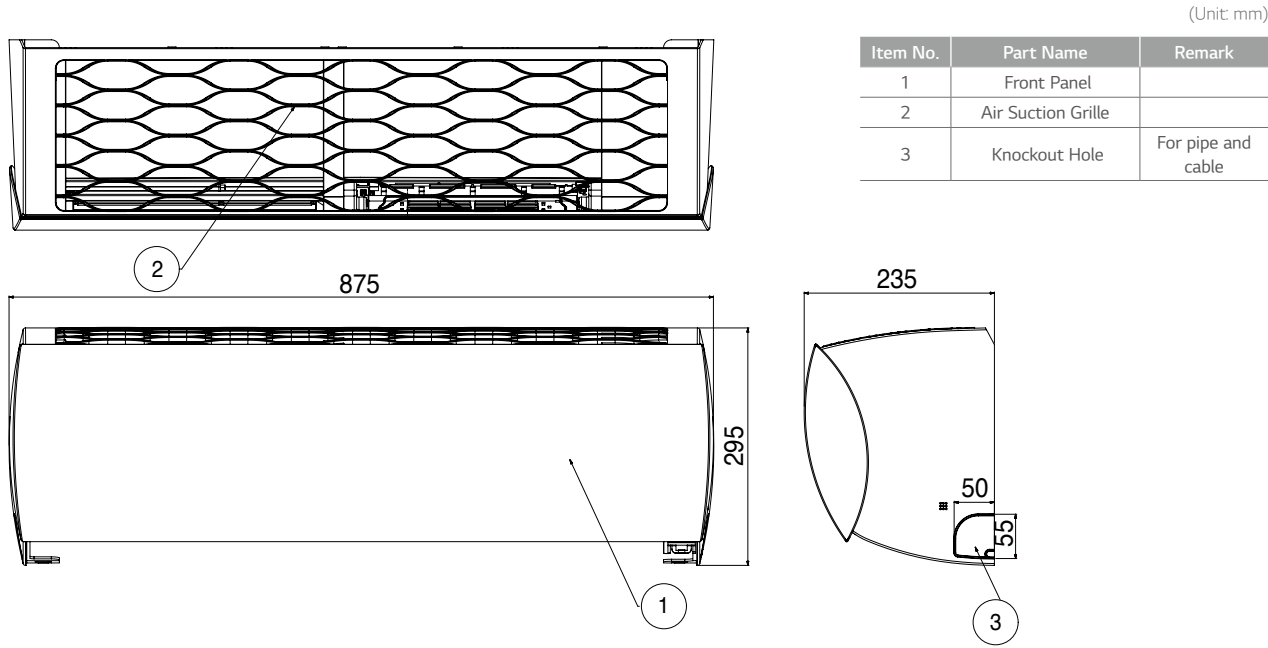
• Single Combination

UNIT				9K	12K	
INDOOR				S09ES NSA	S12ES NSJ	S12EW NSJ
Capacity	Cooling	Min / Rated / Max	W	890/2500/3400	890 / 3500 / 4040	890 / 3500 / 4040
	Heating	Min / Rated / Max	W	890/3200/3700	890 / 4000 / 5100	890 / 4000 / 5100
	Heating -7°C	Rated	W	2700	3600	3600
Power Input	Cooling	Rated	W	715	1080	1080
	Heating	Rated	W	860	1050	1050
EER			W / W	3.50	3.24	3.24
S.E.E.R.				6.5	6.6	6.6
P design C			kW	2.5	3.5	3.5
COP			W / W	3.72	3.81	3.81
S.C.O.P. (Average / Warmer)				3.8 / 4.2	4.0 / 4.9	4.0 / 4.9
P design H (Average / Warmer)			kW	2.3 / 1.2	2.5 / 1.3	2.5 / 1.3
Energy Label (A+++ to D Scale)	Cooling			A++	A++	A++
	Heating (Average / Warmer)			A / A+	A+ / A++	A+ / A++
Annual Energy Consumption	Cooling		kWh	135	186	186
	Heating (Average / Warmer)		kWh	847 / 400	875 / 386	875 / 371
Sound Pressure	Cooling	S / L / M / H	dBA	22 / 28 / 36 / 42	19 / 27 / 35 / 41	19 / 27 / 35 / 41
	Heating	L / M / H	dBA	28 / 36 / 42	27 / 35 / 41	27 / 35 / 41
Sound Power	Cooling	Power	dBA	60	59	59
		S / L / M / H	m³ / min	2.0 / 3.0 / 6.0 / 8.0	3.0 / 4.2 / 7.5 / 10.0	3.0 / 4.2 / 7.5 / 10.0
Air Flow Rate	Cooling	Max (Power)	m³ / min	10.2	12.5	12.5
	Heating	L / M / H	m³ / min	4.5 / 6.0 / 8.0	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0
Dehumidification Rate			l/h	1.1	1.3	1.3
		Rated	A	3.3	4.7	4.7
Running Current	Cooling	Max	A	6.0	6.0	6.0
		Rated	A	4.0	4.7	4.7
	Heating	Max	A	7.0	7.0	7.0
Starting Current	Cooling / Heating	Rated	A	3.3 / 4.0	4.7 / 4.7	4.7 / 4.7
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Circuit Breaker			A	15	15	15
Power Supply Cable			N x mm²	3 x 1.0	3 x 1.0	3 x 1.0
Power & Transmission Cable			N x mm²	4 x 1.0	4 x 1.0	4 x 1.0
Dimension			mm	753 x 308 x 189	837 x 308 x 189	837 x 308 x 189
Net Weight			kg	8.0	8.5	8.7
Fan Motor Output			W	30	30	30
OUTDOOR				S09ES UA3	S12ES UA3	S12EW UA3
Operation Range	Cooling	Min / Max	°CDB	-10 / 48	-10 / 48	-10 / 48
	Heating	Min / Max	°CDB	-10 / 24	-10 / 24	-10 / 24
Sound Pressure	Cooling	High	dBA	48	48	48
	Heating	High	dBA	50	50	50
Sound Power	Cooling	High	dBA	65	65	65
		High	m³ / min	27	27	27
Piping	Length (Odu / Idu)	Min / Max	m	3 / 15	3 / 15	3 / 15
	Elevation (Odu / Idu)	Max	m	7	7	7
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (0.85)	21.5 (0.85)	21.5 (0.85)
	Type			R32	R32	R32
Refrigerant			kg	0.670	0.700	0.700
	Charge at 7.5m		t-CO ₂ eq	0.452	0.473	0.473
	Additional charge		g/m	20	20	20
	GWP			675	675	675
Fan Motor Output			W	30	43	43
Compressor Type				Twin Rotary	Twin Rotary	Twin Rotary
Net Weight			kg	26	26	26
Dimension			mm	717 x 495 x 230	717 x 495 x 230	717 x 495 x 230

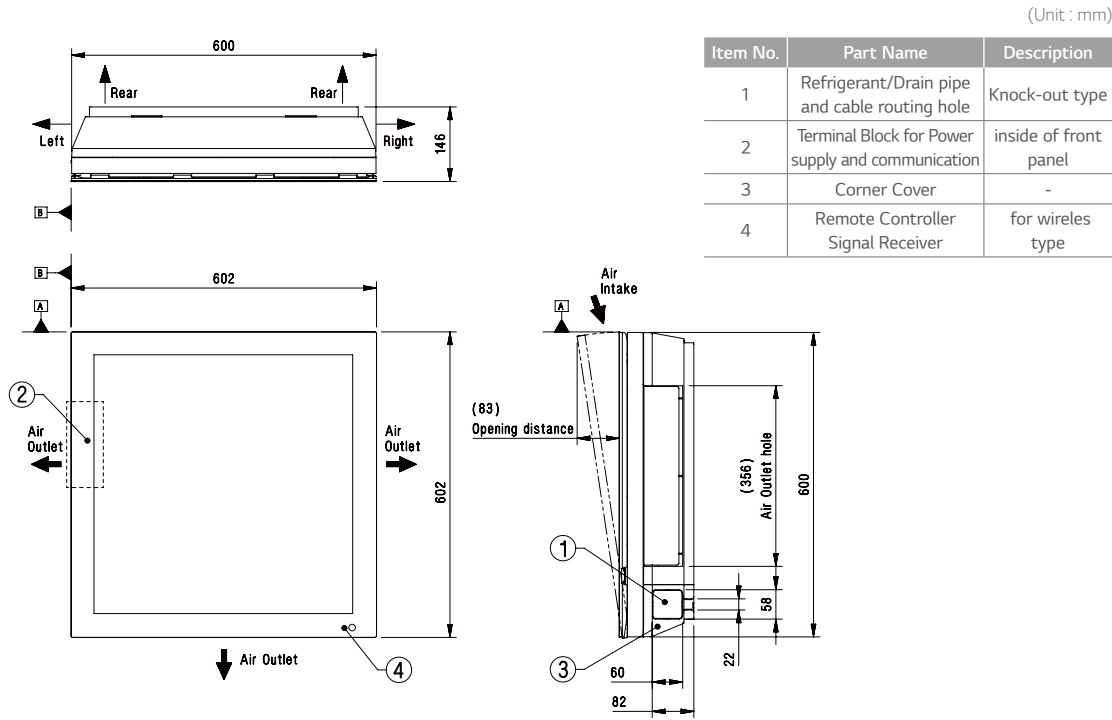
* This product contains Fluorinated greenhouse gases (R32).
** S : Sleep / L : Low / M : Medium / H : High
*** GWP : Global warming potential
**** t-CO₂eq : F-gas(kg)*GWP/1000
***** Specification, design and feature are subject to change without prior notice.

INDOOR UNIT

F09MT.NSM / F12MT.NSM

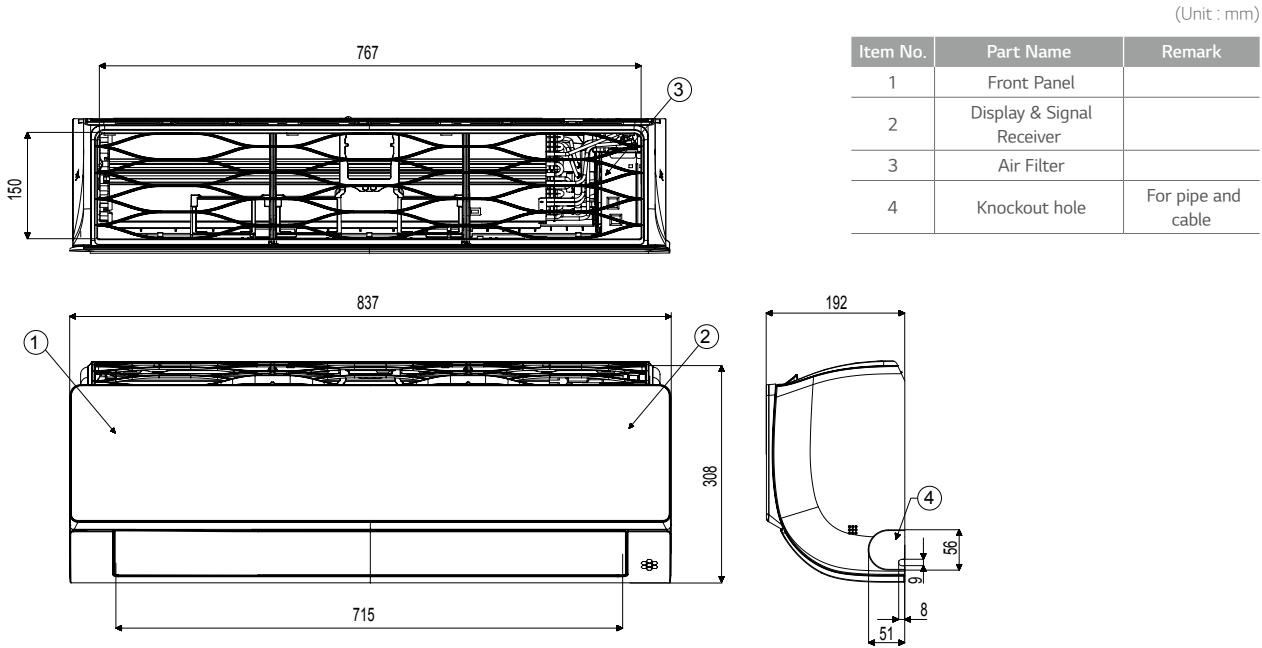


A09FT.NSF / A12FT.NSF

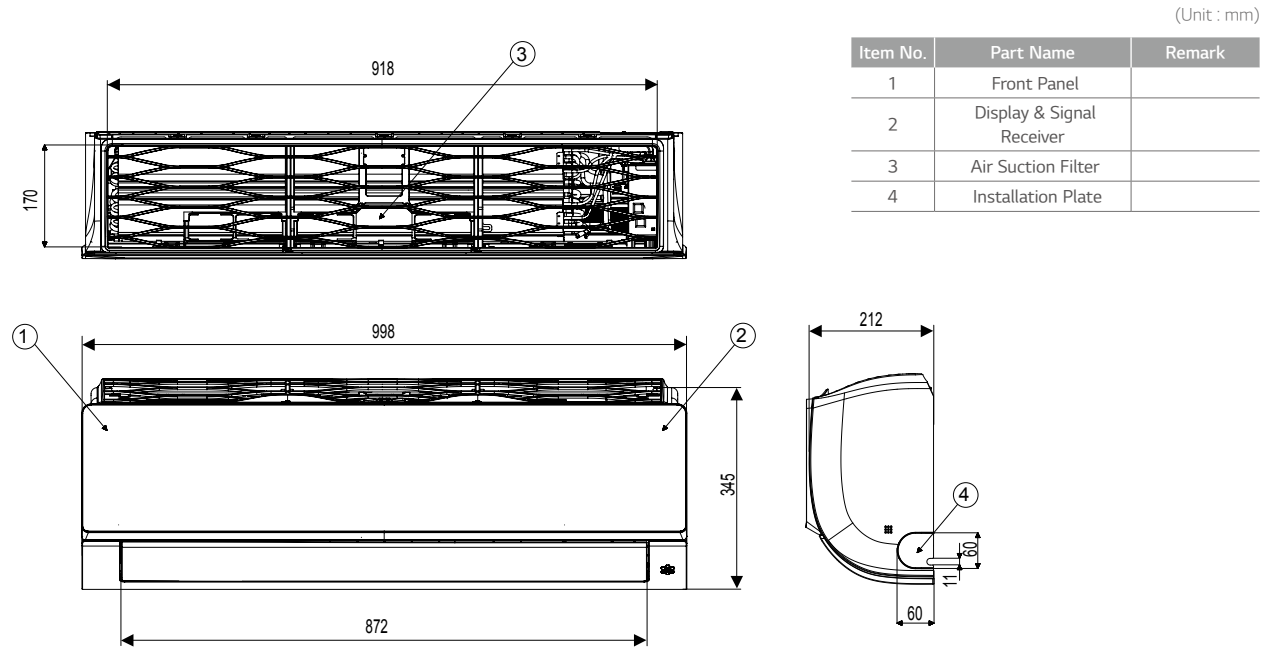


INDOOR UNIT

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

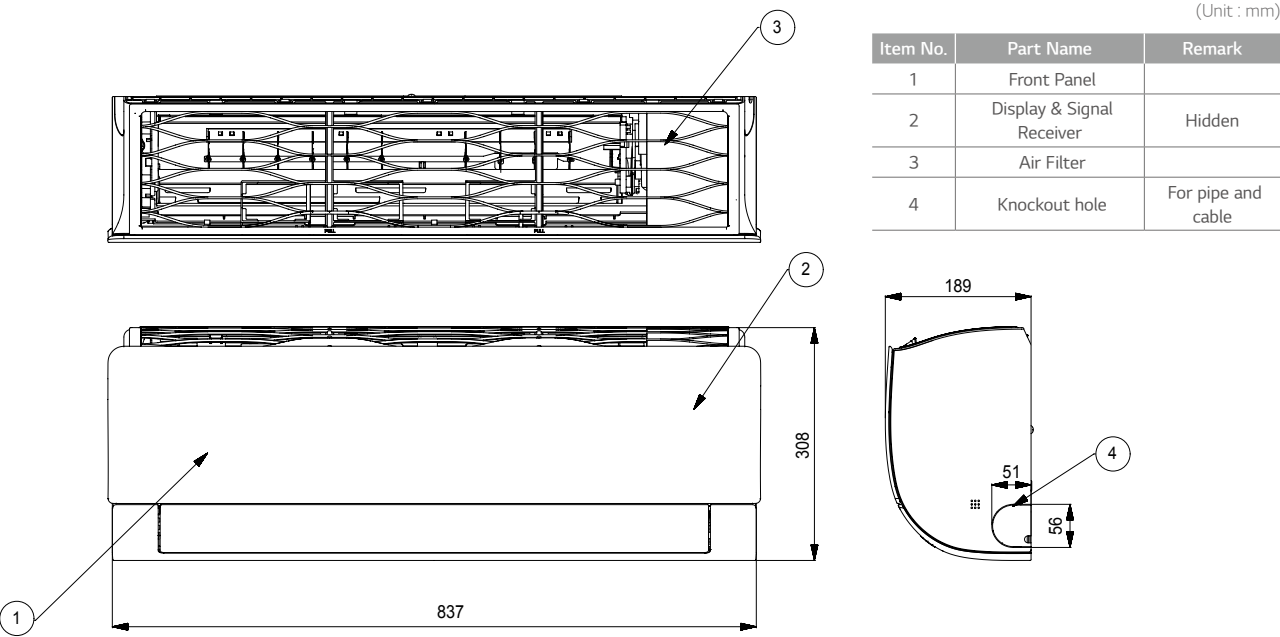


AC18BQ.NSK / AC24BQ.NSK / AC18SQ.NSK

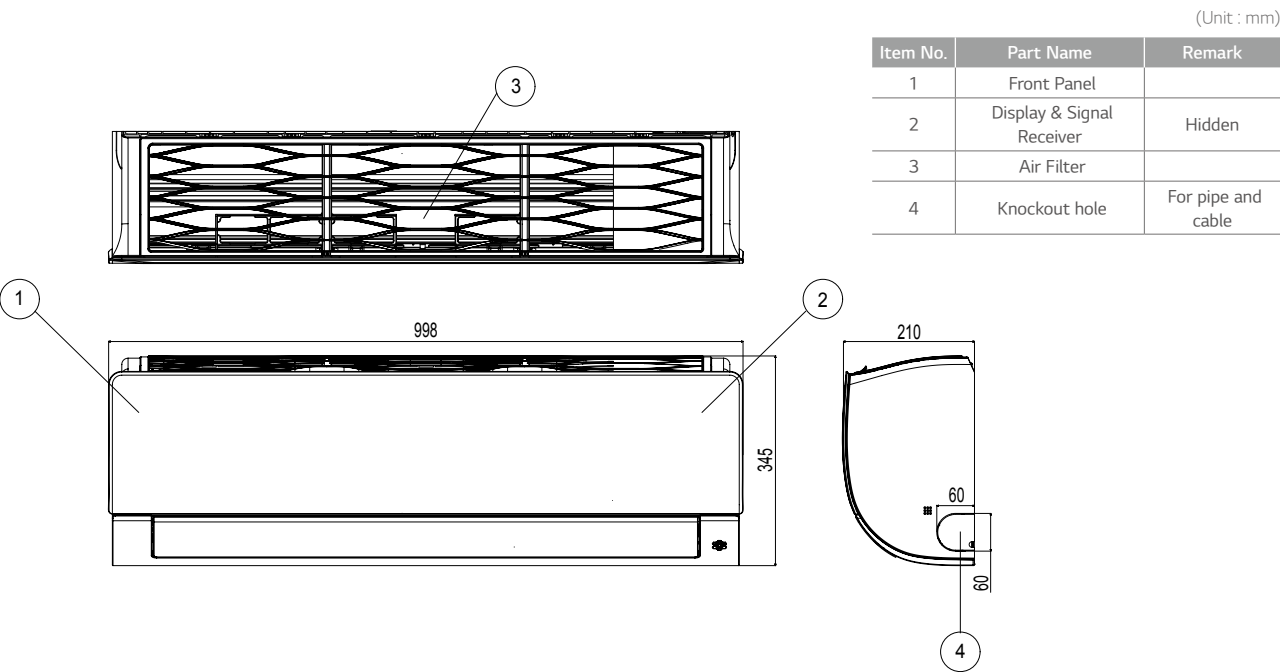


INDOOR UNIT

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

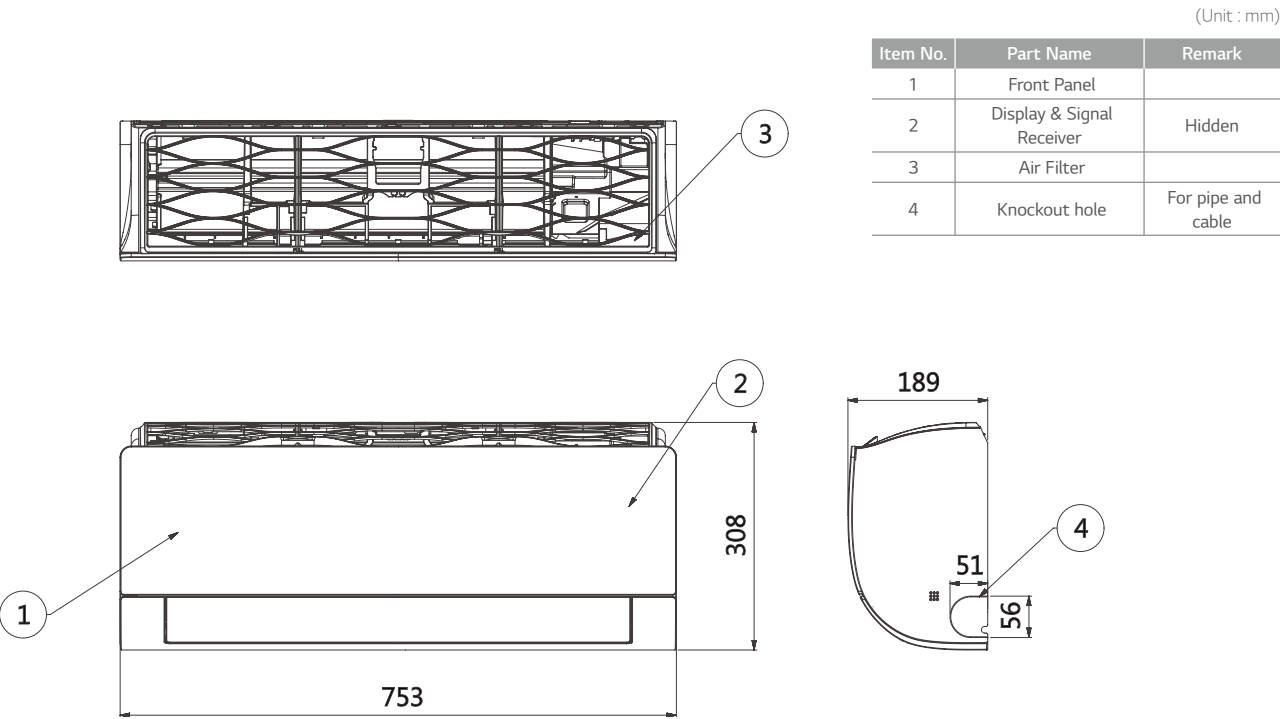


DC18RQ.NSK / DC24RQ.NSK / PC18SQ.NSK / PC24SQ .NSK / S18EQ.NSK / S24EQ.NSK / S18ET.NSK / S24ET.NSK

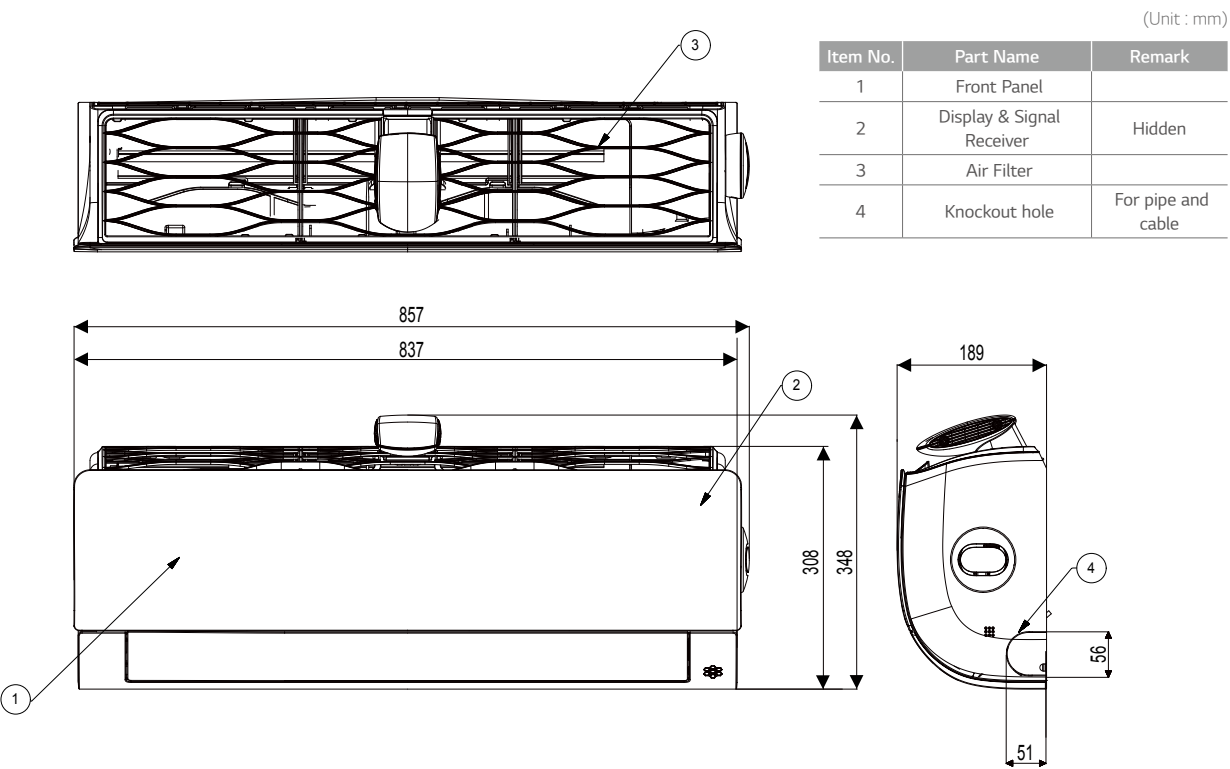


INDOOR UNIT

S09ES NSA



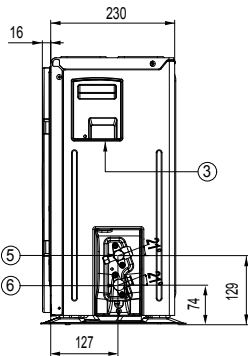
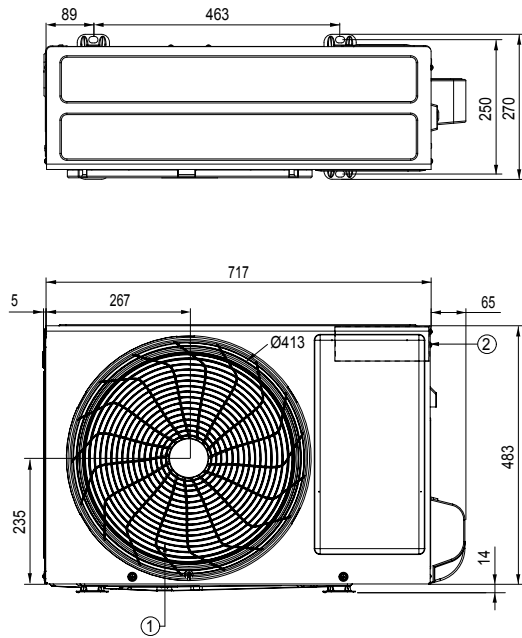
AP09RT.NSJ / AP12RT.NSJ



OUTDOOR UNIT

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

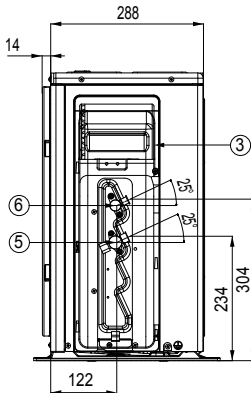
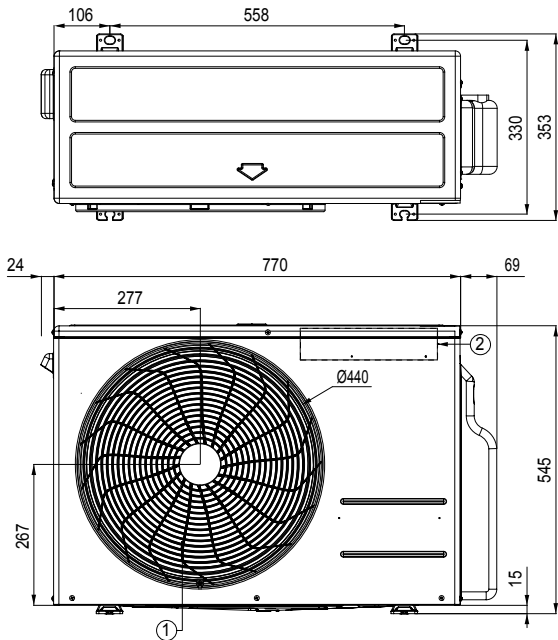
(Unit: mm)



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

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

(Unit: mm)

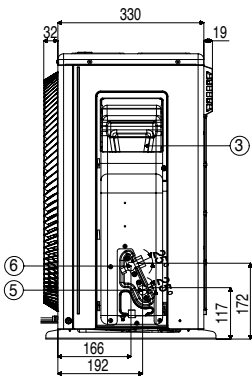
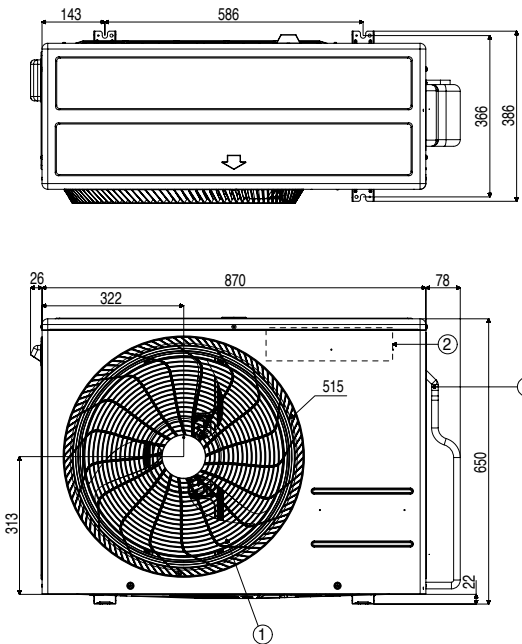


Item No.	Part Name
1	Air Outlet
2	Control Box
3	Power and Communication Cable Hole
4	Service Valve Cover
5	Gas Pipe Connection
6	Liquid Pipe Connection

OUTDOOR UNIT

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

(Unit: mm)



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

ACCESSORIES

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

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

Standard Wired Remote Control

• Standard III



PREMTB100



PREMTBB10

• Standard II



PREMTB001



PREMTBB01

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

※ Refer to each model PDB for applicable models.

PI 485



PMNFP14A1

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

ACCESSORIES

Dry Contact



PDRYCB000



PDRYCB400



PDRYCB300



PDRYCB500

※ Refer to each product PDB for applicable models

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

Remote Control



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

BUTTON	DISPLAY SCREEN	DESCRIPTION
	-	To turn On / Off the air conditioner.
	88°	To adjust the desired room temperature in cooling, heating or auto changeover mode.
COMFORT AIR LIGHT OFF		To adjust the air flow to deflect wind. 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.
FAN SPEED		To select the auto changeover / auto operation mode.
		To adjust the fan speed.
ENERGY CTRL.		To bring the effect of the power saving.
JET MODE		To change room temperature quickly.
		To adjust the air flow direction vertically or horizontally.
ROOM TEMP		To display the room temperature.
°C ↔ °F[5sec]		To change unit between °C and °F.
SET/ CANCEL	-	To set / cancel the functions and timer.
	-	To adjust time.
	-	To turn on / off air conditioner automatically.
	-	To cancel the timer settings.

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			●	●			
	ARTCOOL Mirror		●	○●	○●		○●	○●
	ARTCOOL Silver			○●	○●		○●	
	Air - Purifying			○●	○●			
	Deluxe		●	○●	○●		○●	○●
	Standard Plus	●	●	○●	○●	●	○●	○●
		●	●	●	●	●	●	●
	Standard 2		●	○●	○●		○●	○●
Ceiling Mounted Cassette	1 Way Cassette			●	●			
	4 Way Cassette	●	●	○●	○●		○●	○●
Ceiling Concealed Duct	Mid / High Static Pressure						○●	○●
	Low Static Pressure			○●	○●		○●	○●
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.ULO 2-port	MU2R17.ULO 2-port	MU3R19.U21 3-port	MU3R21.U21 3-port	MU4R25.U21 4-port	MU4R27.U40 4-port	MU5R30.U40 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	●		●		●		
		MU5M40.U44 5-port						
Multi	Distribution Box	●		●		●		
		FM40AH.U34 / FM41AH.U34 7-IDU		FM48AH.U34 / FM49AH.U34 8-IDU		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 individual single split systems.



ENERGY EFFICIENCY

ENERGY EFFICIENCY A+++ / A+

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

World Class High Efficiency

SEER 8.5

SEER / SCOP class (ErP regulation)

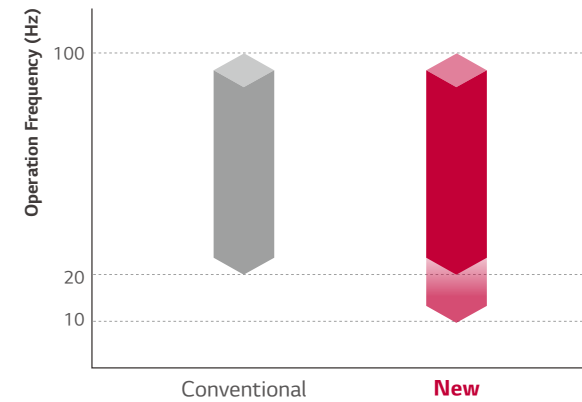
kW	4.1	4.7	5.3	6.2	7.0	7.9	8.8
SEER	8.5	7.8	8.5	8.5	8.0	8.0	8.2
SCOP	4.2	4.2	4.4	4.4	4.4	4.2	4.2

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

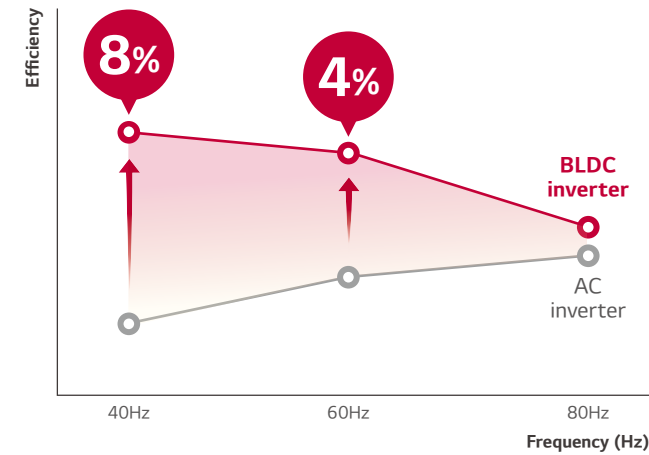
Powerful Brushless Direct Current Motor (BLDC) Compressor

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



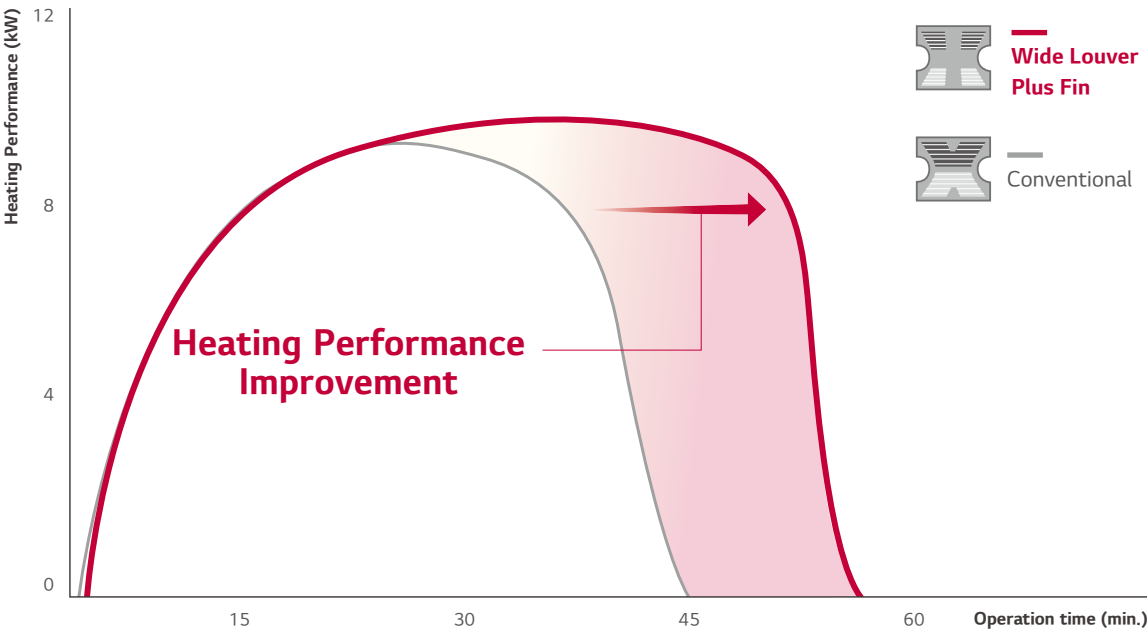
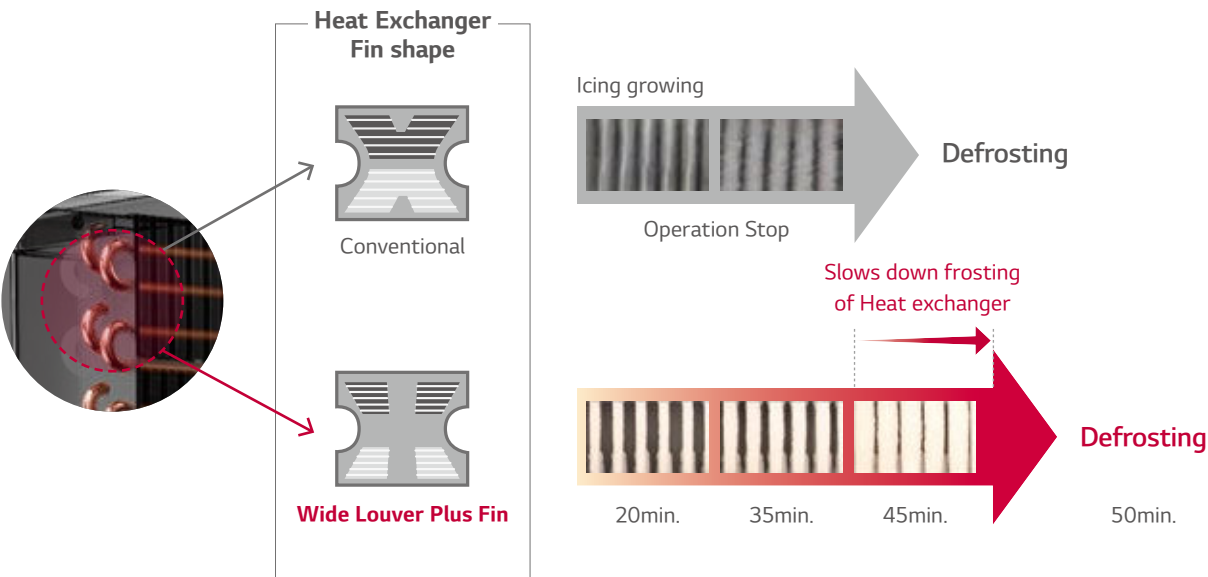
ENERGY EFFICIENCY

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

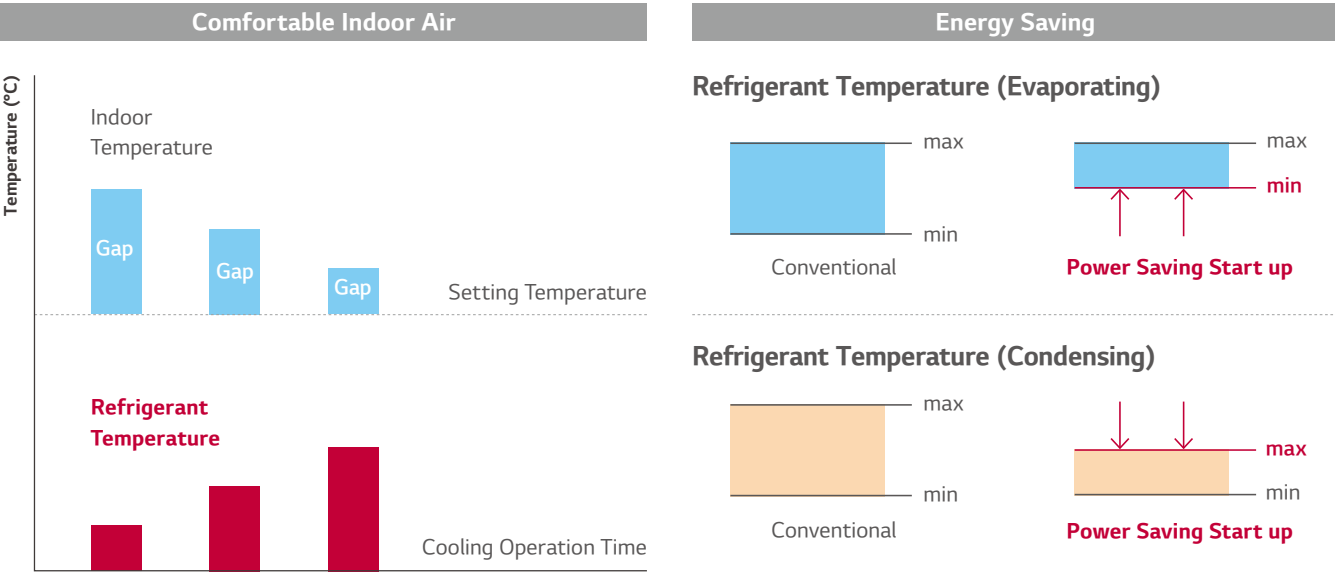


* LG Internal test data

ENERGY EFFICIENCY

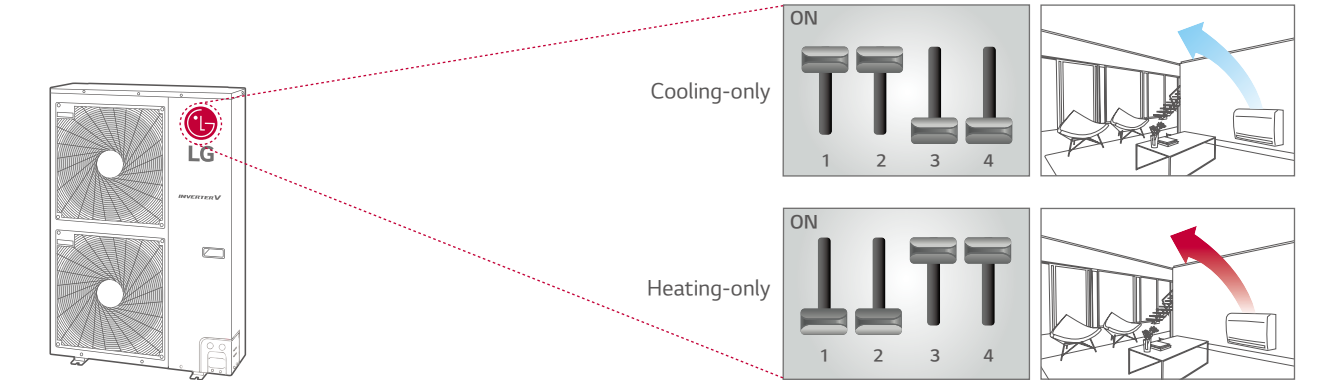
Power Saving Start Up

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

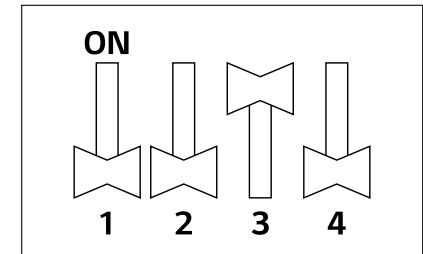
Peak Current Control

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

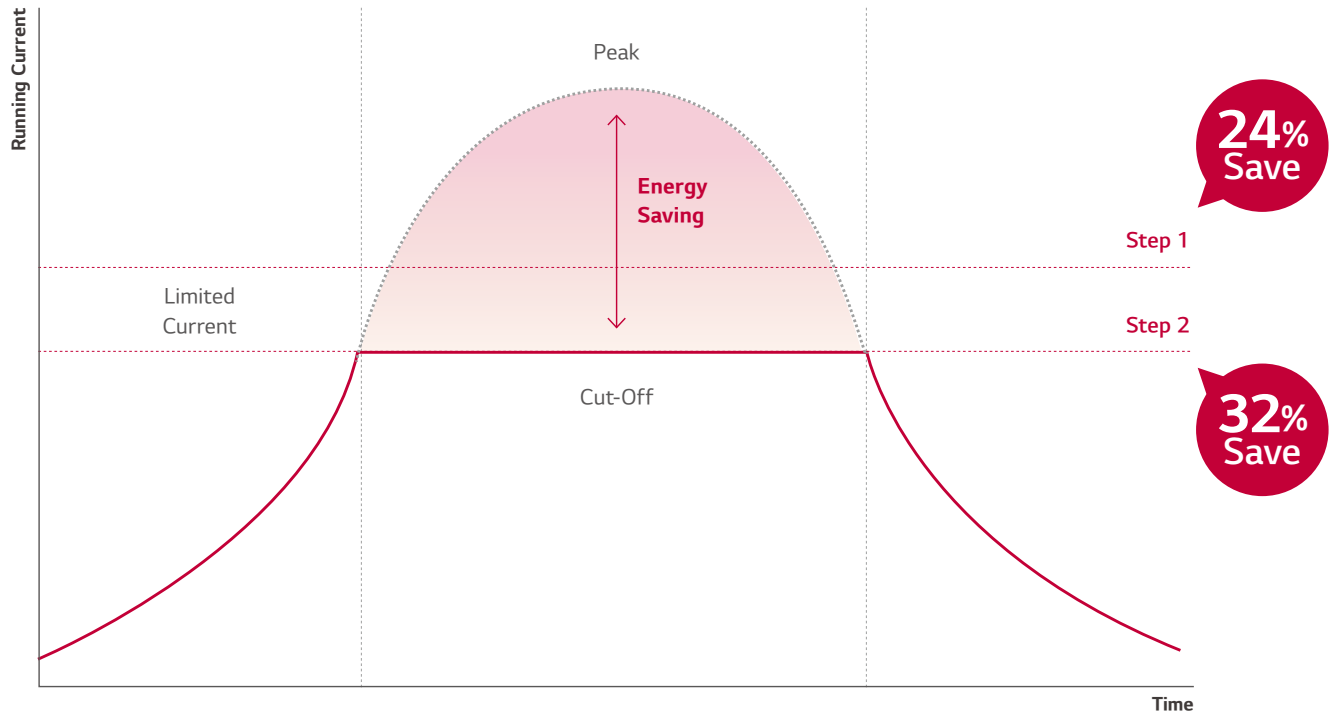
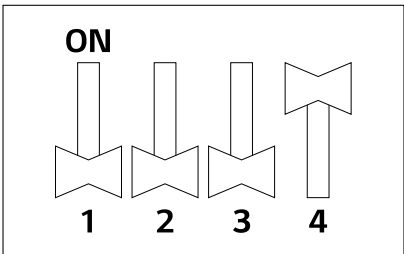
Max power consumption : 1.9 kW



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

STEP 2

Max power consumption : 1.7 kW



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

EXTREME DURABILITY

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



Product Safety & Durability Reassured

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

Improved BLDC Inverter Twin Rotary Compressor

Parts of BLDC Inverter Twin Rotary Compressor have been improved to allow 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.

Suction Optimization

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

Surface Coating

Shaft coating and polishing has been improved.

Twin Rotary Rotor

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

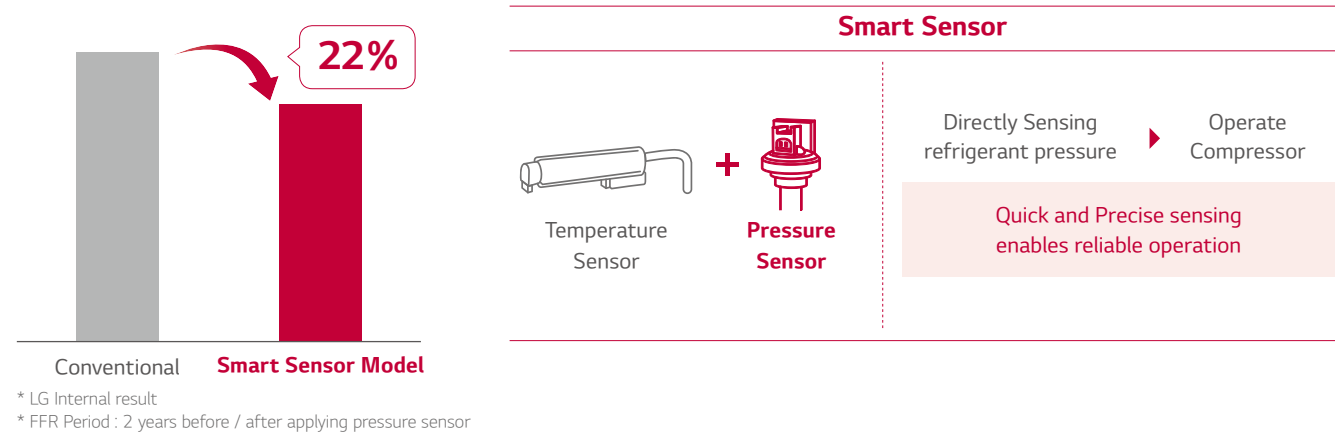
Twin Rotary Inverter Compressor

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



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.

Longer Lifespan, Lower Maintenance Costs

Hydrophilic film (Water flow)

The Hydrophilic coating minimizes moisture formation on the fin.

Acryl + Epoxy + Melamine resin (Corrosion resistant)

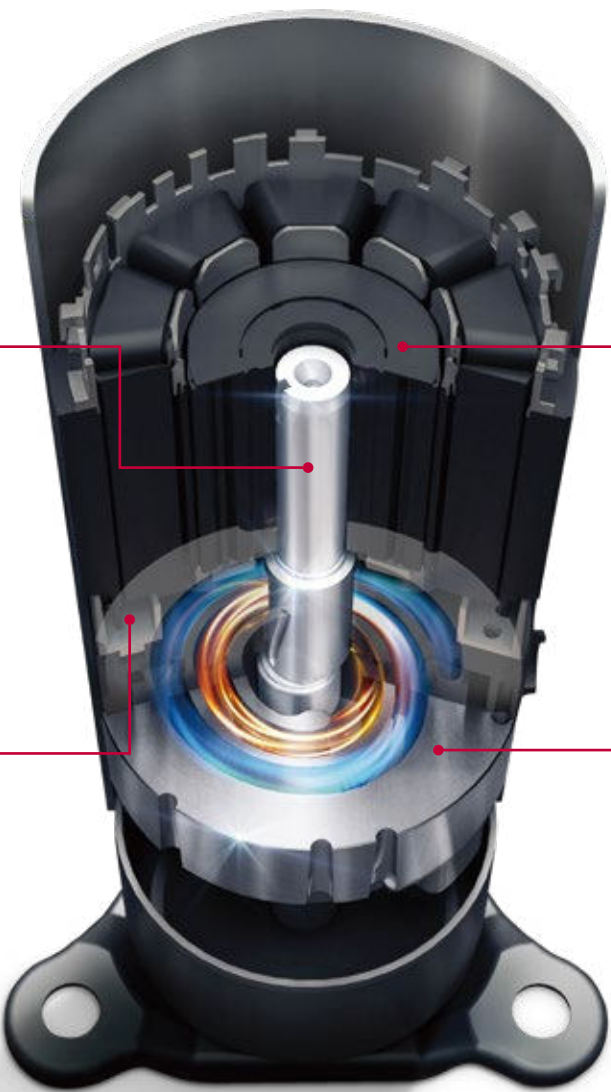
The Black coating provides strong protection from corrosion

Aluminum Fin

Note : Product is not fully treated for anti-corrosion. To install near the sea, additional treatment must be required.

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)

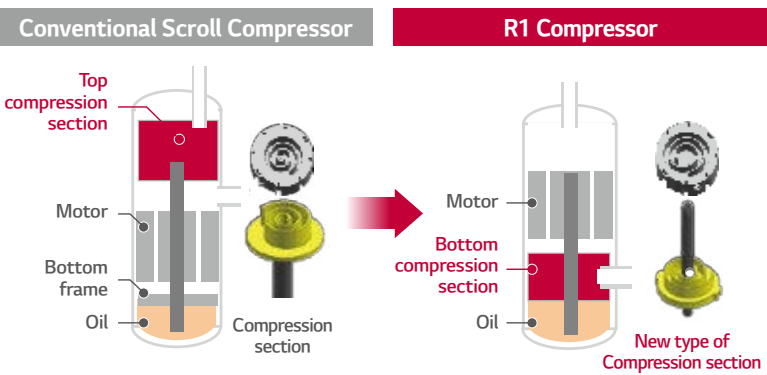
EXTREME DURABILITY

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.

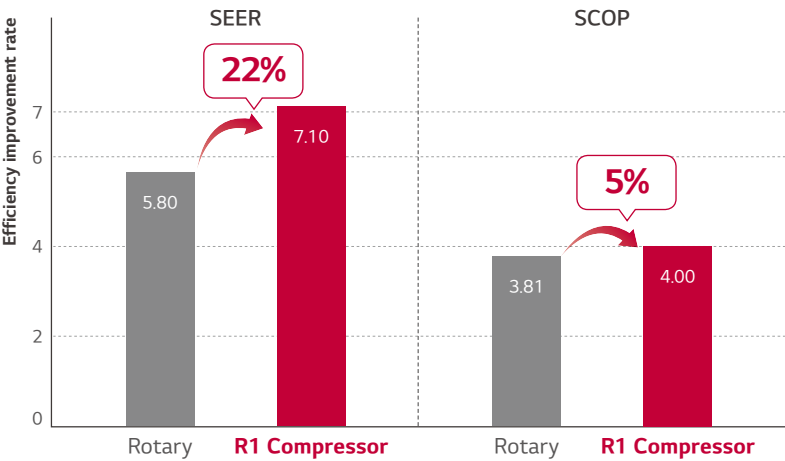
- Scroll compressor with simple structure
- High efficiency (low load at low speed / total efficiency)
- Low noise (high speed possible)
- Improved Tilting Motion of scroll
- 20% weight reduction (vs. conventional compressor)

※ Applied Model : 40-56k (7 models)



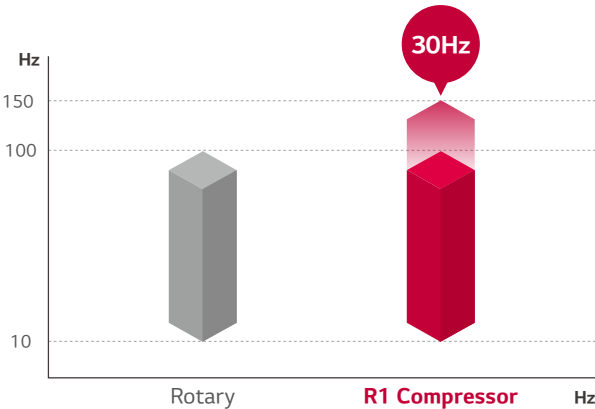
• Seasonal energy efficiency

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)

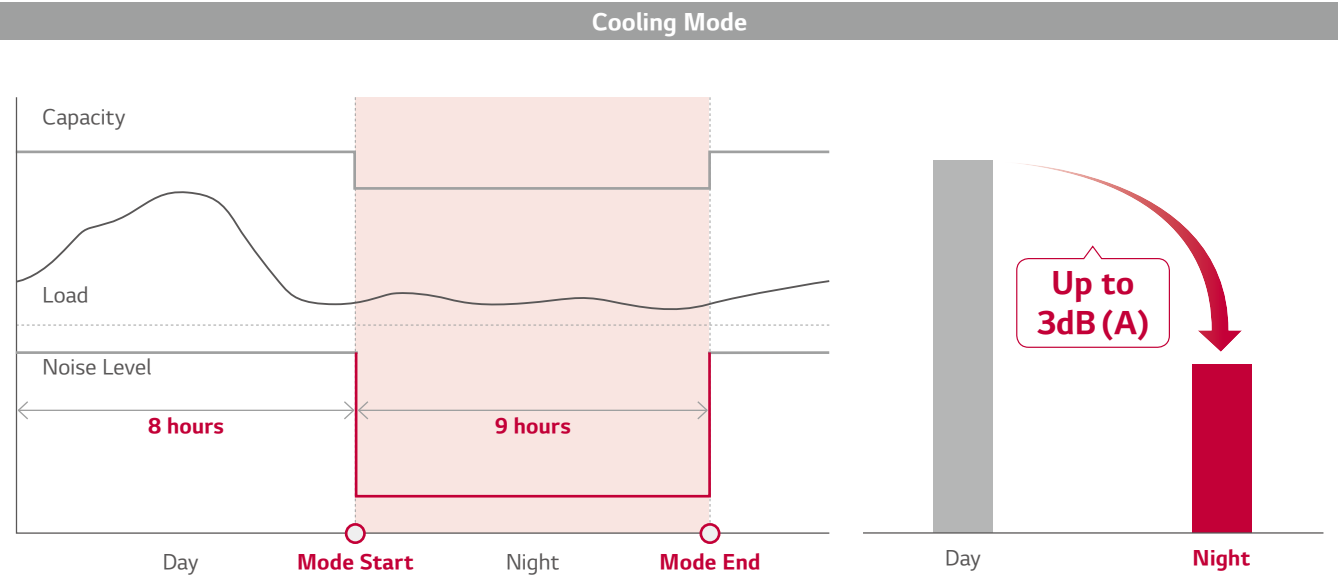


COMFORT AND CONVENIENCE

COMFORT AND CONVENIENCE

Night Silent Operation

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



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

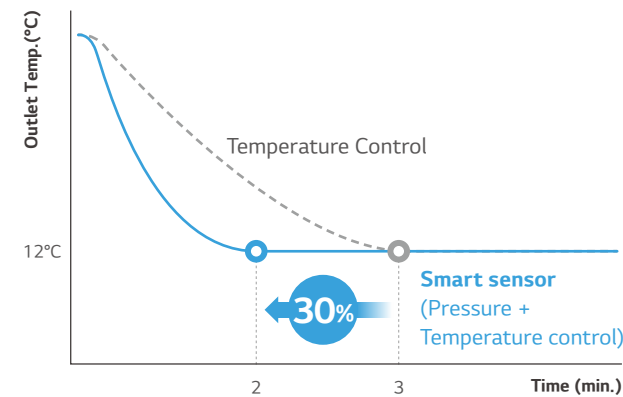
Fast Cooling & Heating

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.

Wiring Error Check

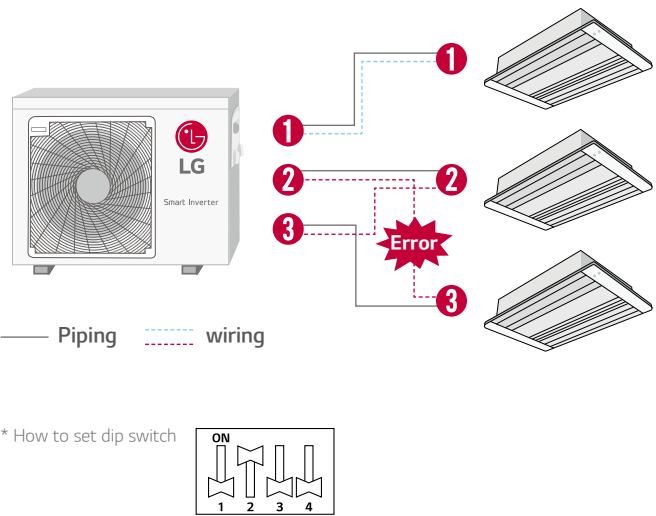
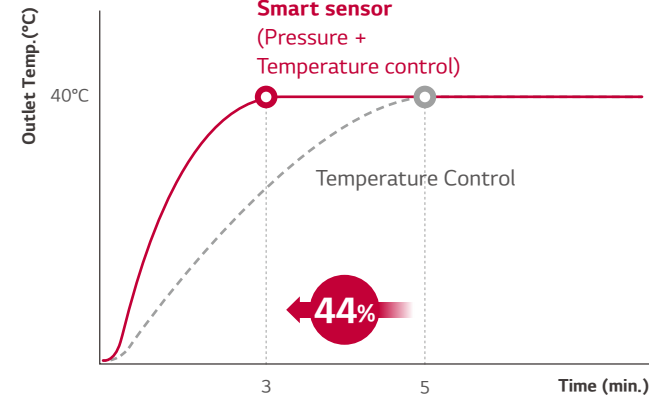
Installers can check whether the transmission cable has been connected correctly by using the wiring error check function. The wiring error check function can reduce the time taken to check for transmission cable errors.

• Cooling

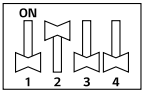


* LG Internal test result

• Heating



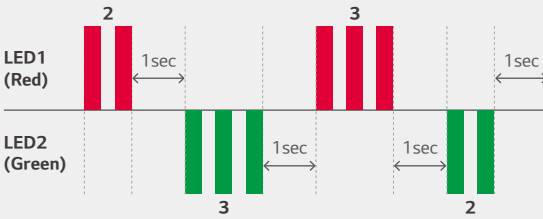
* How to set dip switch



• 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)

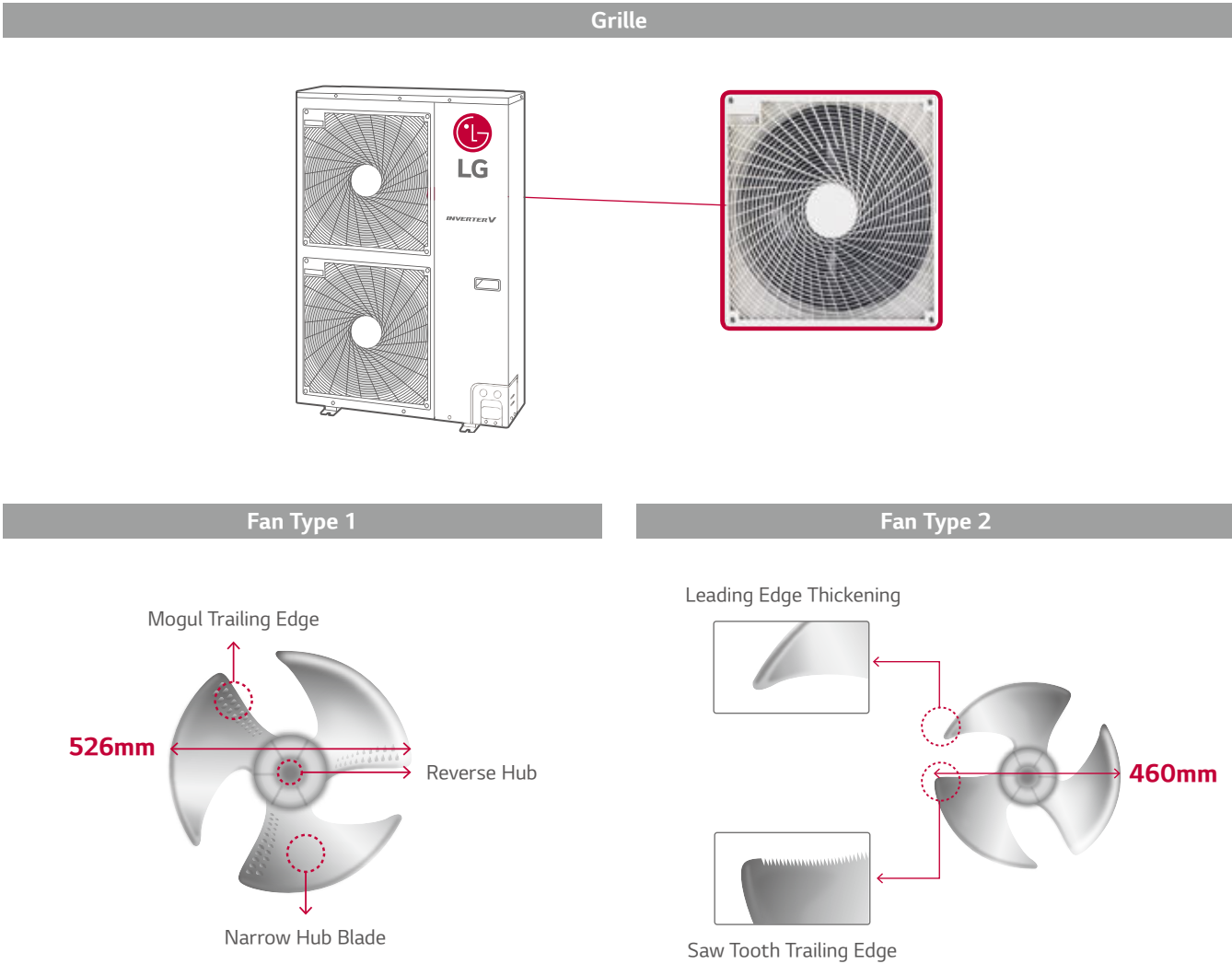
Ex) If the Red LED blinks twice and the Green LED blinks 3 times, 2nd pipe is connected to 3rd room



QUIET OPERATION

Advanced Grille & Fan

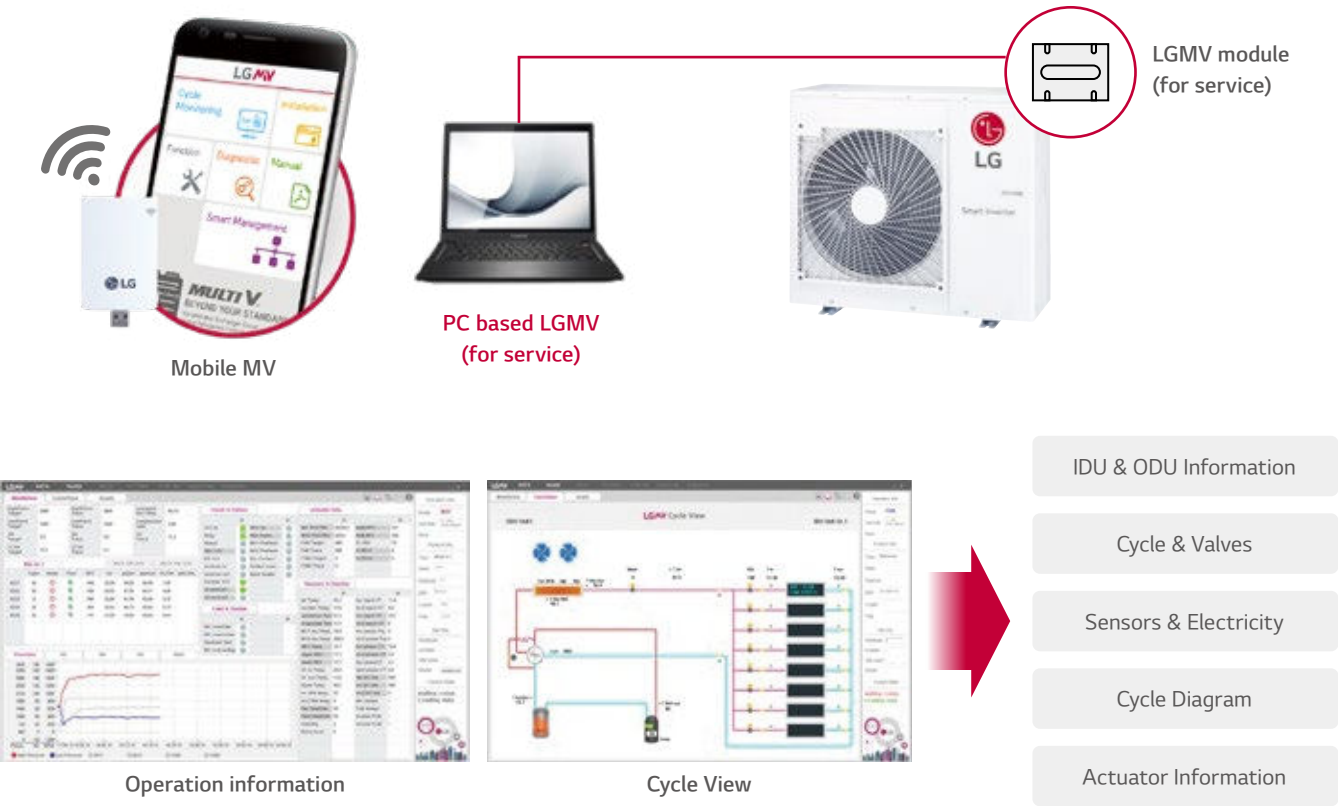
The improved grille shape design on the outdoor unit helps to distribute air more efficiently which improves heat exchange and reduces the noise level. The new axial Fan has a thick front edge and a smooth rear edge, thus providing not only high efficiency, low noise, wide fan, but also improving the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



COMFORT AND CONVENIENCE

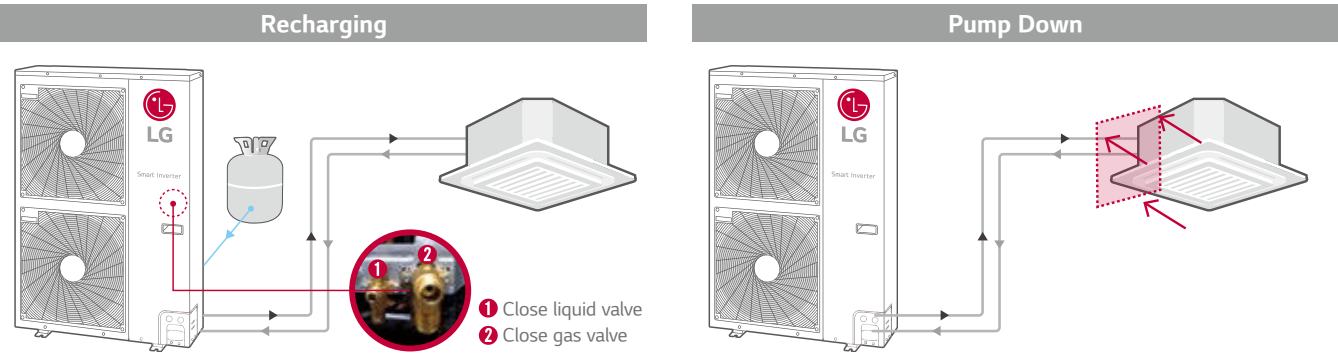
LG MV (Monitoring View)

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



Forced Cooling Operation

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



R32 MULTI SPLIT



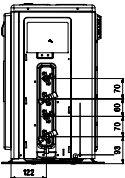
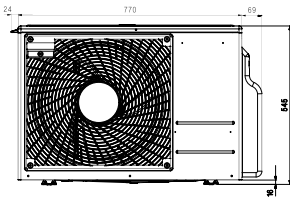
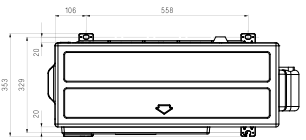
R32 MULTI SPLIT

OUTDOOR UNITS

MU2R15
MU2R17



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



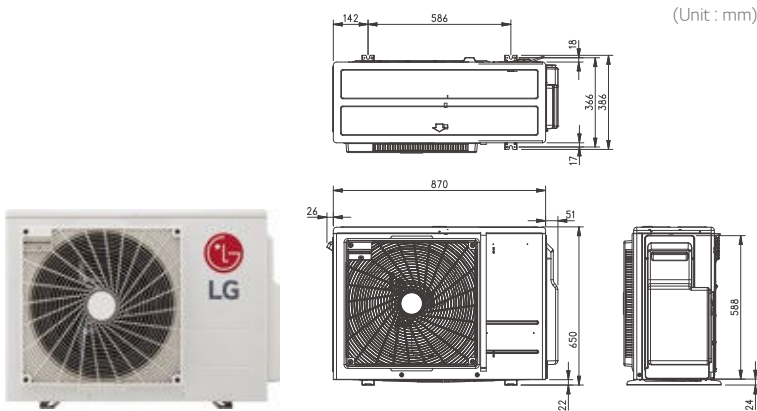
(Unit : mm)

OUTDOOR UNIT				MU2R15.ULO	MU2R17.ULO
Compressor	Type			Twin Rotary	Twin Rotary
	Cooling	Min / Nom / Max	kW	0.9 / 4.1 / 4.7	0.9 / 4.7 / 5.4
Capacity *	Heating	Min / Nom / Max	kW	1.0 / 4.7 / 5.4	1.0 / 5.3 / 5.7
	Heating -7°C	Max	kW	3.3	3.7
Low Temperature Capacity	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
Power Input *	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
Running Current				4.14	3.75
EER				4.38	4.22
COP				8.50	7.80
SEER				4.20	4.20
SCOP				4.10	4.10
Pdesign (@-10°C)				kW	kW
Seasonal Energy Label				Cooling / Heating (A+++ to D Scale)	Cooling / Heating (A+++ to D Scale)
Annual Energy Consumption				169 / 1,367	210 / 1,367
Airflow Rate				Nom m³/min	Nom m³/min
Sound Pressure	Cooling	Nom	dB(A)	48	48
	Heating	Nom	dB(A)	51	51
Sound Power				Cooling Max dB(A)	Cooling Max dB(A)
Dimensions				W x H x D mm	W x H x D mm
Net Weight				Kg	Kg
Refrigerant	Type			R32	R32
	Charge			1.1 Kg	1.1 Kg
	Additional Charge			20 g/m	20 g/m
	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	V, Ø, Hz
Power Supply Cable				No. x mm²	No. x mm²
Transmission Cable				No. x mm²	No. x mm²
Circuit Breaker				A	A
Piping Length Total				m	m
Piping Length per Branch				Max m	Max m
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 :
- 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.
 - * : See page "Combination Table".
 - Due to our policy of innovation some specifications may be changed without notification.
 - At least two indoor units should be connected
 - Minimum combination ratio should be more than 40%.
 - This product contains fluorinated greenhouse gases (R32)

OUTDOOR UNITS

MU3R19
MU3R21
MU4R25



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		m³/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 mm²	3C × 2.5	3C × 2.5	3C × 2.5
Transmission Cable			No. x mm²	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

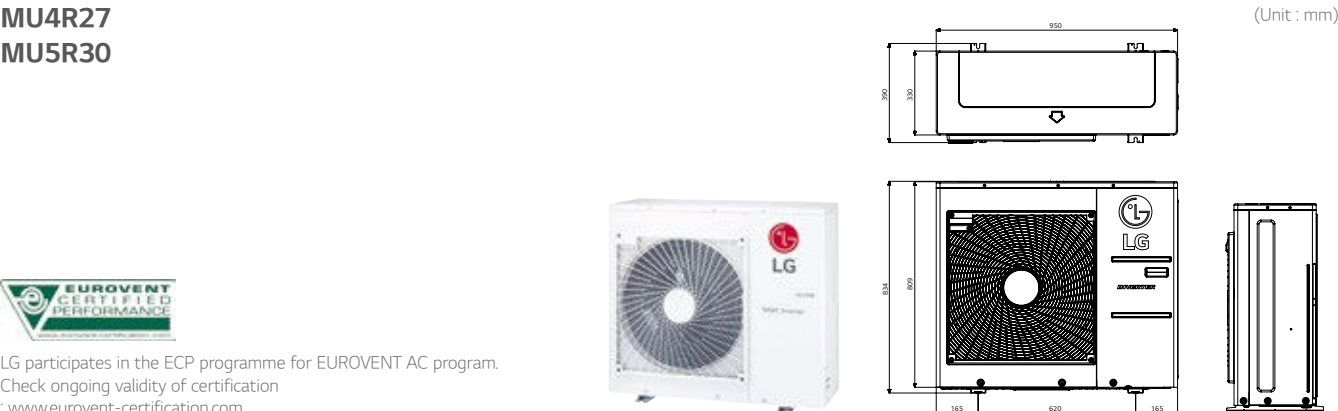
※ This Product is avable from Apr.2020

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



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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		m³/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 × 834 × 330	950 × 834 × 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 mm²	3C × 2.5	3C × 2.5
Transmission Cable			No. x mm²	4C × 0.75	4C × 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) × 4	Ø6.35 (1/4) × 5
	Gas		mm(inch) x No.	Ø9.52 (3/8) × 4	Ø9.52 (3/8) × 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 	-	 AM07BP.NSJ	 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	m³/min	7.7 / 5.9 / 4.4	8.9 / 7.3 / 5.6
Sound Pressure	Cooling	H / M / L	dB(A)	38 / 32 / 27	44 / 38 / 32
Sound Power	Cooling		dB(A)	52	54
Dehumidification Rate			l/h	1.2	1.4
Dimensions	Body	W x H x D	mm	600 x 600 x 145	600 x 600 x 145
Net Weight	Body		kg	15.0	15.0
Piping	Liquid		mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
Connections	Gas		mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)

ARTCOOL 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	m³/min	8.6 / 7.2 / 5.6	9.2 / 7.4 / 5.6	9.6 / 8.1 / 5.6	14.2 / 11.3 / 9.9	15.2 / 12.7 / 10.2
Sound Pressure	Cooling	H / M / L	dB(A)	35 / 32 / 27	36 / 33 / 27	40 / 35 / 27	44 / 38 / 35	46 / 41 / 36
Sound Power	Cooling		dB(A)	57	57	57	59	65
Dehumidification Rate			l/h	0.9	1.1	1.2	1.9	2.6
Dimension		W x H x D	mm	837 x 308 x 192	837 x 308 x 192	837 x 308 x 192	998 x 345 x 212	998 x 345 x 212
Net weight			kg	9.1	9.9	9.9	13.2	11.6
Piping	Liquid		mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
Connection	Gas		mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)

* This product contains Fluorinated greenhouse gases (R32).
※ For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.

WALL MOUNTED 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	
	Air - Purifying 	-	-	 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	m³/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	Liquid		mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
Connection	Gas		mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 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	m³/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	Liquid		mm(inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
Connections	Gas		mm(inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)

* This product contains Fluorinated greenhouse gases (R32).
※ For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.

WALL MOUNTED 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	m³/min	7.5 / 6.1 / 4.9	7.7 / 6.4 / 5.0	8.1 / 6.7 / 5.3	14.2 / 11.3 / 9.9	15.2 / 12.7 / 10.2
Sound Pressure	Cooling	H / M / L	dB(A)	35 / 31 / 26	36 / 32 / 27	38 / 34 / 29	44 / 38 / 34	47 / 41 / 36
Sound Power	Cooling		dB(A)	56	56	56	60	64
Dehumidification Rate			l/h	0.9	1.1	1.2	1.9	2.6
Dimension		W x H x D	mm	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net weight			kg	8.3	8.3	8.3	12.0	12.0
Piping Connection	Liquid		mm(inch)	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	Standard Plus		PM05SPNSJ	PM07SPNSJ	PC09SQ.NSJ	PC12SQ.NSJ	PM15SPNSJ	PC18SQ.NSK	PC24SQ.NSK
			MJ05PC.NSJ	MJ07PC.NSJ	MJ09PC.NSJ	MJ12PC.NSJ	MJ15PC.NSJ	MJ18PC.NSK	MJ24PC.NSK

STANDARD PLUS

				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	m³/min	8.3 / 6.7 / 5.6	8.6 / 7.2 / 5.6	9.2 / 7.4 / 5.6	9.6 / 8.1 / 5.6	100/85/61	142/113/99	152/127/102
Sound Pressure		H / M / L	dB(A)	34 / 31 / 27	35 / 32 / 27	36 / 33 / 27	40 / 35 / 27	41 / 36 / 29	44 / 38 / 35	46 / 41 / 36
Sound Power			dB(A)	57	57	57	57	57	59	65
Dehumidification Rate			l/h	0.9	0.9	1.1	1.2	1.2	1.9	2.6
Dimension		W x H x D	mm	837 x 308 x 189	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	m³/min	8.3 / 6.7 / 5.6	8.6 / 7.2 / 5.6	9.2 / 7.4 / 5.6	9.6 / 8.1 / 5.6	100 / 85 / 61	142 / 113 / 99	152 / 127 / 102
Sound Pressure		H / M / L	dB(A)	34 / 31 / 27	35 / 32 / 27	36 / 33 / 27	40 / 35 / 27	41 / 36 / 29	44 / 38 / 35	46 / 41 / 36
Sound Power			dB(A)	57	57	57	57	57	59	65
Dehumidification Rate			l/h	0.9	0.9	1.1	1.2	1.2	1.9	2.6
Dimension		W x H x D	mm	837 x 308 x 189	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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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
				NEW						
Wall Mounted Unit	Standard2		-				-			

Standard2

				MS07ET.NSJ	S09ET.NSJ	S12ET.NSJ	S18ET.NSJ	S24ET.NSJ
Capacity	Cooling / Heating	Nom	kW	2.1 / 2.3	2.5/ 3.2	3.5/ 3.8	5.0 / 5.8	6.6 / 7.5
Power Input		Nom	W	17	18	19	39	45
Running Current		Nom	A	0.14	0.16	0.17	0.28	0.33
Power Supply			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	m³/min	8.6 / 7.2 / 5.6	9.2 / 7.4 / 5.6	9.6 / 8.1 / 5.6	14.2 / 11.3 / 9.9	15.2 / 12.7 / 10.2
Sound Pressure	Cooling	H / M / L	dB(A)	35 / 32 / 27	36 / 33 / 27	40 / 35 / 27	44 / 38 / 35	46 / 41 / 36
Sound Power	Cooling		dB(A)	57	57	57	59	65
Dehumidification Rate			l/h	0.9	0.9	0.9	0.9	0.9
Dimension		W x H x D	mm	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net weight			kg	8.7	8.7	8.7	11.9	12.7
Piping Connection	Liquid		mm(inch)	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)

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		-	-	-			-	-	-
	4 Way Cassette		NEW					-		

* 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 x 132 x 450	860 x 132 x 450
Net Weight	Body		kg	13.5	13.5
Piping Connection	Liquid		mm(inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
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 x 34 x 500	1,100 x 34 x 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		-	-	-	-	CM18FN10	CM24FN10
	Low Static Pressure		-	-	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

Operation	Cooling													
	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

Operation	Heating													
	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

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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

Operation	Cooling													
	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

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

COMBINATION TABLE



Operation	Combination of Indoor Unit (kBtu/h Class)					Heating						Input(W)		
						Total Capacity								
	Min		Rated		Max									
UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	
1 UNIT	5				5	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
	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	
2 UNIT	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	
		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
	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	

※ 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
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

Operation	Combination of Indoor Unit (kBtu/h Class)					Cooling						Input(W)			
						Total Capacity									
						Min		Rated		Max					
UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max		
1 UNIT	5				5	3,600	1.06	5,000	1.47	6,000	1.76	288	363	571	
	7				7	4,200	1.23	7,000	2.05	8,400	2.46	319	478	645	
	9				9	5,400	1.58	9,000	2.64	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	
	5	5			10	7,200	2.11	10,000	2.93	12,000	3.52	350	532	788	
	5	7			12	7,200	2.11	12,000	3.52	14,400	4.22	350	669	991	
	5	9			14	8,400	2.46	14,000	4.10	16,800	4.92	408	821	1,215	
	7	7			14	8,400	2.46	14,000	4.10	16,800	4.92	408	821	1,215	
	7	9			16	9,600	2.81	16,000	4.69	19,200	5.63	469	991	1,467	
	5	12			17	10,200	2.99	17,000	4.98	20,400	5.98	532	1,083	1,603	
2 UNIT	9	9			18	10,800	3.17	18,000	5.28	21,600	6.33	599	1,182	1,749	
	7	12			19	11,400	3.34	19,000	5.57	22,800	6.68	669	1,290	1,909	
	5	15			20	12,000	3.52	20,000	5.86	24,000	7.03	669	1,406	2,080	
	9	12			21	12,600	3.69	21,000	6.15	24,150	7.08	743	1,530	2,264	
	7	15			22	13,200	3.87	22,000	6.45	25,300	7.42	743	1,638	2,425	
	5	18			23	13,800	4.04	23,000	6.74	26,450	7.75	821	1,752	2,593	
	9	15			24	14,400	4.22	24,000	7.03	27,000	7.91	904	1,871	2,770	
	12	12			24	14,400	4.22	24,000	7.03	27,000	7.91	904	1,871	2,770	
	7	18			25	14,400	4.22	24,000	7.03	27,000	7.91	904	1,871	2,770	
	9	18			27	14,400	4.22	24,000	7.03	27,000	7.91	904	1,871	2,770	
	12	15			27	14,400	4.22	24,000	7.03	27,000	7.91	904	1,871	2,770	
	5	24			29	14,400	4.22	24,000	7.03	27,000	7.91	904	1,871	2,770	
	12	18			30	14,400	4.22	24,000	7.03	27,000	7.91	904	1,871	2,770	
	15	15			30	14,400	4.22	24,000	7.03	27,000	7.91	904	1,871	2,770	
	7	24			31	14,400	4.22	24,000	7.03	27,000	7.91	904	1,871	2,770	
	9	24			33	14,400	4.22	24,000	7.03	27,000	7.91	904	1,871	2,770	
	15	18			33	14,400	4.22	24,000	7.03	27,000	7.91	904	1,871	2,770	
	18	18			36	14,400	4.22	24,000	7.03	27,000	7.91	904	1,871	2,770	
	12	24			36	14,400	4.22	24,000	7.03	27,000	7.91	904	1,871	2,770	
	15	24			39	14,400	4.22	24,000	7.03	27,000	7.91	904	1,871	2,770	
	3 UNIT	5	5	5		15	9,000	2.64	15,000	4.40	18,000	5.28	422	837	1,239
		5	5	7		17	10,200	2.99	17,000	4.98	20,400	5.98	481	1,013	1,500
		5	5	9		19	11,400	3.34	19,000	5.57	22,800	6.68	544	1,212	1,794
		5	7	7		19	11,400	3.34	19,000	5.57	22,800	6.68	544	1,212	1,794
5		7	9		21	12,600	3.69	21,000	6.15	25,200	7.39	682	1,438	2,128	
7		7	7		21	12,600	3.69	21,000	6.15	25,200	7.39	682	1,438	2,128	
5		5	12		22	13,200	3.87	22,000	6.45	26,400	7.74	731	1,540	2,279	
5		9	9		23	13,800	4.04	23,000	6.74	27,600	8.09	731	1,647	2,437	
7		7	9		23	13,800	4.04	23,000	6.74	27,600	8.09	731	1,647	2,437	
5		7	12		24	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
5		5	15		25	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
7		9	9		25	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
5		9	12		26	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
7		7	12		26	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
5		7	15		27	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
9		9	9		27	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
7		9	12		28	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
5		5	18		28	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
5		9	15		29	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
5		12	12		29	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
7		7	15		29	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
5		7	18		30	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
9		9	12		30	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
7		9	15		31	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
7		12	12		31	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
5		12	15		32	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
5		9	18		32	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
7		7	18		32	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
9		9	15		33	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
9		12	12		33	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
7		9	18		34	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
7		12	15		34	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
5		5	24		34	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
5		12	18		35	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
5		15	15		35	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
5		7	24		36	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
9		12	15		36	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
12		12	12		36	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
9		9	18		36	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
7		12	18		37	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
7		15	15		37	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
5		9	24		38	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
5		15	18		38	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
7		7	24		38	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
9		12	18		39	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
9		15	15		39	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	
12		12	15		39	14,400	4.22	24,000	7.03	29,000	8.50	837	1,758	2,603	

COMBINATION TABLE



Operation	Combination of Indoor Unit (kBtu/h Class)					Cooling						Input(W)		
						Total Capacity								
	Min		Rated		Max									
UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	
4 UNIT	5	5	5	5	20	12,000	3.52	20,000	5.86	24,000	7.03	592	1,265	1,872
	5	5	5	7	22	13,200	3.87	22,000	6.45	29,000	8.50	659	1,495	2,212
	5	5	5	9	24	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	5	7	7	24	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	5	7	9	26	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	5	7	7	26	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	5	5	12	27	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	5	9	9	28	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	7	7	9	28	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	7	7	7	7	28	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	5	7	12	29	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	5	5	15	30	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	7	9	9	30	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	7	7	7	9	30	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	5	9	12	31	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	7	7	12	31	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	5	7	15	32	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	7	7	9	9	32	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	9	9	9	32	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	5	5	18	33	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	7	9	12	33	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	7	7	7	12	33	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	5	9	15	34	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	5	12	12	34	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	7	7	15	34	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	7	9	9	9	34	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	5	7	18	35	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	9	9	12	35	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	7	7	9	12	35	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	7	9	15	36	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	5	7	12	12	36	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
	7	7	7	15	36	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603
9	9	9	9	36	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603	
5	5	9	18	37	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603	
5	5	12	15	37	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603	
5	7	7	18	37	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603	
7	9	9	12	37	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603	
5	9	9	15	38	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603	
7	7	9	15	38	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603	
7	7	12	12	38	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603	
5	5	5	24	39	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603	
5	7	9	18	39	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603	
5	7	12	15	39	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603	
9	9	9	12	39	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603	
7	7	7	18	39	14,400	4.22	24,000	7.03	29,000	8.50	731	1,758	2,603	

COMBINATION TABLE



MU4R25

Operation	Combination of Indoor Unit (kBtu/h Class)					Heating						Input(W)		
						Total Capacity								
	Min		Rated		Max		Min	Rated	Max					
UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	
1 UNIT	5				5	4,000	1.17	5,500	1.61	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
	5	12	12		31	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



Operation	Combination of Indoor Unit (kBtu/h Class)					Heating						Input(W)		
						Total Capacity								
						Min		Rated		Max				
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max
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
	5	18			23	13,800	4.04	23,000	6.74	27,600	8.09	879	1,554	2,351
	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	9		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
	7	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
	7	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.

COMBINATION TABLE



Operation	Combination of Indoor Unit (kBtu/h Class)					Heating						Input(W)		
						Total Capacity								
	Min		Rated		Max									
UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	
4 UNIT	5	5	5	5	20	14400	4.22	24,000	7.03	28800	8.44	840	1480	2100
	5	5	5	7	22	15840	4.64	26,400	7.74	31680	9.28	927	1651	2470
	5	5	5	9	24	17280	5.06	28,800	8.44	34560	10.13	1038	1826	2861
	5	5	7	7	24	17280	5.06	28,800	8.44	34560	10.13	1038	1826	2861
	5	5	7	9	26	18000	5.28	30,000	8.79	36000	10.55	1083	1960	3125
	5	7	7	7	26	18000	5.28	30,000	8.79	36000	10.55	1083	1960	3125
	5	5	5	12	27	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	5	9	9	28	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	7	7	9	28	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	7	7	7	7	28	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	5	7	12	29	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	5	5	15	30	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	7	9	9	30	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	7	7	7	9	30	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	5	9	12	31	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	7	7	12	31	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	5	7	15	32	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	7	7	9	9	32	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	9	9	9	32	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	5	5	18	33	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	7	7	9	12	33	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	5	7	12	33	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	5	9	15	34	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	7	12	12	34	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	7	9	7	15	34	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	9	9	9	34	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	5	7	18	35	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	9	9	12	35	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	7	7	9	12	35	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	7	9	15	36	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	7	7	12	12	36	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	9	9	7	15	36	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	9	9	9	36	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	5	9	18	37	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	5	12	15	37	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	7	7	18	37	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	7	9	9	12	37	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	9	9	15	38	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	7	7	9	15	38	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	7	7	12	12	38	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	5	5	24	39	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	7	9	18	39	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	7	12	15	39	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	9	9	9	12	39	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	7	7	7	18	39	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	7	9	9	15	40	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	7	9	12	12	40	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
	5	5	7	24	41	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125
5	9	12	15	41	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125	
5	12	12	12	41	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125	
7	7	12	15	41	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125	
7	7	9	18	41	18600	5.45	31,000	9.09	36000	10.55	1128	2068	3125	

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
	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
2 UNIT	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	5	9			19	11,400	3.34	19,000	5.57	22,800	6.68	672	1,194	1,680
	5	7	7			19	11,400	3.34	19,000	5.57	22,800	6.68	672	1,194	1,680
	7	7	9			21	12,600	3.69	21,000	6.15	25,200	7.39	760	1,338	1,942
	5	5	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	12			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	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



MU5R30

Operation	Combination of Indoor Unit (kBtu/h Class)					Cooling						Input(W)				
						Total Capacity										
	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	5	7	29	17,400	5.10	29,000	8.50	34,800	10.20	993	1,897	3,026	
	5	5	5	5	7	31	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260	
	5	5	5	5	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	5	9	33	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260	
	5	5	5	5	7	33	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260	
	5	5	7	7	7	33	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260	
	5	5	5	5	12	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	5	7	9	35	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260	
	5	5	7	7	9	35	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260	
	5	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	5	9	12	36	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	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	5	7	15	37	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	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	5	7	7	9	9	37	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	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	5	18	38	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	5	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	5	5	15	39	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	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	5	7	7	15	39	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	7	7	9	9	39	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	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	5	7	18	40	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	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	5	7	7	9	12	40	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	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	5	7	7	15	41	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	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	5	9	9	9	9	41	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	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	5	9	18	42	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	5	5	12	15	42	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	5	7	7	18	42	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	7	9	9	12	42	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	7	9	9	12	42	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	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	5	7	7	9	15	43	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	5	7	7	12	12	43	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	7	7	7	15	43	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	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	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	5	24	44	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	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	5	9	9	9	12	44	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	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	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	5	15	15	45	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	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	5	7	9	12	12	45	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	7	7	9	15	45	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	7	7	7	12	12	45	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	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	5	7	24	46	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
	5	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	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	5	12	12	12	46	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260
5	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	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	7	18	46	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260	
5	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	5	7	15	15	47	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260	
5	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	5	9	9	12	12	47	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260	
5	7	7	9	9	15	47	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260	
5	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	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	5	18	15	48	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260	
5	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	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	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	5	7	12	12	12	48	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260	
5	7	7	7	12	15	48	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260	
5	9	9	9	9	12	48	18,000	5.28	30,000	8.79	36,000	10.55	1,037	2,000	3,260	
5	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



Operation	Heating														
	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
	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
	5	7				14	10,080	2.95	16,800	4.92	20,160	5.91	656	1,112	1,571
	5	9				16	11,520	3.38	19,200	5.63	23,040	6.75	749	1,289	1,844
2 UNIT	5	12				17	12,240	3.59	20,400	5.98	24,480	7.17	796	1,392	1,968
	5	9				18	12,960	3.80	21,600	6.33	25,920	7.60	844	1,471	2,094
	5	7				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
	5	12				21	15,120	4.43	25,200	7.39	30,240	8.86	989	1,766	2,568
	5	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
	5	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
	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	
5	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	5	9			23	16,560	4.85	27,600	8.09	33,120	9.71	1,046	1,842	2,767	
5	7	9			24	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	
5	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	
5	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	
5	9	9			27	19,440	5.70	32,400	9.50	38,640	11.32	1,236	2,328	3,602	
5	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	
5	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	
5	9	12			30	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602	
5	7	15			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	
5	7	18			32	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602	
5	9	15			33	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602	
5	12	12			33	20,700	6.07	34,500	10.11	38,640	11.32	1,333	2,566	3,602	
5	7	18			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	
5	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	5		7	24	17,280	5.06	28,800	8.44	34,560	10.13	1,038	1,826	2,861	
5	5	5		9	26	18,720	5.49	31,200	9.14	37,440	10.97	1,128	2,068	3,349	
5	5	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	5		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	
5	7	7		7	28	20,160	5.91	33,600	9.85	38,640	11.32	1,220	2,356	3,524	
5	5	5		12	29	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524	
5	5	5		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	5		9	30	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524	
5	5	5		12	31	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524	
5	5	7		7	31	20,700	6.07	34,500	10.11	38,640	11.32	1,267	2,487	3,524	
5	5	5		7	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	
5	5	5		9	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	5		7	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	5		9	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	
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	
5	5	9		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	
5	7	9		18	42	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	9		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	
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	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	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													

R410A
MULTI SPLIT



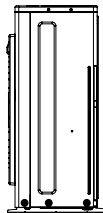
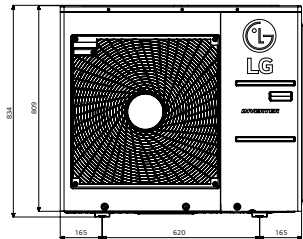
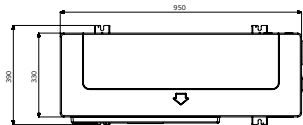
R410A MULTI SPLIT

OUTDOOR UNITS

MU5M40



(Unit : mm)

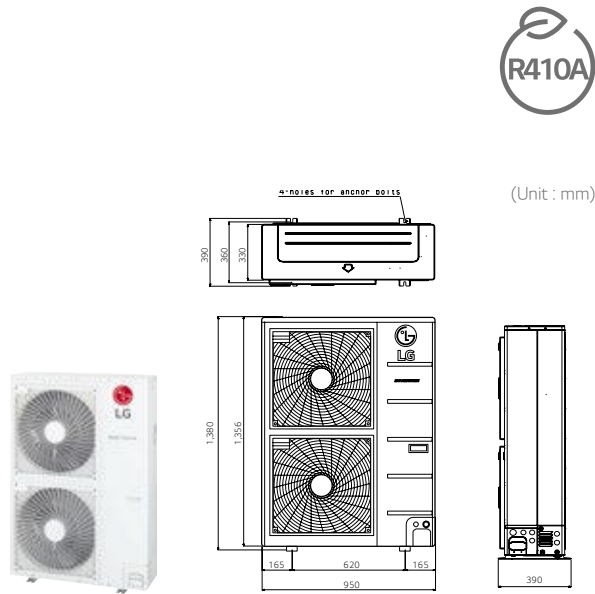


OUTDOOR				MU5M40.U44
Compressor	Type			Scroll
Capacity*	Cooling	Min / Nom / Max	kW	1.3 / 11.2 / 14.7
	Heating	Min / Nom / Max	kW	1.5 / 12.5 / 16.0
Low Temperature Capacity	Heating -7℃	Max	kW	11.0
Power Input*	Cooling	Min / Nom / Max	kW	0.4 / 3.3 / 5.5
	Heating	Min / Nom / Max	kW	0.4 / 3.8 / 5.6
Running 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℃)				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 x 834 x 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 x 3.5
Transmission Cable				No. x mm² 4C x 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			Ø 6.35 (1/4) x 5
	Gas			Ø 9.52 (3/8) x 5

※ For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.
※ This Product is available from Apr.2020
Note : 1. Capacities are based on the following conditions:
Cooling : - Indoor Temperature 27℃ (80.6°F) DB / 19℃ (66.2°F) WB - Outdoor Temperature 35℃ (95°F) DB / 24℃ (75.2°F) WB
Heating : - Indoor Temperature 20℃ (68°F) DB / 15℃ (59°F) WB - Outdoor Temperature 7℃ (44.6°F) DB / 6℃ (42.8°F) WB
Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.
2. * : See page "Combination Table".
3. Due to our policy of innovation some specifications may be changed without notification.
4. At least two indoor units should be connected.
5. Minimum combination capacity rate should be more than 40%.
6. This product contains fluorinated greenhouse gases (R410A)

OUTDOOR UNITS

FM40AH
FM48AH
FM56AH

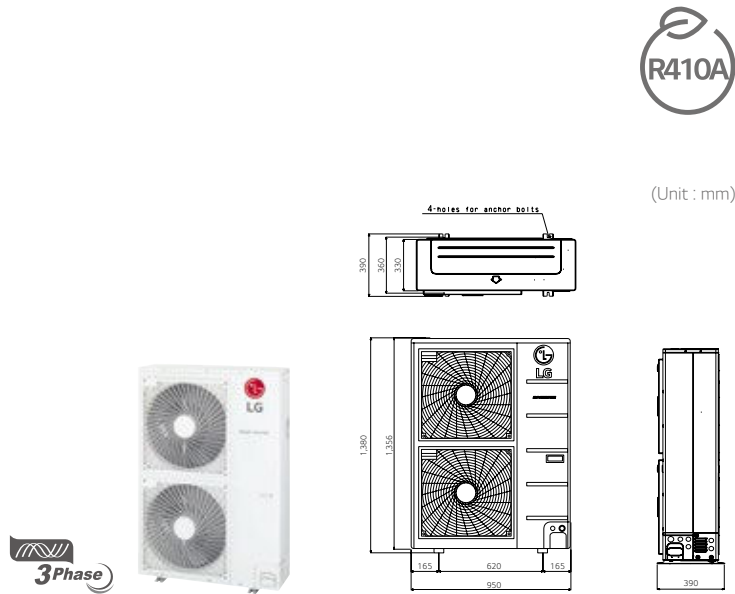


OUTDOOR				FM40AH.U34	FM48AH.U34	FM56AH.U34
Compressor	Type	-		Scroll	Scroll	Scroll
Capacity*	Cooling	Min / Nom / Max	kW	2.8 / 12.3 / 15.4	3.3 / 14.1 / 17.0	4.0 / 15.5 / 18.5
	Heating	Min / Nom / Max	kW	3.1 / 13.5 / 16.2	3.7 / 16.0 / 17.3	4.5 / 17.4 / 18.8
Low Temperature Capacity	Heating	Max	kW	12.5	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°C)			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	m³/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
Net Weight				kg	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 mm²	3C × 4.0	3C × 4.0	3C × 4.0
Transmission Cable	ODU-BD	No. x mm²		4C × 1.25	4C × 1.25	4C × 1.25
	BD-IDU	No. x mm²		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

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※ 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

FM41AH
FM49AH
FM57AH



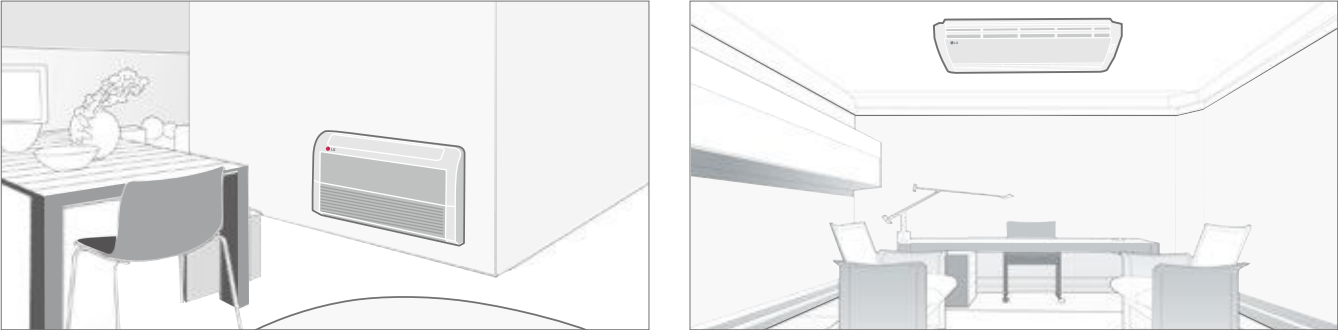
OUTDOOR				FM41AH.U34	FM49AH.U34	FM57AH.U34
Compressor	Type	-		Scroll	Scroll	Scroll
Capacity*	Cooling	Min / Nom / Max	kW	2.8 / 12.3 / 15.4	3.3 / 14.1 / 17.0	4.0 / 15.5 / 18.5
	Heating	Min / Nom / Max	kW	3.1 / 13.5 / 16.2	3.7 / 16.0 / 17.3	4.5 / 17.4 / 18.8
Low Temperature Capacity	Heating	Max	kW	12.5	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°C)			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	m³/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 mm²	5C × 2.5	5C × 2.5	5C × 2.5
Transmission Cable	ODU-BD	No. x mm²		4C × 1.25	4C × 1.25	4C × 1.25
	BD-IDU	No. x mm²		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

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※ 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

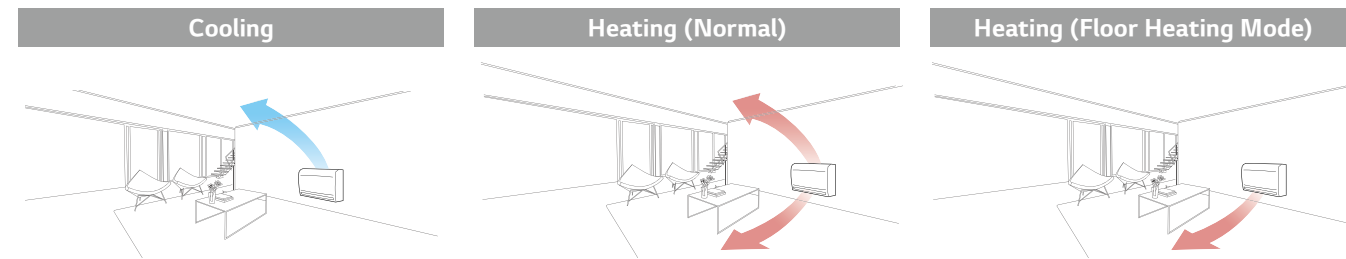
INDOOR				CV09.NE2	CV12.NE2
Capacity	Cooling / Heating	Nom	kW	2.6 / 2.9	3.5 / 3.9
Power Input		Nom	W	30	40
Running Current		Nom	A	0.4	0.4
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50
Air Flow Rate		H / M / L	m³/min	7.6 / 6.9 / 6.2	9.2 / 7.6 / 6.6
Sound Pressure	Cooling	H / M / L	dB(A)	38 / 35 / 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 x 490 x 200	900 x 490 x 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

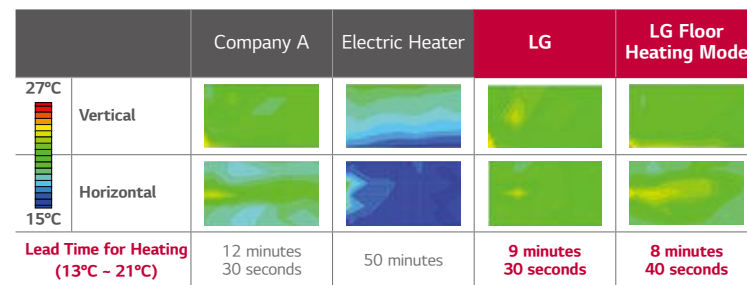
Optimised Air Flow for Cooling & Heating

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 and help to reach the desired temperature quickly.



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

5-Step Vane Control

There are 5 different stages to control air flow direction.



CONSOLE

CAPACITY (KW)		2.6	3.5	5.3
Console		CQ09.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	Liquid		mm(inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
Connection	Gas		mm(inch)	Ø9.52 (3/8)	Ø12.7 (1/2)

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

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

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

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

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

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

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

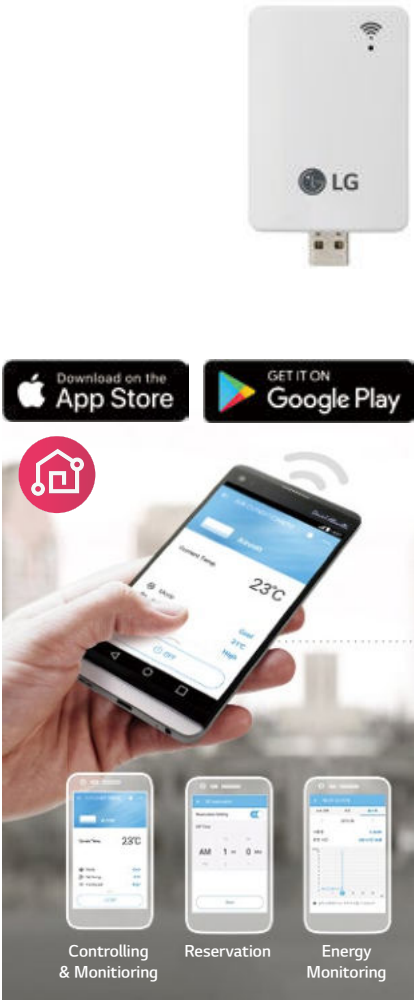
PWFMDD200

Features

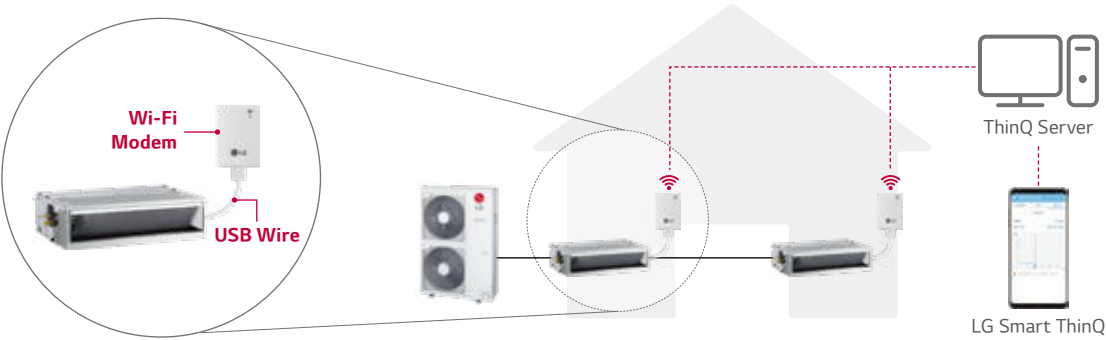
- Access LG air conditioner anytime and from anywhere with Wi-Fi equipped device
- LG's exclusive Home Appliances control app(SmartThinQ) is available
- Simple operation for various functions
 - On/Off
 - Fan Speed
 - Energy Monitoring ¹⁾
 - Operation Mode
 - Vane Control ²⁾
 - Filter Management
 - Current/Set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



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



PREMTBB10

Standard II



PREMTB001



PREMTBB01

※ Refer to each model PDB for applicable models.

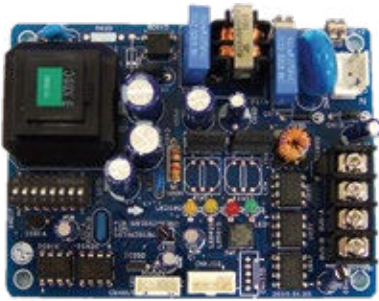
Remote Controller



PQWRHQ0FDB

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	•	•

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 / Thermo 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



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 x 143 x 252 (11.9 x 5.6 x 9.9)	302 x 143 x 252 (11.9 x 5.6 x 9.9)	302 x 143 x 252 (11.9 x 5.6 x 9.9)
Net Weight	kg/lb		4.8 / 10.6	4.9 / 10.8	5 / 11
Piping Connection (To Outdoor Unit)	Liquid	mm(inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52(3/8)
	Gas	mm(inch)	Ø19.05 (3/4)	Ø19.05 (3/4)	Ø19.05(3/4)
Piping Connection (To Indoor Unit)	Liquid	mm(inch)	Ø6.35 (1/4) × 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

※ For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.
Note : 1. The piping connection must be suit the piping sizes of the indoor unit which will be connected. (If need, use the connector which is included in the indoor unit)
2. The BD should be installed inside the building.

ACCESSORIES

Y Branch and Branch Kit

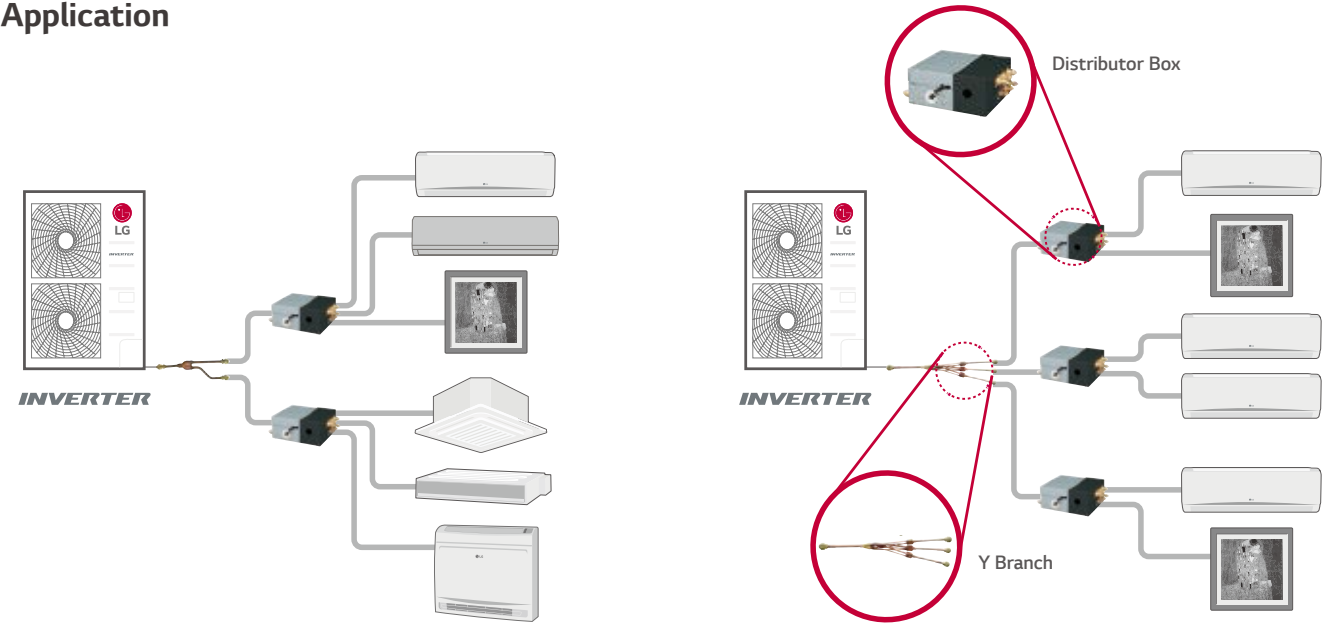
PMBL5620 (2 units) / PMBL1203F0 (3 units)



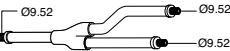
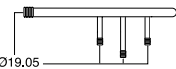
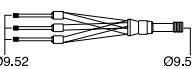
Features

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

Application



Accessory Model Name

MODEL NAME	NO. OF BRANCH DISTRIBUTION UNITS	APPLICABLE MODEL	SPECIFICATION	
			GAS	LIQUID
PMBL5620	2 Units	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																										
12	3.4																										
18	5.0																										
24	6.8																										
30	8.0																										
36	9.5																										
42	12.0																										
48	13.4																										
60	14.6																										
70	20.0																										
85	25.0																										

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 NAO	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						●	●	●	●
	Corrosion 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 Ceiling Mounted cassette (840 x 840), Ceiling 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						●	●	●	●				
	Corrosion 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 Ceiling Mounted cassette (840 x 840), Ceiling 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



* Based on maximum operation

High Performance


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


Powerful cooling & heating
under harsh conditions*


Maximum pipe length up
to 85m


Comfort heating with
floor sensor
(with premium panel)


Embedded Drain Pump


Connection with AHU

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

Application : Large restaurant & cafes Solution : Standard Inverter



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

Wide commercial applications


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


Maximum pipe length up
to 85m

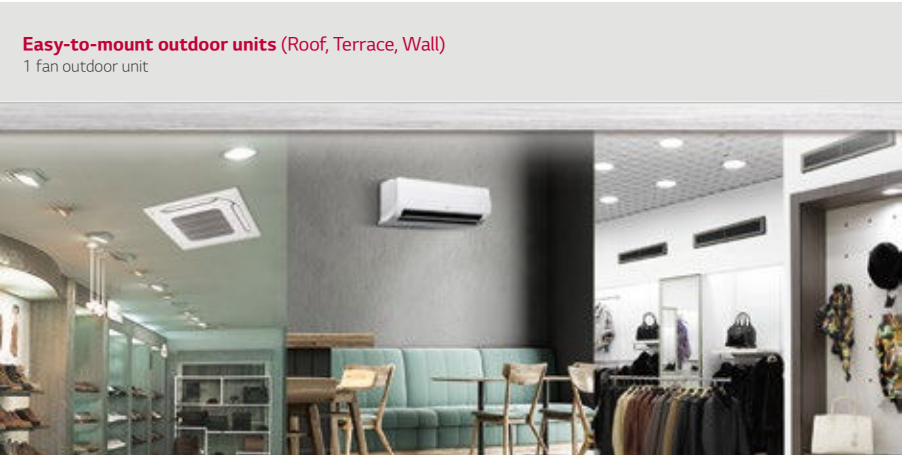

Synchro Function over
36k Model (Max. 4 IDUs)


Connection with AHU


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

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

Application : Small shops Solution : Compact Inverter



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

Compact & Cost Effective


Very compact and
easy to install


Maximum pipe length
up to 50m


Connection with AHU

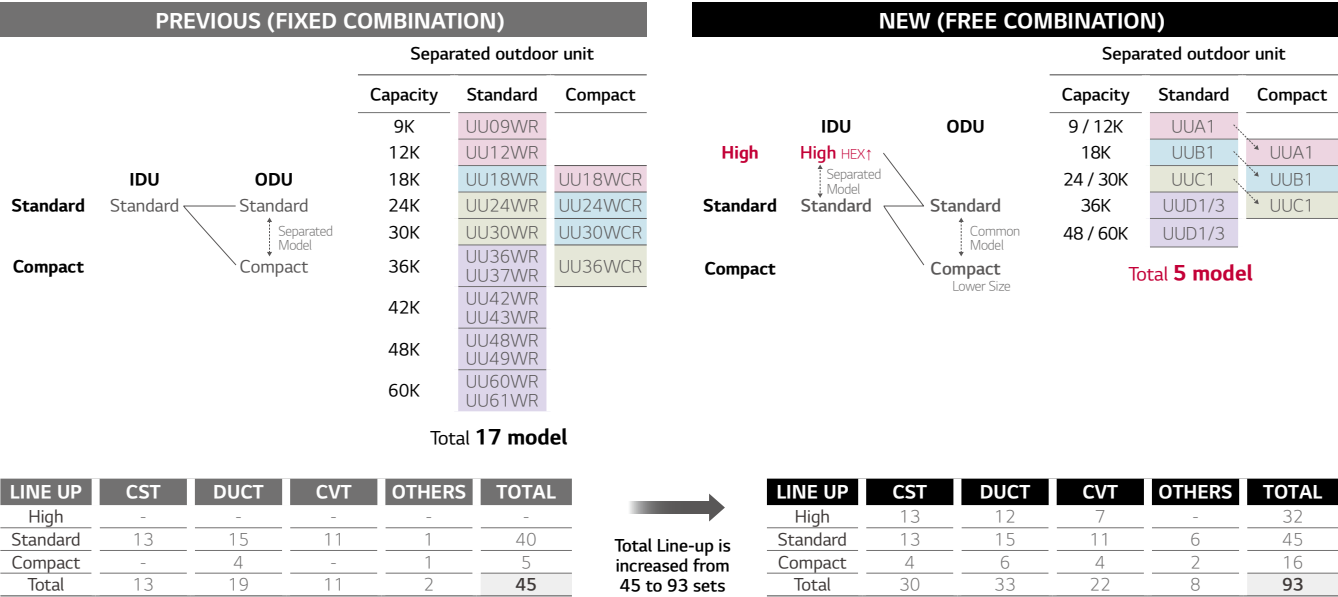

On-demand accessories*
Wi-Fi, Drain pump,
human detection

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

WHY LG SINGLE SPLIT?

Free Combination

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



Expanded Product Type

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

CAPACITY		H-INVERTER (R32)				STANDARD INVERTER (R32)				COMPACT INVERTER (R32)					
Btu/h	kW	Cassette	Duct		Ceiling Suspended	Cassette	Duct		Ceiling Suspended	Console / Wall Mounted	Cassette	Duct		Ceiling Suspended	Wall Mounted
			Mid Static	Low Static			Mid Static	Low Static				Mid Static	Low Static		
															
9k	2.5	UT09FH			NEW!	CT09F			CL09F		NEW!				
12k	3.4	UT12FH	UM12FH	UL12FH		CT12F			CL12F						
18k	5.0	UT18FH	UM18FH	UL18FH	UV18FH	CT18F	CM18F	CL18F	UV18F	UQ18F	NEW!	CT18F	CM18F	CL18F	UV18F
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
36k	9.5	UT36FH	UM36FH		UV36FH	UT36F	UM36F		UV36F	US36F		UT36F	UM36F		UV36F
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

770 × 545 × 288

UUB1

870 × 650 × 330

UUC1

950 × 834 × 330

UUD1 (1Ø)
UUD3 (3Ø)

950 × 1380 × 330

Differentiated Specification

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

Items		H-INVERTER	STANDARD	COMPACT	19Y Standard (R32)
		High Performance	Wide commercial applications	Compact & Cost Effective	
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 A++	6.8 A++	7.6 A++	8.5 A+++	7.8 A++	7.6 A++	7.6 A++
SCOP	4.0 A+	4.0 A+	4.4 A+	4.8 A++	4.8 A++	4.5 A+	4.4 A+

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

European Energy Labeling

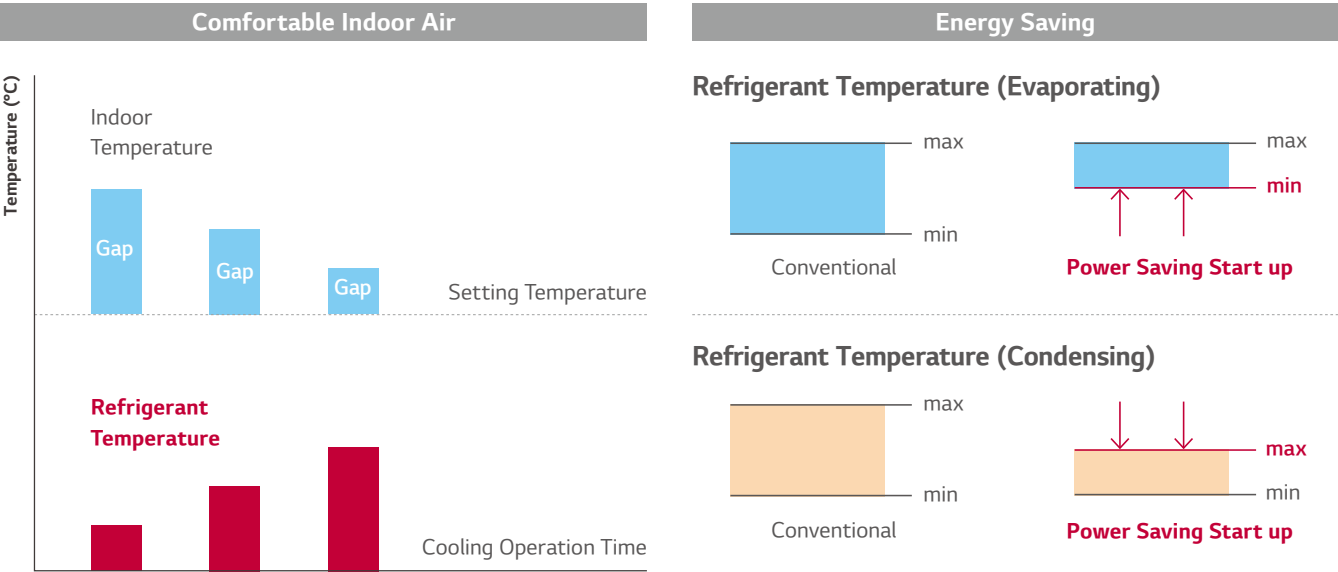
	SEER	SCOP
A+++	SEER ≥ 8.5	SCOP ≥ 5.1
A++	6.1 ≤ SEER < 8.5	4.6 ≤ SCOP < 5.1
A+	5.6 ≤ SEER < 6.1	4.0 ≤ SCOP < 4.6
A	5.1 ≤ SEER < 5.6	3.4 ≤ SCOP < 4.0
B	4.6 ≤ SEER < 5.1	3.1 ≤ SCOP < 3.4
C	4.1 ≤ SEER < 4.6	2.8 ≤ SCOP < 3.1
D	3.6 ≤ SEER < 4.1	2.5 ≤ SCOP < 2.8

* Based on Ceiling Cassette (6.8 kW)

SUPREME ENERGY EFFICIENCY

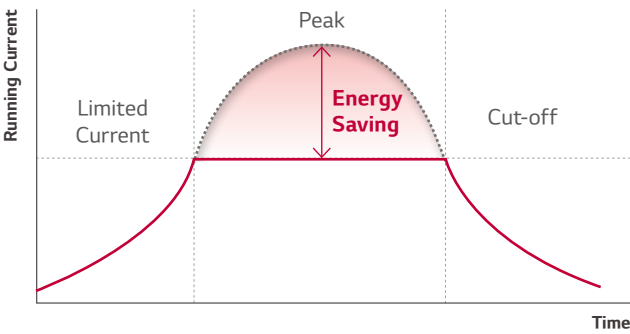
Energy Savings

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.



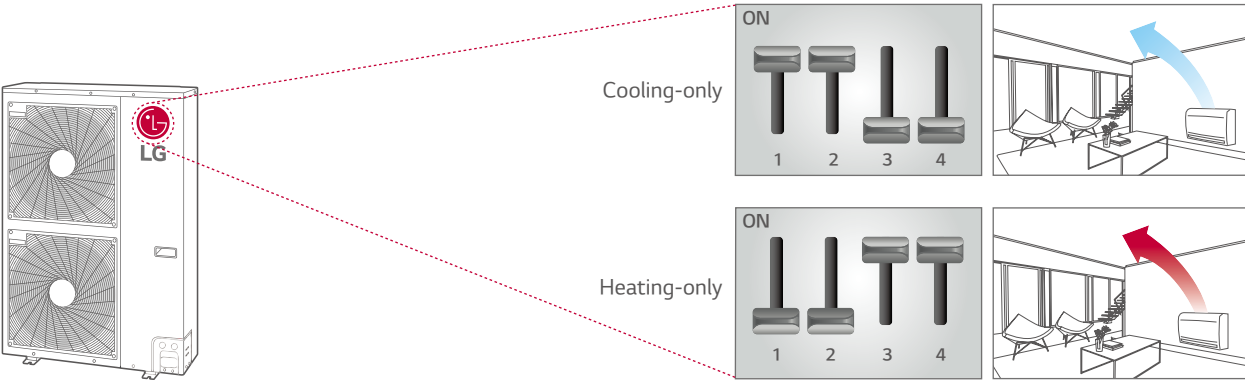
Peak Current Control

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)



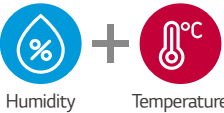
COMFORTABLE ENVIRONMENT

Comfort with Temperature & Humidity Sensors

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



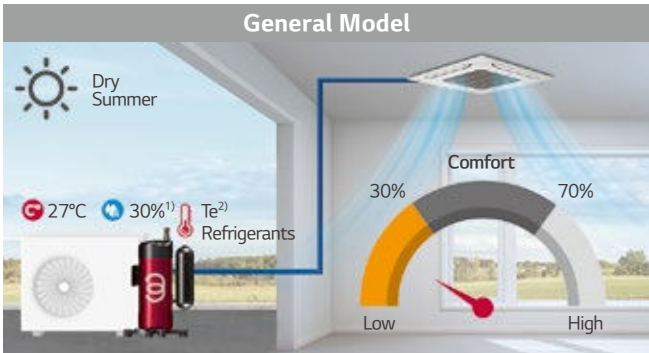
By sensing both temperature and humidity, this feature helps avoid over-cooling and dehumidification, maximizing comfort



※ 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

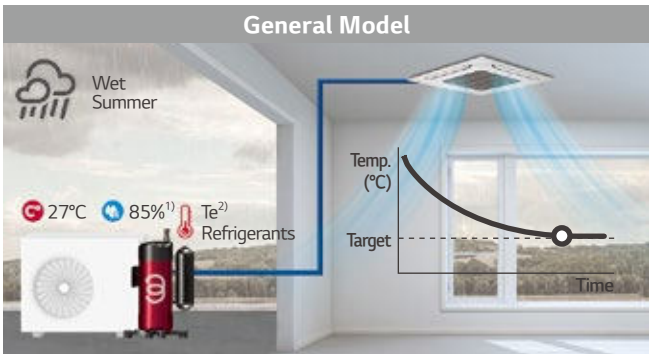
During a dry summer season, the system senses the low humidity levels and decreases the operating ratio to increase humidity for a more comfortable environment and energy efficient operation.



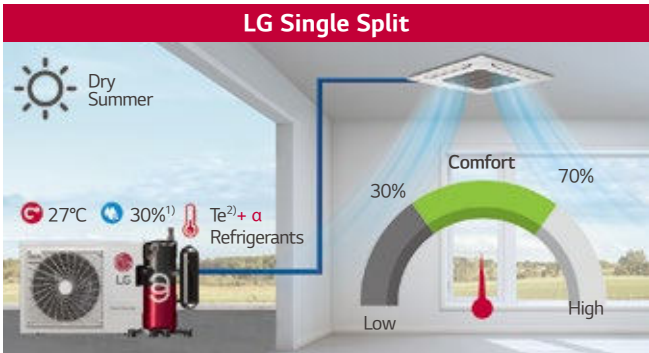
- **Uncomfortable Environment**
Excessive latent heat elimination regardless of humidity
- **Waste Energy**
Eliminate latent heat unnecessarily

Wet Summer

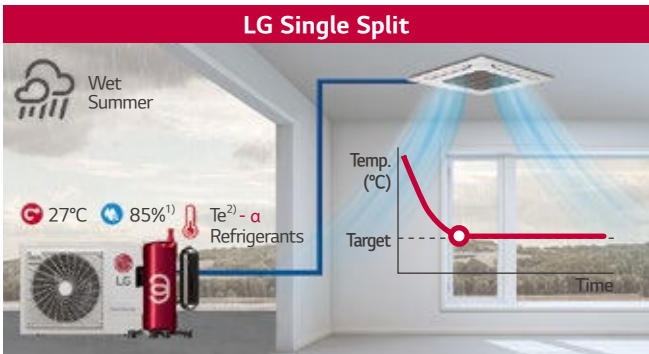
During a wet summer season, the system senses the high humidity levels and increases the operating ratio to rapidly decrease humidity for a more comfortable indoor environment.



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



- **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



- **Comfortable Environment**
Quick latent heat elimination with humidity sensors
1) Indoor Condition 2) Evaporation Temperature

COMFORTABLE ENVIRONMENT

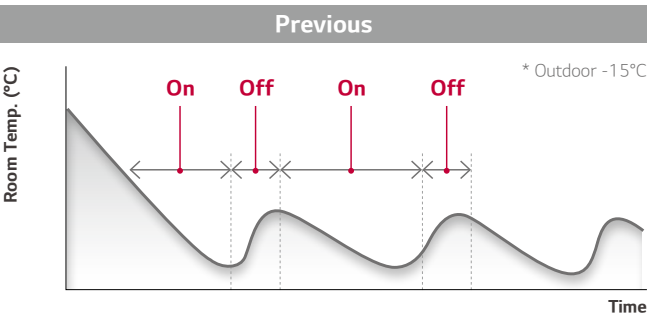
Night Silent Operation

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

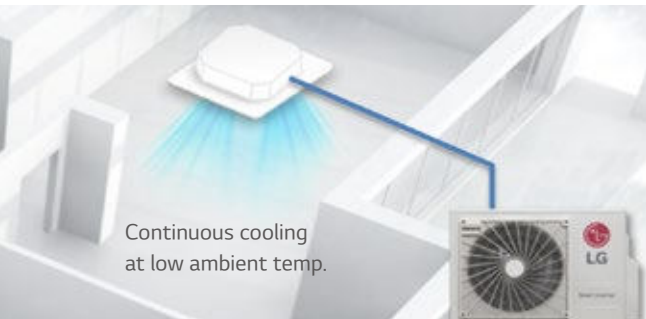
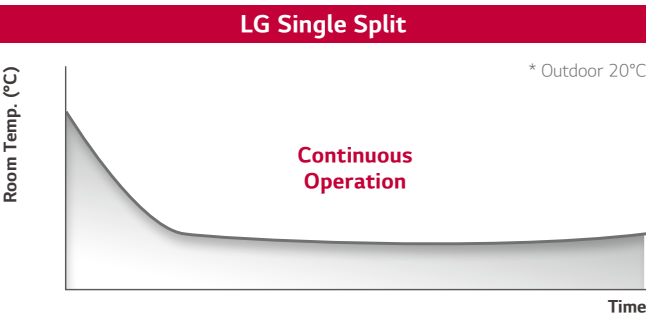


Continuous Cooling Operation

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



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



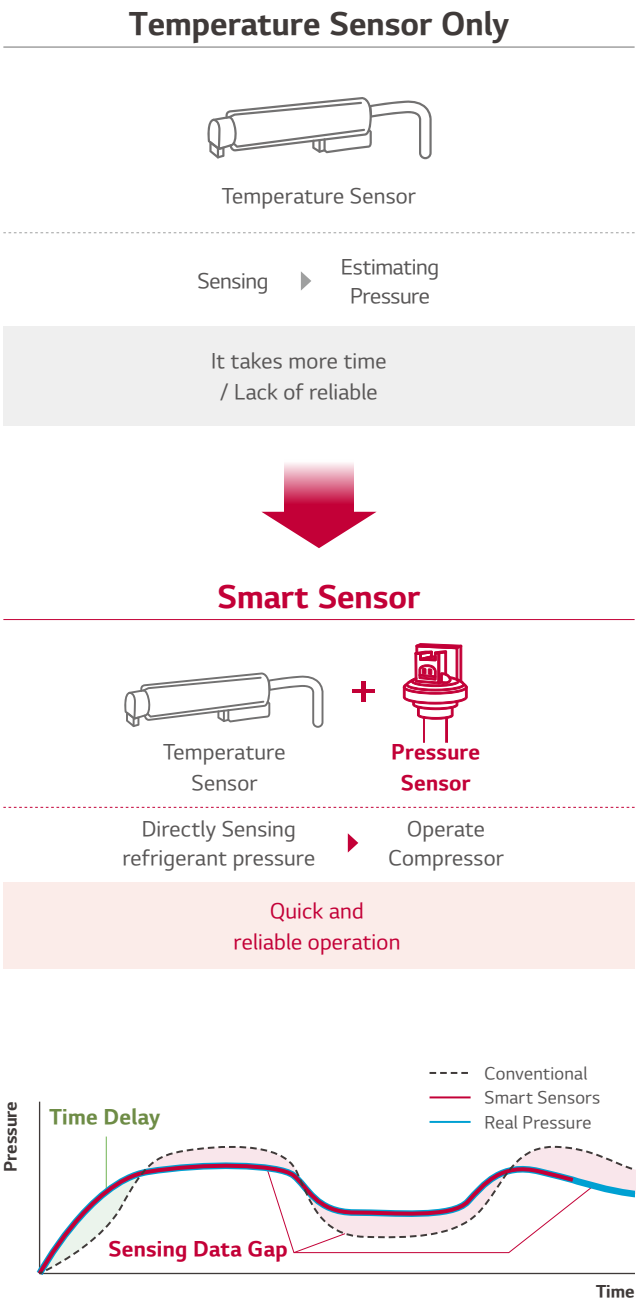
* Based on a stand 36k model (after 2019)

HIGH PERFORMANCE & RELIABILITY

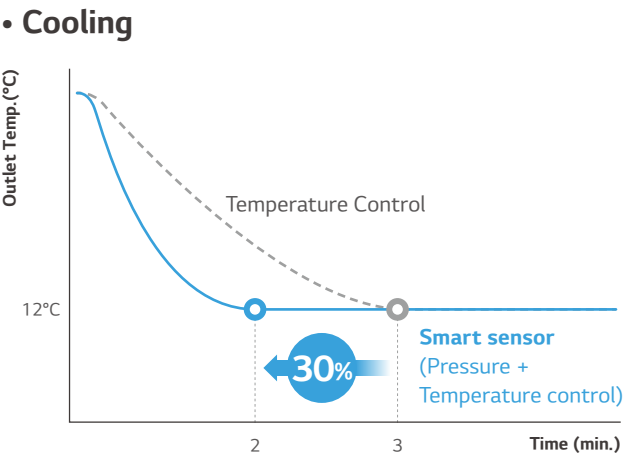
Quick & Reliable Operation

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

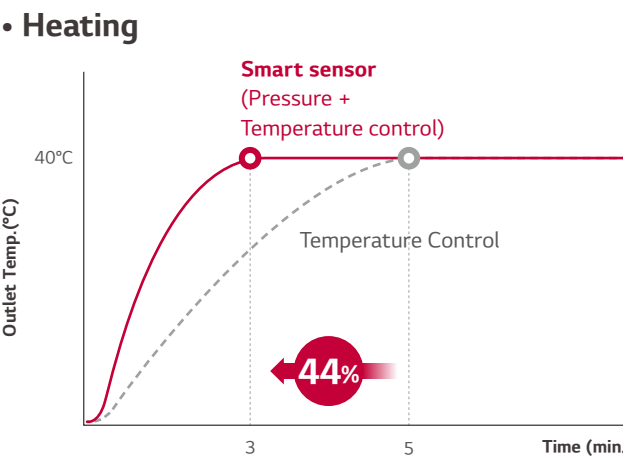
- Quick response due to sensing with ready for operation.
- Target performance point is reached while avoiding compressor damage from liquid compression or oil shortage.



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



※ Based on internal test data

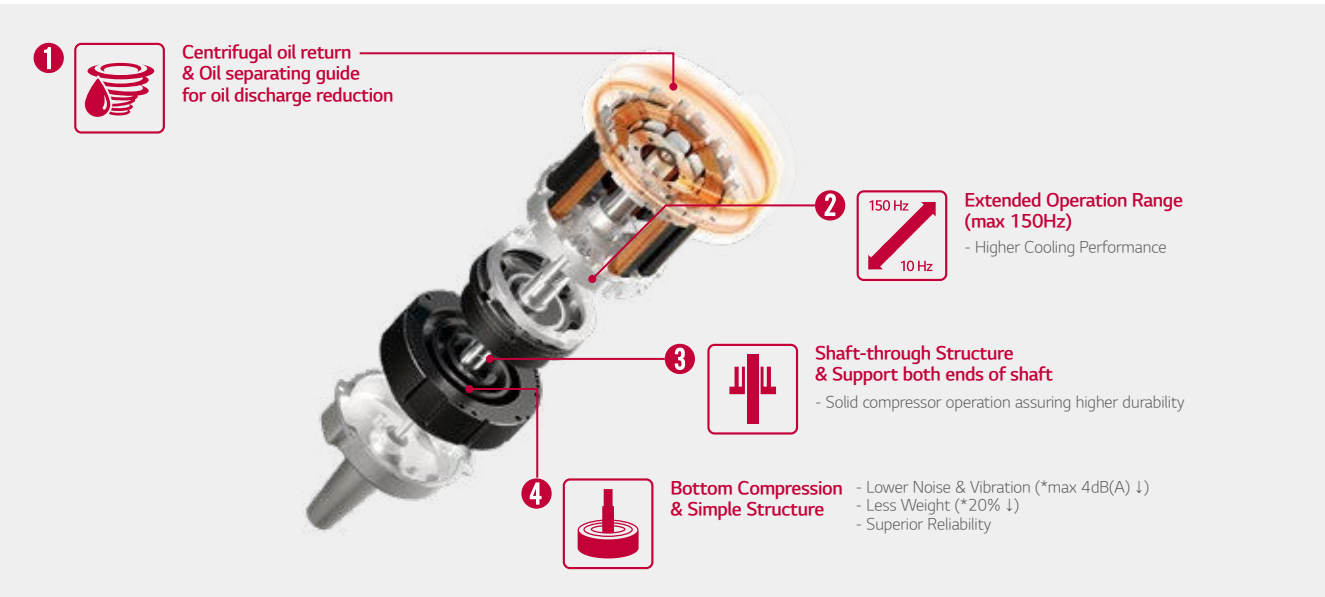


※ Based on internal test data

HIGH PERFORMANCE & RELIABILITY

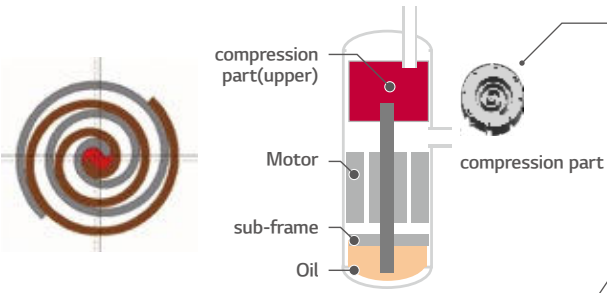
R1 Compressor™

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.

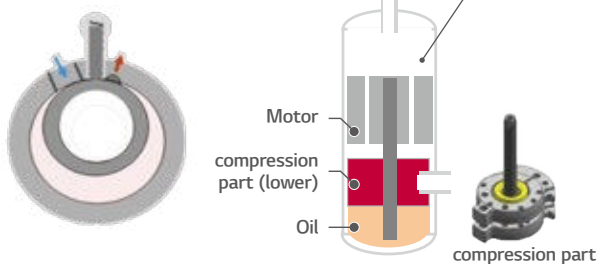


Conventional Compressor

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)

Motor

Compression parts (upper → lower)

Scroll penetrated by shaft → remove tilting moment

Simple structure : without sub-frame

Oil feeding structure better than previous scroll

Oil

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

HIGH PERFORMANCE & RELIABILITY

Corrosion Resistance Black Fin

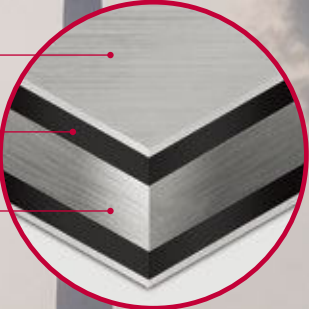
The black coating with enhanced epoxy resin is applied for strong protection from various corrosive external conditions such as salt contamination and air pollution including fumes from factories.

Longer Lifespan, Lower Maintenance Costs

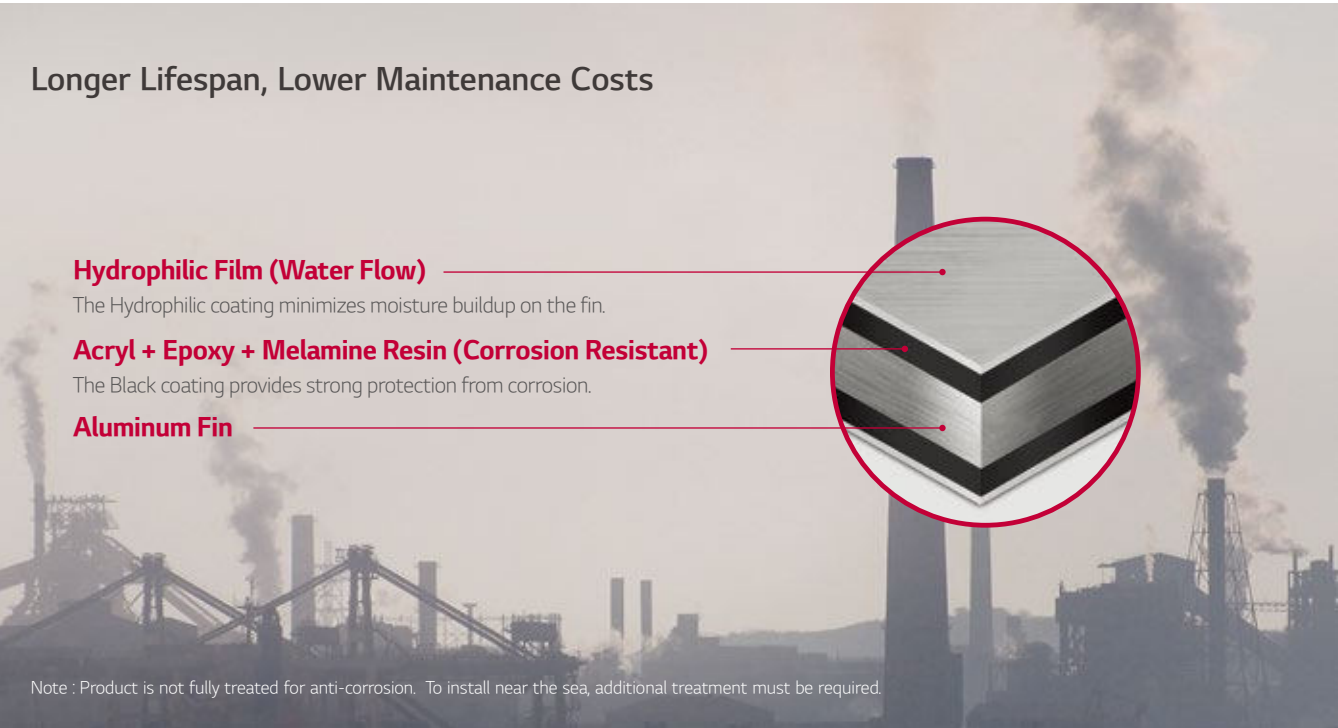
Hydrophilic Film (Water Flow)
The Hydrophilic coating minimizes moisture buildup on the fin.

Acryl + Epoxy + Melamine Resin (Corrosion Resistant)
The Black coating provides strong protection from corrosion.

Aluminum Fin

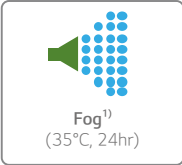


Note : Product is not fully treated for anti-corrosion. To install near the sea, additional treatment must be required.



SST (Salt Spray Test)

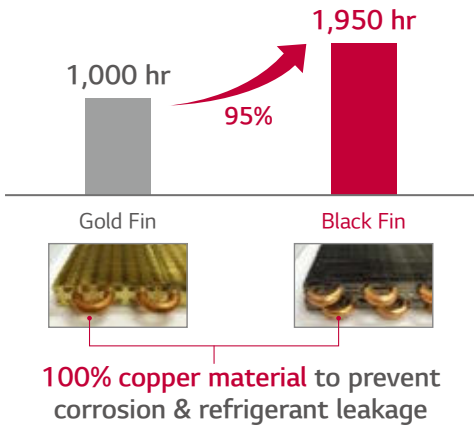
Test Process



× Process repeated

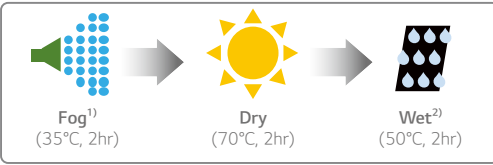
Test process is conducted according to ISO 9227.
1) Salty water concentration : NaCl aqueous solution (5%)

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



CCT (Cyclic Corrosion Test)

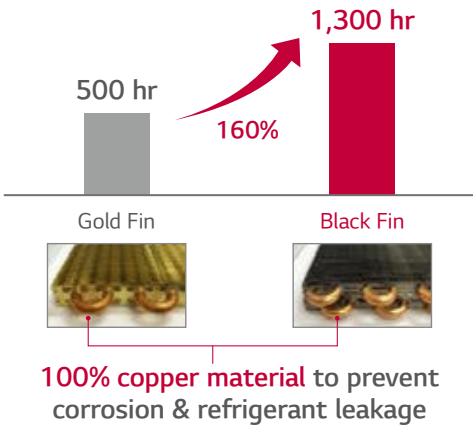
Test Process



× Process Repeated

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

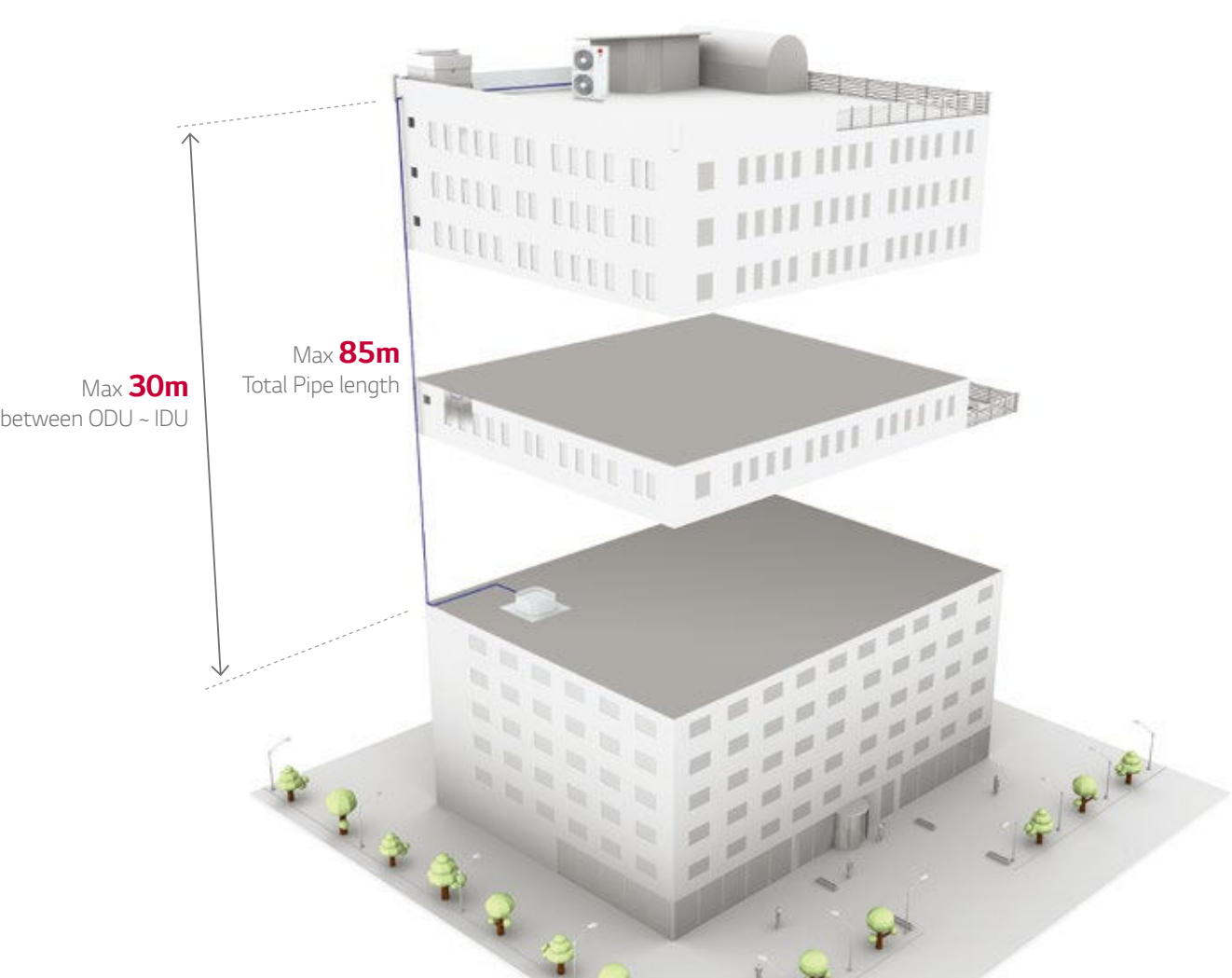
Test Result (5% Area of defects compared to initial)



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.

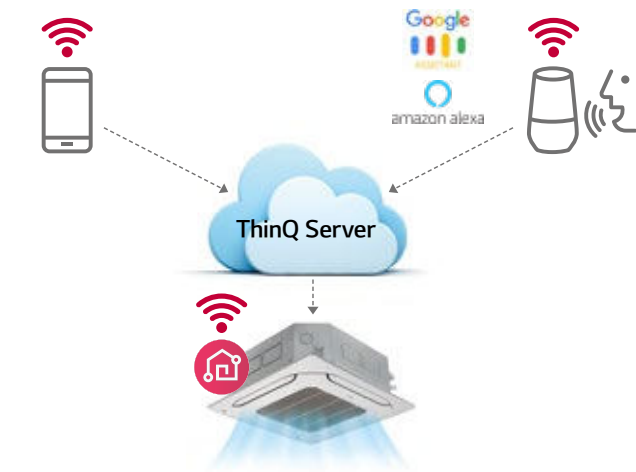


Controlling & Monitoring

Reservation

Energy Monitoring

Access your air conditioner anytime and from anywhere



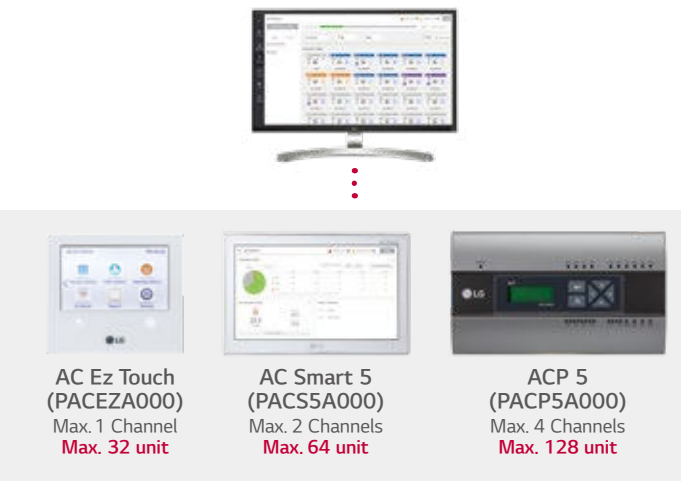
Simple operation for various functions

- 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

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

Easy Control (Central Controller)

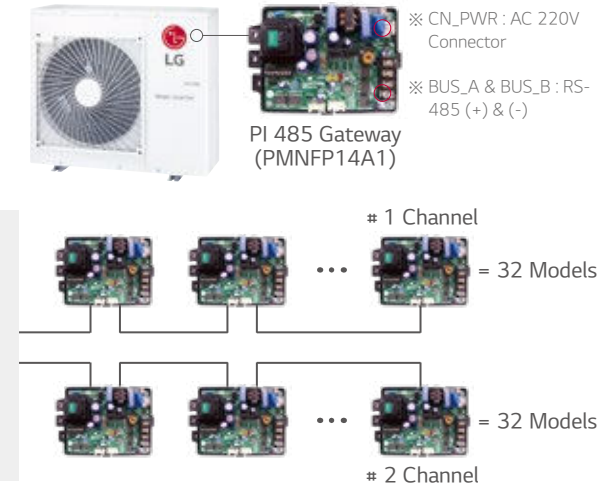
PI-485 is a gateway device that provides communication between LG Outdoor Units and LG central controllers such as ACP, AC Smart.



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

AC Smart 5 (PACSSA000)
Max. 2 Channels
Max. 64 unit

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



PI 485 Gateway (PMNFP14A1)

※ CN_PWR : AC 220V Connector
※ BUS_A & BUS_B : RS-485 (+) & (-)

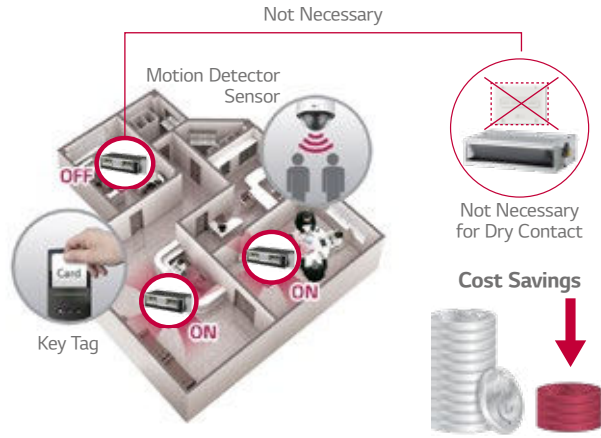
1 Channel = 32 Models
2 Channel = 32 Models

CONVENIENT CONTROL SYSTEM

1 Point External Input (On / Off Control)

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

Connection between an indoor unit and external devices directly



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

Mobile LGMV

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

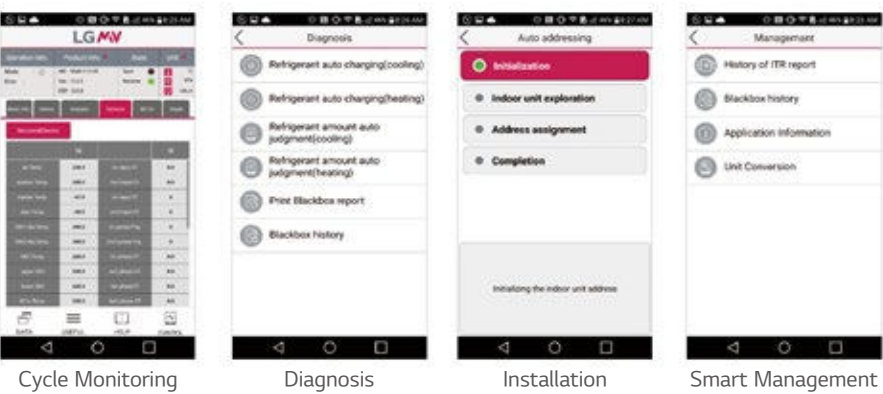


Install / SVC Engineer

Mobile LGMV

Wi-Fi

Wi-Fi MV Module



Cycle Monitoring

Diagnosis

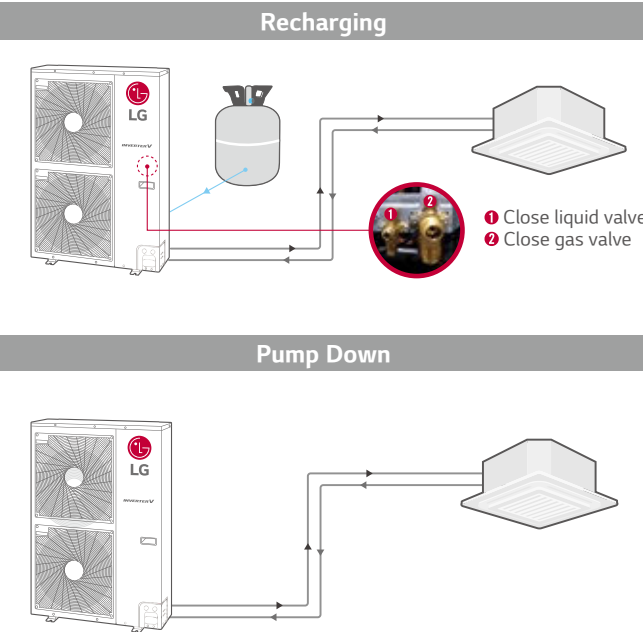
Installation

Smart Management

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

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.



Error Indicator

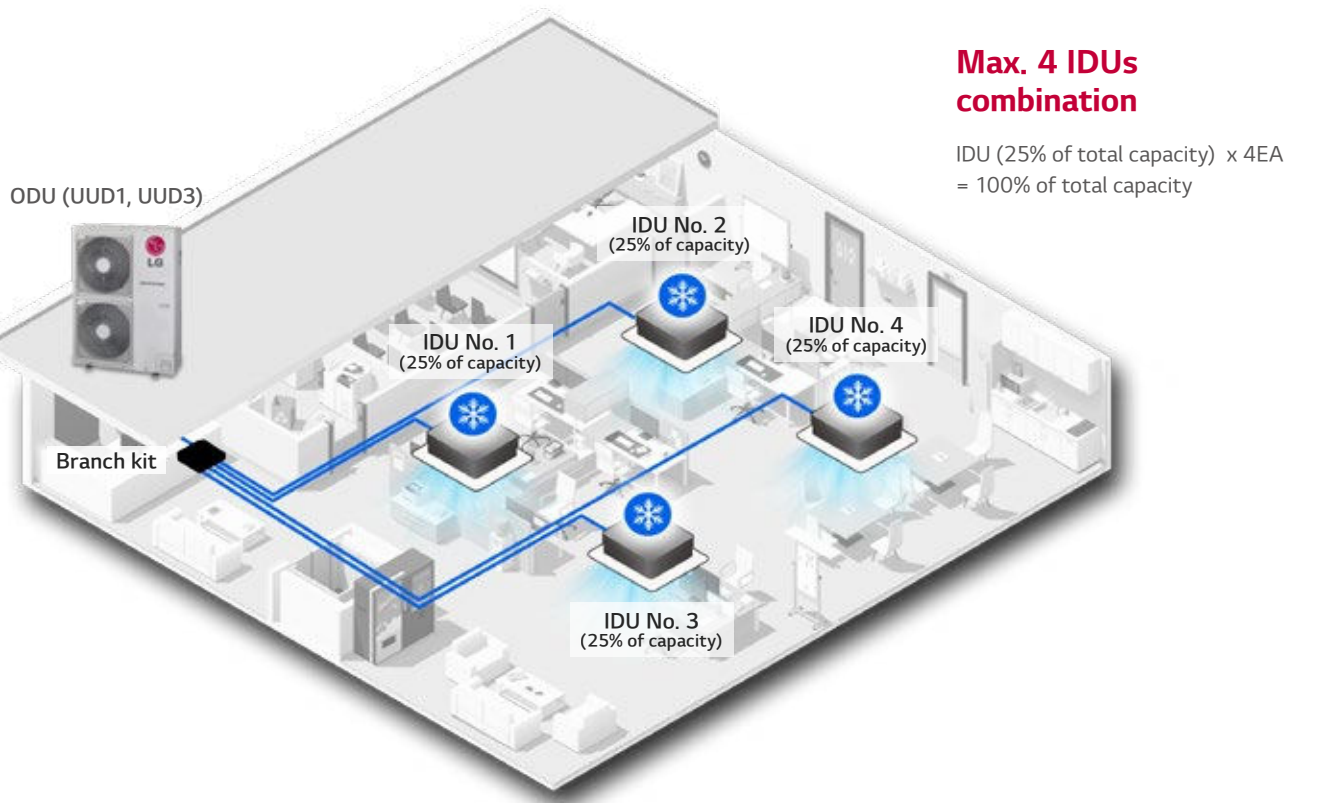
	Contents
01	Air temperature sensor of indoor unit
02	Inlet pipe temperature sensor of indoor unit
03	Communication error : Wired Remote Controller ↔ Indoor Unit
...	...

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

ENHANCED APPLICATION

Synchro function

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



※ Combination table

Model	Duo		Trio		Quartet	
	Cassette	Duct	Cassette	Duct	Cassette	duct
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						

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.

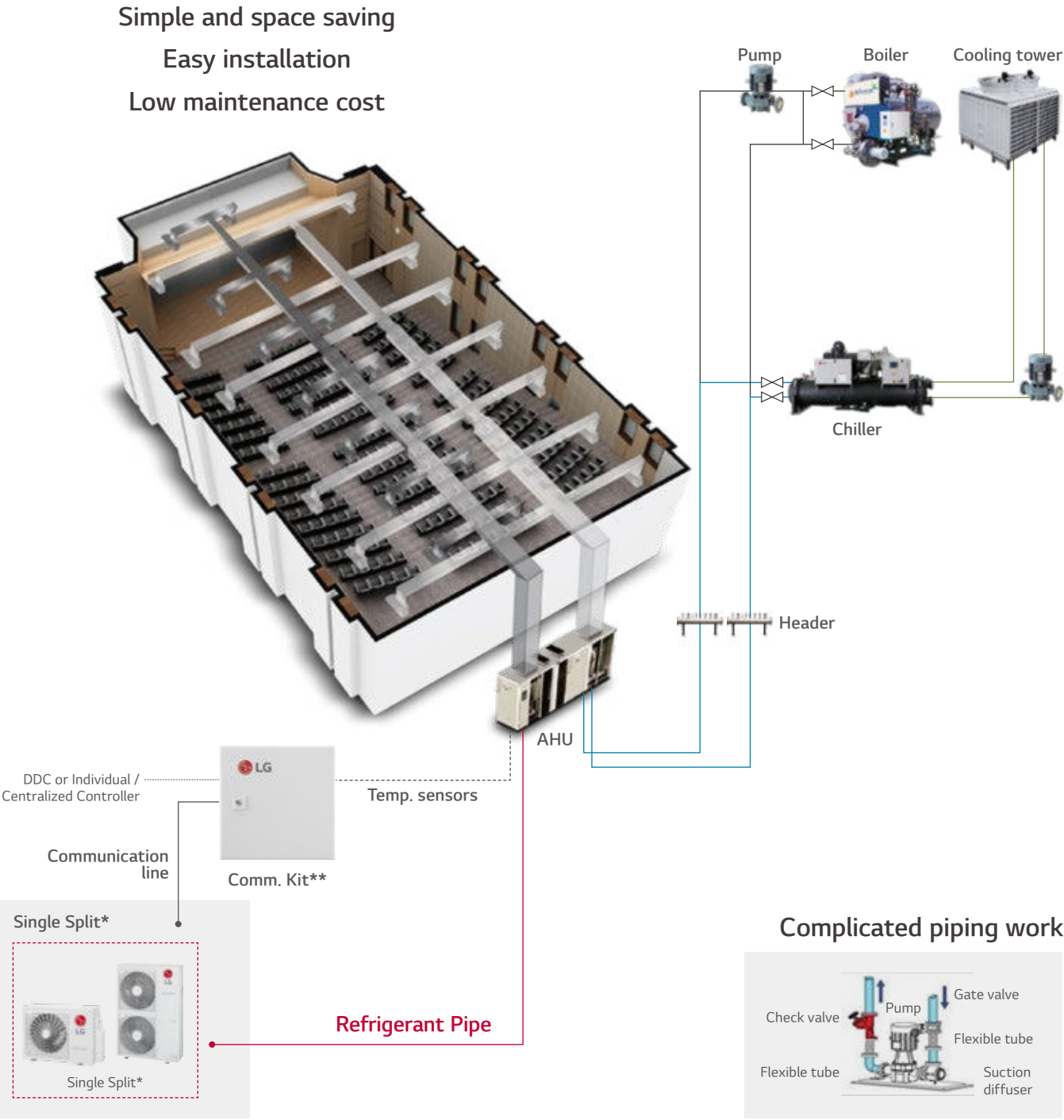
ENHANCED APPLICATION

Connection with AHU

Single split can be connected to AHU using communication kit.

SIMPLE

COMPLICATED



* 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



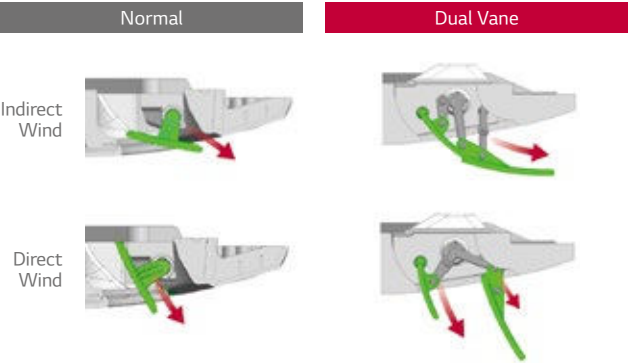
NEW DESIGN

4-way air flow with new dual vane design

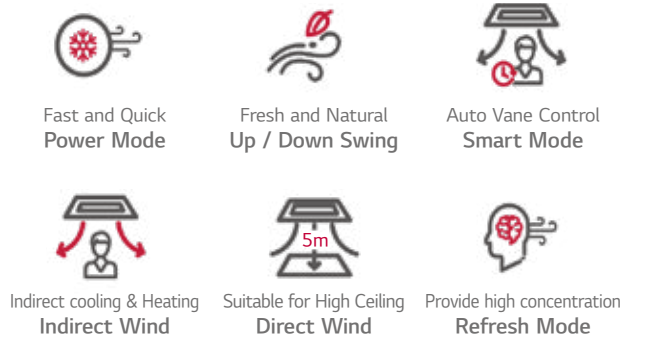
Innovative dual vane designs each of the best airflow over various spaces.



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) ↓

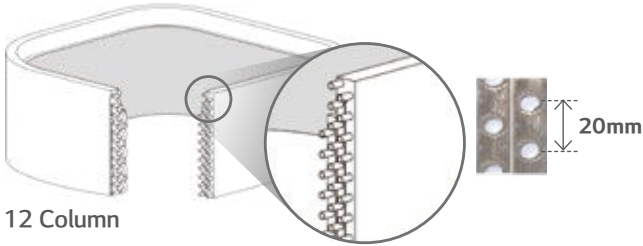


Improved outlet flow rate

High Efficiency Heat Exchanger (HEX)

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

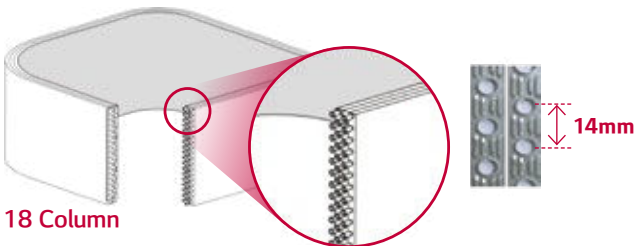
Normal HEX



12 Column

Tube Column	12 Column
Fin per Inch	21

High Efficient Ø5 HEX



18 Column

Tube Column	18 Column
Fin per Inch	22

※This specification can be different as per each model.

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

IDU Temperature

Calculate Room Temperature

Floor Temperature



※ 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.



No touch
Indirect airflow
Comfort

Follow user Direct

Prefer air flow to heading to user by sensing.

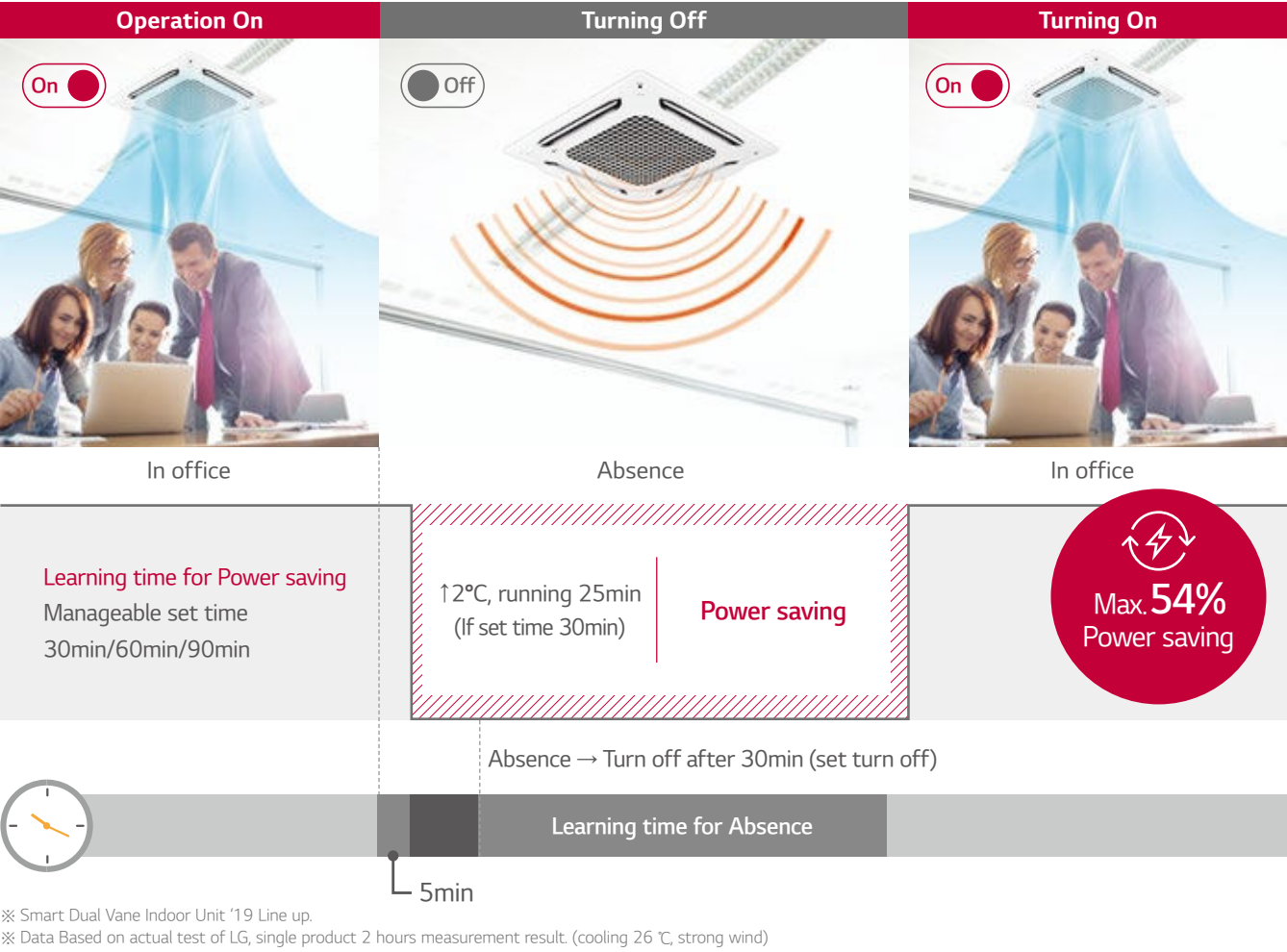


Direct airflow
2°C
Cooler

SMART

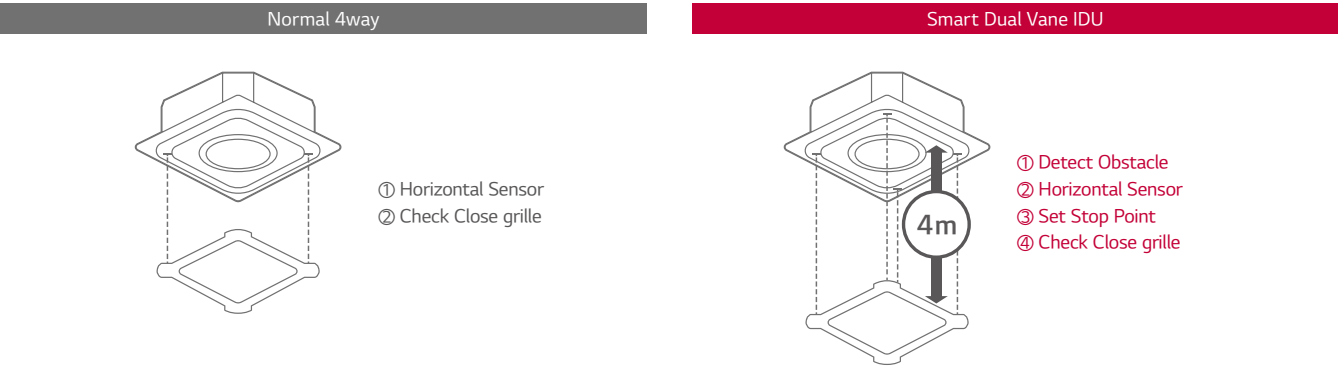
Human detecting ON/OFF Learning operation system

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



Elevation Grill

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



SMART

Everyday High performance of Air purifying

Air purifying function makes clean spaces for everyday.



Convenient and Powerful 4 Steps Air purifying

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



※ 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.

① IDU LED

Shows quality of Indoor air in real time



Good

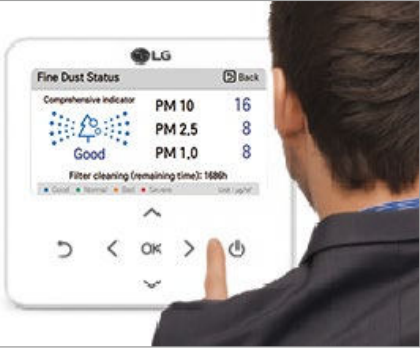
Bad

Normal

Very Bad

② Remote controller

Display Air status and Fine Dust Concentration



③ Mobile

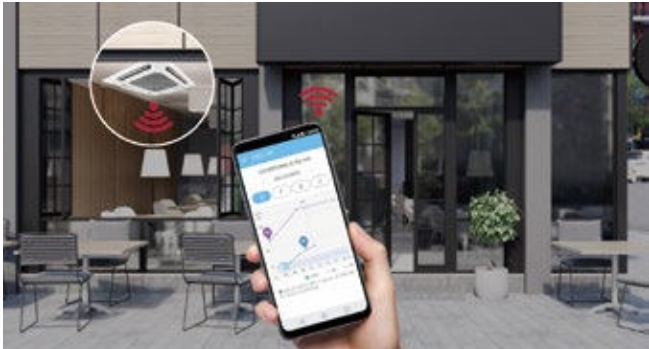
Whenever & Wherever
Check and Control Air status



Pairing LG ThinQ

Anywhere! Anytime! Can connect to IDU with LG ThinQ

- ① Monitoring Air status Easy to check indoor air status
 - Ultra Fine / Extra Fine / Fine Dust
 - Day / Week /Month / Yearly
- ② Mobile Remote Control Remote control by using mobile phone
 - Control Mode / Temperature / Air flow etc.
- ③ Display Power Consumption Check power consumption of A/C
 - Check energy display
 - Set target energy consumption level



CEILING MOUNTED CASSETTE



H-INVERTER (R32)

UT09FH
UT12FH
UT18FH
UT24FH
UT30FH



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



UUA1 ULO

UUB1 U20

UUC1 U40



COMBINATION				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°C		kW	2.5	3.4	5.0	6.8	8
	Heating @ -10°C		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	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-20 ~ 50	-20 ~ 50
	Heating	Min ~ Max	°C	-20 ~ 18	-20 ~ 18	-20 ~ 18	-20 ~ 18	-20 ~ 18

INDOOR				UT09FH NQ0	UT12FH NQ0	UT18FH NB0	UT24FH NAO	UT30FH NAO
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)			H / M / L	W	30 / 26 / 22	30 / 26 / 22	43 / 35 / 28	43 / 35 / 28
Air Flow Rate			H / M / L	m³/min	11.0 / 10.0 / 9.3	11.0 / 10.0 / 9.3	17.0 / 15.5 / 14.0	23.8 / 21.4 / 19.0
Dimensions			Body W x H x D	mm	570 x 256 x 570	570 x 256 x 570	840 x 204 x 840	840 x 288 x 840
Weight			Body	kg	13.9	13.9	21.1	25.3
Sound Pressure Level			Cooling H / M / L	dB(A)	41 / 39 / 37	41 / 39 / 37	37 / 36 / 34	42 / 41 / 40
Sound Power Level			Cooling Max.	dB(A)	54	54	52	56
Piping Connections			Drain O.D. / I.D.	mm	Ø32.0 / 25.0	Ø32.0 / 25.0	Ø32.0 / 25.0	Ø32.0 / 25.0
Recommended Decoration Panel*	Model Name		-	PT-QAGW0	PT-QAGW0	PT-AFGW0	PT-AFGW0	PT-AFGW0
	Color		-	White	White	White	White	White
	Dimensions		Body	mm	620 x 34 x 620	620 x 34 x 620	950 x 35 x 950	950 x 35 x 950
	Weight		Body	kg	3.0	3.0	7.5	7.5

OUTDOOR				UUA1 ULO	UUB1 U20	UUC1 U40		
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50		
Circuit Breaker			Min	A	15	20		
Power Supply Cable (included Earth)				No x mm³	3C x 1.5	3C x 2.5		
Dimensions			Net W x H x D	mm	770 x 545 x 288	870 x 650 x 330		
Weight			Net	kg	33.3	44.5		
Compressor	Type		-	Twin Rotary	Twin Rotary	Twin Rotary		
	Type		-	R32	R32	R32		
	GWP (Global Warming Potential)		-	675	675	675		
	Refrigerant		Precharged Amount	kg	1.0	1.2	1.9	
Refrigerant	t-CO ₂ eq.		-	0.675	0.81	1.283		
	Additional Charge (After 7.5m)		g/m	20	20	40		
	Fan		Air Flow Rate	Rated	m³/min x No.	28 x 1	50 x 1	58 x 1
	Total Piping Length		Min / Max	m	5 / 30	5 / 30	5 / 50	
Piping Elevation		IDU - ODU	Max	m	30	30	30	

* Decoration panel can be selected as an optional accessory.

Note :

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

CEILING MOUNTED CASSETTE



H-INVERTER (R32)

UT36FH
UT42FH
UT48FH
UT60FH



UUD1 U30



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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°C		kW	9.5	12.1	13.4	15
	Heating @ -10°C		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	°C	-20 ~ -52	-20 ~ -52	-20 ~ -52	-20 ~ -52
	Heating	Min ~ Max	°C	-25 ~ -18	-25 ~ -18	-25 ~ -18	-25 ~ -18

INDOOR				UT36FH NAO	UT42FH NAO	UT48FH NAO	UT60FH NAO
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	70 / 59 / 50	70 / 59 / 50	81 / 60 / 50	81 / 60 / 50
Air Flow Rate		H / M / L	m³/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 mm³	3C x 6.0			
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330			
Weight	Net		kg	85.0			
Compressor	Type		-	Inverter Scroll			
Refrigerant	Type		-	R32			
	GWP (Global Warming Potential)		-	675			
	Precharged Amount		kg	3.0			
	t-CO ₂ eq.		-	2.025			
	Additional Charge (After 7.5m)		g/m	40			
Fan	Air Flow Rate	Rated	m³/min x No.	55 x 2			
Total Piping Length		Min / Max	m	5 / 85			
Piping Elevation	IDU - ODU	Max	m	30			

* Decoration panel can be selected as an optional accessory.

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

CEILING MOUNTED CASSETTE



H-INVERTER (R32)

UT36FH
UT42FH
UT48FH
UT60FH



UUD3 U30



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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°C		kW	9.5	12.1	13.4	15
	Heating @ -10°C		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	°C	-20 ~ -52	-20 ~ -52	-20 ~ -52	-20 ~ -52
	Heating	Min ~ Max	°C	-25 ~ -18	-25 ~ -18	-25 ~ -18	-25 ~ -18

INDOOR				UT36FH NAO	UT42FH NAO	UT48FH NAO	UT60FH NAO
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	70 / 59 / 50	70 / 59 / 50	81 / 60 / 50	81 / 60 / 50
Air Flow Rate		H / M / L	m³/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 mm³	5C x 2.5			
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330			
Weight	Net		kg	85			
Compressor	Type		-	Inverter Scroll			
Refrigerant	Type		-	R32			
	GWP (Global Warming Potential)		-	675			
	Precharged Amount		kg	3.0			
	t-CO ₂ eq.		-	2.025			
	Additional Charge (After 7.5m)		g/m	40			
Fan	Air Flow Rate	Rated	m³/min x No.	55 x 2			
Total Piping Length		Min / Max	m	5 / 85			
Piping Elevation	IDU - ODU	Max	m	30			

* Decoration panel can be selected as an optional accessory.

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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.
- 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
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CEILING MOUNTED CASSETTE



STANDARD INVERTER (R32)

CT09F
CT12F
CT18F
CT24F
UT30F



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UUA1 ULO

UUB1 U20

UUC1 U40



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°C		kW	2.5	3.4	5	6.8	8
	Heating @ -10°C		kW	2.8	2.8	4.1	5.6	5.6
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	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
	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	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-20 ~ 50	-20 ~ 50
	Heating	Min ~ Max	°C	-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	26 / 22 / 19	28 / 24 / 20	30 / 26 / 22	36 / 26 / 21	40 / 33 / 26
Air Flow Rate		H / M / L	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	570 x 214 x 570	570 x 214 x 570	570 x 256 x 570	840 x 204 x 840	840 x 204 x 840
Weight	Body	kg	12.4	12.4	13.9	21.1	21.1
Sound Pressure Level	Cooling	H / M / L	36 / 33 / 30	38 / 35 / 32	41 / 39 / 37	38 / 36 / 34	40 / 37 / 35
Sound Power Level	Cooling	Max.	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
Recommended Decoration Panel*	Model Name		-	PT-QAGW0	PT-QAGW0	PT-AAGW0	PT-AAGW0
	Color		-	White	White	White	White
	Dimensions	Body	mm	620 x 34 x 620	620 x 34 x 620	620 x 34 x 620	950 x 35 x 950
	Weight	Body	kg	3.0	3.0	3.0	7.1

OUTDOOR			UUA1 ULO	UUB1 U20	UUC1 U40
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Circuit Breaker		Min	A	15	20
Power Supply Cable (included Earth)		No x mm³	3C x 1.5	3C x 2.5	3C x 2.5
Dimensions	Net	W x H x D	mm	770 x 545 x 288	870 x 650 x 330
Weight	Net	kg	33.3	44.5	57.7
Compressor	Type		-	Twin Rotary	Twin Rotary
	Type		-	R32	R32
	GWP (Global Warming Potential)		-	675	675
	Precharged Amount		kg	1.0	1.9
	t-CO ₂ eq.		-	0.675	1.283
	Additional Charge (After 7.5m)		g/m	20	40
Refrigerant	Air Flow Rate	Rated	m³/min x No.	28 x 1	50 x 1
	Min / Max		m	5 / 30	5 / 50
Total Piping Length			m	30	30
Piping Elevation	IDU - ODU	Max	m	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.
- 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
- This product contains fluorinated greenhouse gases (R32)

CEILING MOUNTED CASSETTE



STANDARD INVERTER (R32)

UT36F
UT42F
UT48F
UT60F



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UUD1 U30



COMBINATION				36	42	48	60
Capacity	Cooling	Min ~ Rated ~ Max	kW	38 / 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°C		kW	9.5	12.1	13.4	14.6
	Heating @ -10°C		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
	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	°C	-20 ~ 52	-20 ~ 52	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	°C	-25 ~ 18	-25 ~ 18	-25 ~ 18	-25 ~ 18

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

OUTDOOR			UUD1 U30
Power Supply		Ø, V, Hz	1, 220-240, 50
Circuit Breaker		Min	A
Power Supply Cable (included Earth)		No x mm³	3C x 6.0
Dimensions	Net	W x H x D	mm
Weight	Net	kg	85.0
Compressor	Type		-
	Type		-
	GWP (Global Warming Potential)		-
	Precharged Amount		kg
	t-CO ₂ eq.		-
	Additional Charge (After 7.5m)		g/m
Refrigerant	Air Flow Rate	Rated	m³/min x No.
	Min / Max		m
Total Piping Length			m
Piping Elevation	IDU - ODU	Max	m

* Decoration panel can be selected as an optional accessory.

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

CEILING MOUNTED CASSETTE



STANDARD INVERTER (R32)

UT36F
UT42F
UT48F
UT60F



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 / 12.1 / 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°C		kW	9.5	12.1	13.4	14.6
	Heating @ -10°C		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	°C	-20 ~ 52	-20 ~ 52	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	°C	-25 ~ 18	-25 ~ 18	-25 ~ 18	-25 ~ 18

INDOOR				UT36F NAO	UT42F NAO	UT48F NAO	UT60F NAO
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	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	m³/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 mm³	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-CO ₂ eq.		-	2.025			
	Additional Charging Volume		g/m	40			
Fan	Air Flow Rate	Rated	m³/min x No.	55 x 2			
Total Piping Length		Min / Max	m	5 / 85			
Piping Elevation	IDU - ODU	Max	m	30			

* Decoration panel can be selected as an optional accessory.

Note :

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

CEILING MOUNTED CASSETTE



COMPACT INVERTER (R32)

CT18F
CT24F
CT30F
UT36F



UUA1 ULO

UUB1 U20

UUC1 U40



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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°C		kW	5	6.8	7.5	9.5
	Heating @ -10°C		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	°C	-10 ~ 50	-10 ~ 48	-10 ~ 48	-20 ~ 50
	Heating	Min ~ Max	°C	-10 ~ 18	-15 ~ 18	-15 ~ 18	-15 ~ 18

INDOOR				CT18F NQ0	CT24F NB0	UT30F NB0	UT36F NAO
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	30 / 26 / 22	36 / 26 / 21	40 / 33 / 26	60 / 50 / 45
Air Flow Rate		H / M / L	m³/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 ULO	UUB1 U20	UUC1 U40
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Circuit Breaker		Min	A	15	20	25
Power Supply Cable (included Earth)			No x mm³	3C x 1.5	3C x 2.5	3C x 2.5
Dimensions	Net	W x H x D	mm	770 x 545 x 288	870 x 650 x 330	950 x 834 x 330
Weight	Net		kg	33.3	44.5	57.7
Compressor	Type		-	Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant	Type		-	R32	R32	R32
	GWP (Global Warming Potential)		-	675	675	675
	Precharged Amount		kg	1.0	1.2	1.9
	t-CO ₂ eq.		-	0.675	0.81	1.283
	Additional Charge (After 7.5m)		g/m	20	40	40
Fan	Air Flow Rate	Rated	m³/min x No.	28 x 1	50 x 1	58 x 1
Total Piping Length		Min / Max	m	5 / 30	5 / 35	5 / 50
Piping Elevation	IDU - ODU	Max	m	30	30	30

* 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.
- 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
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CASSETTE PANEL



Model Name

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

Key Features

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

Specification

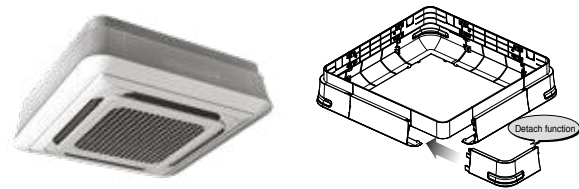
Model	Suction Type	Color (RAL)	Gloss	Weight (kg)	Dimension (mm)		
					W	H	D
PT-AAGW0	Grid	White (RAL 9003)	-	7.1	950	35	950
PT-AEGW0	Grid	White (RAL 9003)	-	8.5	950	35	950
PT-AFGW0	Grid	White (RAL 9003)	-	7.5	950	35	950
PT-QAGW0	Grid	White (RAL 9003)	-	3.0	620	34	620

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

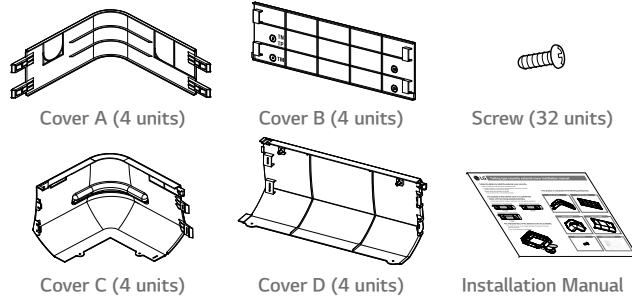
PTDCQ / PTDCA*

Applied Products

4 Way Cassette (for chassis TQ, TR)

Included Parts

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



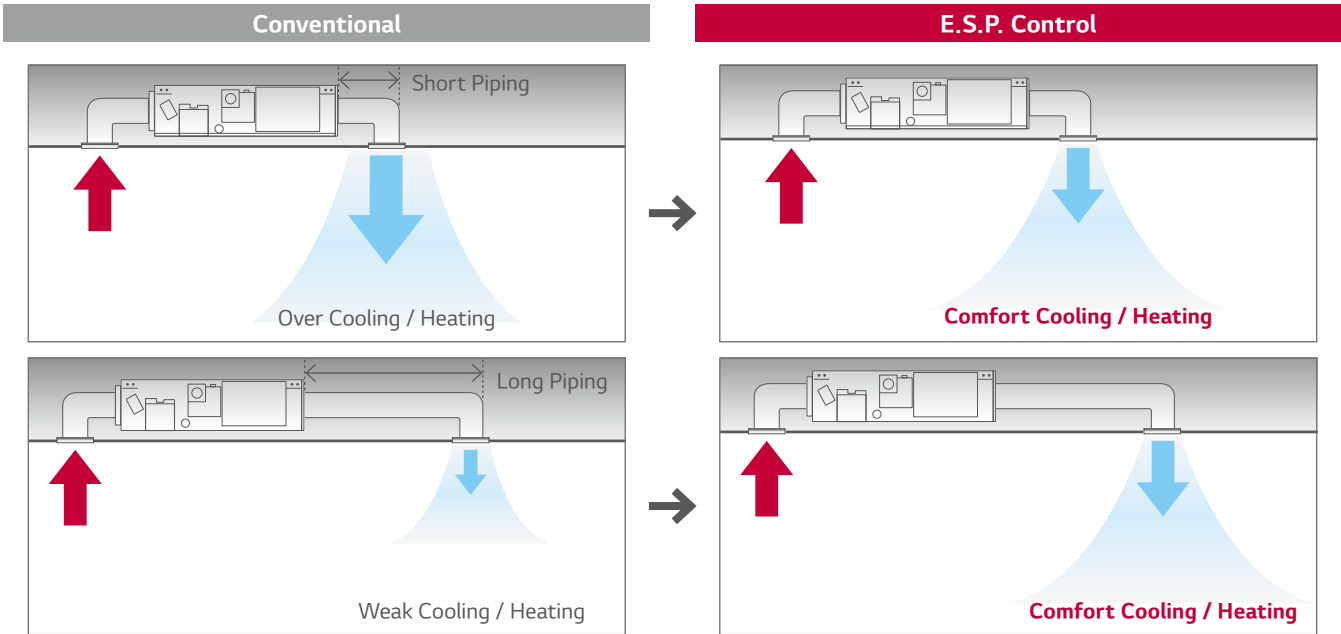
CEILING CONCEALED DUCT



CEILING CONCEALED DUCT

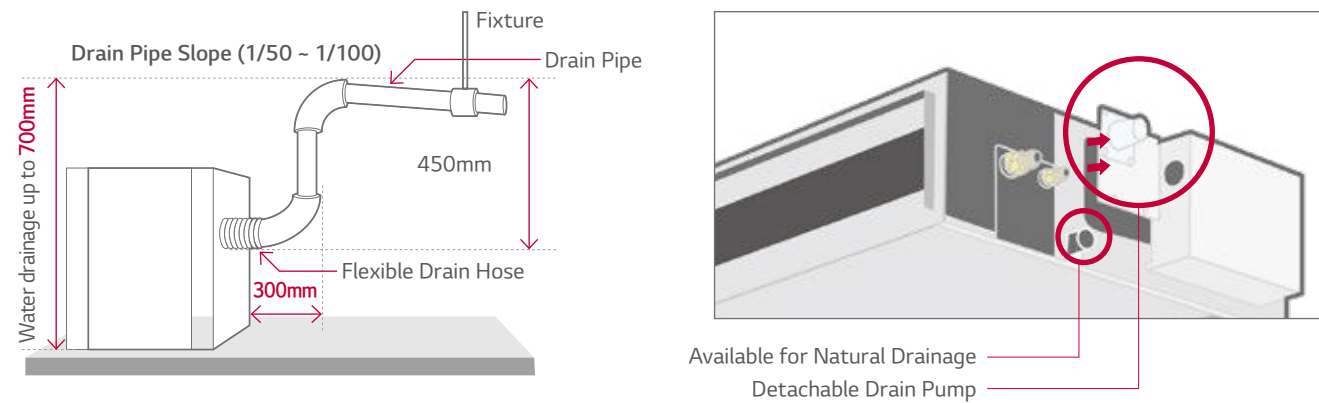
External Static Pressure (ESP) Control

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

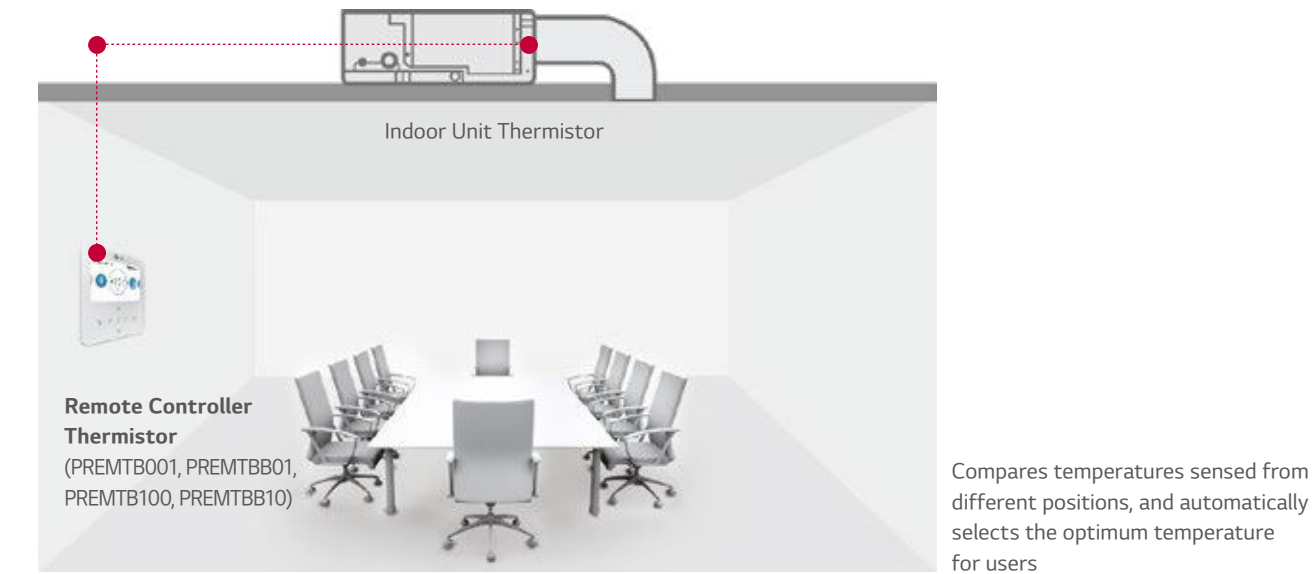
High head drain pump automatically drains water up to a height of 700mm of drain-head height. It provides the perfect solution for draining of water. (Standard Inverter : Accessory (ABDPG) / Low-Static Duct : Included)



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.

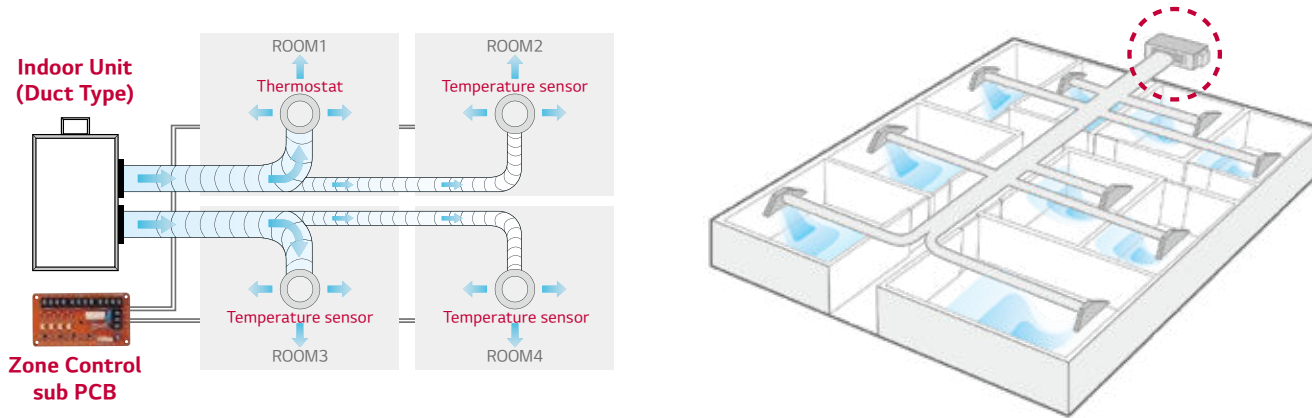


Operation for Multiple Rooms

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

Zone control features

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

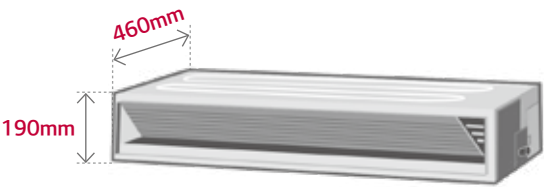


CEILING CONCEALED DUCT

Minimized Height and Depth

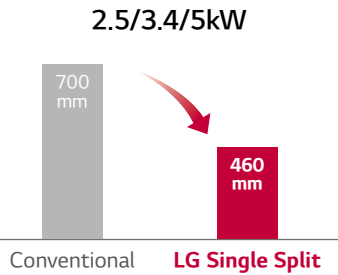
New Low Static ducts provide ideal solution for installation in limited space

Low Static Duct

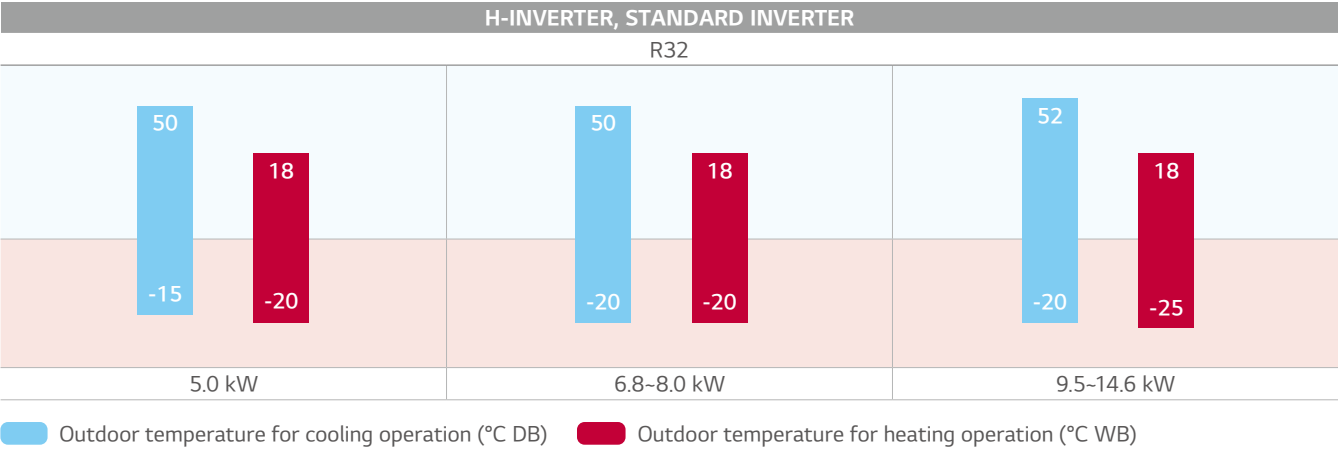


*CL09FN50, CL12FN50, CL18FN60, UL12FH.N50 only

Depth

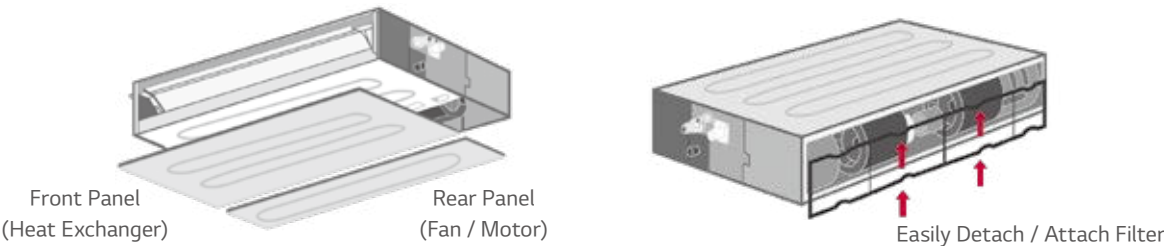


Wide Operation Range



Easy Service & Maintenance

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

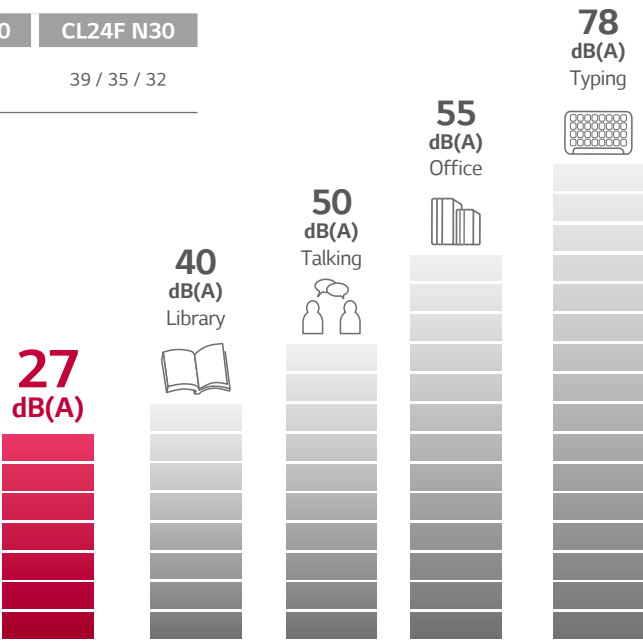


CEILING CONCEALED DUCT (LOW STATIC PRESSURE)

Quiet Operation

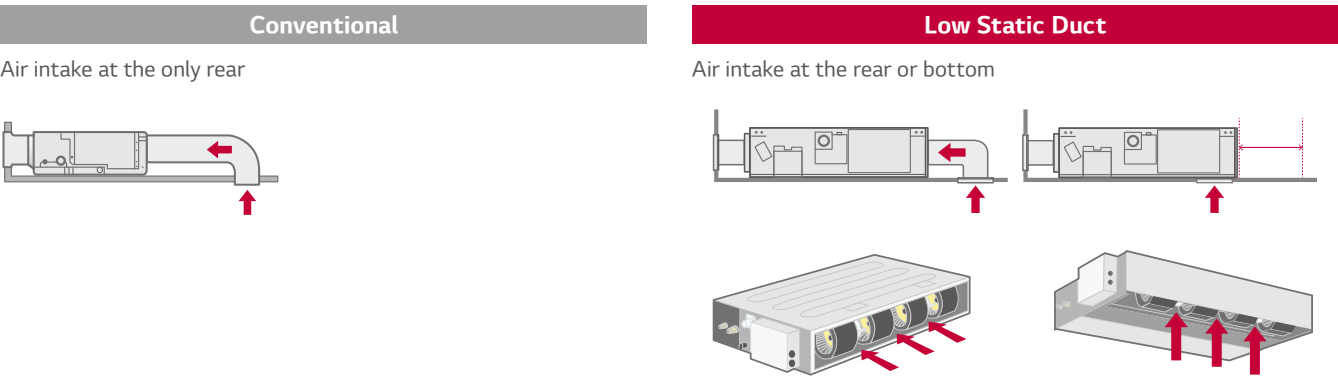
The noise level of low static ducts have been reduced, even though ESP has been increased.

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



Flexible Installation

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



CEILING CONCEALED DUCT



H-INVERTER (R32)

LOW STATIC PRESSURE
- UL12FH / UL18FH



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UUA1 ULO

UUB1 U20



COMBINATION				12	18
Capacity	Cooling	Min ~ Rated ~ Max	kW	1.5 / 3.4 / 4.7	2.0 / 5.0 / 6.0
	Heating	Min ~ Rated ~ Max	kW	1.8 / 4.0 / 4.9	2.3 / 5.8 / 7.0
Power Input (Set)	Cooling	Min ~ Rated ~ Max	kW	0.33 / 1.06 / 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°C		kW	3.4	5
	Heating @ -10°C		kW	2.9	4.1
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	195 / 1,015	269 / 1,400
Dehumidification Rate			l/h	0.8	2.6
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	49 / 52	47 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	65	63
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	°C	-15 ~ 50	-15 ~ 50
	Heating	Min ~ Max	°C	-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	m³/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 ULO	UUB1 U20
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Circuit Breaker		Min	A	15	20
Power Supply Cable (included Earth)			No x mm³	3C x 1.5	3C x 2.5
Dimensions	Net	W x H x D	mm	770 x 545 x 288	870 x 650 x 330
Weight	Net		kg	33.3	44.5
Compressor	Type		-	Twin Rotary	Twin Rotary
Refrigerant	Type		-	R32	R32
	GWP (Global Warming Potential)		-	675	675
	Precharged Amount		kg	1.0	1.2
	t-CO ₂ eq.		-	0.675	0.81
	Additional Charge (After 7.5m)		g/m	20	20
Fan	Air Flow Rate	Rated	m³/min x No.	28 x 1	50 x 1
Total Piping Length		Min / Max	m	5 / 30	5 / 30
Piping Elevation	IDU - ODU	Max	m	30	30

CEILING CONCEALED DUCT



H-INVERTER (R32)

MID STATIC PRESSURE
- UM12FH / UM18FH / UM24FH / UM30FH



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UUA1 ULO

UUB1 U20

UUC1 U40



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

INDOOR				UM12FH N10	UM18FH N10	UM24FH N20	UM30FH N20
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	m³/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 ULO	UUB1 U20	UUC1 U40
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Circuit Breaker		Min	A	15	20	25
Power Supply Cable (included Earth)			No x mm³	3C x 1.5	3C x 2.5	3C x 2.5
Dimensions	Net	W x H x D	mm	770 x 545 x 288	870 x 650 x 330	950 x 834 x 330
Weight	Net		kg	33.3	44.5	57.7
Compressor	Type		-	Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant	Type		-	R32	R32	R32
	GWP (Global Warming Potential)		-	675	675	675
	Precharged Amount		kg	1.0	1.2	1.9
	t-CO ₂ eq.		-	0.675	0.81	1.283
	Additional Charge (After 7.5m)		g/m	20	20	40
Fan	Air Flow Rate	Rated	m³/min x No.	28 x 1	50 x 1	58 x 1
Total Piping Length		Min / Max	m	5 / 30	5 / 30	5 / 50
Piping Elevation	IDU - ODU	Max	m	30	30	30

CEILING CONCEALED DUCT



H-INVERTER (R32)

MID STATIC PRESSURE
- UM36FH / UM42FH / UM48FH

UUD1 U30



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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°C		kW	9.5	12	13.4
	Heating @ -10°C		kW	9.5	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+	-
Annual Energy Consumption	Cooling / Heating		kWh	520 / 3,167	677 / 3,244	1,318 / 3,244
Dehumidification Rate			l/h	2.0	4.2	4.8
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52	52 / 53
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69	69
	Liquid		mm (inch)	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)
Piping Connections	Connections Method		-	Flared	Flared	Flared
	Cooling	Min ~ Max	°C	-20 ~ 52	-20 ~ 52	-20 ~ 52
Operation Range (Outdoor)	Heating	Min ~ Max	°C	-25 ~ 18	-25 ~ 18	-25 ~ 18
INDOOR				UM36FH N30	UM42FH N30	UM48FH N30
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)			H / M / L	W	242 / 159 / 124	242 / 159 / 124
Air Flow Rate			H / M / L	m³/min	40 / 34 / 28	40 / 34 / 28
Dimensions	Body	W x H x D	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		
Power Supply Cable (included Earth)			No x mm³	3C x 6.0		
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330		
Weight	Net		kg	85.0		
Compressor	Type		-	Inverter Scroll		
	Type		-	R32		
Refrigerant	GWP (Global Warming Potential)		-	675		
	Precharged Amount		kg	3.0		
	t-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		

CEILING CONCEALED DUCT



H-INVERTER (R32)

MID STATIC PRESSURE
- UM36FH / UM42FH / UM48FH

UUD3 U30



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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°C		kW	9.5	12	13.4
	Heating @ -10°C		kW	9.5	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+	-
Annual Energy Consumption	Cooling / Heating		kWh	520 / 3,167	677 / 3,244	1,318 / 3,244
Dehumidification Rate			l/h	2.0	4.2	4.8
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52	52 / 53
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69	69
	Liquid		mm (inch)	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)
Piping Connections	Connections Method		-	Flared	Flared	Flared
	Cooling	Min ~ Max	°C	-20 ~ 52	-20 ~ 52	-20 ~ 52
Operation Range (Outdoor)	Heating	Min ~ Max	°C	-25 ~ 18	-25 ~ 18	-25 ~ 18
INDOOR				UM36FH N30	UM42FH N30	UM48FH N30
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)			H / M / L	W	242 / 159 / 124	242 / 159 / 124
Air Flow Rate			H / M / L	m³/min	40 / 34 / 28	40 / 34 / 28
Dimensions	Body	W x H x D	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		
Power Supply Cable (included Earth)			No x mm³	5C x 2.5		
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330		
Weight	Net		kg	85.0		
Compressor	Type		-	Inverter Scroll		
	Type		-	R32		
Refrigerant	GWP (Global Warming Potential)		-	675		
	Precharged Amount		kg	3.0		
	t-CO₂eq.		-	2.025		
	Additional Charge (After 7.5m)		g/m	40		
Fan	Air Flow Rate	Rated	m³/min x No.	55 x 2		
Total Piping Length		Min / Max	m	5 / 85		
Piping Elevation		IDU - ODU	Max	m		

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°C		kW	2.5	3.4	5	6.8
	Heating @ -10°C		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	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-20 ~ 50
	Heating	Min ~ Max	°C	-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	m³/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 mm³	3C x 1.5	3C x 2.5	3C x 2.5
Dimensions	Net	W x H x D	mm	770 x 545 x 288	870 x 650 x 330	950 x 834 x 330
Weight	Net		kg	33.3	44.5	57.7
Compressor	Type		-	Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant	Type		-	R32	R32	R32
	GWP (Global Warming Potential)		-	675	675	675
	Precharged Amount		kg	1.0	1.2	1.9
	t-CO ₂ eq.		-	0.675	0.81	1.283
	Additional Charge (After 7.5m)		g/m	20	20	40
Fan	Air Flow Rate	Rated	m³/min x No.	28 x 1	50 x 1	58 x 1
Total Piping Length		Min / Max	m	5 / 30	5 / 30	5 / 50
Piping Elevation	IDU - ODU	Max	m	30	30	30

CEILING CONCEALED DUCT



STANDARD INVERTER (R32)

MID STATIC PRESSURE
- CM18F / CM24F / UM30F



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UUB1 U20



UUC1 U40



COMBINATION				18	24	30
Capacity	Cooling	Min ~ Rated ~ Max	kW	2.0 / 5.0 / 5.8	2.7 / 6.8 / 8.0	3.1 / 7.8 / 9.0
	Heating	Min ~ Rated ~ Max	kW	2.3 / 5.8 / 6.7	3.0 / 7.5 / 9.0	3.6 / 9.0 / 10.1
Power Input (Set)	Cooling	Min ~ Rated ~ Max	kW	0.30 / 1.33 / 1.86	0.40 / 1.95 / 2.69	0.40 / 2.23 / 3.03
	Heating	Min ~ Rated ~ Max	kW	0.40 / 1.76 / 2.46	0.50 / 2.27 / 3.29	0.50 / 2.64 / 3.33
Running Current	Cooling	Rated	A	7.4	8.7	9.9
	Heating	Rated	A	8.3	10.1	11.7
EER / COP			kWh/kWh	3.75 / 3.30	3.49 / 3.31	3.50 / 3.41
SEER / SCOP			kWh/kWh	6.4 / 4.1	6.6 / 3.9	6.1 / 4.0
Pdesign	Cooling @ 35°C		kW	5	6.8	7.8
	Heating @ -10°C		kW	4.1	5.4	5.4
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A	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	°C	-15 ~ 50	-20 ~ 50	-20 ~ 50
	Heating	Min ~ Max	°C	-20 ~ 18	-20 ~ 18	-20 ~ 18

INDOOR				CM18F N10	CM24F N10	UM30F N10
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	150 / 130 / 110	180 / 150 / 130	220 / 200 / 180
Air Flow Rate		H / M / L	m³/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 mm³	3C x 2.5	3C x 2.5
Dimensions	Net	W x H x D	mm	870 x 650 x 330	950 x 834 x 330
Weight	Net		kg	44.5	57.7
Compressor	Type		-	Twin Rotary	Twin Rotary
Refrigerant	Type		-	R32	R32
	GWP (Global Warming Potential)		-	675	675
	Precharged Amount		kg	1.2	1.9
	t-CO ₂ eq.		-	0.81	1.283
	Additional Charge (After 7.5m)		g/m	20	40
Fan	Air Flow Rate	Rated	m³/min x No.	50 x 1	58 x 1
Total Piping Length		Min / Max	m	5 / 30	5 / 50
Piping Elevation	IDU - ODU	Max	m	30	30

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°C		kW	9.5	12.0	13.4	14.6
	Heating @ -10°C		kW	9.5	9.5	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A+ / A	A+ / A	- / -	- / -
Annual Energy Consumption	Cooling / Heating		kWh	573 / 3,410	750 / 3,410	1,386 / 3,325	1,564 / 3,325
Dehumidification Rate			l/h	2.9	4.4	4.8	4.7
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52	52 / 53	54 / 54
	Cooling	Rated	dB(A)	66	69	69	71
	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connections	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	°C	-20 ~ 52	-20 ~ 52	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	°C	-25 ~ 18	-25 ~ 18	-25 ~ 18	-25 ~ 18

INDOOR				UM36F N20	UM42F N20	UM48F N30	UM60F N30
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	183 / 134 / 101	266 / 200 / 145	242 / 159 / 124	342 / 287 / 242
Air Flow Rate		H / M / L	m³/min	32 / 28 / 24	38 / 33 / 28	40 / 34 / 28	50 / 45 / 40
Dimensions	Body	W x H x D	mm	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700
Weight	Body		kg	38.5	38.5	43.5	43.5
Sound Pressure Level	Cooling	H / M / L	dB(A)	36 / 34 / 33	38 / 36 / 34	39 / 38 / 36	42 / 40 / 39
Sound Power Level	Cooling	Max.	dB(A)	60	62	65	66
Piping Connections	Drain (Natural Drainage)	O.D. / I.D.	mm	Ø25.4 / 19.4	Ø25.4 / 19.4	Ø25.4 / 19.4	Ø25.4 / 19.4
	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 mm³	3C x 6.0			
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330			
Weight	Net		kg	85			
Compressor	Type		-	Inverter Scroll			
	Type		-	R32			
	GWP (Global Warming Potential)		-	675			
	Precharged Amount		kg	3.0			
	t-CO ₂ eq.		-	2.025			
Refrigerant	Additional Charge (After 7.5m)		g/m	40			
	Air Flow Rate	Rated	m³/min x No.	55 x 2			
Total Piping Length		Min / Max	m	5 / 85			
Piping Elevation		IDU - ODU	Max	30			

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°C		kW	9.5	12	13.4	14.6
	Heating @ -10°C		kW	9.5	9.5	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A+ / A	A+ / A	- / -	- / -
Annual Energy Consumption	Cooling / Heating		kWh	573 / 3,410	750 / 3,410	1,386 / 3,325	1,564 / 3,325
Dehumidification Rate			l/h	2.9	4.4	4.8	4.7
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52	52 / 53	54 / 54
	Cooling	Rated	dB(A)	66	69	69	71
	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Piping Connections	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	°C	-20 ~ 52	-20 ~ 52	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	°C	-25 ~ 18	-25 ~ 18	-25 ~ 18	-25 ~ 18

INDOOR				UM36F N20	UM42F N20	UM48F N30	UM60F N30
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	183 / 134 / 101	266 / 200 / 145	242 / 159 / 124	342 / 287 / 242
Air Flow Rate		H / M / L	m³/min	32 / 28 / 24	38 / 33 / 28	40 / 34 / 28	50 / 45 / 40
Dimensions	Body	W x H x D	mm	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700
Weight	Body		kg	38.5	38.5	43.5	43.5
Sound Pressure Level	Cooling	H / M / L	dB(A)	36 / 34 / 33	38 / 36 / 34	39 / 38 / 36	42 / 40 / 39
Sound Power Level	Cooling	Max.	dB(A)	60	62	65	66
Piping Connections	Drain (Natural Drainage)	O.D. / I.D.	mm	Ø25.4 / 19.4	Ø25.4 / 19.4	Ø25.4 / 19.4	Ø25.4 / 19.4
	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 mm³	5C x 2.5			
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330			
Weight	Net		kg	85			
Compressor	Type		-	Inverter Scroll			
	Type		-	R32			
	GWP (Global Warming Potential)		-	675			
	Precharged Amount		kg	3.0			
	t-CO ₂ eq.		-	2.025			
Refrigerant	Additional Charge (After 7.5m)		g/m	40			
	Air Flow Rate	Rated	m³/min x No.	55 x 2			
Total Piping Length		Min / Max	m	5 / 85			
Piping Elevation		IDU - ODU	Max	30			

CEILING CONCEALED DUCT



COMPACT INVERTER (R32)

LOW STATIC PRESSURE
- CL18F / CL24F



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UUA1 ULO

UUB1 U20



COMBINATION				18	24
Capacity	Cooling	Min ~ Rated ~ Max	kW	1.8 / 4.7 / 5.1	2.7 / 6.8 / 7.5
	Heating	Min ~ Rated ~ Max	kW	2.1 / 5.2 / 5.7	3.0 / 7.5 / 8.6
Power Input (Set)	Cooling	Min ~ Rated ~ Max	kW	0.34 / 1.62 / 1.99	0.40 / 2.12 / 2.54
	Heating	Min ~ Rated ~ Max	kW	0.30 / 1.53 / 1.99	0.50 / 2.41 / 3.13
Running Current	Cooling	Rated	A	7.2	9.3
	Heating	Rated	A	6.8	10.5
EER / COP			kWh/kWh	2.90 / 3.40	3.21 / 3.11
SEER / SCOP			kWh/kWh	5.1 / 3.8	6.0 / 4.1
Pdesign	Cooling @ 35°C		kW	4.7	6.8
	Heating @ -10°C		kW	2.7	4.2
Seasonal Energy Label	Cooling / Heating		-	A / A	A+ / A+
Annual Energy Consumption	Cooling / Heating		kWh	323 / 995	397 / 1,434
Dehumidification Rate			l/h	1.5	2.4
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	49 / 52	48 / 53
ODU Sound Power Level	Cooling	Rated	dB(A)	65	65
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	°C	-10 ~ 50	-10 ~ 48
	Heating	Min ~ Max	°C	-10 ~ 18	-15 ~ 18

INDOOR				CL18F N60	CL24F N30
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	100 / 90 / 80	150 / 130 / 110
Air Flow Rate		H / M / L	m³/min	15 / 12 / 10	20 / 16 / 12
Dimensions	Body	W x H x D	mm	1,100 x 190 x 460	1,100 x 190 x 700
Weight	Body		kg	20.9	26
Sound Pressure Level	Cooling	H / M / L	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 ULO	UUB1 U20
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Circuit Breaker		Min	A	15	20
Power Supply Cable (included Earth)			No x mm³	3C x 1.5	3C x 2.5
Dimensions	Net	W x H x D	mm	770 x 545 x 288	870 x 650 x 330
Weight	Net		kg	33.3	44.5
Compressor	Type		-	Twin Rotary	Twin Rotary
Refrigerant	Type		-	R32	R32
	GWP (Global Warming Potential)		-	675	675
	Precharged Amount		kg	1.0	1.2
	t-CO ₂ eq.		-	0.675	0.81
	Additional Charge (After 7.5m)		g/m	20	40
Fan	Air Flow Rate	Rated	m³/min x No.	28 x 1	50 x 1
Total Piping Length		Min / Max	m	5 / 30	5 / 35
Piping Elevation	IDU - ODU	Max	m	30	30

CEILING CONCEALED DUCT



COMPACT INVERTER (R32)

MID STATIC PRESSURE
- CM18F / CM24F / UM30F / UM36F



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UUA1 ULO

UUB1 U20

UUC1 U40



COMBINATION				18	24	30	36
Capacity	Cooling	Min ~ Rated ~ Max	kW	1.8 / 5.0 / 5.6	2.7 / 6.8 / 7.5	3.0 / 7.5 / 8.3	3.8 / 9.5 / 10.5
	Heating	Min ~ Rated ~ Max	kW	2.2 / 5.5 / 6.7	3.0 / 7.4 / 8.5	3.2 / 8.0 / 8.8	4.3 / 10.8 / 11.5
Power Input (Set)	Cooling	Min ~ Rated ~ Max	kW	0.35 / 1.67 / 1.92	0.50 / 2.34 / 2.81	0.50 / 2.57 / 3.08	0.60 / 3.16 / 3.86
	Heating	Min ~ Rated ~ Max	kW	0.32 / 1.58 / 1.77	0.40 / 2.17 / 2.82	0.50 / 2.25 / 2.93	0.60 / 3.03 / 3.48
Running Current	Cooling	Rated	A	7.4	10.3	11.0	14.0
	Heating	Rated	A	7.0	9.7	9.7	13.4
EER / COP			kWh/kWh	3.00 / 3.50	2.91 / 3.41	2.92 / 3.56	3.01 / 3.57
SEER / SCOP			kWh/kWh	6.1 / 3.8	5.8 / 4.1	5.6 / 3.9	5.9 / 4.0
Pdesign	Cooling @ 35°C		kW	5	6.8	7.5	9.5
	Heating @ -10°C		kW	2.8	4.1	4.3	5.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A	A+ / A+	A+ / A	A+ / A+
Annual Energy Consumption	Cooling / Heating		kWh	287 / 1,032	410 / 1,400	469 / 1,544	564 / 1,924
Dehumidification Rate			l/h	1.2	2.5	2.6	3.2
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	49 / 52	48 / 53	50 / 54	54 / 56
ODU Sound Power Level	Cooling	Rated	dB(A)	65	65	67	70
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	°C	-10 ~ 50	-10 ~ 48	-10 ~ 48	-20 ~ 50
	Heating	Min ~ Max	°C	-10 ~ 18	-15 ~ 18	-15 ~ 18	-15 ~ 18

INDOOR				CM18F N10	CM24F N10	UM30F N10	UM36F N20
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	150 / 130 / 110	180 / 150 / 130	220 / 200 / 180	183 / 134 / 101
Air Flow Rate		H / M / L	m³/min	16.5 / 14.5 / 13	18 / 16.5 / 14.5	22 / 20 / 18	32 / 28 / 24
Dimensions	Body	W x H x D	mm	900 x 270 x 700	900 x 270 x 700	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 ULO	UUB1 U20	UUC1 U40
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Circuit Breaker		Min	A	15	20	25
Power Supply Cable (included Earth)			No x mm³	3C x 1.5	3C x 2.5	3C x 2.5
Dimensions	Net	W x H x D	mm	770 x 545 x 288	870 x 650 x 330	950 x 834 x 330
Weight	Net		kg	33.3	44.5	57.7
Compressor	Type		-	Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant	Type		-	R32	R32	R32
	GWP (Global Warming Potential)		-	675	675	675
	Precharged Amount		kg	1	1.2	1.9
	t-CO ₂ eq.		-	0.675	0.81	1.283
	Additional Charge (After 7.5m)		g/m	20	40	40
Fan	Air Flow Rate	Rated	m³/min x No.	28 x 1	50 x 1	58 x 1
Total Piping Length		Min / Max	m	5 / 30	5 / 35	5 / 50
Piping Elevation	IDU - ODU	Max	m	30	30	30

CEILING CONCEALED DUCT



STANDARD INVERTER (R410A)

HIGH STATIC PRESSURE
- UB70 / UB85



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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.



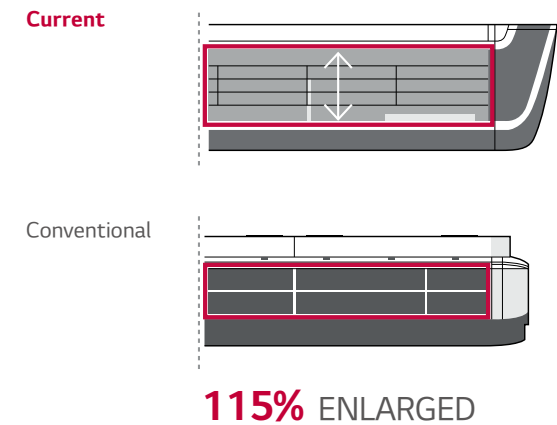
Powerful Cooling & Heating

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

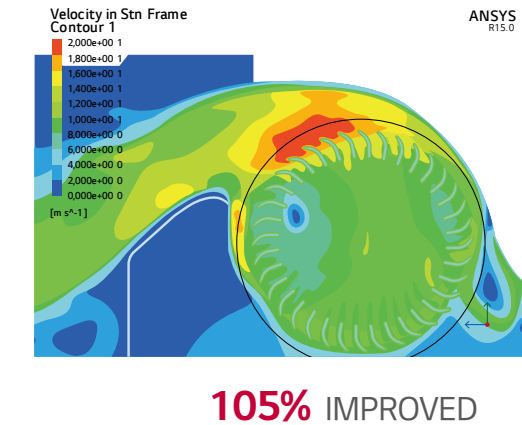


With enlarged outlet space, optimized the Air flow Path and improved Heat Exchanger's performance

• Outlet Space



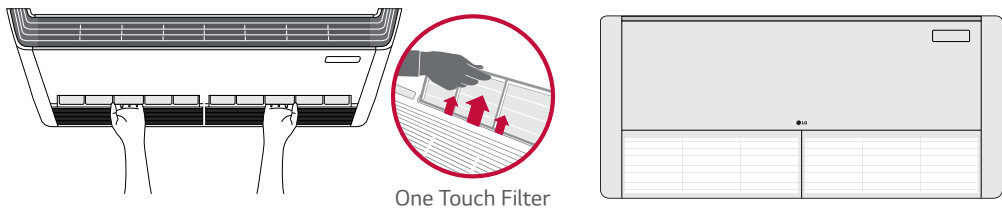
• Optimized the Air flow Path



CEILING SUSPENDED UNIT

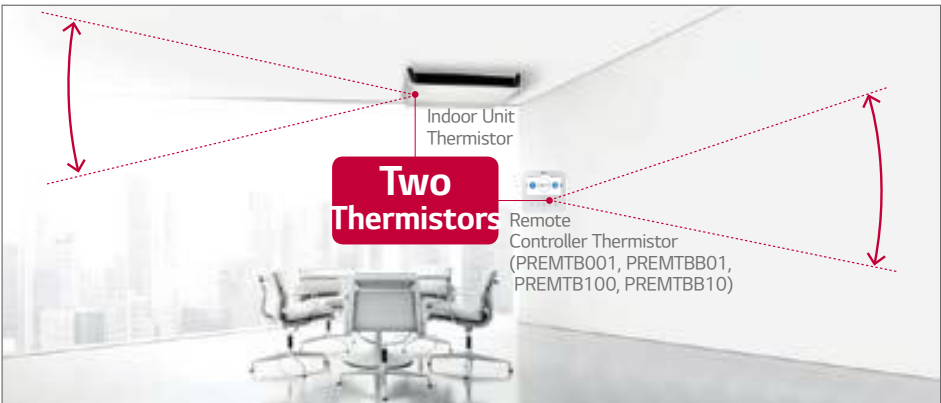
One Touch & 2 Piece Filter

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



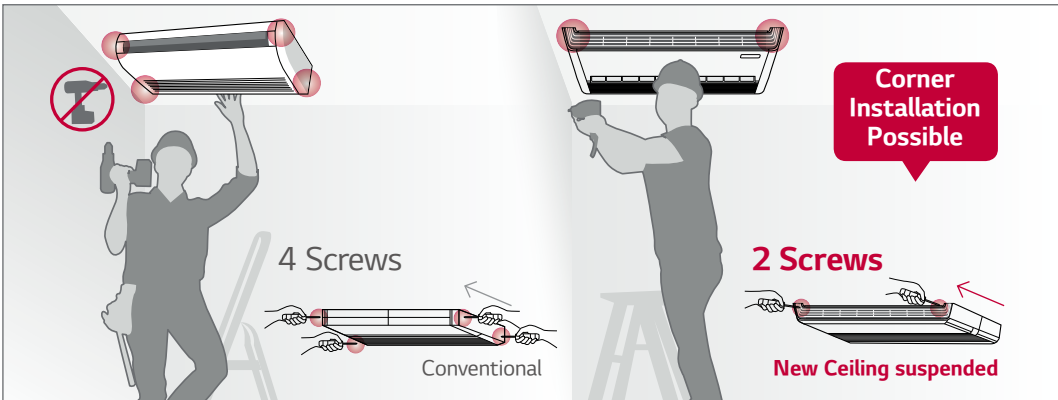
Two Thermistors Control

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



H-INVERTER (R32)

UV18FH / UV24FH / UV30FH



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UUB1 U20



UUC1 U40



COMBINATION				18	24	30
Capacity	Cooling	Min ~ Rated ~ Max	kW	2.0 / 5.0 / 6.0	2.7 / 6.8 / 8.3	3.2 / 8.0 / 9.5
	Heating	Min ~ Rated ~ Max	kW	2.3 / 5.8 / 7.0	3.0 / 7.5 / 9.4	3.6 / 8.9 / 10.6
Power Input (Set)	Cooling	Min ~ Rated ~ Max	kW	0.30 / 1.28 / 1.73	0.40 / 1.80 / 2.50	0.50 / 2.35 / 3.13
	Heating	Min ~ Rated ~ Max	kW	0.30 / 1.58 / 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°C		kW	5	6.8	8
	Heating @ -10°C		kW	4.3	5.4	5.4
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A++	A++ / A++
Annual Energy Consumption	Cooling / Heating		kWh	230 / 1,368	301 / 1,644	389 / 1,644
Dehumidification Rate			l/h	1.9	2.0	2.8
ODU Sound Pressure Level	Cooling / Heating	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	°C	-15 ~ 50	-20 ~ 50	-20 ~ 50
	Heating	Min ~ Max	°C	-20 ~ 18	-20 ~ 18	-20 ~ 18

INDOOR				UV18FH N10	UV24FH N20	UV30FH N20
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	17 / 15 / 13	35 / 32 / 27	35 / 32 / 27
Air Flow Rate		H / M / L	m³ / min	12.5 / 11 / 10	23 / 21 / 19	23 / 21 / 19
Dimensions	Body	W x H x D	mm	1,200 x 235 x 690	1,600 x 235 x 690	1,600 x 235 x 690
Weight	Body		kg	28.7	37.4	37.4
Sound Pressure Level	Cooling	H / M / L	dB (A)	41 / 39 / 38	43 / 42 / 40	43 / 42 / 40
Sound Power Level	Cooling	Max.	dB (A)	55	60	60
Piping Connections	Drain(Natural Drainage)	O.D. / I.D.	mm	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 mm³	3C x 2.5	3C x 2.5
Dimensions	Net	W x H x D	mm	870 x 650 x 330	950 x 834 x 330
Weight	Net		kg	44.5	57.7
Compressor	Type		-	Twin Rotary	Twin Rotary
	Type		-	R32	R32
	GWP (Global Warming Potential)		-	675	675
	Precharged Amount		kg	1.2	1.9
	t-CO ₂ eq.		-	0.81	1.283
	Additional Charge (After 7.5m)		g / m	20	40
Fan	Air Flow Rate	Rated	m³/min x No.	50 x 1	58 x 1
Total Piping Length		Min / Max	m	5 / 30	5 / 50
Piping Elevation	IDU - ODU	Max	m	30	30

- Note :
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 - 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.
 - 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
 - This product contains fluorinated greenhouse gases (R32)

CEILING SUSPENDED UNIT



H-INVERTER (R32)

UV36FH / UV42FH



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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°C		kW	9.5	12.1
	Heating @ -10°C		kW	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	- / -
Annual Energy Consumption	Cooling / Heating		kWh	496 / 3,093	1,100 / 3,093
Dehumidification Rate			l/h	3.6	5.52
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69
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	°C	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	°C	-25 ~ 18	-25 ~ 18

INDOOR				UV36FH N20	UV42FH N20
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	59 / 40 / 28	59 / 40 / 28
Air Flow Rate		H / M / L	m³/min	30 / 25 / 20	30 / 25 / 20
Dimensions	Body	W x H x D	mm	1,600 x 235 x 690	1,600 x 235 x 690
Weight	Body		kg	37.4	37.4
Sound Pressure Level	Cooling	H / M / L	dB (A)	48 / 44 / 40	48 / 44 / 40
Sound Power Level	Cooling	Max.	dB (A)	62	62
Piping Connections	Drain(Natural Drainage)	O.D. / I.D.	mm	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 mm³	3C x 6.0
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330
Weight	Net		kg	85
Compressor	Type		-	Inverter Scroll
	Type		-	R32
	GWP (Global Warming Potential)		-	675
	Precharged Amount		kg	3.0
	t-CO ₂ eq.		-	2.025
	Additional Charge (After 7.5m)		g/m	40
Fan	Air Flow Rate	Rated	m³/min x No.	55 x 2
Total Piping Length		Min / Max	m	5 / 85
Piping Elevation	IDU - ODU	Max	m	30

- Note :
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 - 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.
 - 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
 - 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°C		kW	9.5	12.1
	Heating @ -10°C		kW	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	- / -
Annual Energy Consumption	Cooling / Heating		kWh	496 / 3,093	1,100 / 3,093
Dehumidification Rate			l/h	3.6	5.5
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	°C	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	°C	-25 ~ 18	-25 ~ 18
INDOOR				UV36FH N20	UV42FH N20
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)	H / M / L		W	59 / 40 / 28	59 / 40 / 28
Air Flow Rate	H / M / L		m³/min	30 / 25 / 20	30 / 25 / 20
Dimensions	Body	W x H x D	mm	1,600 x 235 x 690	1,600 x 235 x 690
Weight	Body		kg	37.4	37.4
Sound Pressure Level	Cooling	H / M / L	dB (A)	48 / 44 / 40	48 / 44 / 40
Sound Power Level	Cooling	Max.	dB (A)	62	62
Piping Connections	Drain(Natural Drainage)	O.D. / I.D.	mm	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 mm³	5C x 2.5	
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330	
Weight	Net		kg	85	
Compressor	Type		-	Inverter Scroll	
	Type		-	R32	
	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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2. Performances are based on the following conditions (It is accordance with EN14511)

- Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
- Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
- Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.

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

4. This product contains fluorinated greenhouse gases (R32)

CEILING SUSPENDED UNIT



STANDARD INVERTER (R32)

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°C		kW	5	6.7	7.7
	Heating @ -10°C		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	°C	-15 ~ 50	-20 ~ 50	-20 ~ 50
	Heating	Min ~ Max	°C	-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		m³/min	13 / 12 / 11	16 / 15 / 14	19 / 17.5 / 16
Dimensions	Body	W x H x D	mm	1,200 x 235 x 690	1,200 x 235 x 690	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 mm³	3C x 2.5	3C x 2.5	
Dimensions	Net	W x H x D	mm	870 x 650 x 330	950 x 834 x 330	
Weight	Net		kg	44.5	57.7	
Compressor	Type		-	Twin Rotary	Twin Rotary	
	Type		-	R32	R32	
	GWP (Global Warming Potential)		-	675	675	
	Precharged Amount		kg	1.2	1.9	
	t-CO₂eq.		-	0.81	1.283	
	Additional Charge (After 7.5m)		g/m	20	40	
Fan	Air Flow Rate	Rated	m³/min x No.	50 x 1	58 x 1	
Total Piping Length	Min / Max		m	5 / 30	5 / 50	
Piping Elevation	IDU - ODU	Max	m	30	30	

Note :

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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)

CEILING SUSPENDED UNIT



STANDARD INVERTER (R32)

UV36F / UV42F / UV48F / UV60F



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UUD1 U30



COMBINATION				36	42	48	60	
Capacity	Cooling	Min ~ Rated ~ Max	kW	3.8 ~ 9.5 ~ 12.5	4.8 ~ 12.1 ~ 14.2	5.4 ~ 13.4 ~ 15.7	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°C		kW	9.5	12.1	13.4	14.4	
	Heating @ -10°C		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	
Operation Range (Outdoor)	Cooling	Min ~ Max	°C	-20 ~ 52	-20 ~ 52	-20 ~ 52	-20 ~ 52	
	Heating	Min ~ Max	°C	-25 ~ 18	-25 ~ 18	-25 ~ 18	-25 ~ 18	

INDOOR				UV36F N20	UV42F N20	UV48F N20	UV60F N20
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	50 / 35 / 28	50 / 35 / 28	59 / 40 / 28	59 / 40 / 28
Air Flow Rate		H / M / L	m³/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 mm³	3C x 6.0			
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330			
Weight	Net		kg	85			
Compressor	Type		-	Inverter Scroll			
	Type		-	R32			
	GWP (Global Warming Potential)		-	675			
	Precharged Amount		kg	3.0			
	t-CO ₂ eq.		-	2.025			
Refrigerant	Additional Charge (After 7.5m)		g/m	40			
	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			

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

CEILING SUSPENDED UNIT



STANDARD INVERTER (R32)

UV36F / UV42F / UV48F / UV60F



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UUD3 U30



COMBINATION				36	42	48	60
Capacity	Cooling	Min ~ Rated ~ Max	kW	3.8 ~ 9.5 ~ 12.5	4.8 ~ 12.1 ~ 14.2	5.4 ~ 13.4 ~ 15.7	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
SEER / SCOP				kWh/kWh	6.3 / 4.1	6.3 / 4.1	5.9 / 4.1
Pdesign	Cooling @ 35°C		kW	9.5	12.1	13.4	14.4
	Heating @ -10°C		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	°C	-20 ~ 52	-20 ~ 52	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	°C	-25 ~ 18	-25 ~ 18	-25 ~ 18	-25 ~ 18

INDOOR				UV36F N20	UV42F N20	UV48F N20	UV60F N20
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	50 / 35 / 28	50 / 35 / 28	59 / 40 / 28	59 / 40 / 28
Air Flow Rate		H / M / L	m³/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 mm³	5C x 2.5			
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330			
Weight	Net		kg	85			
Compressor	Type		-	Inverter Scroll			
	Type		-	R32			
	GWP (Global Warming Potential)		-	675			
	Precharged Amount		kg	3.0			
	t-CO ₂ eq.		-	2.025			
Refrigerant	Additional Charge (After 7.5m)		g/m	40			
	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 :
- Due to our policy of innovation some specifications may be changed without notification.
 - 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.
 - 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
 - This product contains fluorinated greenhouse gases (R32)

CEILING SUSPENDED UNIT



COMPACT INVERTER (R32)

UV18F / UV24F / UV30F / UV36F



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

UUA1 ULO

UUB1 U20

UUC1 U40



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

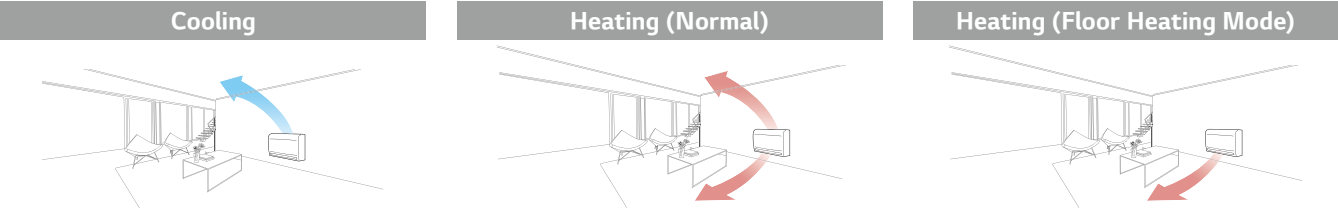
CONSOLE



CONSOLE

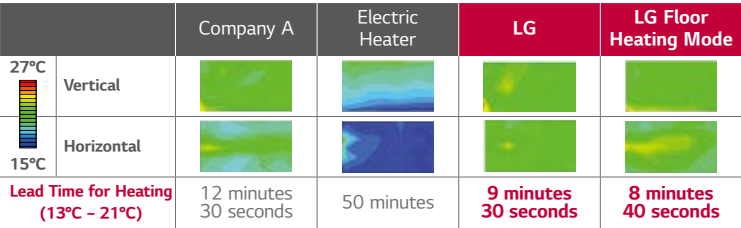
Optimised Air Flow for Cooling & Heating

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.



Quick Floor Heating

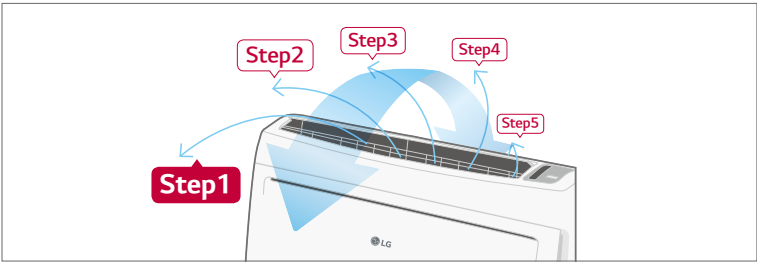
Console air conditioners portray high speed and powerful performance. Using the floor heating mode, console air conditioners provide floor heating at a faster pace in order to reach desired temperature more quickly.



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

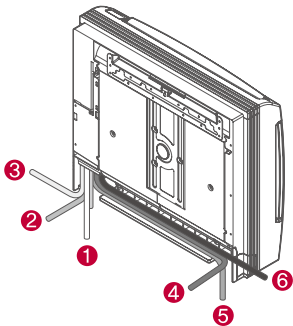
5-Step Vane Control

There are 5 different stages to control air flow direction.

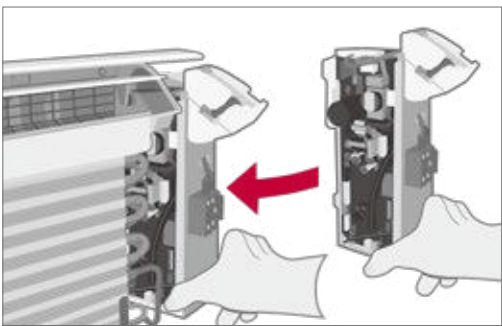


Easy Installation and Service

6 Different Ways to Install Piping



Easy Slide-type PCB



CONSOLE



STANDARD INVERTER (R32)

UQ09F
UQ12F
UQ18F



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UUA1 ULO

UUB1 U20



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 NAO	UQ12F NAO	UQ18F NAO
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Power Input (IDU)		H / M / L	W	37 / 30 / 25	37 / 30 / 25	44 / 39 / 35
Air Flow Rate		H / M / L	m³/min	8.5 / 6.7 / 5.0	8.5 / 6.7 / 5.0	10.1 / 8.6 / 7.2
Dimensions	Body	W x H x D	mm	700 x 600 x 210	700 x 600 x 210	700 x 600 x 210
Weight	Body		kg	16.3	16.3	16.3
Sound Pressure Level	Cooling	H / M / L	dB(A)	38 / 32 / 27	38 / 32 / 27	44 / 39 / 35
Sound Power Level	Cooling	Max.	dB(A)	59	59	60
Piping Connections	Drain	O.D. / I.D.	mm	Ø16.7 / 12.2	Ø16.7 / 12.2	Ø16.7 / 12.2
OUTDOOR				UUA1 ULO	UUB1 U20	
Power Supply			Ø, V, Hz	1, 220-240, 50		1, 220-240, 50
Circuit Breaker		Min	A	15		20
Power Supply Cable (included Earth)			No x mm³	3C x 1.5		3C x 2.5
Dimensions	Net	W x H x D	mm	770 x 545 x 288		870 x 650 x 330
Weight	Net		kg	33.3		44.5
Compressor	Type		-	Twin Rotary		Twin Rotary
	Type		-	R32		R32
Refrigerant	GWP (Global Warming Potential)		-	675		675
	Precharged Amount		kg	1.0		1.2
	t-CO ₂ eq.		-	0.675		0.81
	Additional Charge (After 7.5m)		g/m	20		20
Fan	Air Flow Rate	Rated	m³/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

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- Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
- Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
- Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.

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

4. This product contains fluorinated greenhouse gases (R32)

FLOOR STANDING UNIT



FLOOR STANDING UNIT

Stylish Design

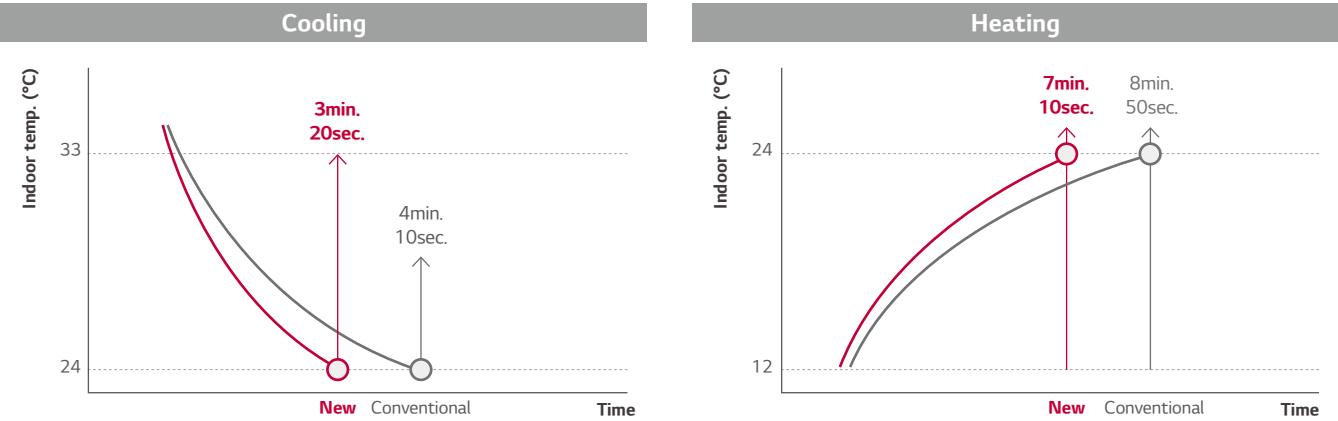
The new LG floor standing air conditioner which is Red Dot design award winner 2013, is ideal for modern interiors in your home or office.



reddot design award
winner 2013

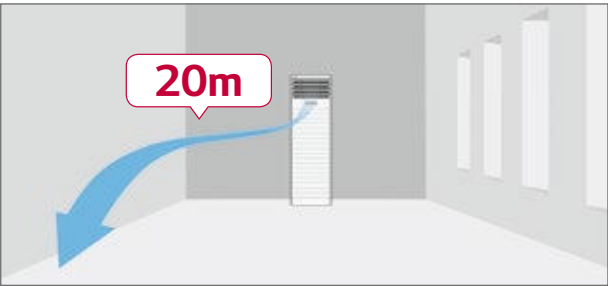
Quick Response

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.



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

STANDARD INVERTER (R410A)

UP48



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

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			-	-
Annual Energy Consumption	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 :

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- Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
- Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
- Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.

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

4. This product contains fluorinated greenhouse gases (R410A)

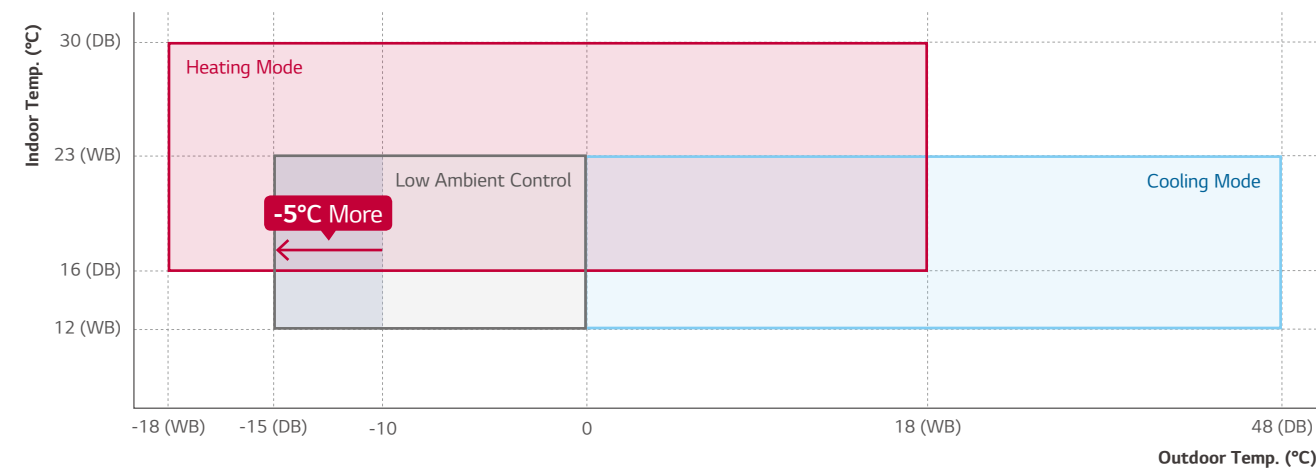
WALL MOUNTED UNIT



WALL MOUNTED UNIT

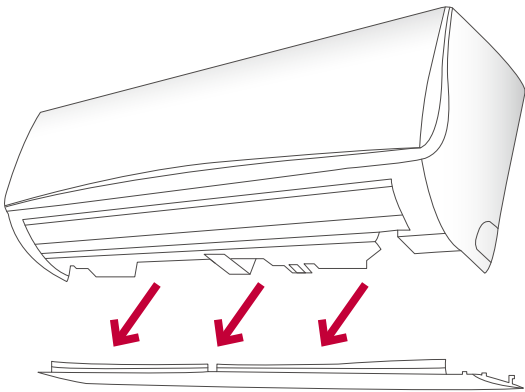
Wide Operational Range

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

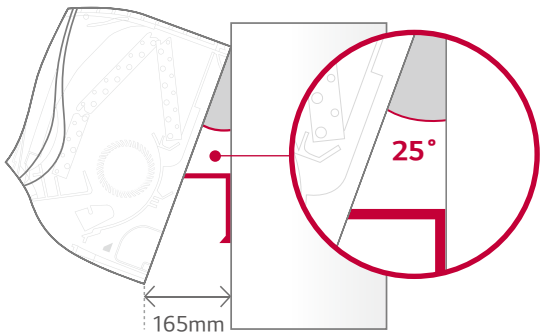


Easy Installation

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.



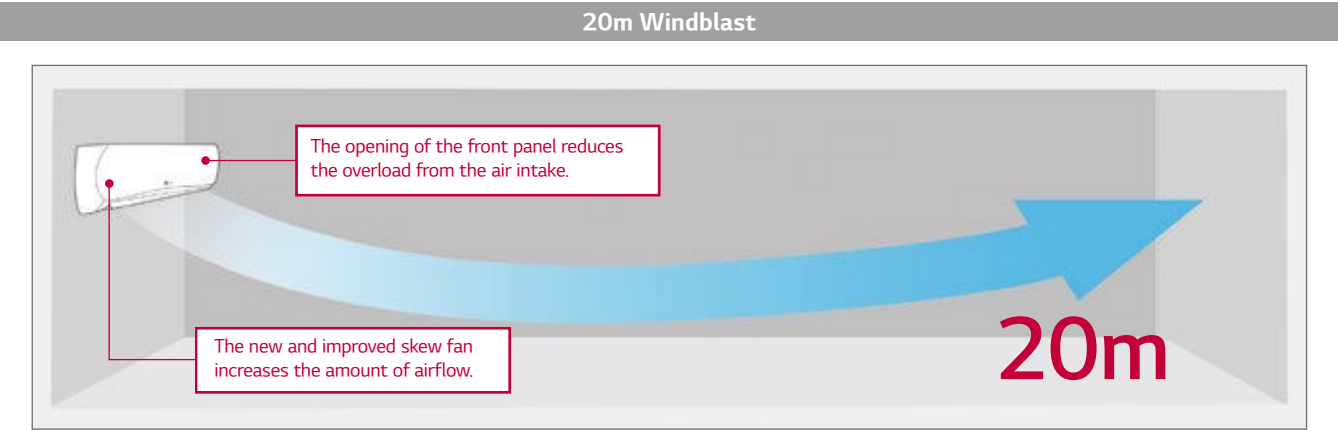
WALL MOUNTED UNIT

High Energy Efficiency

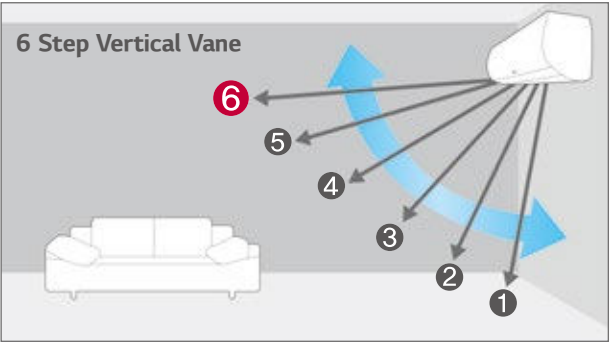
New wall mounted units provide good seasonal energy efficiency connected with Standard Inverter outdoor units.

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

Powerful Cooling & Heating



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



STANDARD INVERTER (R32)

US30F / US36F



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

UUC1 U40

UUD1 U30

UUD3 U30



COMBINATION				30	36	36
Capacity	Cooling	Min ~ Rated ~ Max	kW	3.2 / 8.0 / 9.0	3.8 / 9.5 / 12.5	3.8 / 9.5 / 12.5
	Heating	Min ~ Rated ~ Max	kW	3.6 / 9.0 / 10.0	4.3 / 10.8 / 13.4	4.3 / 10.8 / 13.4
Power Input (Set)	Cooling	Min ~ Rated ~ Max	kW	0.50 / 2.28 / 3.17	0.30 / 2.57 / 3.91	0.30 / 2.57 / 3.91
	Heating	Min ~ Rated ~ Max	kW	0.50 / 2.5 / 3.20	0.50 / 2.77 / 3.77	0.50 / 2.77 / 3.77
Running Current	Cooling	Rated	A	10.1	11.4	4.1
	Heating	Rated	A	11.1	12.2	4.4
EER / COP			kWh/kWh	3.51 / 3.60	3.70 / 3.90	3.70 / 3.90
SEER / SCOP			kWh/kWh	7.0 / 4.3	6.10 / 3.85	6.10 / 3.85
Pdesign	Cooling @ 35°C		kW	8	9.5	9.5
	Heating @ -10°C		kW	5.4	8.7	8.7
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A	A++ / A
Annual Energy Consumption	Cooling / Heating		kWh	400 / 1,758	545 / 3,164	545 / 3,164
Dehumidification Rate			l/h	2.9	3.8	3.8
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	50 / 52	50 / 50	50 / 50
ODU Sound Power Level	Cooling	Rated	dB(A)	68	66	66
Piping Connections	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	°C	-20 ~ 50	-20 ~ 52	-20 ~ 52
	Heating	Min ~ Max	°C	-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
Power Input (IDU)				H / M / L	W	65 / 47 / 42
Air Flow Rate				H / M / L	m³/min	21 / 17 / 13
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
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 mm³	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 ₂ eq.		-	1.283	2.025	2.025
	Additional Charge (After 7.5m)		g/m	40	40	40
Fan	Air Flow Rate	Rated	m³/min x No.	58 × 1	55 × 2	55 × 2
Total Piping Length			Min / Max	m	5 / 50	5 / 85
Piping Elevation		IDU - ODU	Max	m	30	30

- Note :
- Due to our policy of innovation some specifications may be changed without notification.
 - 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.
 - 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
 - This product contains fluorinated greenhouse gases (R32)

WALL MOUNTED UNIT



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°C		kW	7.5	9.5
	Heating @ -10°C		kW	4.3	5.8
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	386 / 1,468	520 / 1,980
Dehumidification Rate			l/h	3.0	3.5
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	50 / 54	54 / 56
ODU Sound Power Level	Cooling	Rated	dB(A)	67	70
	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared
Operation Range (Outdoor)	Cooling	Min ~ Max	°C	-10 ~ 48	-20 ~ 50
	Heating	Min ~ Max	°C	-15 ~ 18	-15 ~ 18

INDOOR				US30F NR0	US36F NR0
Power Supply				Ø, V, Hz	1, 220-240, 50
Power Input (IDU)				H / M / L	W
Air Flow Rate				H / M / L	m³/min
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
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 mm³	3C x 2.5	3C x 2.5
Dimensions	Net	W x H x D	mm	870 x 650 x 330	950 x 834 x 330
Weight	Net		kg	44.5	57.7
Compressor	Type		-	Twin Rotary	Twin Rotary
Refrigerant	Type		-	R32	R32
	GWP (Global Warming Potential)		-	675	675
	Precharged Amount		kg	1.2	1.9
	t-CO ₂ eq.		-	0.81	1.283
	Additional Charge (After 7.5m)		g/m	40	40
Fan	Air Flow Rate	Rated	m³/min x No.	50 x 1	58 x 1
Total Piping Length		Min / Max	m	5 / 35	5 / 50
Piping Elevation		IDU - ODU	Max	m	30

- Note :
- Due to our policy of innovation some specifications may be changed without notification.
 - 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.
 - 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
 - This product contains fluorinated greenhouse gases (R32)

AHU SOLUTION

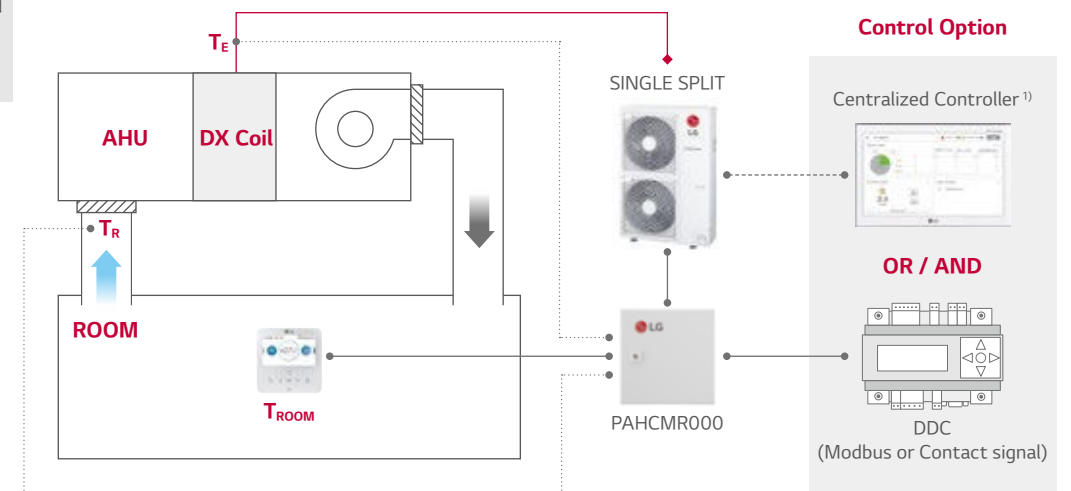
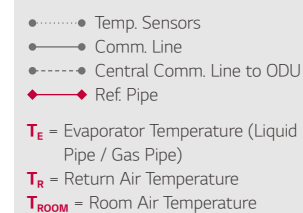
SINGLE SPLIT KEY FEATURES

AHU COMBINATION

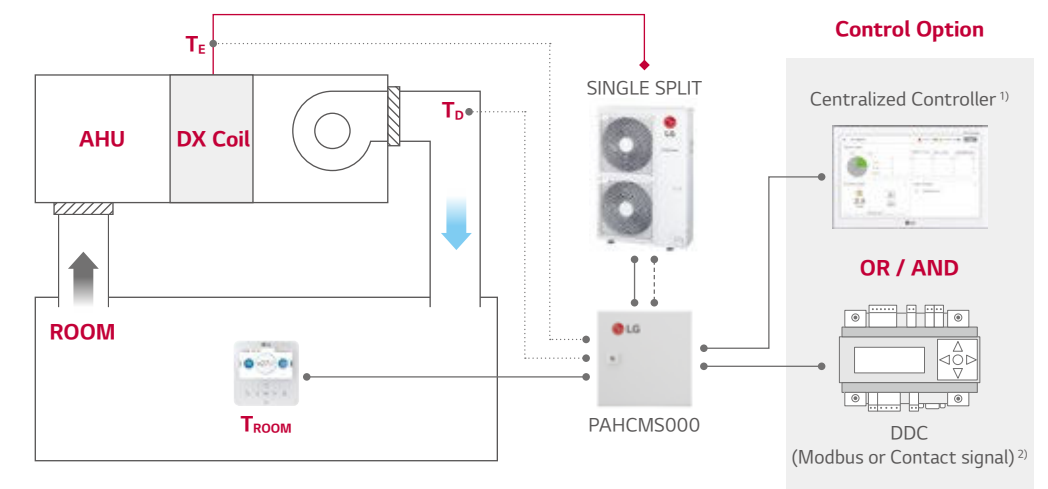
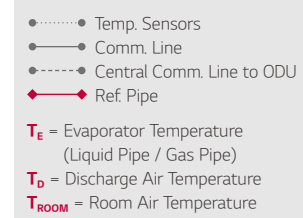
Air Handling Applications

Economically feasible solution for pair application with air handling units.

Return/Room Air Temperature Control



Discharge Air Temperature Control

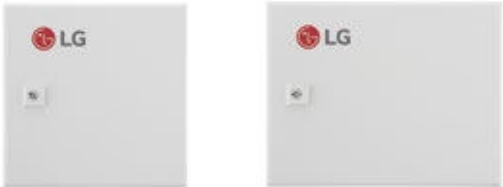


1) PI485(PMNF14A1) is required for using centralized controller
 2) In case of applying DDC with contact signal, discharge air temperature should be measured and controlled by DDC
 3) For more detail, please refer to the PDB of AHU Communication Kit

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°C	-	
	Discharge Air Temperature ²⁾	-	16~30°C	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 ULO	UUB1 U20	UUC1 U40	UUD1 U30 UUD3 U30	UU70W.U34	UU85W.U74
Capacity Index	kBtu/h	9 ~ 18	18 ~ 30	24 ~ 36	36 ~ 60	70	85
	Range kW	2.5 ~ 5.0	5.0 ~ 8.0	6.8 ~ 10.0	10.0 ~ 14.6	20.0	25.0
PAHCMR000		X	0	0	0	0	0
PAHCMS000		X	0	0	0	0	0

ACCESSORIES



LG WI-FI MODEM

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

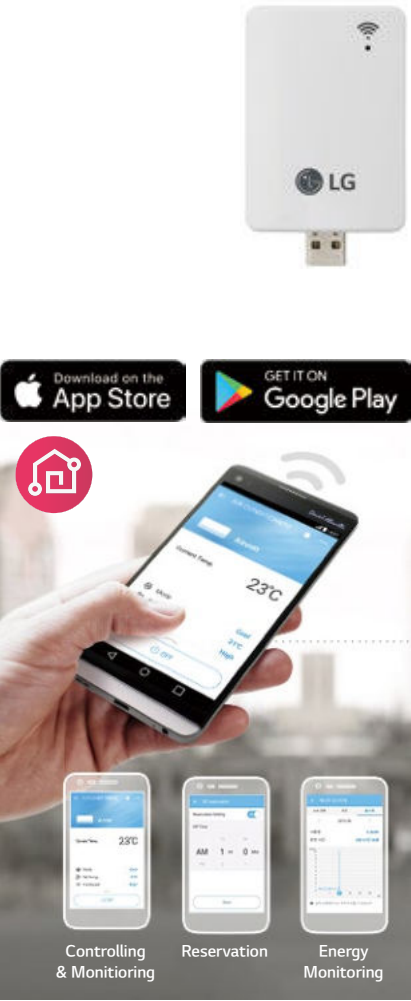
PWFMDD200

Features

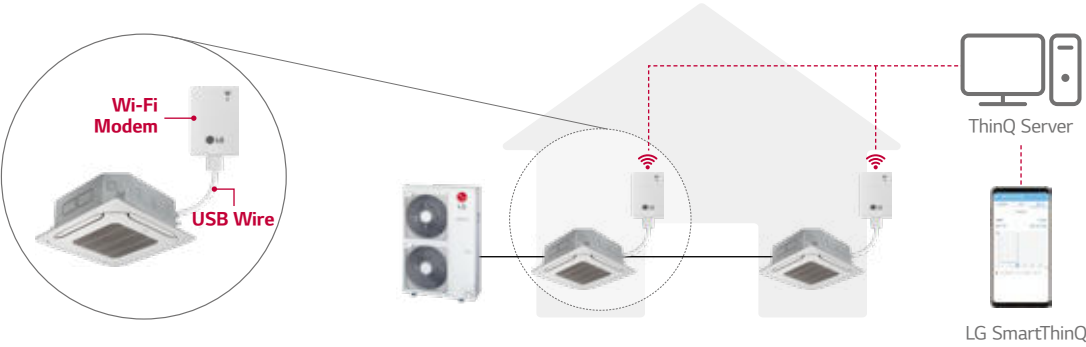
- Access LG air conditioner anytime and from anywhere with Wi-Fi equipped device
- LG's exclusive Home Appliances control app(ThinQ) is available
- Simple operation for various functions
 - On/Off
 - Fan Speed
 - Energy Monitoring ¹⁾
 - Operation Mode
 - Vane Control ²⁾
 - Filter Management
 - Current/Set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



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



PREMTBB10

Standard II



PREMTB001



PREMTBB01

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

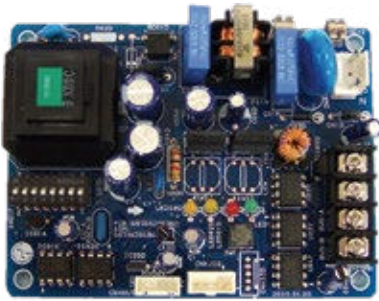
※ Refer to each model PDB for applicable models.

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 / Thermo 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.

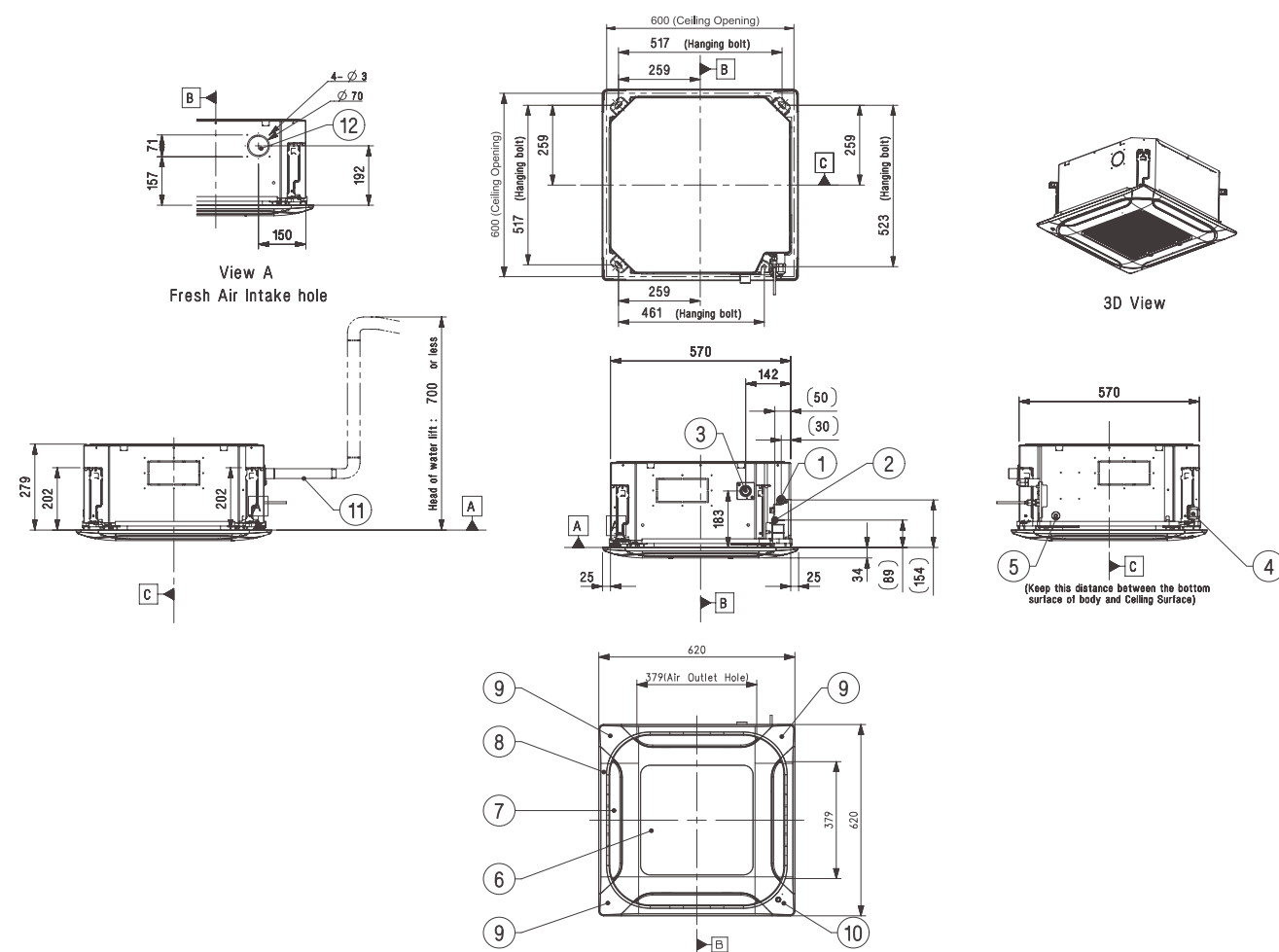
CEILING CASSETTE

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 Corner Display Cover
11	Flexible Drain Hose
12	Fresh air Intake Hole



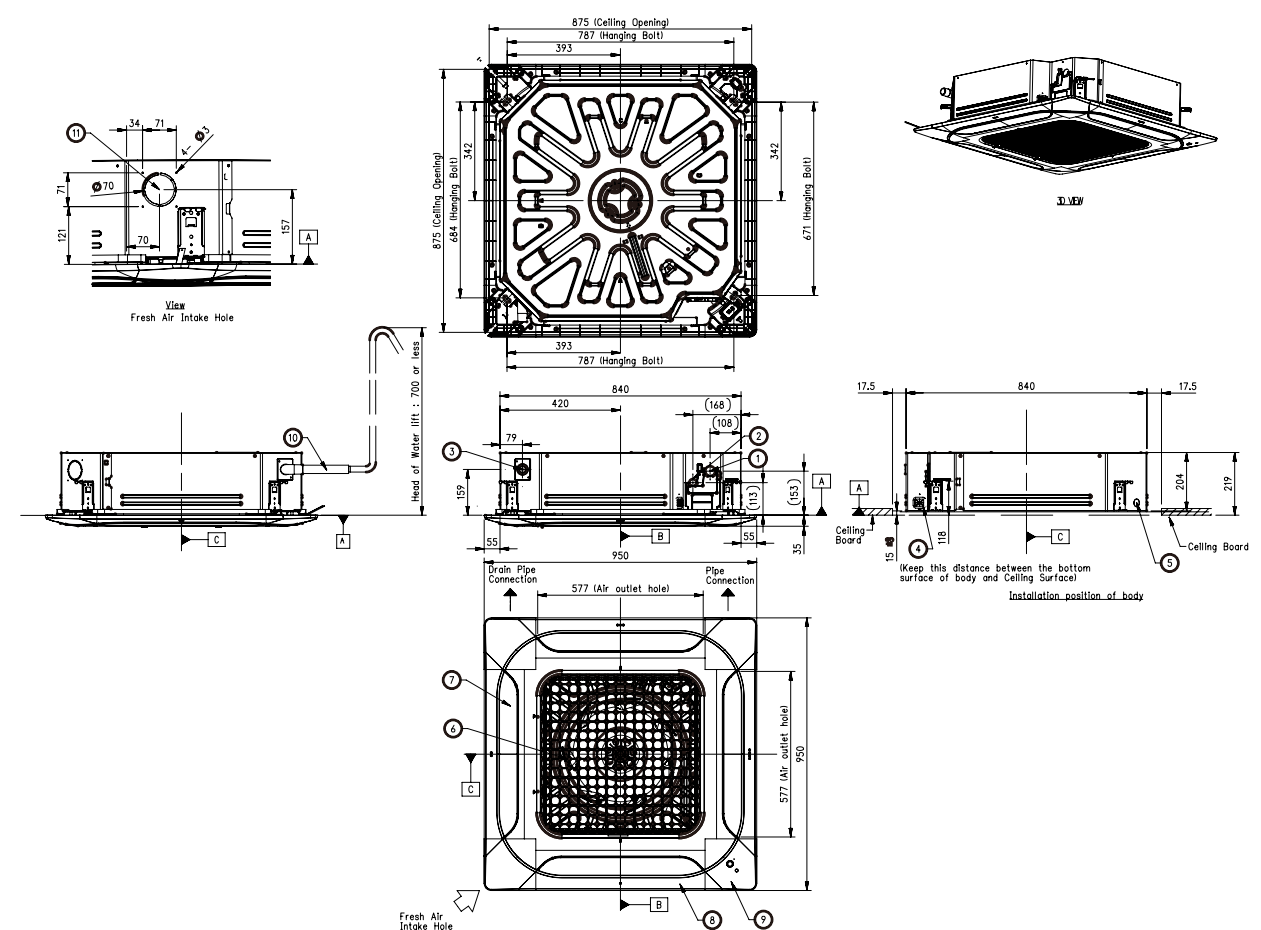
CEILING CASSETTE

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



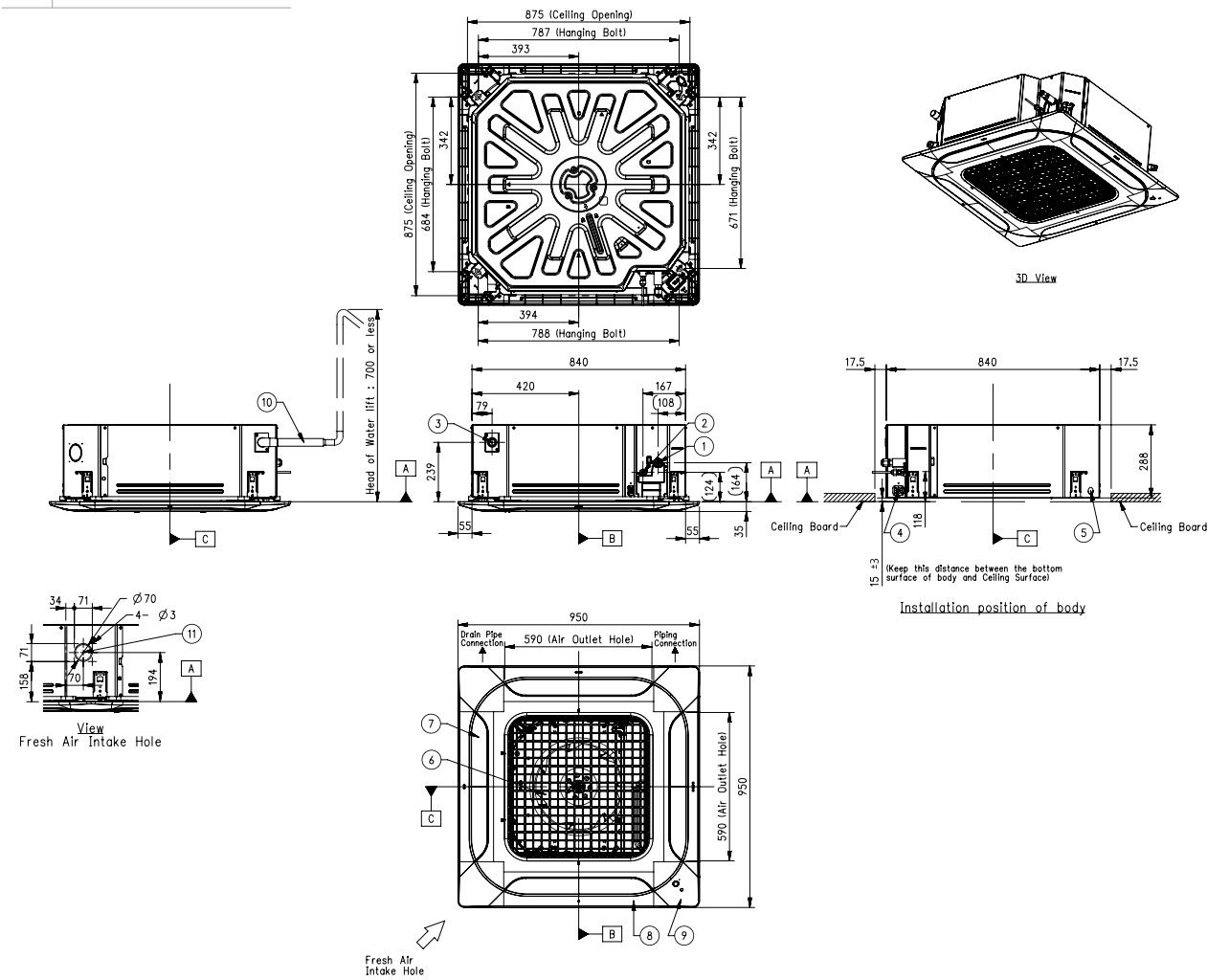
CEILING CASSETTE

H-INVERTER (R32)

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

(Unit : mm)

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



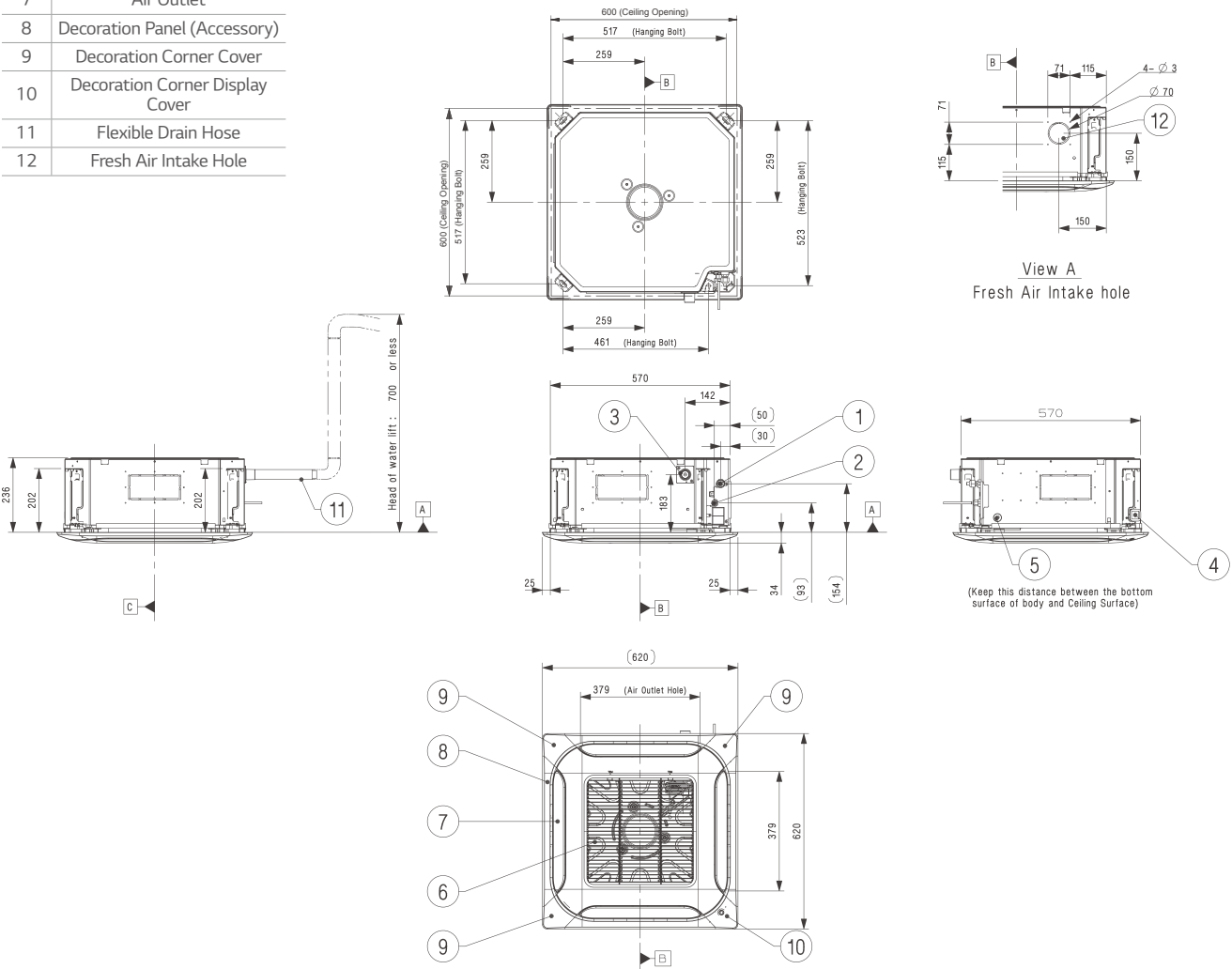
CEILING CASSETTE

STANDARD INVERTER (R32)

CT09F 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



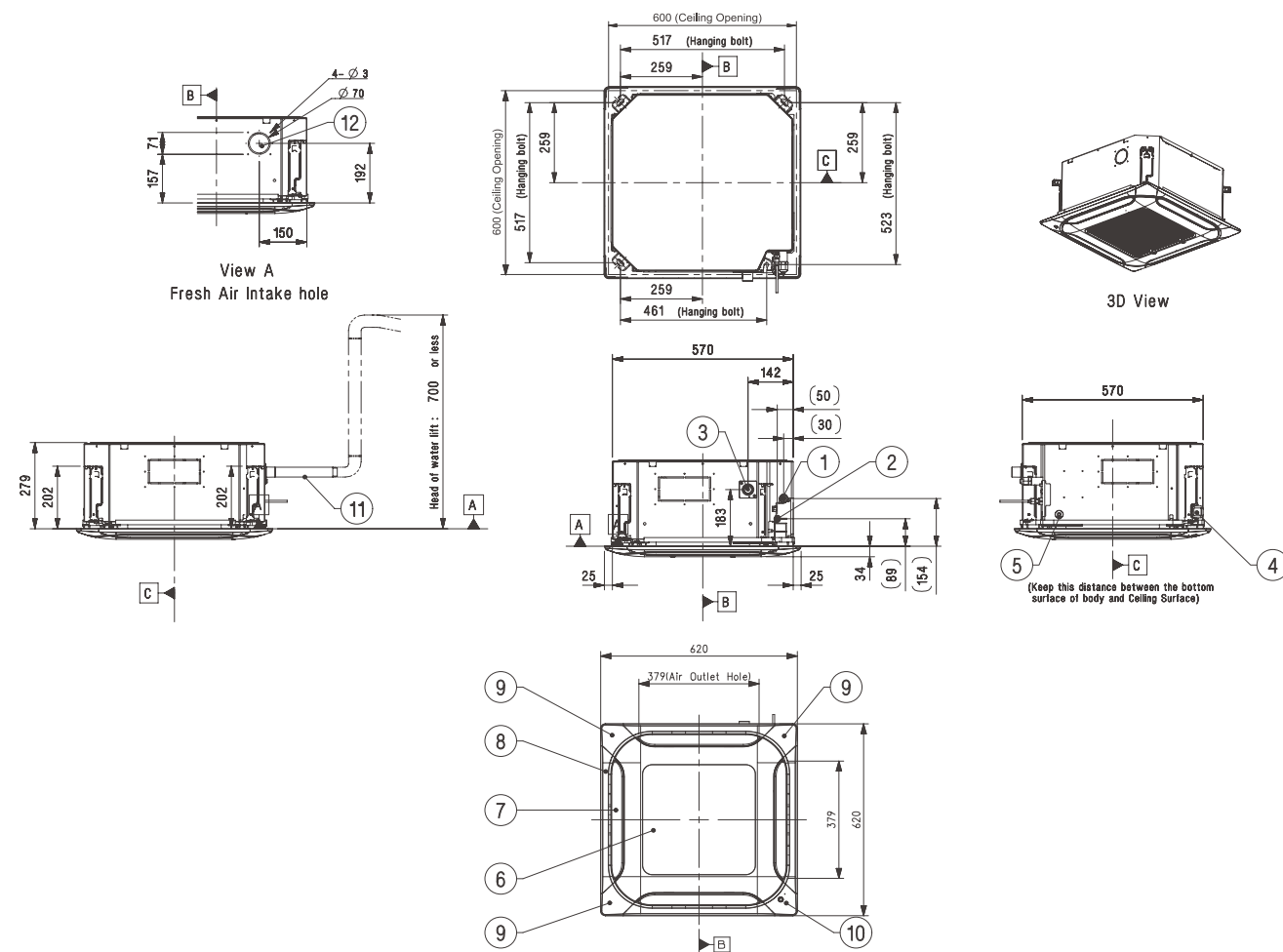
CEILING CASSETTE

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 Corner Display Cover
11	Flexible Drain Hose
12	Fresh air Intake Hole



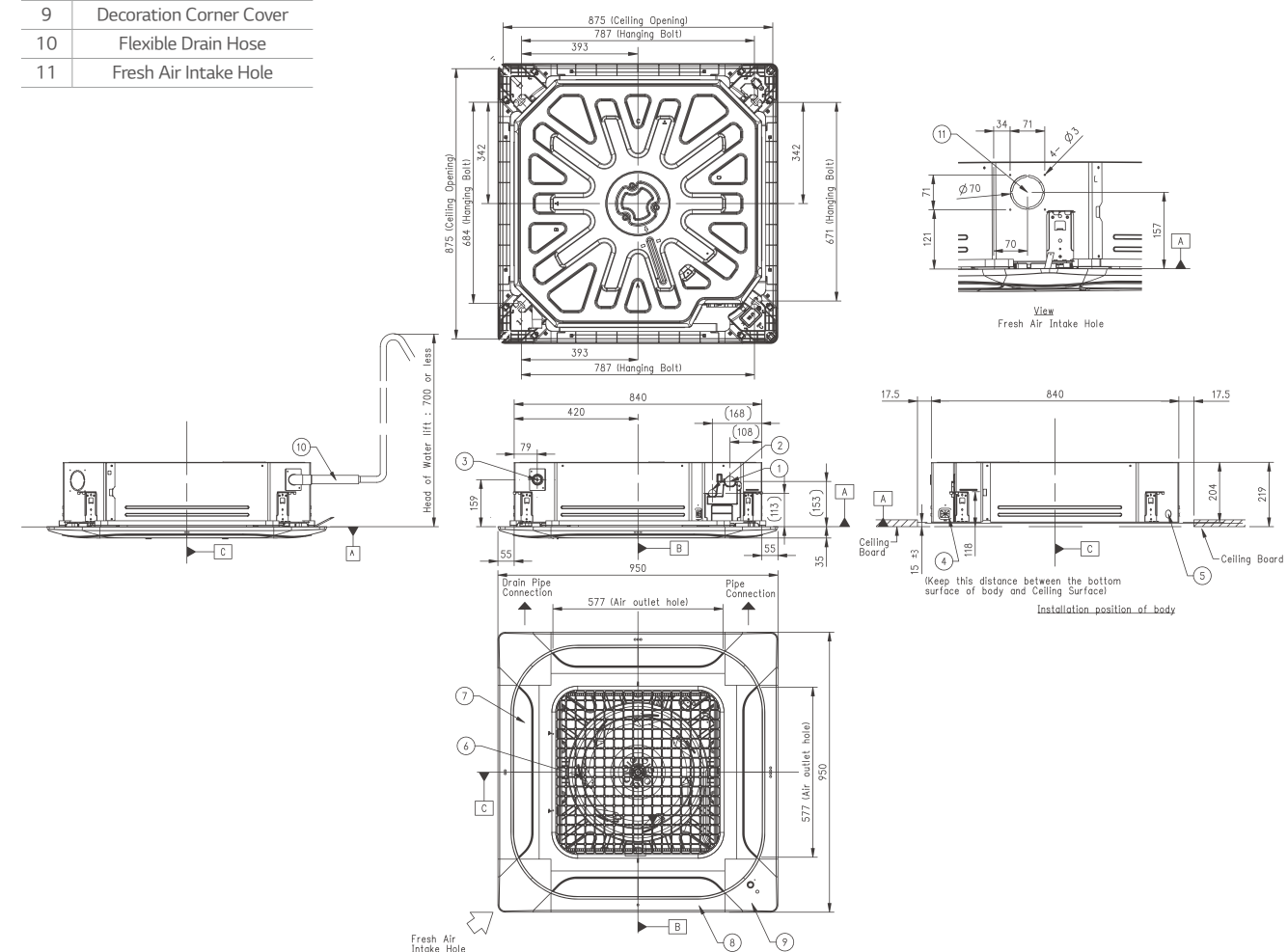
CEILING CASSETTE

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



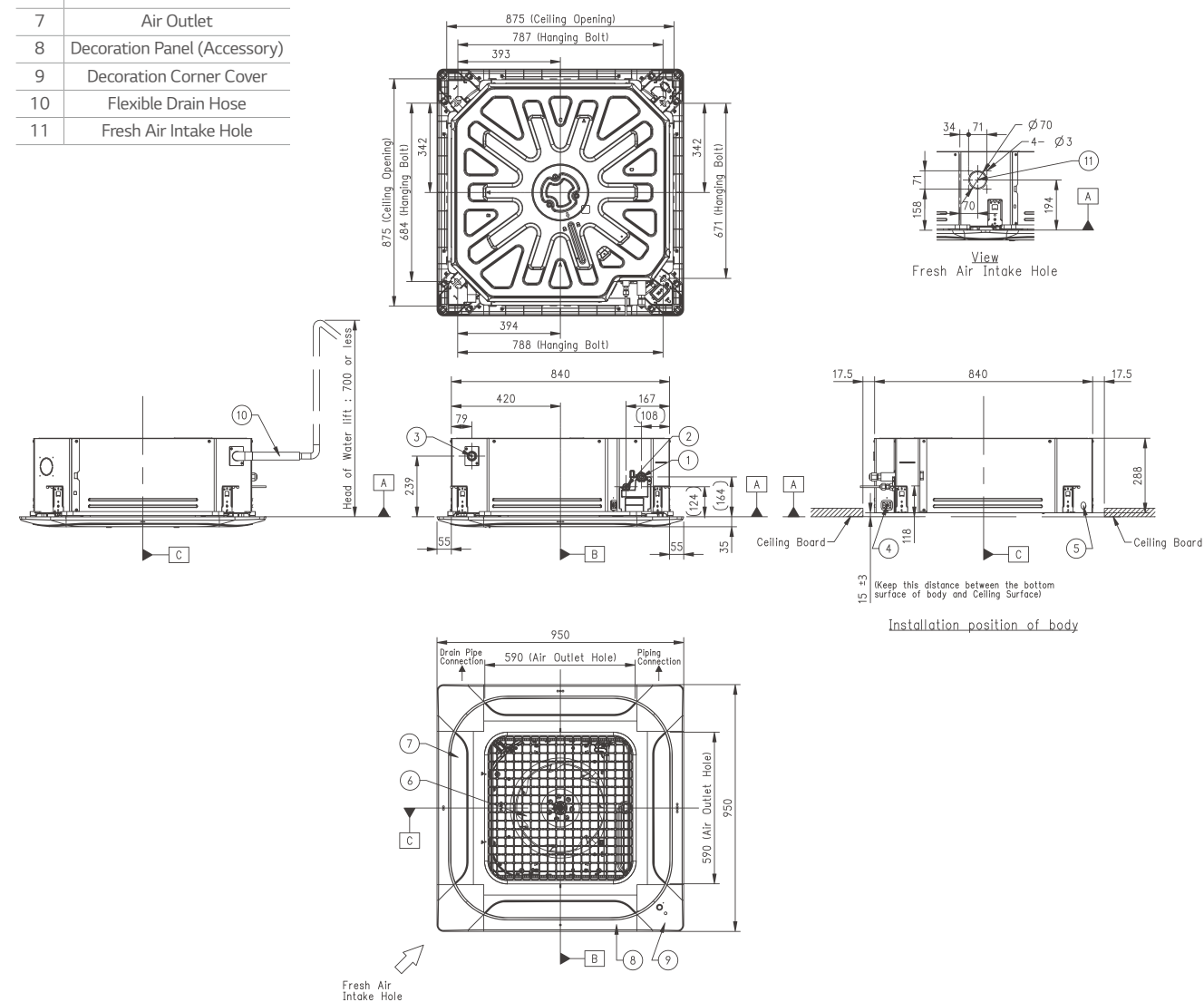
CEILING CASSETTE

STANDARD / COMPACT INVERTER (R32)

UT36F NAO

(Unit : mm)

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



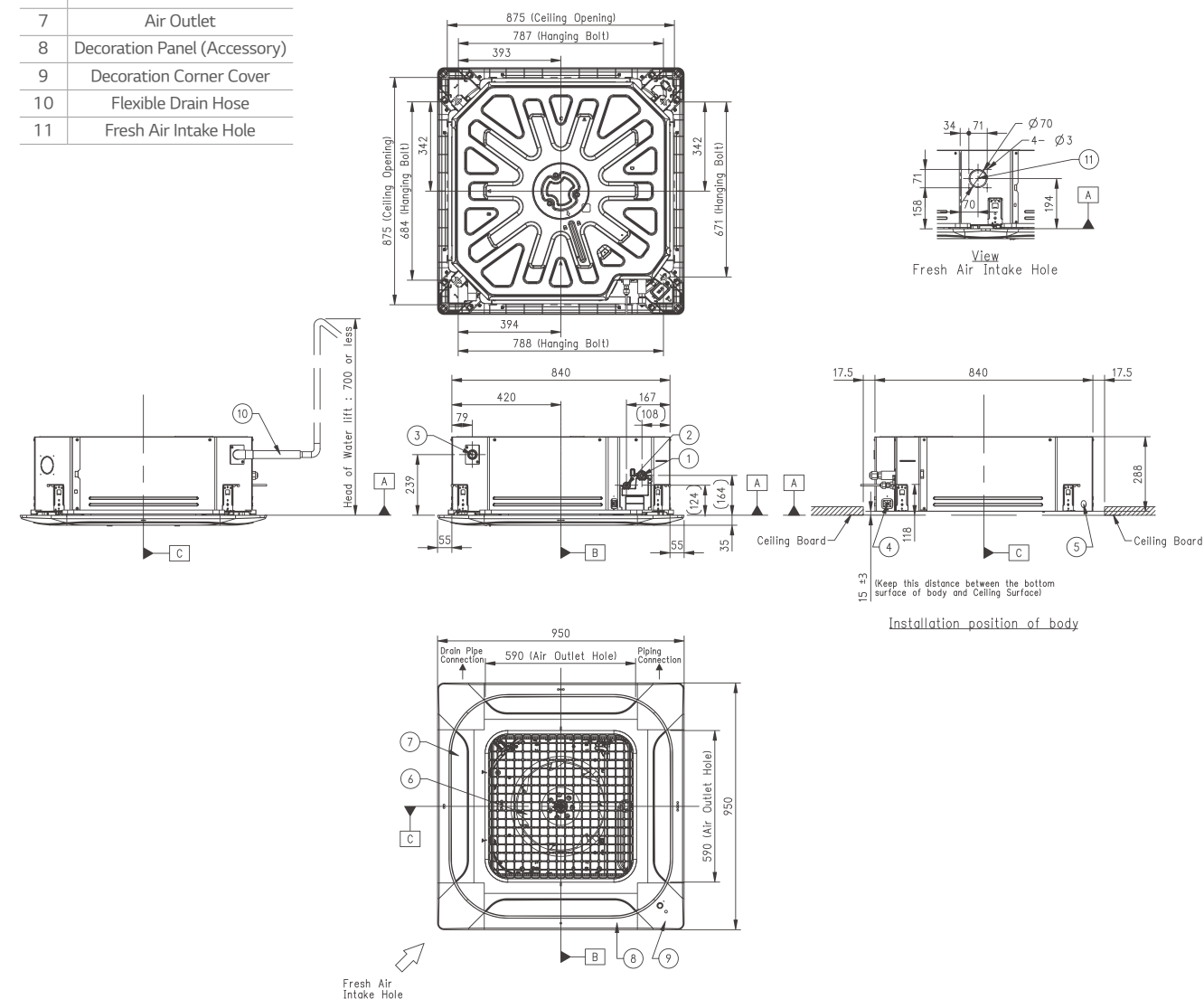
CEILING CASSETTE

STANDARD INVERTER (R32)

UT42F NAO / UT48F NAO / UT60F NAO

(Unit : mm)

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



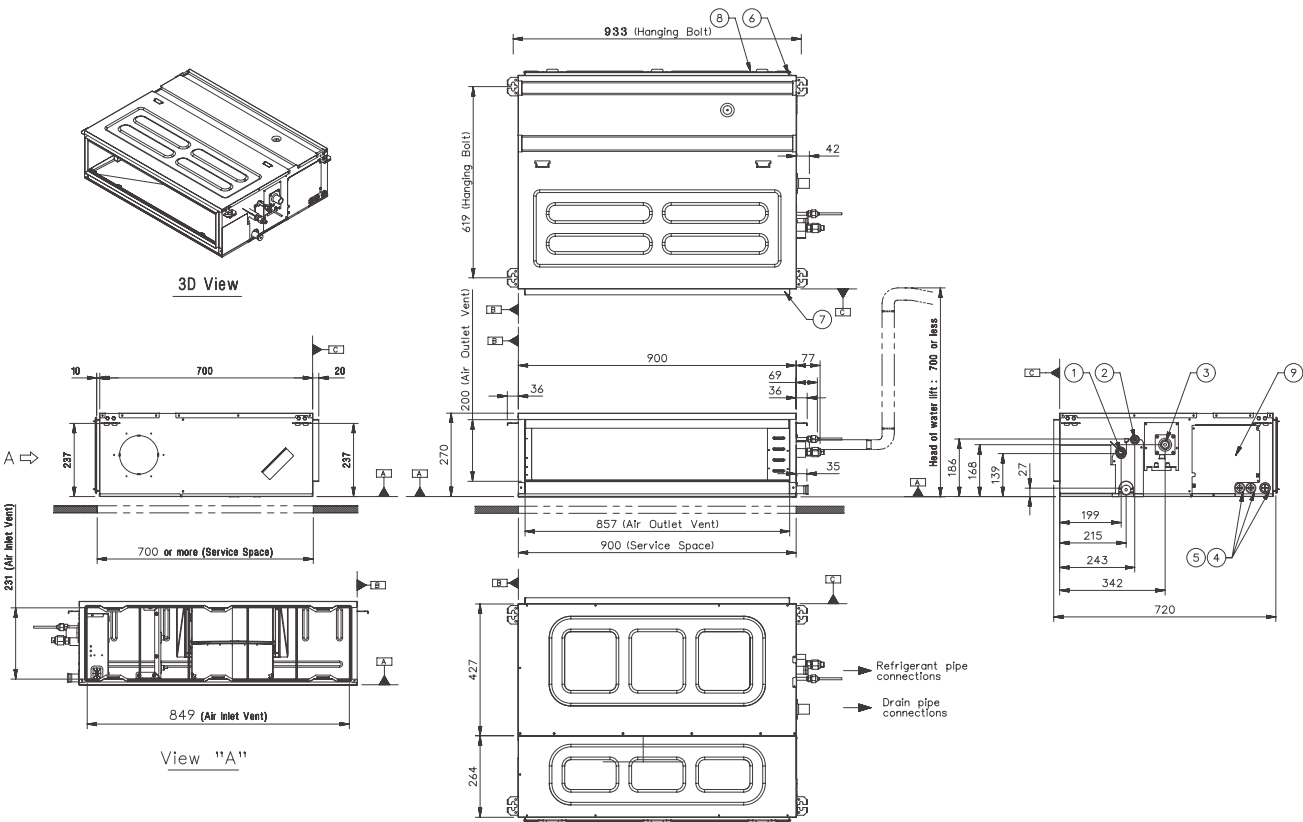
CEILING CONCEALED DUCT

H-INVERTER (R32) / MID STATIC

UM12FH N10 / UM18FH N10

(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



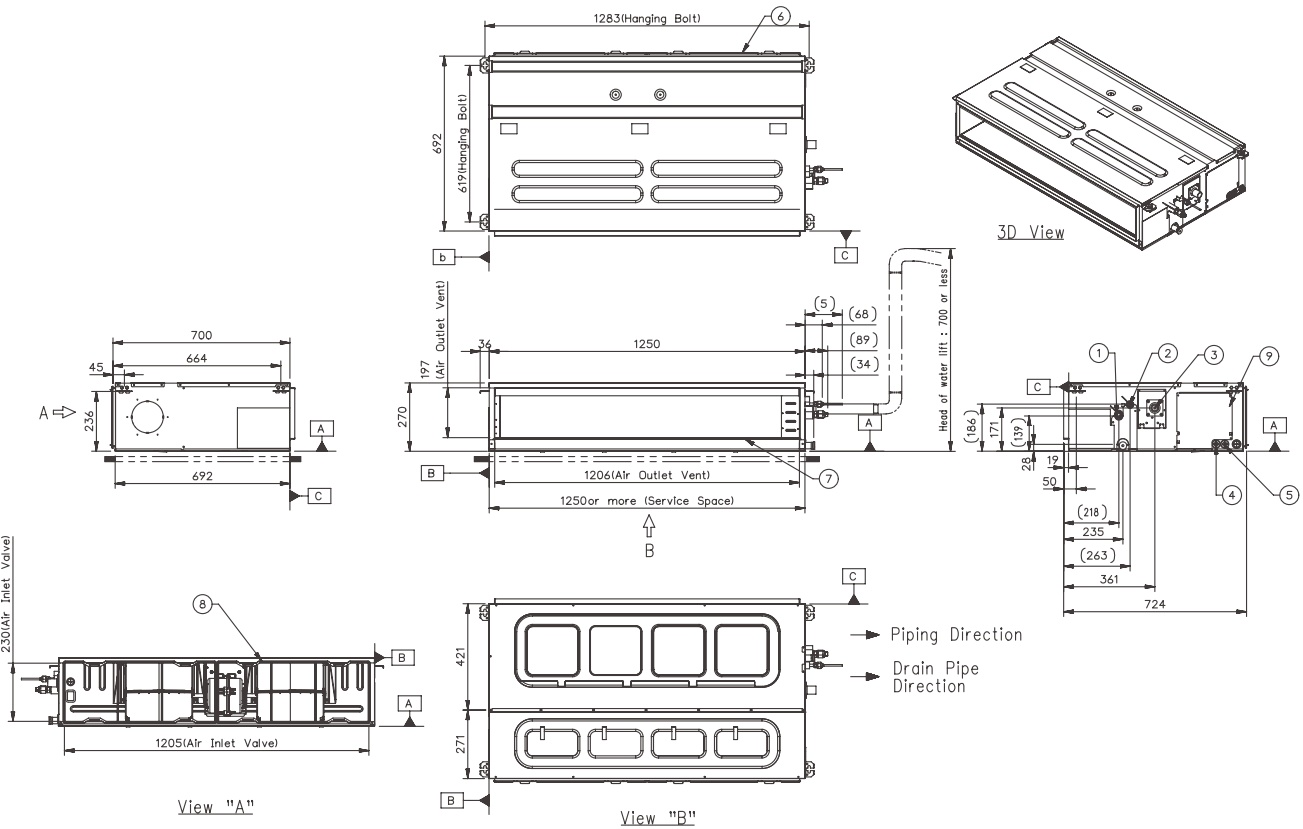
CEILING CONCEALED DUCT

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



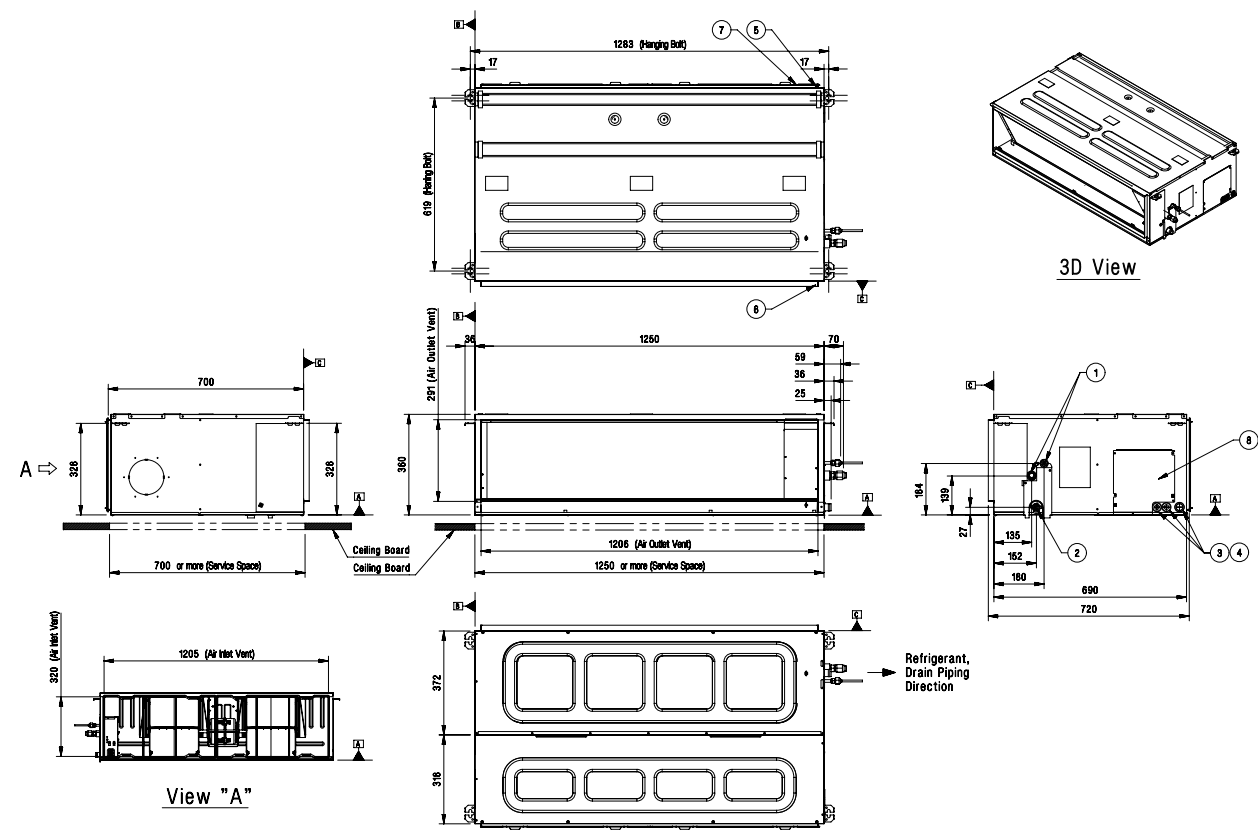
CEILING CONCEALED DUCT

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



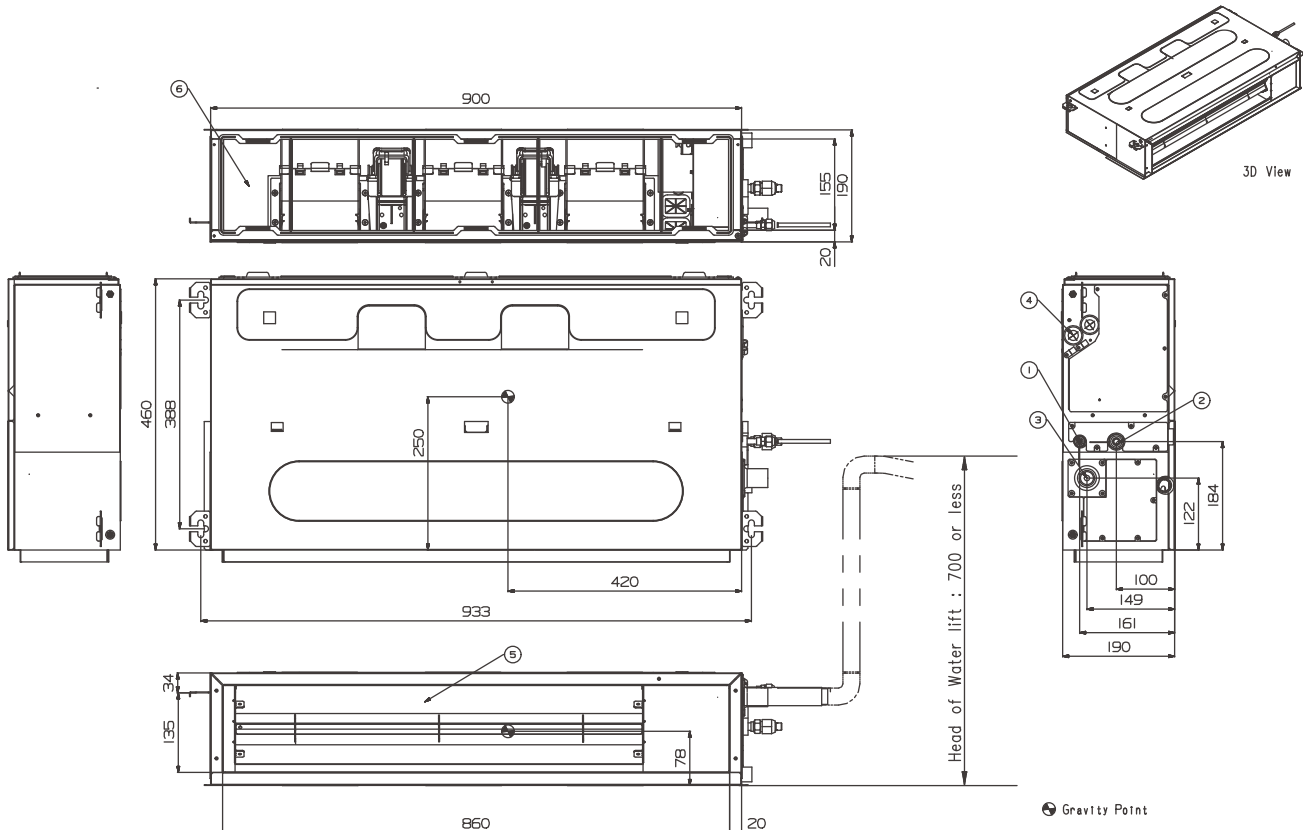
CEILING CONCEALED DUCT

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



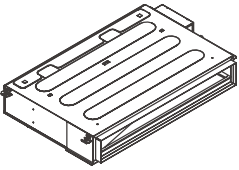
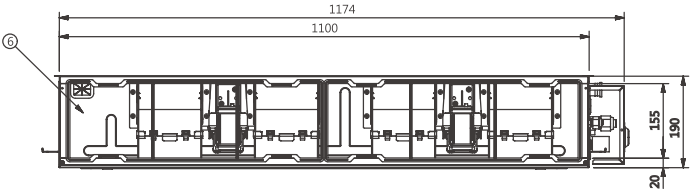
CEILING CONCEALED DUCT

H-INVERTER (R32) / LOW STATIC

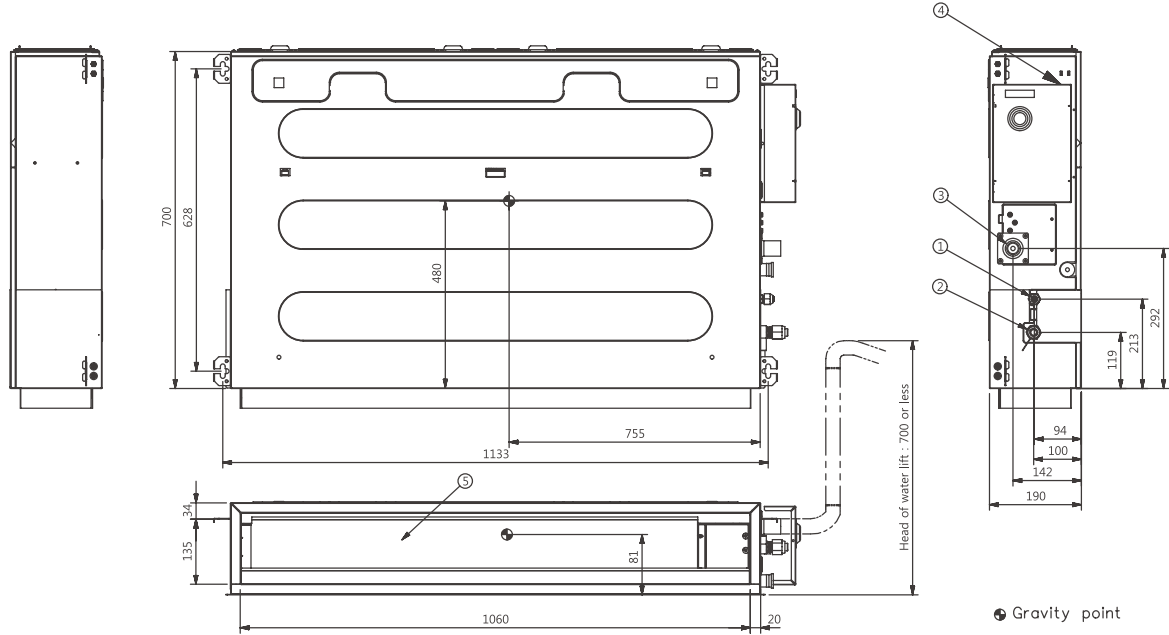
UL18FH N30

(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



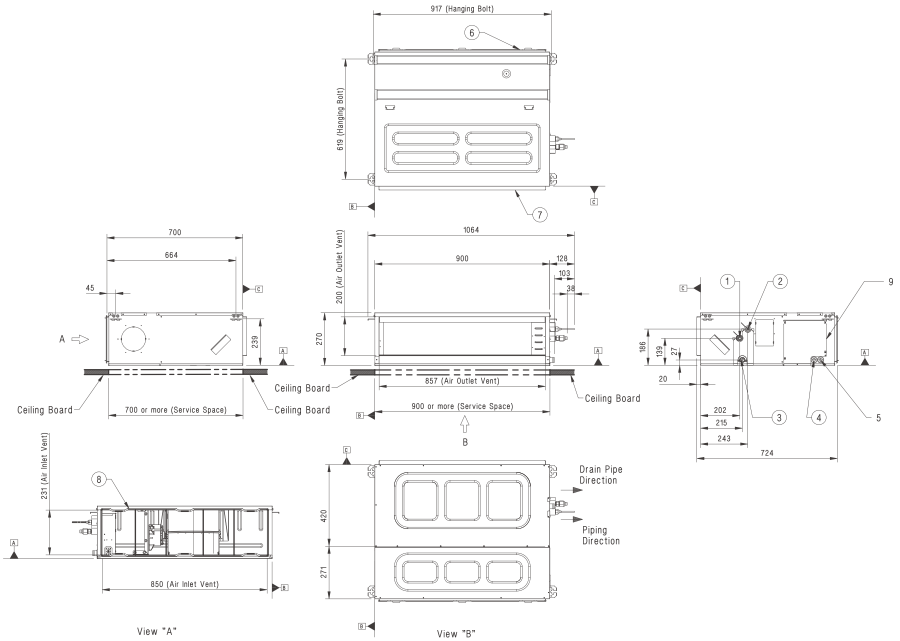
CEILING CONCEALED DUCT

STANDARD / COMPACT INVERTER (R32) / MID STATIC

CM18F N10 / CM24F N10 / UM30F N10

(Unit : mm)

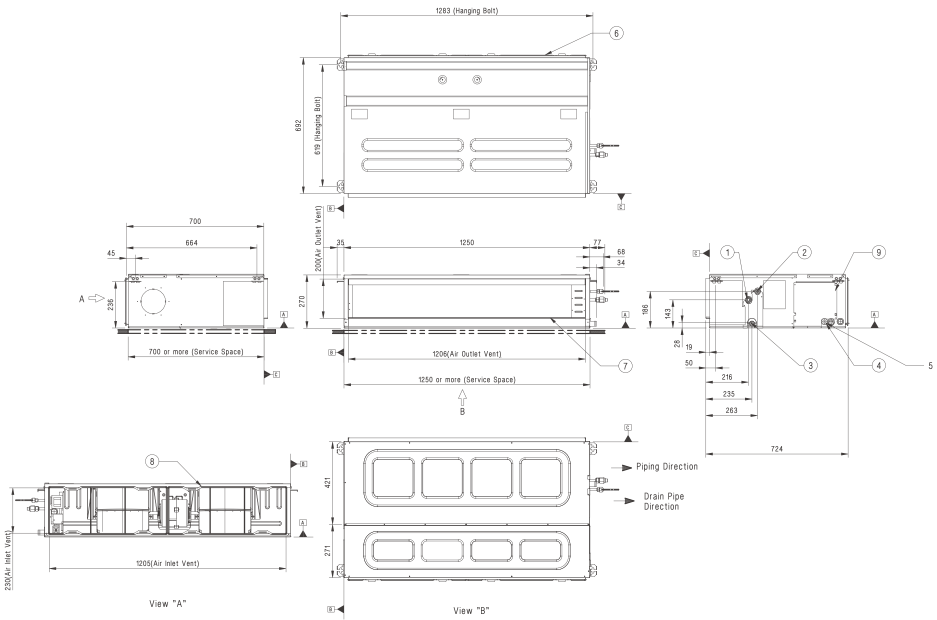
	Part Name
1	Gas Pipe Connection
2	Liquid Pipe Connection
3	Drain Pipe Connection
4	Power and Communication Cable Hole
5	Remote Controller Cable Hole
6	Air Inlet
7	Air Outlet
8	Air Filters
9	Control Cover



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



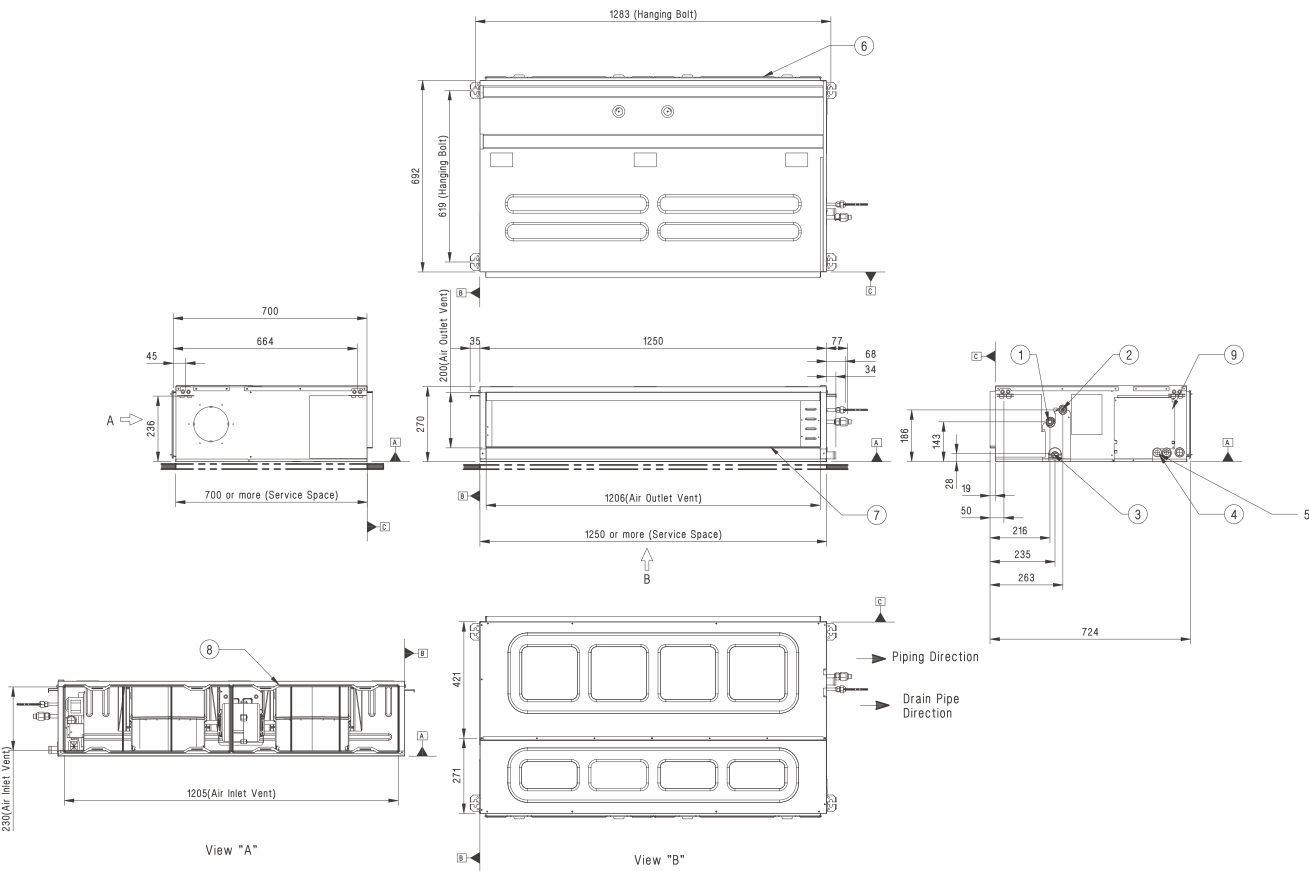
CEILING CONCEALED DUCT

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



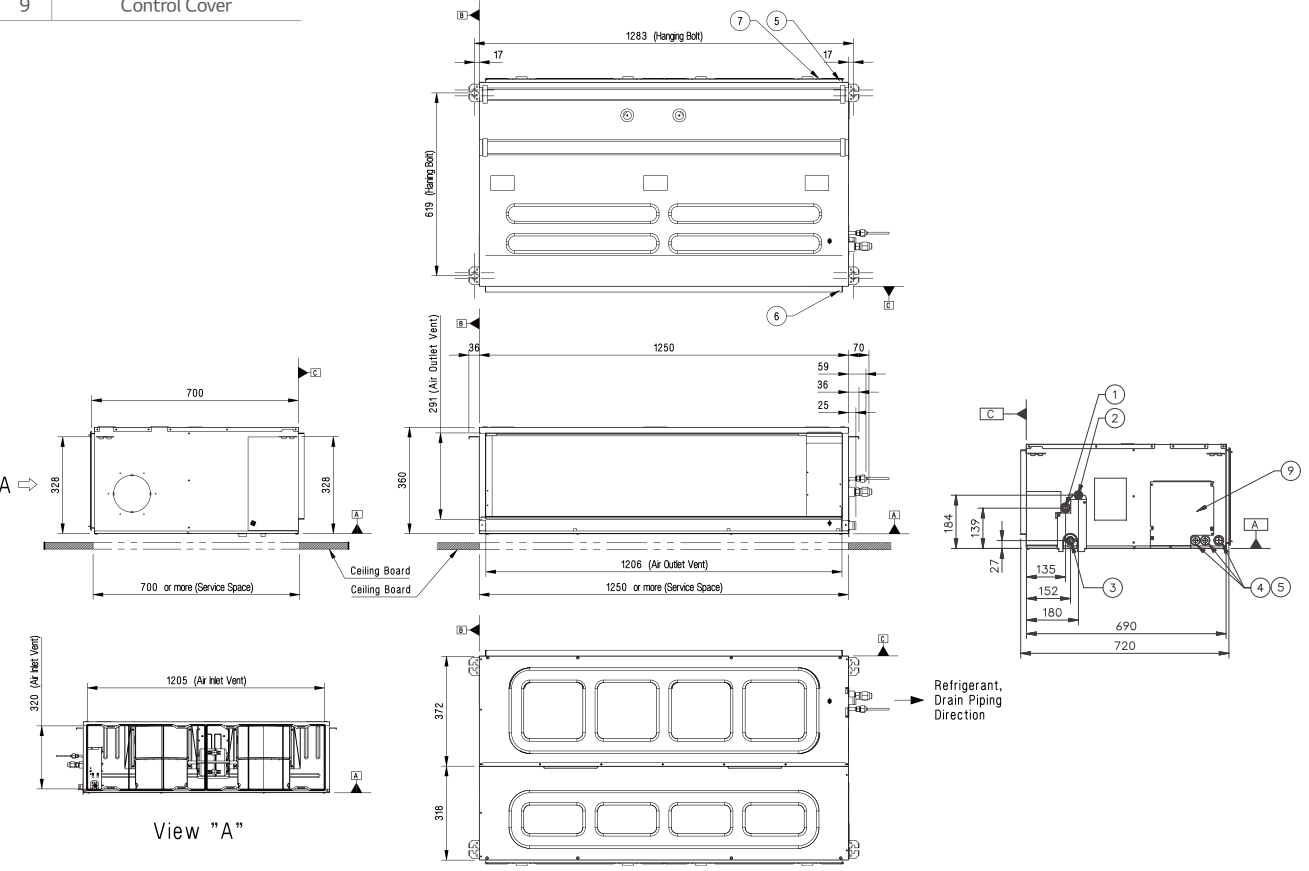
CEILING CONCEALED DUCT

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



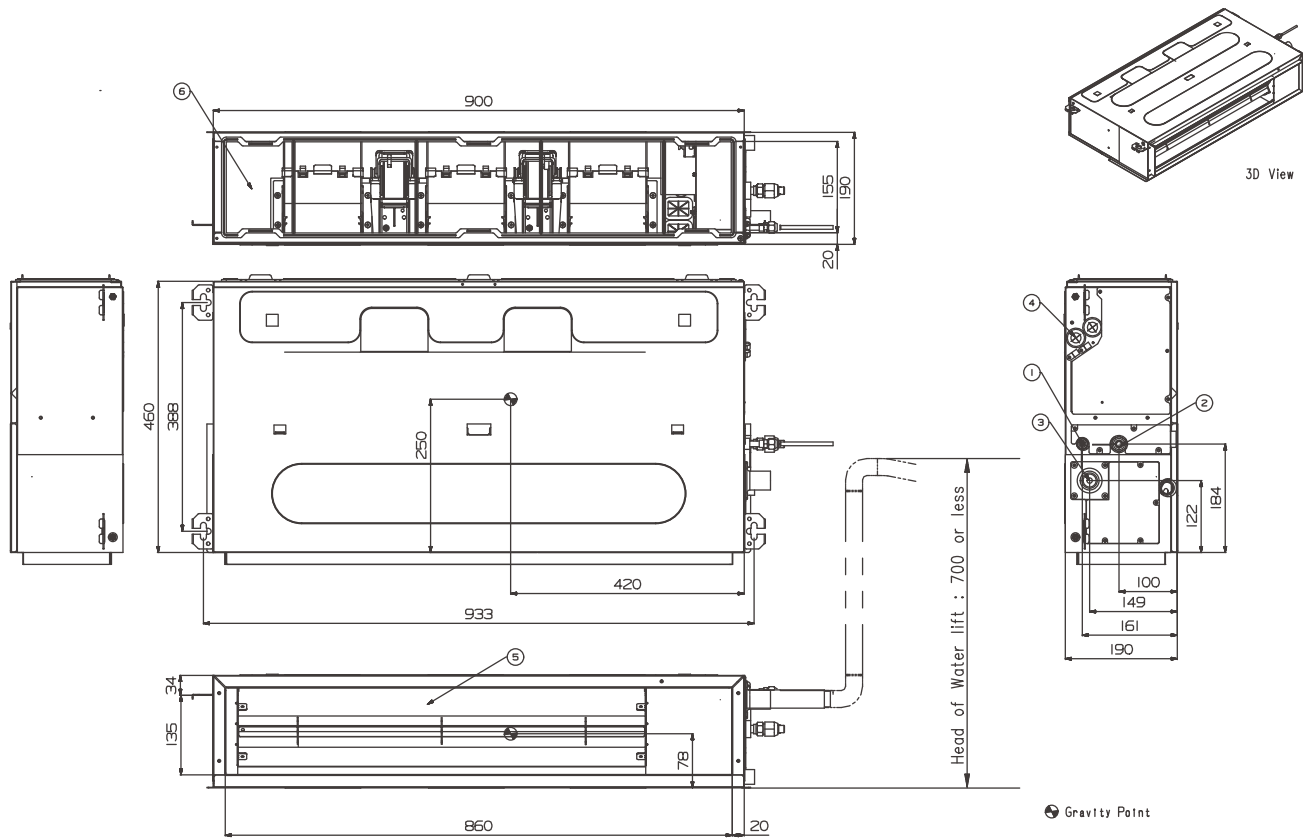
CEILING CONCEALED DUCT

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



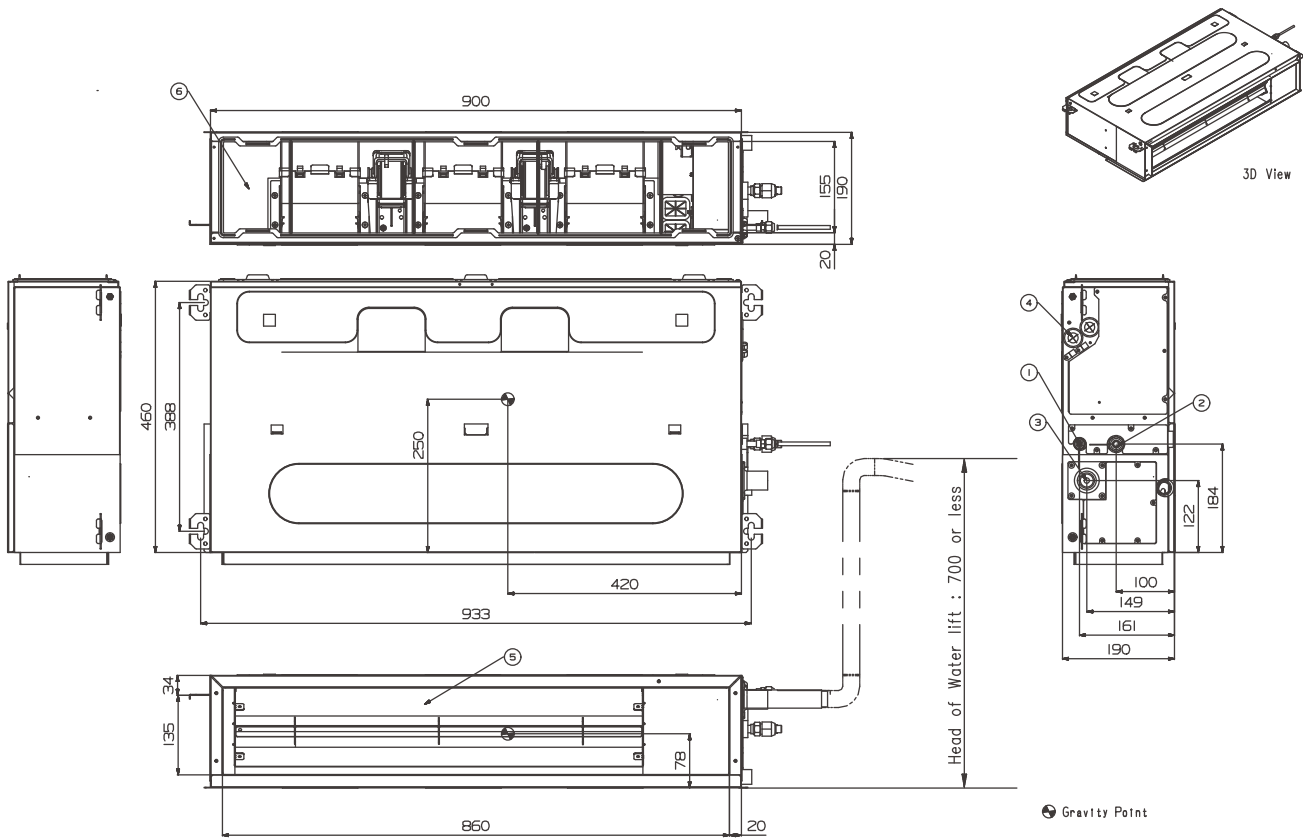
CEILING CONCEALED DUCT

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



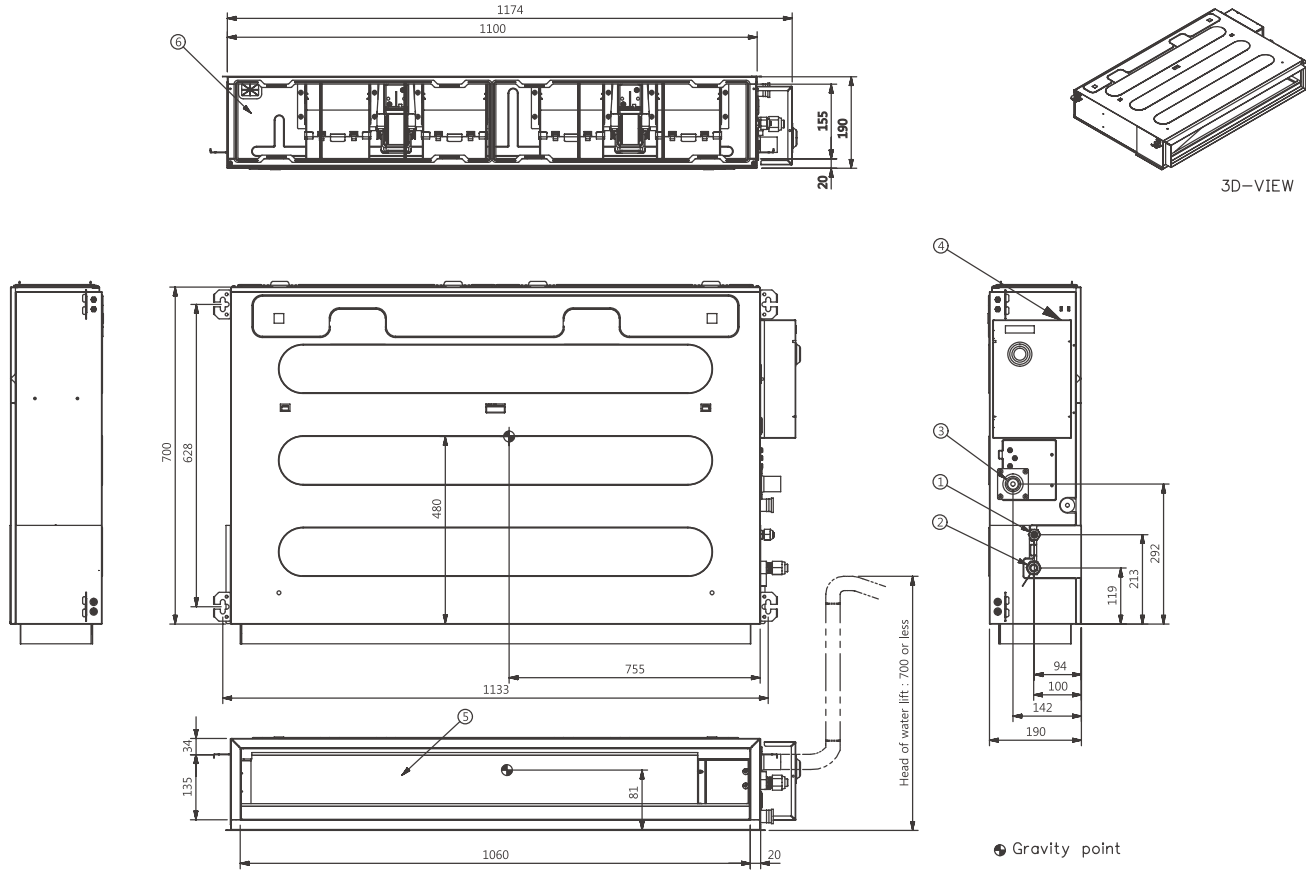
CEILING CONCEALED DUCT

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



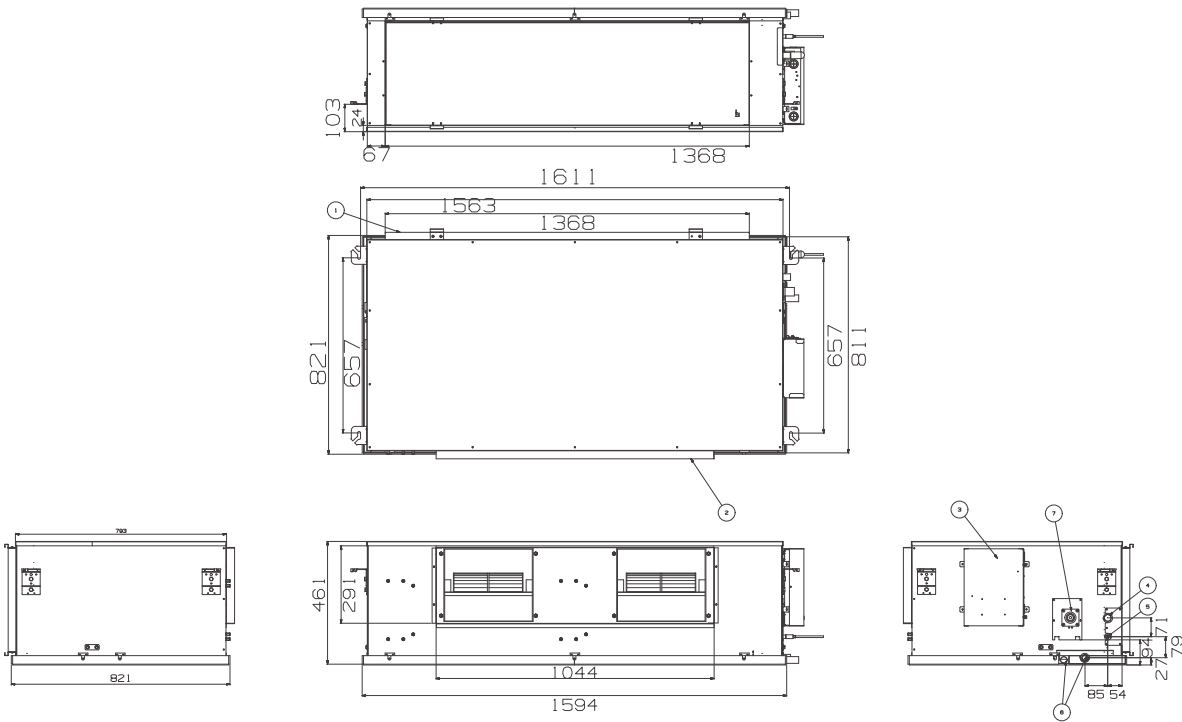
CEILING CONCEALED DUCT

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)



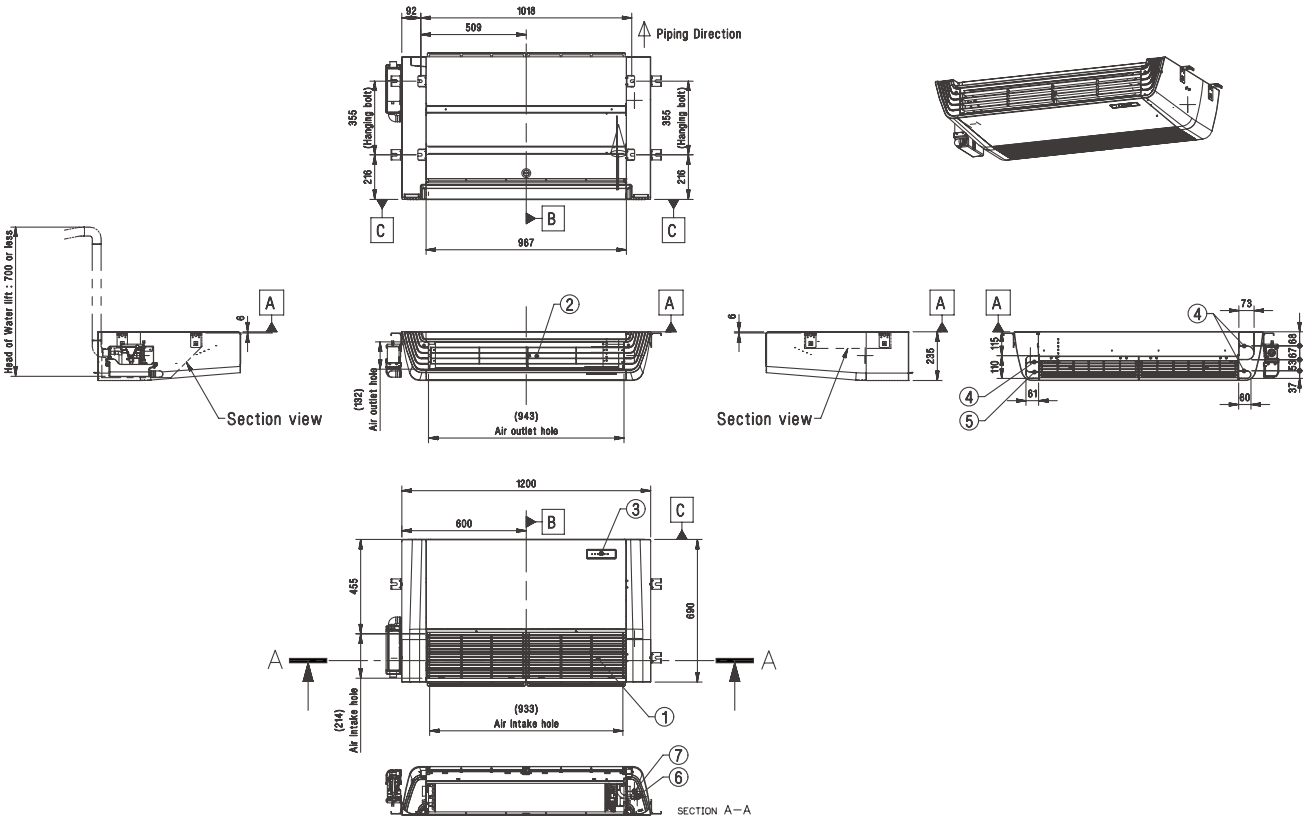
CEILING SUSPENDED UNIT

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



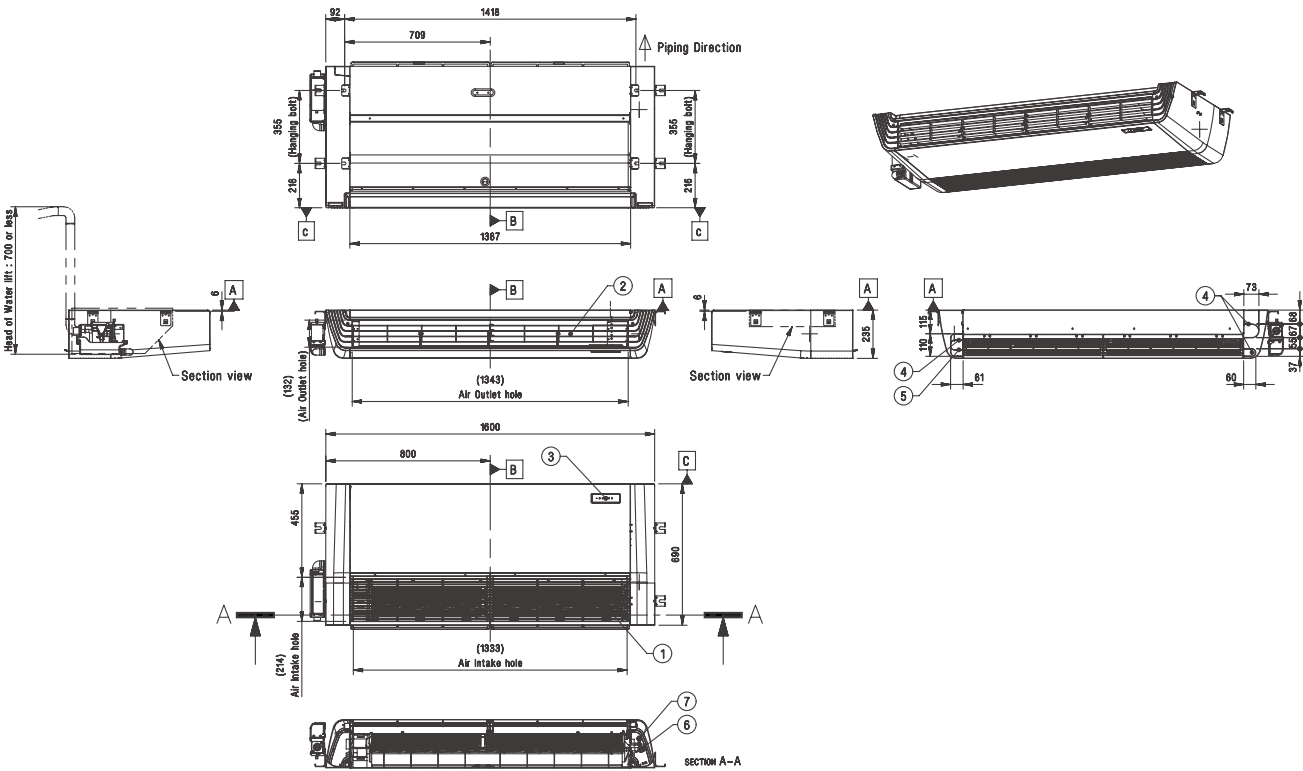
CEILING SUSPENDED UNIT

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



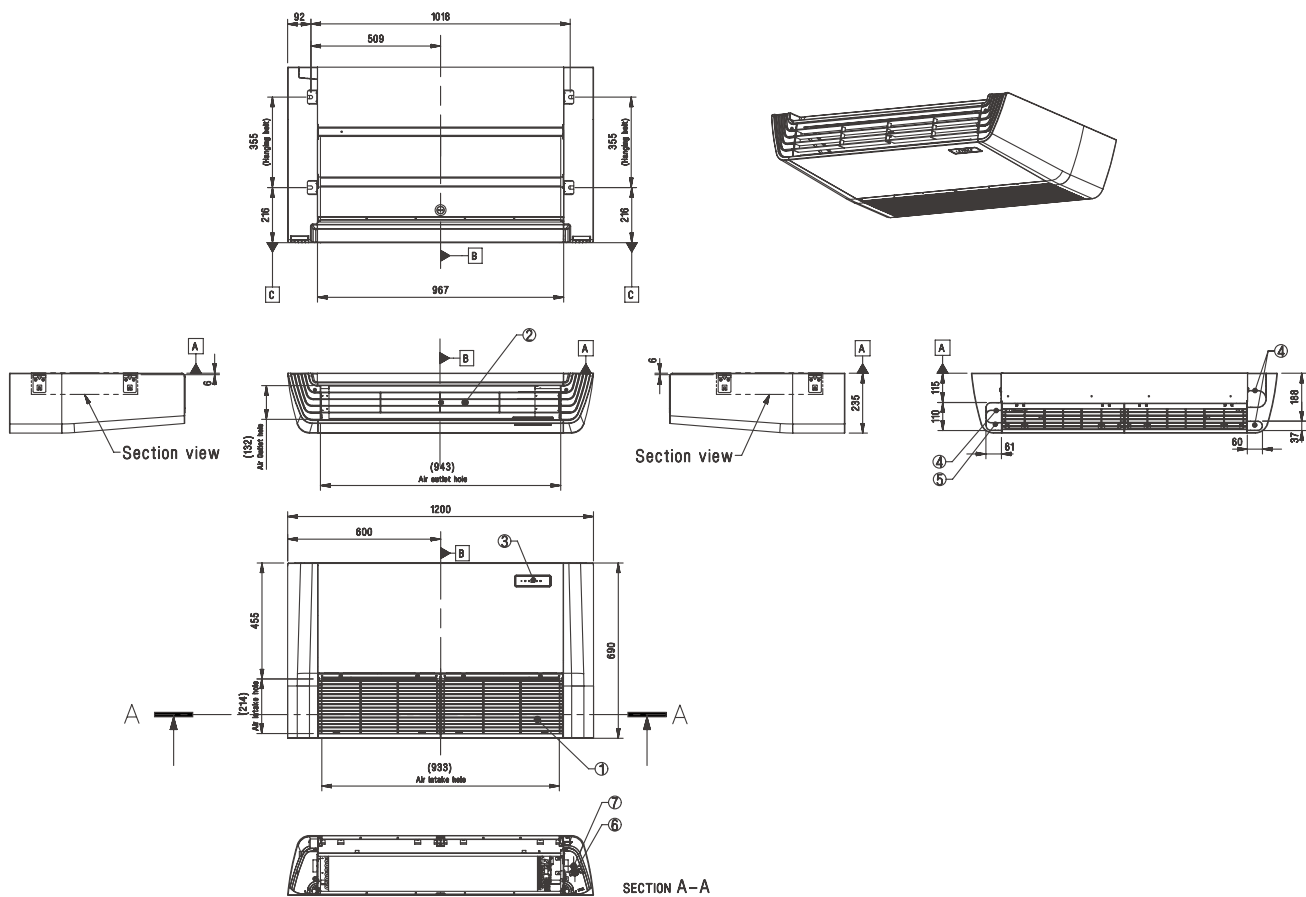
CEILING SUSPENDED UNIT

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



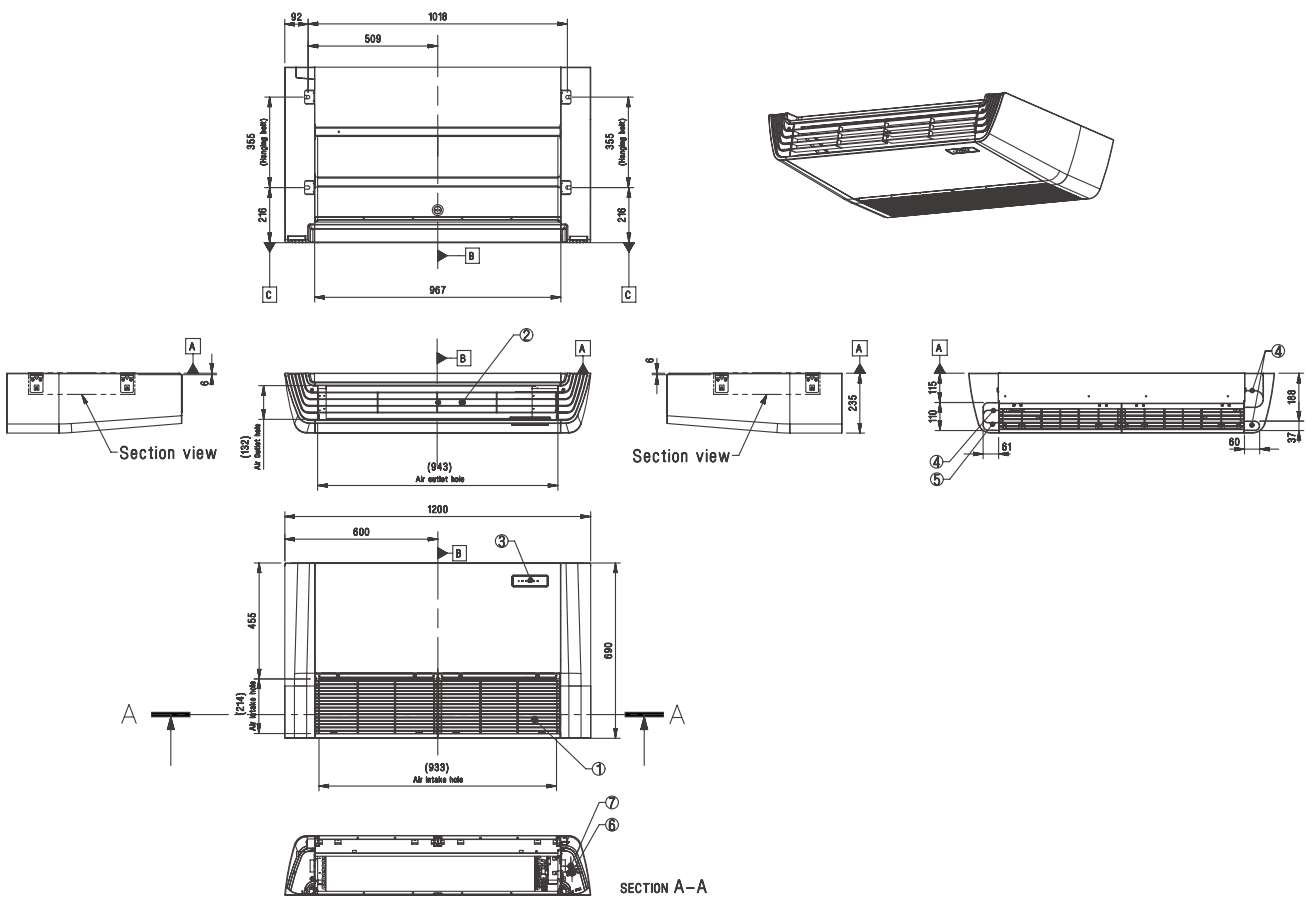
CEILING SUSPENDED UNIT

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



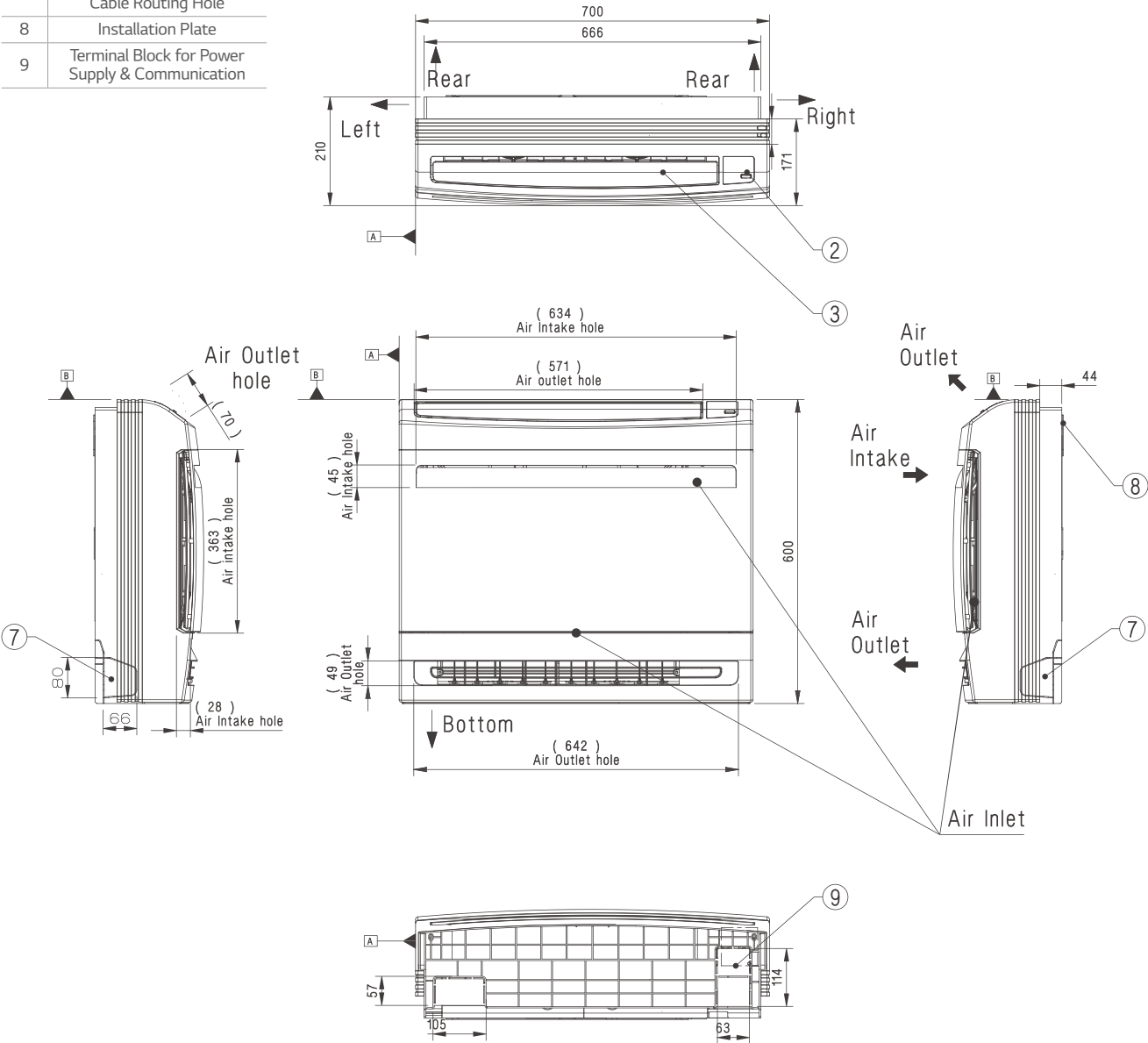
CONSOLE

STANDARD INVERTER (R32)

UQ09 NAO / UQ12 NAO / UQ18 NAO

(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 & Cabel Routing Hole
8	Installation Plate
9	Terminal Block for Power Supply & Communication



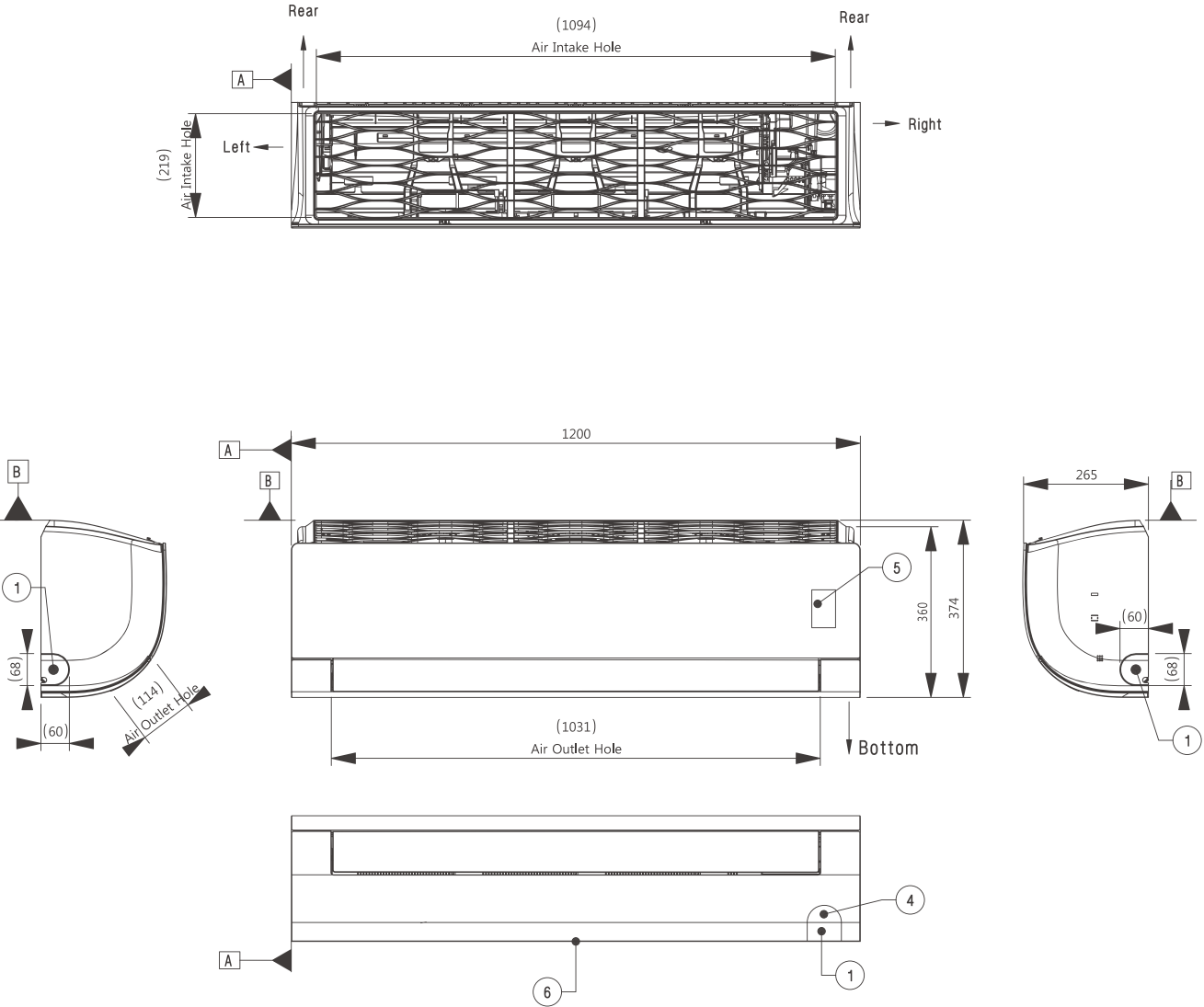
WALL MOUNTED

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



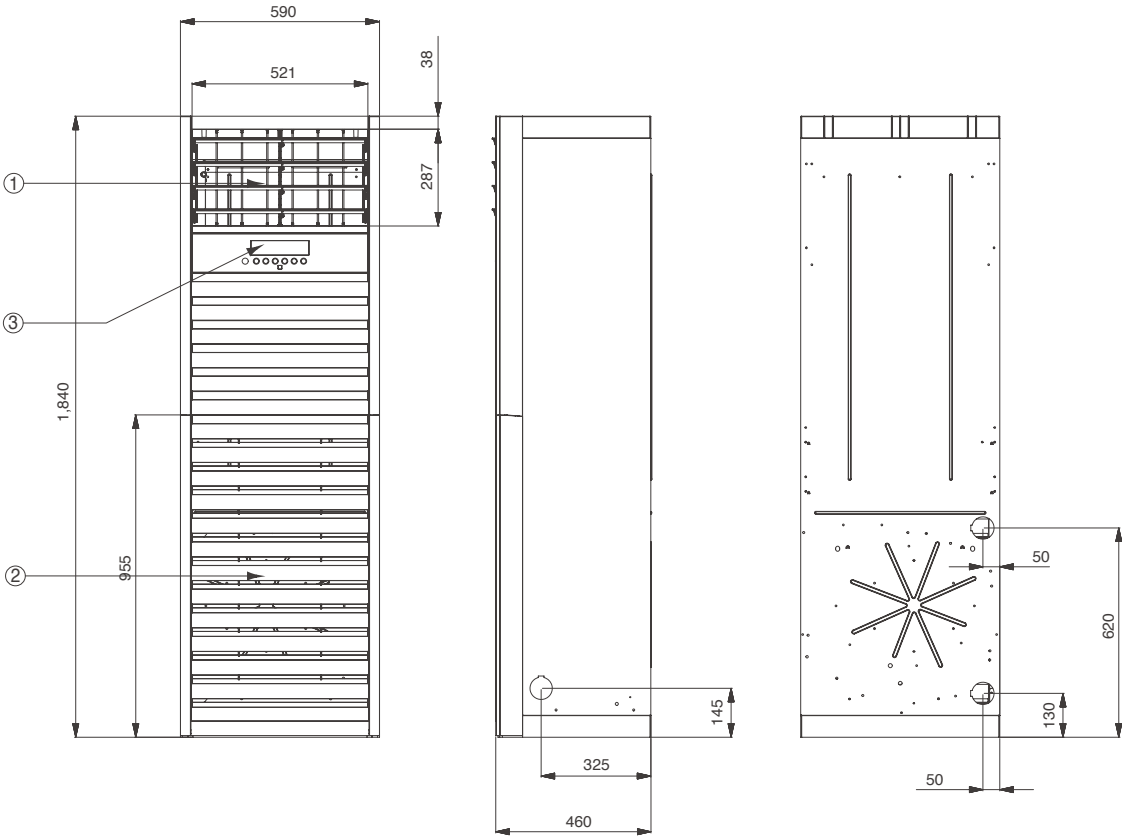
FLOOR STANDING

STANDARD INVERTER (R410A)

UP48 NT2

(Unit : mm)

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



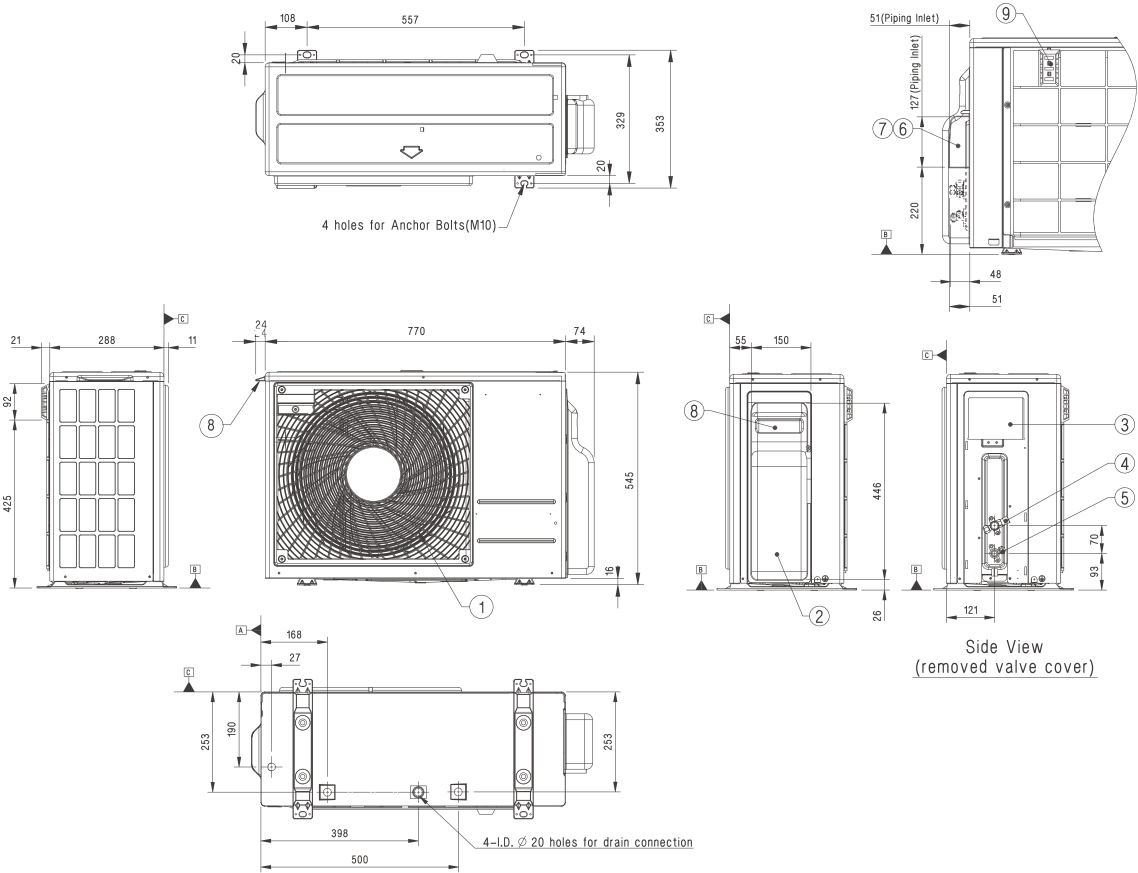
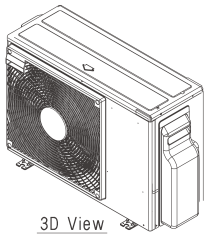
UNIVERSAL OUTDOOR

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



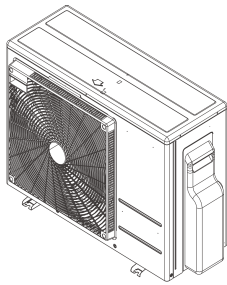
UNIVERSAL OUTDOOR

HIGH / STANDARD / COMPACT INVERTER (R32)

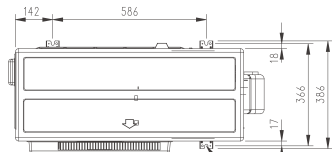
UUB1 U20

(Unit : mm)

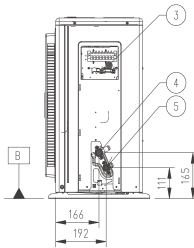
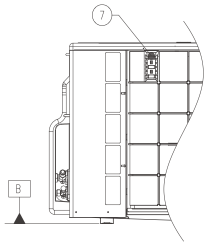
	Part Name
1	Air Outlet
2	Control cover & SVC valve cover
3	Power and communication cable connection
4	Gas pipe connection
5	Liquid pipe connection
6	Handle
7	Intake air temperature sensor cover



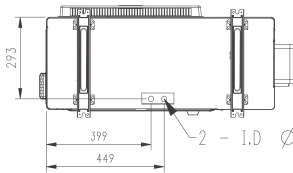
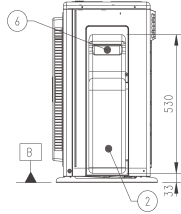
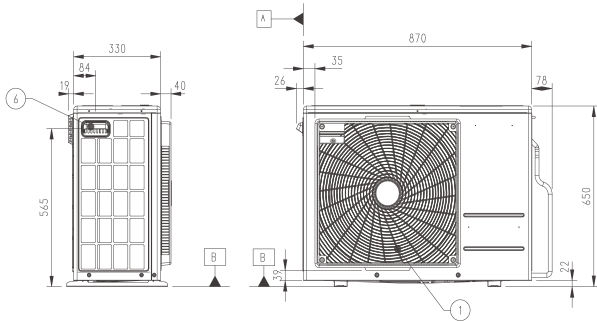
3D View



4 holes for Anchor Bolts (M10)



Side View
(removed valve cover)



2 - I.D. Ø 20 Holes for drain connection

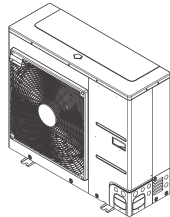
UNIVERSAL OUTDOOR

HIGH / STANDARD / COMPACT INVERTER (R32)

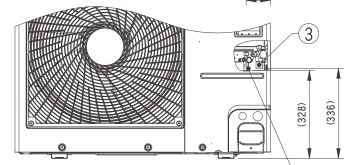
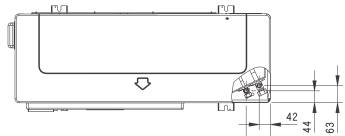
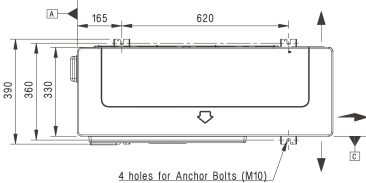
UUC1 U40

(Unit : mm)

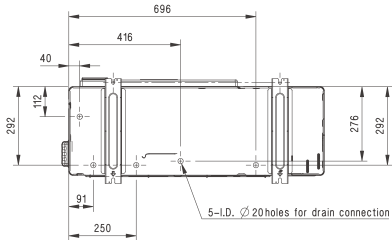
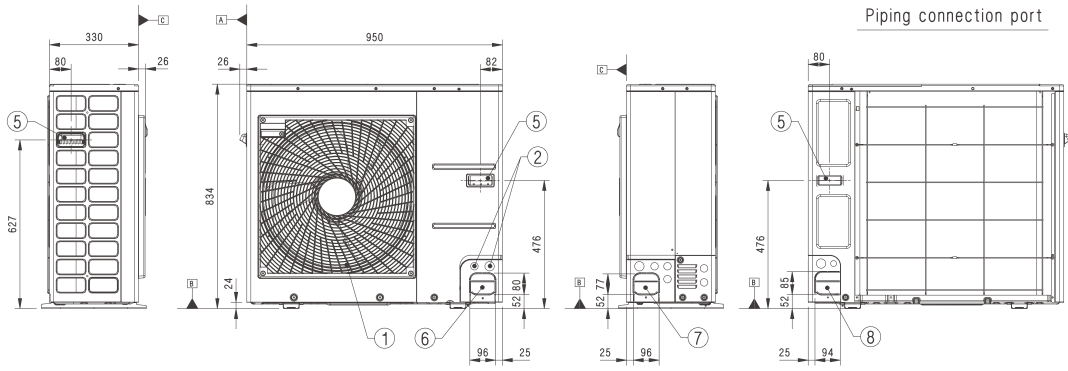
	Part Name
1	Air Outlet
2	Power and communication cable hole
3	Gas pipe connection
4	Liquid pipe connection
5	Handle
6	Pipe routing hole (Front)
7	Pipe routing hole (Side)
8	Pipe routing hole (Back)



3D View



Piping connection port



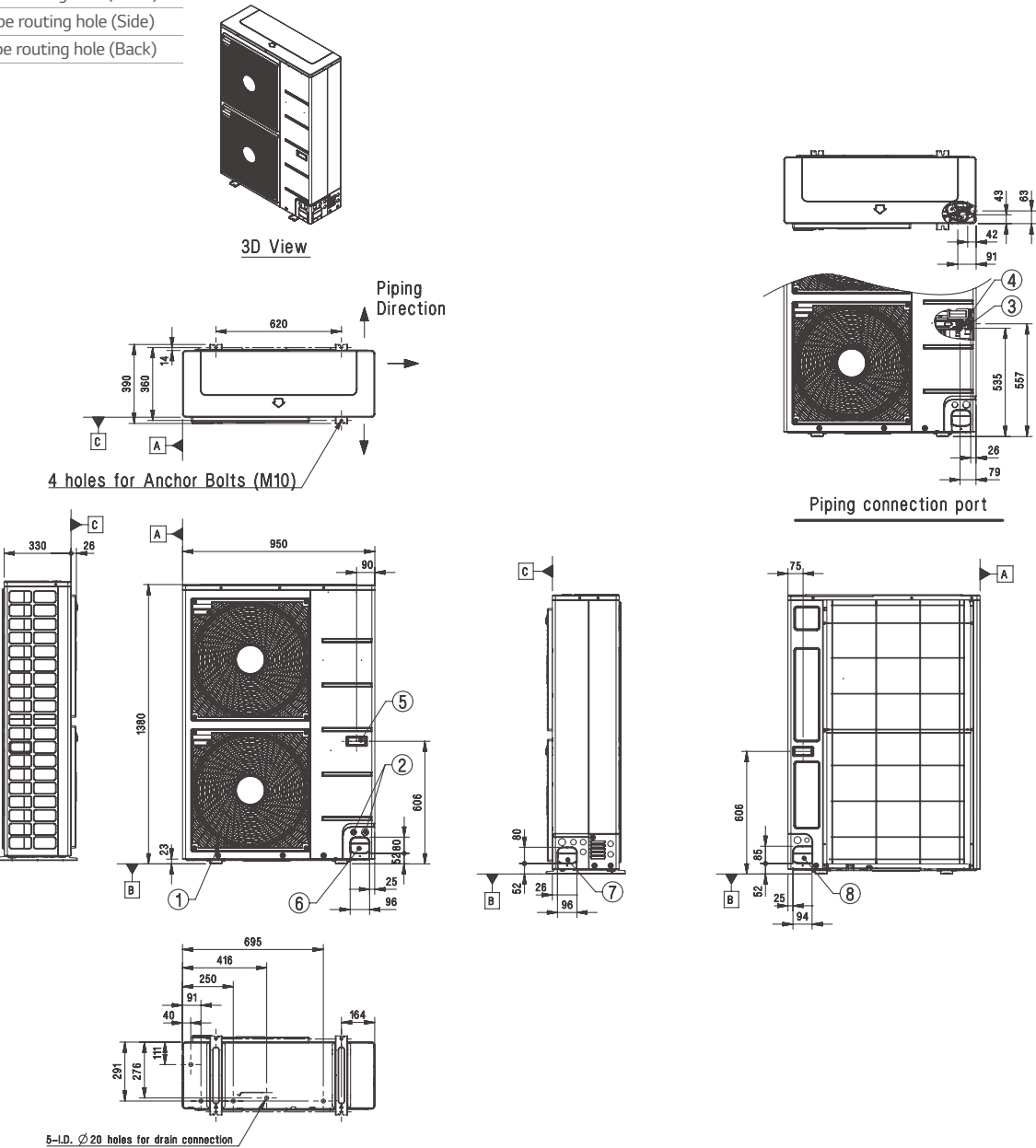
UNIVERSAL OUTDOOR

STANDARD INVERTER (R32)

UUD1 U30 / UUD3 U30

(Unit : mm)

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



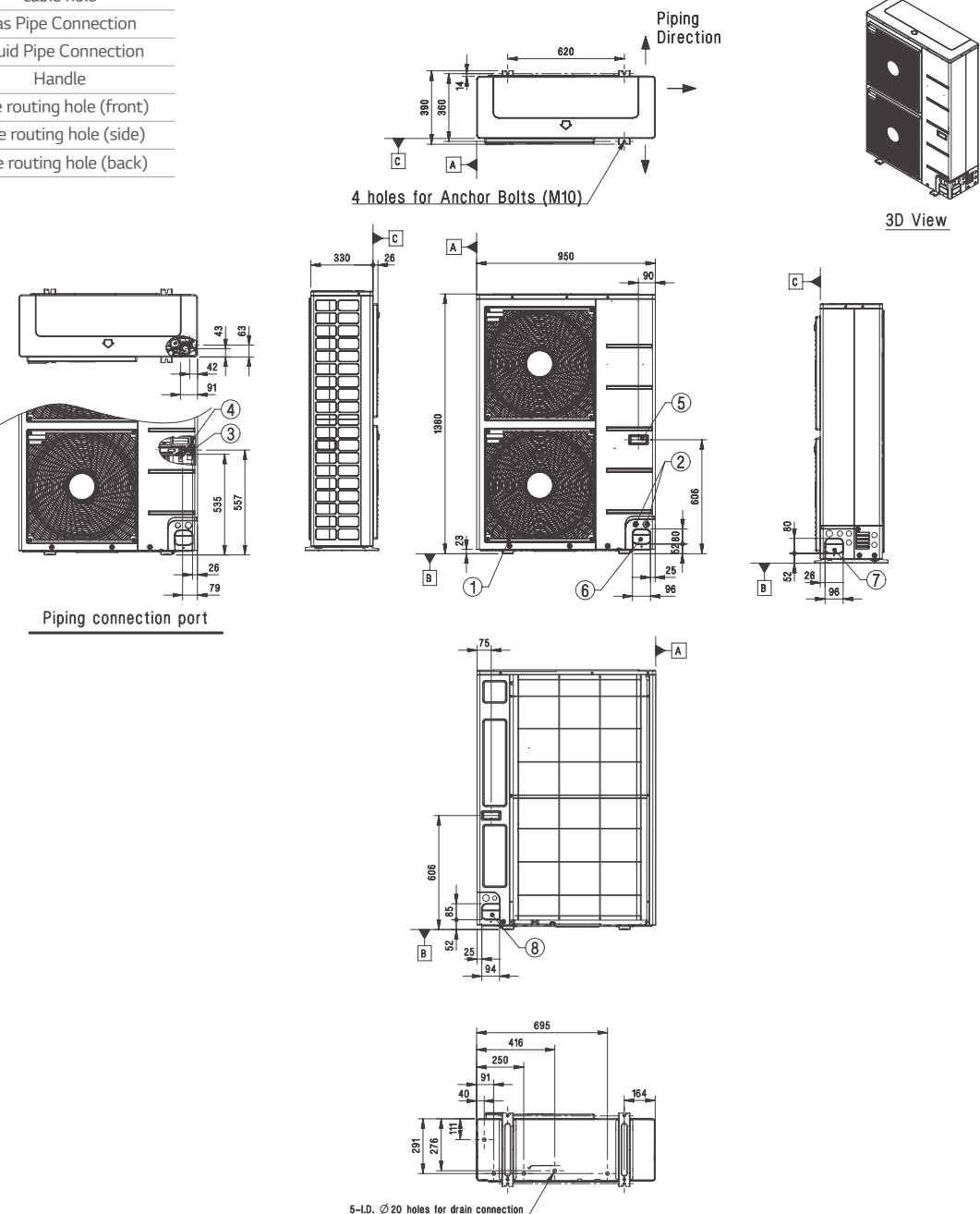
UNIVERSAL OUTDOOR

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)



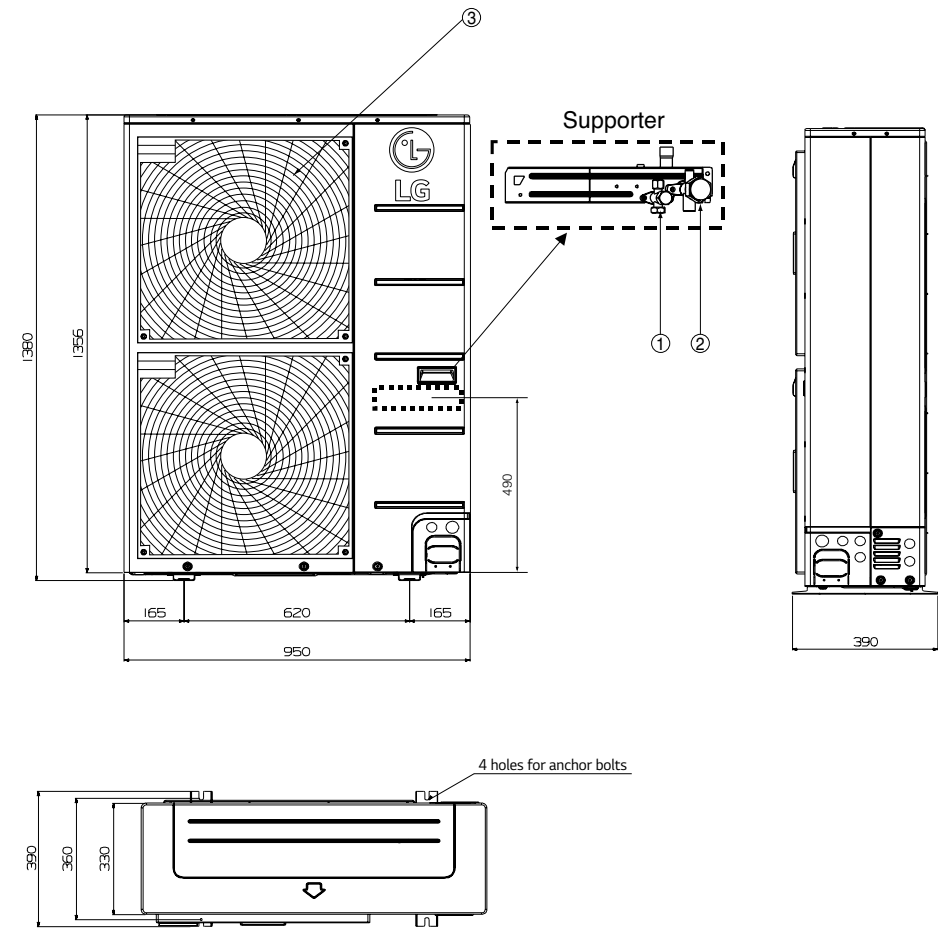
UNIVERSAL OUTDOOR

STANDARD INVERTER (R410A)

UU70W U34

(Unit : mm)

	Part Name
1	Air discharge grille
2	Gas pipe connection
3	Liquid pipe connection
4	Power & Transmission con- nection



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

