2008

2000 2001 2002 2006 2003 2004 2005
Global No.1

LG
Life's Good

LG Air Conditioning

www.lge.co.uk

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin
- Auto Cleaning
- Auto Changeover
- Jet Cool
- New CHAOS Swing
- 3-Dimensional Air Flow
- Auto Swing
- Wireless Remote Controller
- Sleep Mode Auto Operation
- Healthy Dehumidification
- Auto Restart
- 24-Hour ON/OFF Setting Timer
- Hot Start (Heat pump Only)
- 4-Way Air Deflection
- One-Touch Air Filter (Anti-Bacteria)
- Weekly Program
- Turbo Fan
- High Head Drain Pump
- Low Standby Power
- Central Controller (Accessory)
- Group Control
- Child Lock Function
- Two Thermistor Control
- Long & High Elevation Piping
- Zone Control (Optional)
- Auto Operation
- 7-Hour OFF Setting Timer
- 24-Hour ON/OFF Setting Timer
- Duct Operation

LG Air-Conditioning Product Training 2008

LG are offering a range of training courses throughout 2008 at our purpose built training facility in Slough, for details of dates, prices and booking information go to www.mylg.co.uk and click training, the courses include:

Overview of LG air conditioning product range

A 2 hour overview of the full product range, with emphasis on the new products being introduced in 2008.
Suitable for people who require a quick introduction to the latest models.

Split and multi split system design and specification (LG RAC and Universal range)

This course includes all non VRF LG air conditioners. It covers the information required to specify LG air conditioners for a particular site. It is intended for sales engineers, consultants and others who are involved in preparing specifications and quotations. It also includes an overview of the control systems available for this range.

VRF system design and specifications

The course is for consultants, sales engineers, and others who need to specify and quote LG VRF systems. It covers all aspects of the design including pipe layout and sizing, electrical layout, and the components required to make up a system.

VRF installation and service

This course covers the installation, commissioning and servicing of LG VRF systems including how they work and fault finding. It is intended mainly for experienced installation engineers. This course is 80 % practical based.

Split and multi split system installation and service (LG RAC and Universal range)

This course covers the installation and service of LG air conditioners, including how they work and fault finding. It is intended mainly for experienced air conditioning engineers. This course is 80% practical based.

Central controls

LG offers a range of central controls to provide control and monitoring of a large number of indoor units from a central location. The course concentrates on the installation and setting up of the AC smart (full control, monitoring and scheduling) and the Simple Central Controller (mainly on/off control). The course is 100% practical based.

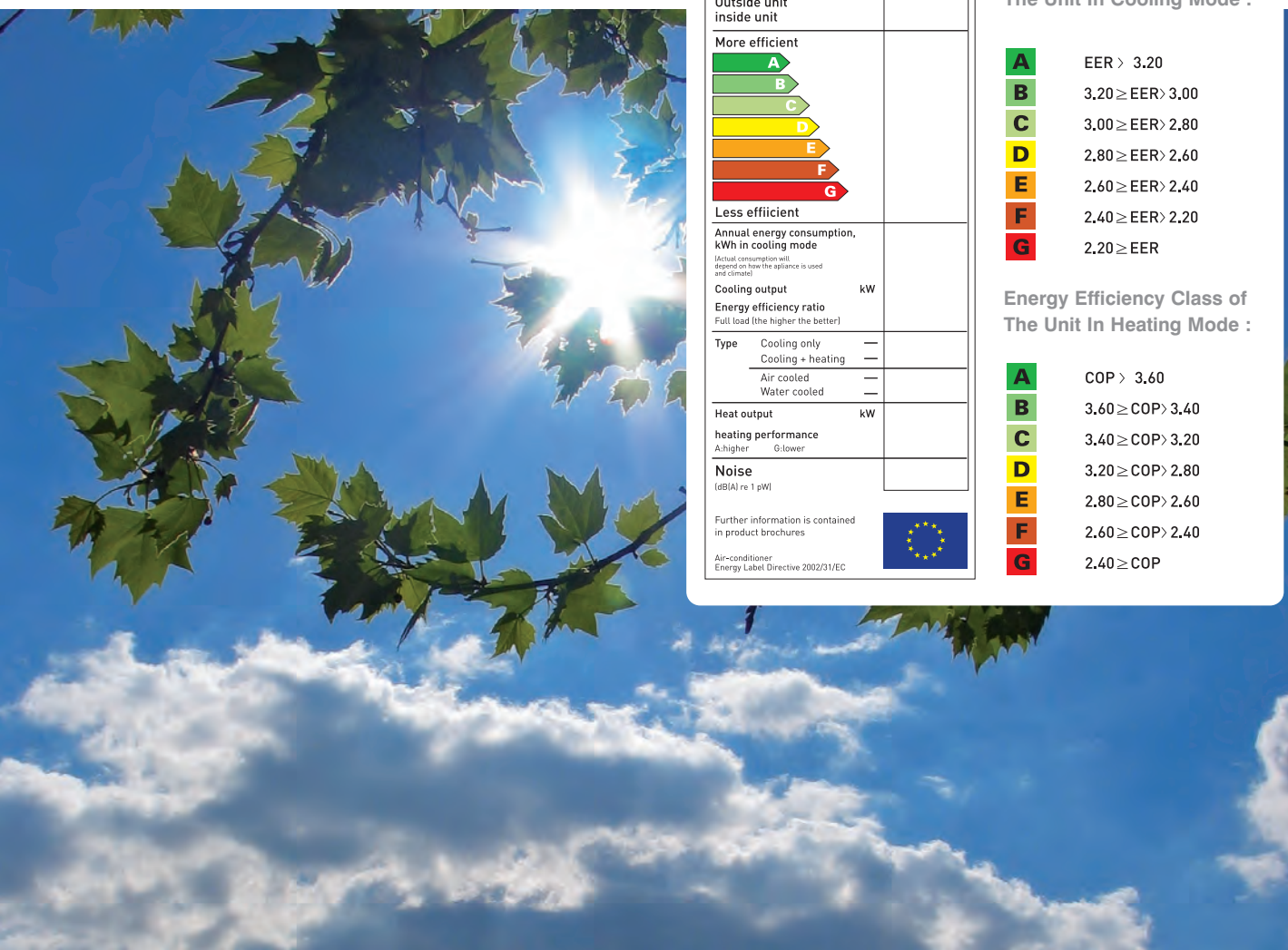
As from April 9th, 2007 for CFC's and July 4th, 2007 for HFC's, it will be a compulsory requirement for any person who handles refrigerants or breaks into any refrigeration or air conditioning system, to have a safe handling of refrigerant qualification as an absolute minimum. Lg will be asking all trainees to confirm that they have this qualification before attending any of our installation or service training courses. If they don't have this we will be recommending to them that they should obtain this qualification as a matter of urgency. We reserve the right to refuse training to any engineers without this qualification.

LG Air Conditioners are environment-friendly and future-orientated.

ARTCOOL series with outstanding designs have received International Forum Design Award, Reddot Design Award and G Mark. They have improved air flow, have the lowest noise, and provide a more pleasant and convenient indoor environment.

Environmental concern 2008

As the concern for environment increases day by day, EC Directive made it a regulation to put an indication on all air conditioning products. With the information regarding energy-saving, customers can easily understand products impact on the environment.
Customers will purchase the products considering the energy label. Which shows the energy consumption of the unit classified with 7 different colors.



Energy Efficiency Class of The Unit In Cooling Mode :

A	EER > 3.20
B	3.20 ≥ EER > 3.00
C	3.00 ≥ EER > 2.80
D	2.80 ≥ EER > 2.60
E	2.60 ≥ EER > 2.40
F	2.40 ≥ EER > 2.20
G	2.20 ≥ EER

Energy Efficiency Class of The Unit In Heating Mode :

A	COP > 3.60
B	3.60 ≥ COP > 3.40
C	3.40 ≥ COP > 3.20
D	3.20 ≥ COP > 2.80
E	2.80 ≥ COP > 2.60
F	2.60 ≥ COP > 2.40
G	2.40 ≥ COP

contents

Design Award Symbols

IF Design Award **Good Design Award** **Reddot Design Award**

International Forum Design

Good Design Mark

reddot design award

DC inverter technology

You may have heard the excitement about Inverter technology, LG Inverters are the pinnacle of energy efficiency due to the innovative operation. Rather than using a constant speed compressor, the LG Inverter system uses a variable speed compressor, which means the Cooling or Heating capacity of the Air Conditioning can be varied to suit Indoor conditions. This makes the LG Inverter Units more economical & efficient to operate, produce less noise than standard counterparts and contain the most superior features on the market. All LG Inverter units have 7 major benefits including premium features like

More Economical 1

LG Inverter can save maximum 44% of energy than other standard air conditioners (fixed speed compressor) and it provides great energy efficiency compared to radiator.

More Powerful 2

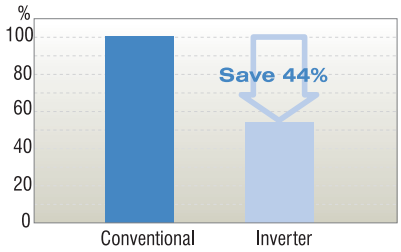
Outstanding Technology of LG Inverter warms up more powerful and faster. No matter how cold the winter is, With LG air conditioner it is always warm and cozy.

More Comfortable 3

LG air conditioner reaches the set temperature fast and keeps steady of a room temperature so it is much more comfortable than normal air conditioner.

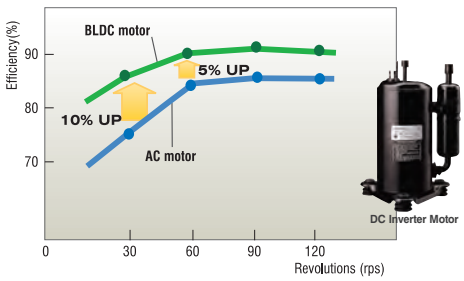
Energy Saving

Unlike ordinary Conventional air conditioners, inverter air conditioners can control the speed of compressors to adjust cooling and heating. When indoor temperatures reach your desired levels, inverter air conditioners can operate their compressors at low speeds and maintain desired temperatures, thus saving you electricity cost by about 44% compared to conventional.



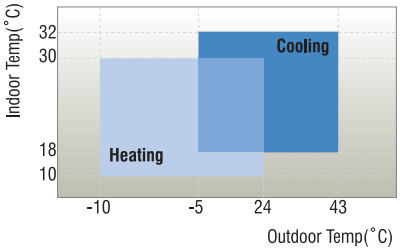
DC Inverter Compressor

The LG inverter air conditioner uses a DC Inverter compressor due to its optimized refrigeration effect, low noise and high efficiency.
DC compressor are much more efficient especially at low loads compared with conventional constant speed AC comps.



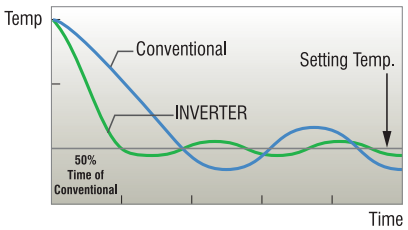
Powerful Heating Capacity

With a wide operating range in both heating and cooling modes, inverter air conditioners will cool or heat your room even in extreme outdoor temperature conditions. Heating can be sustained even when the outdoor temperature is -10°C by Inverter technology.



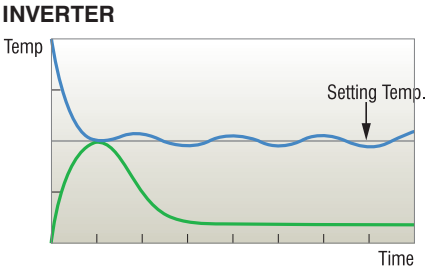
Quick Cooling & Heating

Inverter air conditioners can operate their compressors faster to give them more powerful performance.
This results in being able to attain the desired temperature much faster in both heating and cooling modes than conventional air conditioners.



Pleasant Feeling

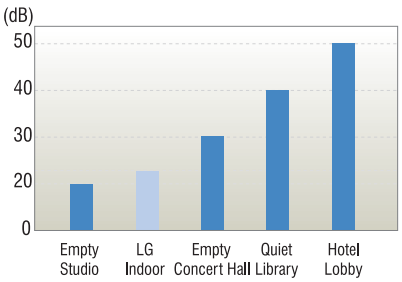
When the air conditioner is initially activated to either heat or cool, the compressor will operate at maximum speed to reach the desired temperature quickly. Once the desired temperature is achieved, unlike conventional air conditioners that turn the compressor on and off, LG inverter units adjust and constantly vary the compressor speed to maintain the desired temperature with minimal fluctuation to ensure that your comfort is not compromised.



Quiet Operation

Inverter air conditioners are optimally designed to operate with the minimal noise with the use of a DC compressor.

*LG models(C09AW/C12AW) in sleep mode are only 20dB.



Neo-Plasma air purifying system

LG's unique NEO Plasma Air Purifying system is equipped with 7 specialised filters in 5 separate stages to enhance its cleaning power. It reduces fine dust and mould, unpleasant odours and cigarette smoke as air passes each filter.

1. Pre Filter

The antibacterial pre-filter primarily reduces large dust, mould and quilt dust.

2. Nano Carbon Filter

Nano-size carbon filters removes fine odorous particles from the household air resulting in a more pleasant environment.

What is Nano Carbon Ball?

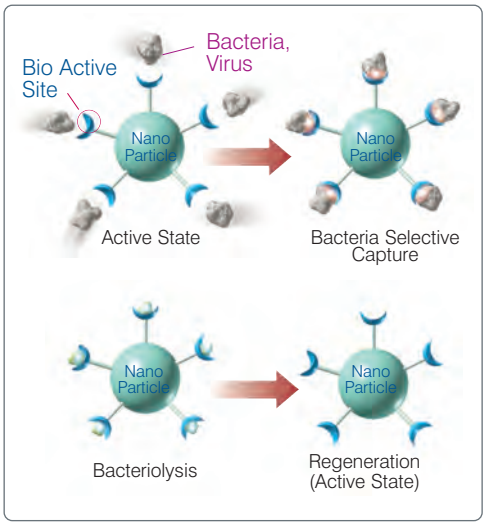
Microscopic sized (1/1000000000) filter to ensure optimal filtration of odours.

3. Triple Filter

The triple filter consists of three specialised filters to reduce the symptoms associated with various organic compounds including formaldehyde. It also has the ability to reduce unpleasant odours creating a more comfortable environment.

4. Nano Bio Fusion Filter

Nano bio fusion filters allow their nano-size bio enzymes to directly penetrate through cell walls of some bacteria and allergen to decompose its cell nuclei.



5. Plasma Filter

The PLASMA Air Purifying System developed uniquely by LG not only reduces microscopic contaminants and dust, but also reduces house mites, pollen, and pet fur to reduce allergy and asthma symptoms.

Test Result Certification

Ez-Remote Controller

New

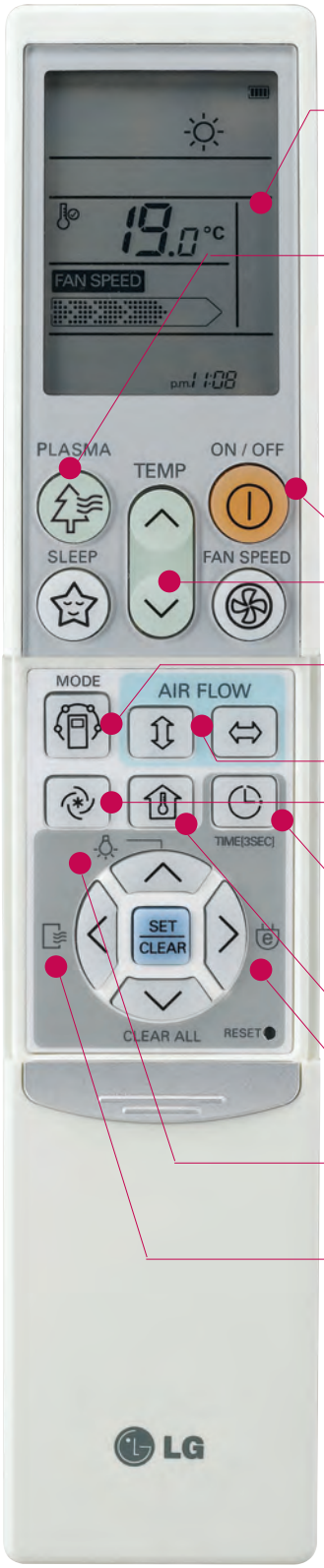
User Friendly & Modern Design and Easy use!!

User Friendly Design

- Comfortable to grab
- Sliding type

Easy Use

- Bigger size button
- Highlighted some buttons with different colors
- Easy to recognize functions with graphics



Wide LCD

- Neo-Plasma
- Smart Clean (for KLEBIO)

On/Off Button

Temperature Setting

Display Operation Mode

Set Air Flow (Auto Swing) ⇕ Up/Down ⇔ Left/Right

Jet Cool

Timer

Room Temperature

Energy-Saving Cooling Mode

Display Screen Brightness

- Auto Clean
- Function Setting (for KLEBIO)

room air conditioners model line up 2008

Type \ kW	3.5	5.0
ARTCOOL Gallery Type	 A09AW1	 A012AW1
ARTCOOL Mirror Type	 C09AW	 C012AW
	7.1	8.0
	 C018AW	 C024AW
Wall Mounted Inverter Type	3.5	5.0
	 S09AW	 S012AW
	7.1	8.0
	 S018AW	 S024AW
	10.0	15.0
	 S030AW	 S036AW

ARTCOOL inverter

LG is proud to introduce the ARTCOOL gallery series.
It boasts an unprecedented feature which allows you to use the front panel as a picture frame. Along with its simple but sleek design, ARTCOOL uses state-of-the-art technology assuring customer satisfaction

Changeable Colour Panel

Available in 3 colours that are easy to change. The modern design and premium finish will compliment any interior decor.

Mirror (Default Color)

Silver

Blue

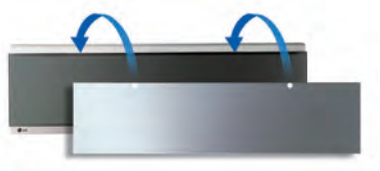


Photo Changeable

You no longer have to be told what your air conditioner should look like. With LG's revolutionary ARTCOOL Photo Changeable, you can simply change the look of your air conditioner to what you want, when you want to.

Pictures are easily changeable at anytime with your own pictures/photos.

Digital Air Flow Control

The air flow can be controlled to ensure that maximum comfort and convenience is realised. You can even have the option of turning off the bottom louver to ensure your utmost comfort.

Jet Cool
Speedy & Powerful

Sleep Mode
Indirectly & Softly

3 - Dimensional Air Flow

Designed like a work of art, with the new concept of 3 dimensional air flow. It gives even cooling from the front and both sides.

Inverter

ARTCOOL inverter gallery

A09AW1 NF2
A12AW1 NF2

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin
- Auto Cleaning
- Photo Changeable
- 3-Dimensional Air Flow
- Ez Remote Controller

Klumt, Gustav (1862-1918)
The Kiss-Der Kuss

Specification

Model	Indoor Unit Outdoor Unit		A09AW1 NF2 A09AWU UF2	A12AW1 NF2 A12AWU UF2
Cooling Capacity	(Min/Rating/Max)	W	1,300 / 2,700 /3,500	1,300 / 3,500 / 4,000
		Btu/hr	4,436 / 9,210 / 11,942	4,436 / 11,940 / 13,648
Heating Capacity	(Min/Rating/Max)	W	1,300 / 3,500 /4,200	1,300 / 4,200 / 5,000
		Btu/hr	4,436 / 11,940 / 14,330	4,436 / 14,330 / 17,060
Input	Cooling	W	830	1,090
	Heating	W	960	1,160
Running Current	Cooling	A	3.8	4.9
	Heating	A	4.4	5.2
Power Supply		ø,V, Hz	1,220-240,50	1,220-240,50
E.E.R	Cooling	W/W	3.25	3.21
		Btu/hrW	11.10	10.95
C.O.P	Heating	W/W	3.65	3.62
ENERGY Efficiency Class		Cooling/Heating	A/A	A/A
Noise Level	Indoor(H/M/L/Sleep)	dB(A)±3	35/29/25/22	39/32/25/23
(SoundPress,1m)	Outdoor, Max	dB(A)±3	48	48
Air Flow	Indoor, Max	m^3/min(CFM)	8(283)	9.5(335)
	Outdoor, Max	m^3/min(CFM)	26(918)	34(1,200)
Dehumidification Rate		l/h	1.2	1.5
Refrigerant charge(R410a)		g	1,000	1,000
SVC Valve	Liquid	mm(inch)	6.35(1/4)	6.35(1/4)
	Gas	mm(inch)	9.52(3/8)	9.52(3/8)
Dimensions	Indoor	mm	600x600x146	600x600x146
(W*H*D)	Outdoor	mm	770x545x245	770x545x245
Net Weight	Indoor	kg(lbs)	15(33)	15(33)
	Outdoor	kg(lbs)	32(71)	32(71)
Fuze Size Amps			10A	10A

IF Design Award Good Design Award

2.6~3.5kW

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

ARTCOOL inverter mirror

LG ART COOL will certainly enhance your space. World-recognised refined designs will catch your attention.
Fill your space with ART COOL's pleasantly cool breeze and upscale designs.

C09AW* NE2
C12AW* NE2

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin
- Auto Cleaning
- Changeable Colour Panel
- Auto Changeover
- Ez Remote Controller

*Mirror

C09 / 12 AWR

*Silver

C09 / 12 AWV

*Blue

C09 / 12 AWB

Specification

Model	Indoor Unit / Outdoor Unit		C09AW* NE2 / C09AWU UE2	C12AW* NE2 / C12AWU UE2
Cooling Capacity	(Min/Rating/Max)	W	890 / 2,630 / 3,699	890 / 3,510 / 4,044
		Btu/hr	3,070 / 9,000 / 12,620	3,070 / 12,000 / 13,800
Heating Capacity	(Min/Rating/Max)	W	890 / 3,600 / 5,000	890 / 4,570 / 5,486
		Btu/hr	3,070 / 12,300 / 17,060	3,070 / 15,600 / 18,720
Input	Cooling	W	650	1090
	Heating	W	870	1260
Running Current	Cooling	A	3.0	4.8
	Heating	A	4.0	5.7
Power Supply		ø,V, Hz	1,220-240,50	1,220-240,50
E.E.R	Cooling	W/W	4.05	3.22
		Btu/hrW	13.85	11.01
C.O.P	Heating	W/W	4.14	3.63
ENERGY Efficiency Class		Cooling/Heating	A/A	A/A
Noise Level	Indoor(H/M/L/Sleep)	dB(A)±3	31/27/22/20	37/27/22/20
(SoundPress,1m)	Outdoor, Max	dB(A)±3	45	45
Air Flow	Indoor, Max	m³/min(CFM)	10.5(371)	10.5(371)
	Outdoor, Max	m³/min(CFM)	27(954)	27(954)
Dehumidification Rate		l/h	1.2	1.5
Refrigerant charge(R410a)		g	1000	1000
SVC Valve	Liquid	mm(inch)	6.35(1/4)	6.35(1/4)
	Gas	mm(inch)	9.52(3/8)	9.52(3/8)
Dimensions	Indoor	mm	912x282x165	912x282x165
(W*H*D)	Outdoor	mm	770x545x245	770x545x245
Net Weight	Indoor	kg(lbs)	10(22)	10(22)
	Outdoor	kg(lbs)	32(71)	32(71)
Fuze Size Amps			10A	10A

Inverter

NEO PLASMA

Good Design Award

Good Design Mark

2.6~3.5kW

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

ARTCOOL inverter mirror

C18AW* N81
C24AW* N81

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin
- Auto Cleaning
- Changeable Colour Panel
- Auto Changeover
- Ez Remote Controller

*Mirror

*Mirror C18 / 24AWR

*Silver

C18 / 24AWV

*Blue

C18 / 24AWB

Specification

Model	Indoor Unit / Outdoor Unit		C18AW* N81 C18AWU U81	C24AW* N81 C24AWU U81
Cooling Capacity	(Min/Rating/Max)	W	1,760 / 5,280 / 5,800	3,870 / 7,030 / 7,740
		Btu/hr	6,000 / 18,000 / 19,800	13,200 / 24,000 / 26,400
Heating Capacity	(Min/Rating/Max)	W	1,400 / 6,070 / 6,650	3,370 / 8,440 / 8,880
		Btu/hr	4,800 / 20,700 /22,700	11,500 / 28,800 / 30,300
Input	Cooling	W	1,640	2450
	Heating	W	1,770	2900
Running Current	Cooling	A	7.3	11
	Heating	A	8.3	13
Power Supply		ø,V, Hz	1,220-240,50	1,220-240,50
E.E.R	Cooling	W/W	3.22	2.87
		Btu/hrW	10.98	9.8
C.O.P	Heating	W/W	3.43	2.91
ENERGY Efficiency Class		Cooling/Heating	A/B	C/D
Noise Level	Indoor(H/M/L/Sleep)	dB(A)±3	42/39/36/34	43/40/36/34
(SoundPress,1m)	Outdoor, Max	dB(A)±3	54	55
Air Flow	Indoor, Max	m³/min(CFM)	16(565)	20.3(717)
	Outdoor, Max	m³/min(CFM)	42(1483)	58(2048)
Dehumidification Rate		l/h	2.1	2.7
Refrigerant charge(R410a)		g	1200	1800
SVC Valve	Liquid	mm(inch)	6.35(1/4)	9.52(3/8)
	Gas	mm(inch)	12.7(1/2)	15.88(5/8)
Dimensions	Indoor	mm	1,170x299x200	1107x299x200
(W*H*D)	Outdoor	mm	870x655x320	870x800x320
Net Weight	Indoor	kg(lbs)	14.1(31.09)	14.1(31.09)
	Outdoor	kg(lbs)	46(101)	60(132)
Fuze Size Amps			10A	16A

Inverter

NEO PLASMA

Good Design Award

Good Design Mark

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

5.3kW

7.0kW

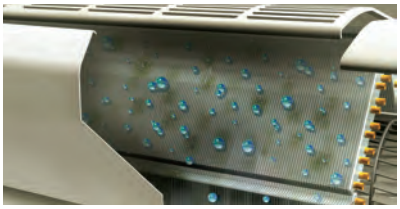
wall mounted

The most comfortable airflow for the human body can be found in nature. After countless analysis, LG has applied the scientific Chaos theory to its Air Conditioning range, which effectively produces a natural, fresh breeze.
The Chaos theory is a technology that recreates the flow of natural air by controlling the angle speed of the movement of the air vane. Chaos Swing technology also minimizes the temperature difference between high and low places in the room, creating a more comfortable and cooler environment.

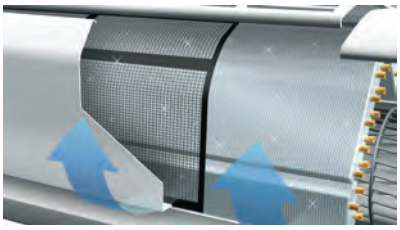
Auto Clean

A main cause of air conditioner odors is mould and bacteria that breed in the heat exchanger. The Auto Clean function dries the wet heat exchanger to help prevent mould and bacteria from breeding thus significantly reducing the old rag smell and saves you from frequent cleaning.

Conventional



LG Auto Clean



1 STEP

Dries the evaporator with gentle low noise air from the fan by removing any remaining moisture.

Pressing the Auto Clean button will activate the automatic cleaning function after the cooling operation.

2 STEP

Removes moulds through the Neo Plasma system.

Only the fan will operate to dry the inner part of the air conditioner in just 30 minutes.

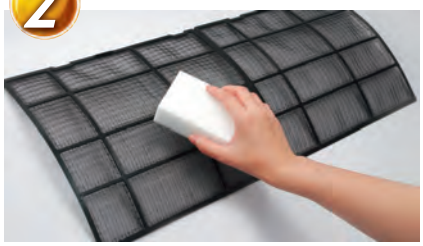
Easy Quick Clean System

LG Split Systems are designed with simple cleaning in mind. The grille is completely detachable and access is made simple with the upward opening cover panel.

1 Ez-Detachable Grille

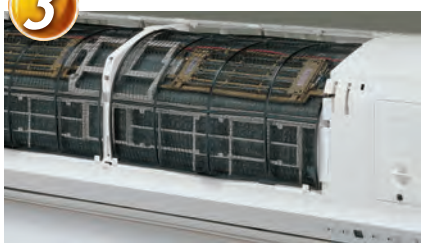
All that needs to be cleaned can be removed. Now, it is much easier to clean your air conditioner.

2 Ez-Cleaning Filter



Filters must be kept clean at all times to ensure optimum operation but previously were difficult to open and clean. The LG Ez-Cleaning Filter is designed for easy handling and cleaning.

3 Auto Clean Operation



Moisture in the evaporator can increase the presence of germs and fungi. The Auto Clean Operation can reduce moisture for a fresh, soft, and dry condition.

Quiet Operation

The indoor unit has a quiet operational noise of 26dB in the sleep mode to offer you peace and quiet for the bedroom or office. In addition, the outdoor units have drastically reduced vibration and noise thanks to a super quiet fan and motor and an innovative anti noise mechanism.

*Sleep Mode

1. Less noise with a three-layer, anti-noise mechanism

The anti noise mechanism blocks the noise from the fan and motor.

2. No-grille front panel

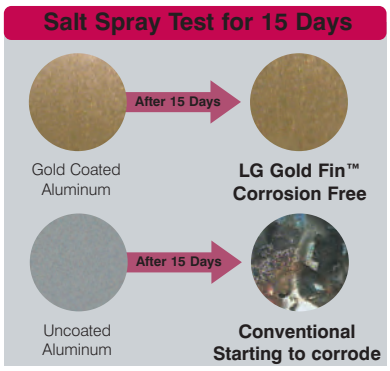
The full face panel reduces noise from the evaporator.

3. Conveniently attaches to the wall

The double-tubing cover addresses space problems between the wall and the air conditioner.

Anti Corrosion Gold Fin™

LG's Gold Fin is an anti corrosion coating on the surface of the heat exchanger. This ensures that the surface is more resistant to corrosion and increases the durability to help the exchanger perform like new for a much longer period.



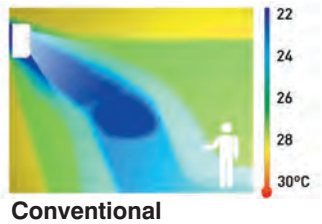
[Test Standard : ASTM B-117, KS D9502]

wall mounted

Healthy Dehumidification

Dehumidification mode reduces uncomfortable humidity from the room without over cooling.

Indoor Temperature Distribution Chart



Conventional

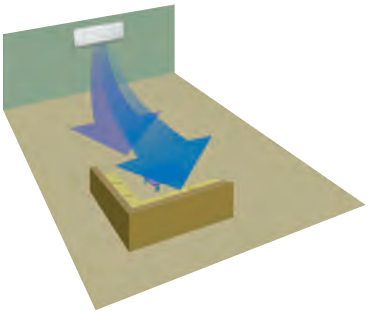
Since the surrounding temperature is measured after the air from the unit is widely distributed, an accurate assessment of the air is not possible.

LG Healthy Dehumidification

By increasing the Vane Angle, a better assessment of the actual temperature is possible to prevent over cooling.

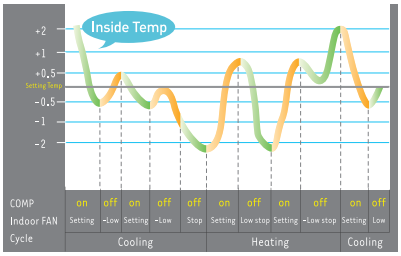
Jet Cool™

The Jet cool function allows quick cooling. In this mode, strong, cool air is blown at high speed for 30 minutes, until the room temperature reaches 18°C.



Auto Changeover

With heat pump model,cooling and heating operation is changed automatically on the base of setting temp.

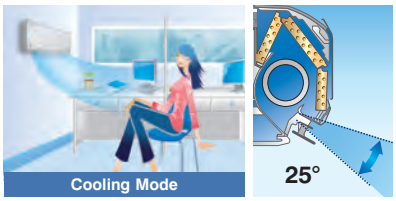


- Initial Setting Temp:18°C Memorize final setting temp.

Optimized Cooling &

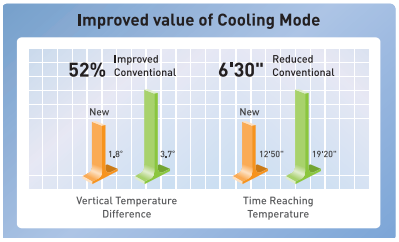
Heating Air Flow

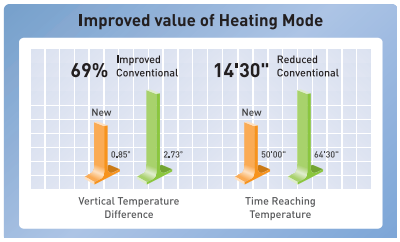
The air vanes will be adjusted according to the mode of operation. In heating mode air will be distributed at a lower angle due to hot air rising.



Even & Fast Air flow

LG Electronics' air conditioner improves the difference between high and low indoor temperatures . It allows you to reach your desired temperatures even faster





Hot Start Function

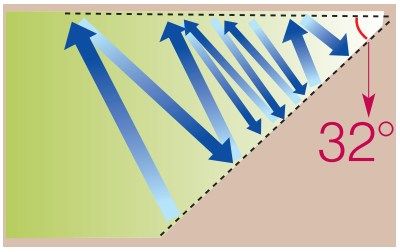
During starting of the unit in the heating mode it prevents cold air blowing from the unit. It starts the indoor fan only after indoor unit pipe temperature reaches a preset value (28°C).

When indoor unit pipe temperature reaches 28°C, then for initial 1 minute the indoor fan runs at a low speed and after that at the setting speed.

New Chaos Swing

The most comfortable airflow for the human body can be found in nature. After analysis, LG has applied the scientific Chaos theory to its air conditioners to effectively reproduce a natural breeze.

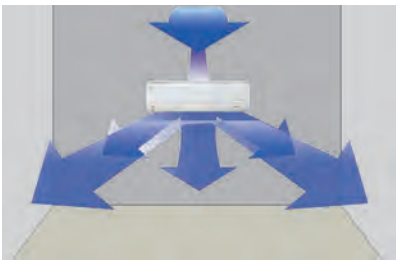
The Chaos technology recreates the flow of natural air by controlling the angle speed and movement of the air vane. It also minimizes the temperature difference between high and low areas in the room, creating a more comfortably conditioned environment.



It swings with random angle speed (0ms~12ms) to reproduce a natural breeze

Auto Swing

Most LG air conditioners automatically distribute the air to eliminate hot and cold patches to keep the room at a more constant temperature.



Auto Restart Function

In case of a sudden power failure, It automatically sets the A/C to settings before the power failure when power returns.

Sleep Mode

With one touch of the Sleep mode button, it automatically programs the Air Conditioning Unit to turn off, controls the fan speed and adjusts the set temperature for a more comfortable sleep.

wall mounted inverter

S09AW NE0 / S12AW NE0
S18AW N52 / S24AW N52

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin
- Auto Cleaning
- Auto Changeover
- Wireless Remote Controller

S09AW / S12AW

S18AW / S24AW

Specification

Model	Indoor Unit / Outdoor Unit		S09AW NE0 / S09AW UE0	S12AW NE0 / S12AW UE0	S18AW N52 / S18AW U52	S24AW N52 / S24AW U52
Cooling Capacity	(Min/Rating/Max)	W	890 / 2,630 / 3,699	890 / 3,510 /4,044	1,760 / 5,280 / 5,800	3,870 / 7,030 / 7,473
		Btu/hr	3,070 / 9,000 / 12,620	3,070 / 12,000 / 13,800	6,000 / 18,000 / 19,800	13,200 / 24,000 /25,500
Heating Capacity	(Min/Rating/Max)	W	890 / 3,600 / 5,000	890 / 4,570 / 5,486	1,400 / 6,070 / 6,650	3,605 /8,080 /8,407
		Btu/hr	3,070 / 12,300 / 17,060	3,070 / 15,600 / 18,720	4,800 / 20,700 / 22,700	12,300 / 27,570 / 29,700
Input	Cooling	W	650	1090	1640	2500
	Heating	W	870	1260	1770	2880
Running Current	Cooling	A	3.0	4.8	7.3	11.0
	Heating	A	4.0	5.7	8.3	13.0
Power Supply		ø,V, Hz	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50
E.E.R	Cooling	W/W	4.05	3.23	3.22	2.81
		Btu/hrW	13.85	11.01	10.98	9.60
C.O.P	Heating	W/W	4.14	3.63	3.43	2.81
ENERGY Efficiency Class		Cooling/Heating	A/A	A/A	A/B	C/D
Noise Level	Indoor(H/M/L/Sleep)	dB(A)±3	31/27/22/20	37/27/22/20	42/39/36/34	44/41/37/35
(SoundPress,1m)	Outdoor, Max	dB(A)±3	45	45	55	56
Air Flow	Indoor, Max	m³/min(CFM)	8.5(300)	9.5(335)	16(565)	18(636)
	Outdoor, Max	m³/min(CFM)	29(1,024)	29(1,024)	42(1483)	58(966)
Dehumidification Rate		l/h	1.2	1.5	2.1	2.7
Refrigerant charge(R410a)		g	1000	1000	1200	1800
SVC Valve	Liquid	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	9.52(3/8)
	Gas	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)	15.88(5/8)
Dimensions	Indoor	mm	895x282x165	895x282x165	1090x300x178	1090x300x178
(W*H*D)	Outdoor	mm	770x545x245	770x545x245	870x655x320	870x800x320
Net Weight	Indoor	kg(lbs)	8(17.6)	8(17.6)	13(29)	13(29)
	Outdoor	kg(lbs)	32(71)	32(71)	46(101)	60(132)
Fuze Size Amps			10A	10A	10A	16A

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

2.6~3.5kW | 5.3kW | 7.0kW

wall mounted inverter

S30AW ND0
S36AW ND0

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin
- Auto Cleaning
- Auto Changeover
- Wireless Remote Controller

Specification

Model	Indoor Unit / Outdoor Unit		S30AW ND0 S30AW UD0	S36AW ND0 S36AW UD0
Cooling Capacity	(Min/Rating/Max)	W	3,600 / 8,000 / 8,800	4,000 / 9,000 / 9,800
		Btu/hr	12,283 / 27,296 / 30,206	13,684 / 30,708 / 33,438
Heating Capacity	(Min/Rating/Max)	W	5,300 / 9,600 / 10,200	5,600 / 10,400 / 11,000
		Btu/hr	18,084 / 32,775 / 34,802	19,107 / 35,485 / 37,532
Input	Cooling	W	2,650	2,980
	Heating	W	3,180	3,450
Running Current	Cooling	A	12	13.6
	Heating	A	14.5	16.5
Power Supply		ø,V, Hz	1, 220-240, 50	1, 220-240, 50
E.E.R	Cooling	W/W	3.02	3.02
		Btu/hrW	10.30	10.30
C.O.P	Heating	W/W	3.02	3.01
ENERGY Efficiency Class		Cooling/Heating	B/C	B/C
Noise Level	Indoor(H/M/L/Sleep)	dB(A)±3	46/43/39	47/44/41
(SoundPress,1m)	Outdoor, Max	dB(A)±3	54	58
Air Flow	Indoor, Max	m³/min(CFM)	21(350)	25(416)
	Outdoor, Max	m³/min(CFM)	58(966)	68(1133)
Dehumidification Rate		l/h	3.5	4.2
Refrigerant charge(R410a)		g	1,800	2,200
SVC Valve	Liquid	mm(inch)	6.35(1/4)	6.35(1/4)
	Gas	mm(inch)	15.88(5/8)	15.88(5/8)
Dimensions	Indoor	mm	1,209x346x205	1,209x346x205
(W*H*D)	Outdoor	mm	870x800x320	870x1060x320
Net Weight	Indoor	kg(lbs)	18(39.7)	19(41.9)
	Outdoor	kg(lbs)	60(132.3)	75(165.3)
Fuze Size Amps			16A	20A

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

8.0kW

9.0kW

commercial air conditioners model line up 2008

Universal Indoor Type

Type \ kW	3.5	5.0	7.1	8.0	10.0	12.5	14.0	15.0
Ceiling Cassette Type	 UT12 NEC	 UT18 NEC	 UT24 NPD	 UT30 NPD	 UT36 NND	 UT42 NMD	 UT48 NMD	 UT60 NMD
Ceiling Concealed Duct Type		 UB18 NHC	 UB24 NHD	 UB30 NGD	 UB36 NGD	 UB42 NRD	 UB48 NRD	 UB60 NRD
Ceiling and Floor Type	 UV12 NEC	 UV18 NBC	 UV24 NBD	 UV30 NBD	 UV36 NKD	 UV42 NLD	 UV48 NLD	 UV60 NLD

Universal Outdoor Type

Type \ kW	3.5	5.0	7.1	8.0	10.0	12.5	14.0	15.0
Heat Pump	 UU12 ULC	 UU18 UEC	 UU24 UED	 UU30 UED	 UU37 UED		 UU48 U3D	 UU60 U3D
DC Inverter	 UU12W UEC	 UU18W UEC	 UU24W UED	 UU30W UED	 UU36W UED	 UU42W U3D	 UU48W U3D	 UU60W U3D

Floor Type

Type \ kW	8.0	14.0	32.8
Floor Standing Type	 P03AH SR1	 P05AH ST0	P08AH SF1 (21.1KW)

inverter technology

With the advancement of inverter technology comes more silent, economical and powerful air conditioning systems.

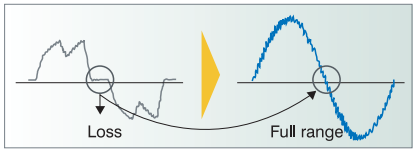
Step-up Inverter by the PFC & Sine Wave Control Technology

(PFC : Power Factor Correction)

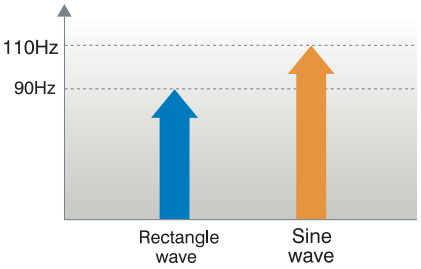
The LG air conditioner is manufactured using the PFC and the sine wave technology. By the PFC contorl, raising the operating voltage from the existing DC 280V to DC 380V can be done. Thereby, it makes the operation smooth in a high-frequency area.

The sine wave control enables soft operation in a low frequency area, thereby expanding the product's operating range. This also markedly improves the product's energy efficiency.

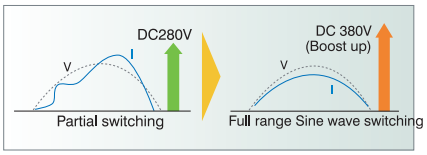
- Sine wave Control in BLDC Compressor



Rectangle wave Sine wave

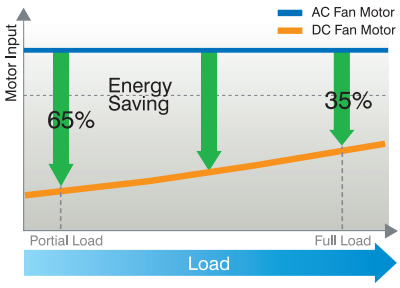


- PFC Control in Power Input

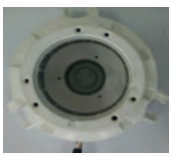


BLDC Fan

BLDC fan motor offers additional energy saving in operating mode. Compared with AC motors, BLDC fan motor can cut energy by 35% at full velocity. AC motor is operating at full velocity only, but BLDC Motor can change velocity according to load. Energy efficiency levels at low velocities in particular have been improved by 65%.



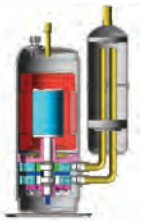
Stator

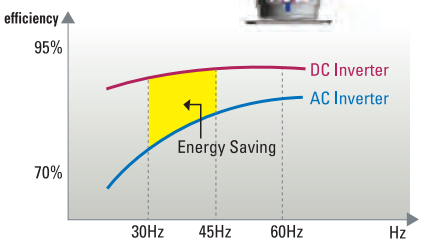


Rotor

Powerful BLDC Compressor

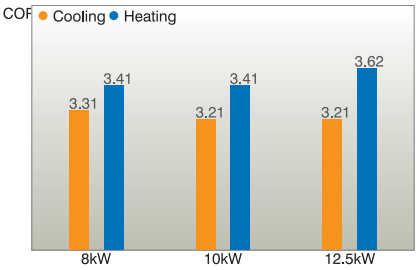
The LG inverter air conditioner comes with a BLDC compressor that uses a strong neodymium magnet. Its compressor thus has improved efficiency compared with AC inverter. Notably, during partial-load operation (30-45 Hz), the efficiency of the compressor motor of the LG inverter air conditioner increases, as opposed to the existing AC motors, and the subcooling effects of the bigger condensor will further increase the product's energy consumption efficiency.





Top Class COP

- DC Inverter Compressor
- BLDC Fan Motor



*Testing Combinations

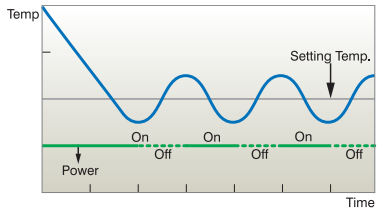
Indoor	UT24	UT36	UT42
Outdoor	UU24W	UU36W	UU42W

Comfortable with Fast Cooling & Heating Performance

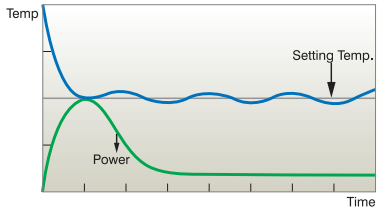
When the air conditioner is initially activated to either heat or cool, the compressor will operate at maximum speed to reach the desired temperature quickly.

Once the desired temperature is achieved, unlike conventional air conditioners that turn the compressor on and off, LG inverter units constantly adjust and vary the compressor speed to maintain the desired temperature with minimal fluctuation to ensure that your comfort is not compromised.

Conventional

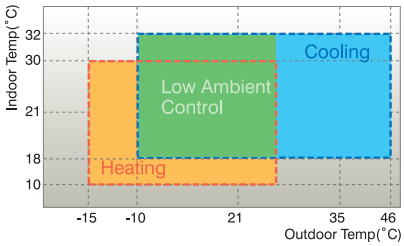


INVERTER



Wide Operating Range

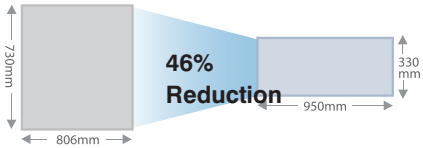
When cooling computer rooms and other rooms in the event of low outdoor temperatures, the BLDC inverter compressor and outdoor BLDC fan motor are used to adjust the air flow and volume, with a view to ensuring efficient operation by allowing the air conditioner to keep operating at -10°C without turning it off.



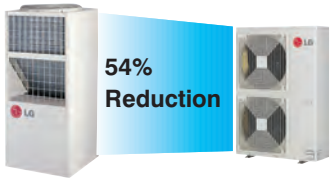
Slim & Compact Size

Easy & efficient installation of outdoor unit will provide the best solution for small offices and shops.

• Foot Print Area (Top View)



• Volume

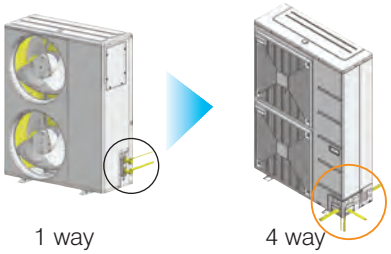


806x1057x690mm :950x1380x330mm

Easy to Service

1 Inner SVC valve

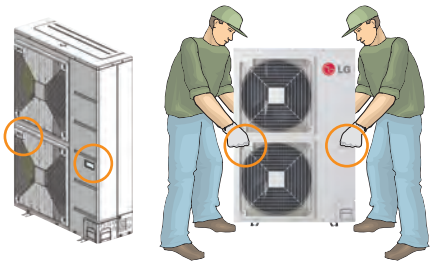
- 4 Way piping is possible (Front, Rear, Right, Down)
- Excellent exterior



1 way 4 way

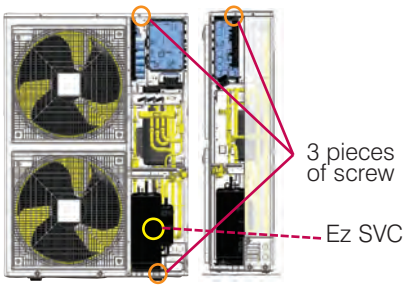
2 Convenient moving handle

Fitted hand grips for easy transportation and installation.



3 Compact Design & Ez SVC

- Remove 3 pieces of screw for SVC
- Front panel removal system



ceiling cassette

The ceiling cassette is used for the commercial purpose. It can be installed in restaurants, hotels, offices and meeting rooms.

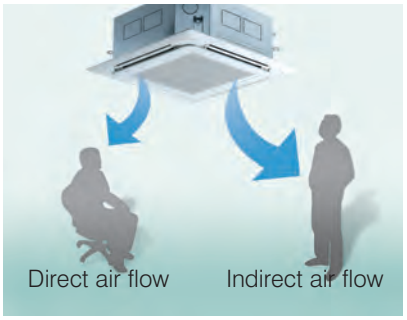
New Ceiling Cassette
(UT24~UT60 models)

4 Vane Independent Operation

Vane angle control satisfies both users who like direct wind or indirect wind. And also it prevents cold air draft.

• This function can be controled with new wired remote controller


(PQRCUSA0)



All vane operation

Individual vane operation

Air flow rate control

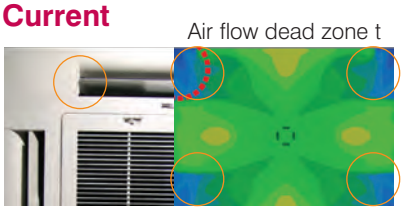
Individual vane angle control

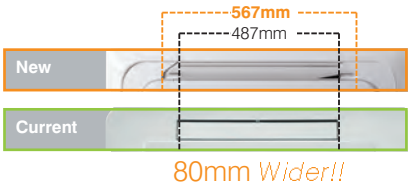
Wide Jet Air Flow

Improved wide and narrow vane will provide comfortable temperature distribution without air flow dead zone.

New Cassette

Current



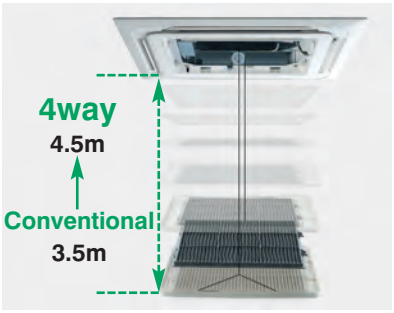


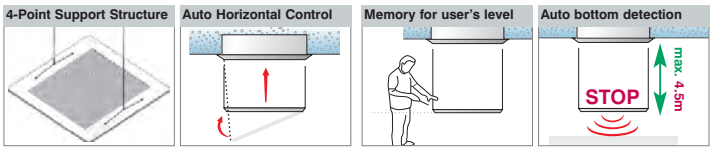
Elevation Grille

(Accessory : PTEGMO)

Easy filter cleaning with elevation grille

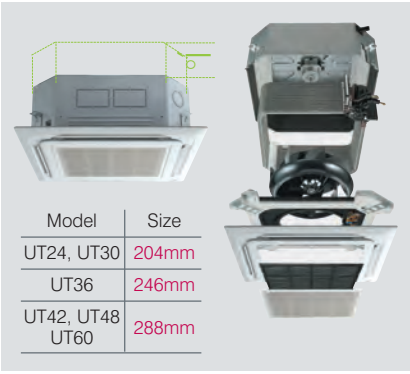
- Installed inside main body
- Auto horizontal level
- 4 points support
- Memory for user's level
- Max. 4.5m length





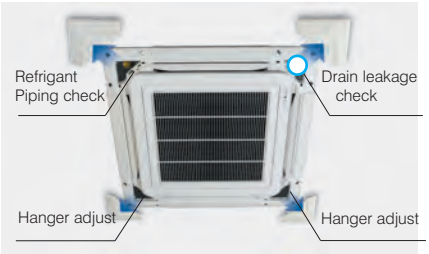
ceiling cassette

Compact Size
The indoor unit with slim and compact size enables successful installation in various spaces.



Model	Size
UT24, UT30	204mm
UT36	246mm
UT42, UT48 UT60	288mm

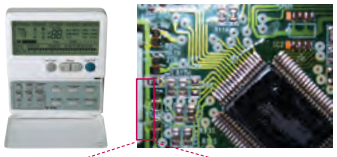
Convenient Installation
Easy installation with corner detachable decoration panel.

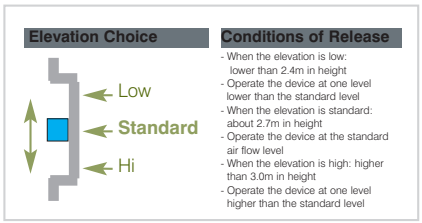


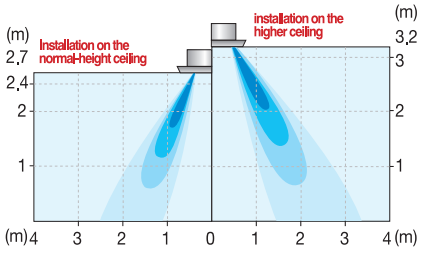
One touch type Panel
It provides easy installation with a one-touch detachable panel.

Two Thermistor Control
There may be a significant difference between the temperature taken at the installed product and indoor temperature. With the help of the slide switch at the back of the LCD wired remote controller, selection of the desired thermistor for controlling the unit can be done. One thermistor is in the Indoor unit & the other one is in the LCD wired remote.

Function to Control the Air Volume by Ceiling Height
Control of the air intensity has been made possible by employing a height-control algorithm for the interior fan.



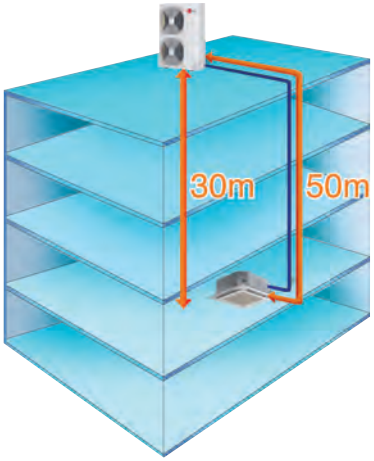




Cassette Cover
(Accessory: PTDCM)
Maintains the ceiling elegance.

- Covers the side area of cassette.
- Gives elegant looks.
- Light weight.
- Suitable when false ceiling is unavailable.

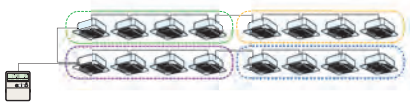
Long Distance, High Elevation Piping
LG air conditioners (cassette and concealed duct models) can be installed for long distance (up to 50m) and high elevation applications (up to 30m).



Weekly Program
The operator can set an On/Off reservation of the air conditioner for a period of one week.

LCD Wired Remote Controller
- 24-Hour ON/ OFF Timer in 1 hour intervals
- TEST RUN Mode
- Self-Diagnosis function
- 3-Step Fan Speed selection
- Operation Indication
- Room Temperature Display
- Only 20mm thickness

Group Control
Up to 16 units can be controlled from 1 Remote Controller

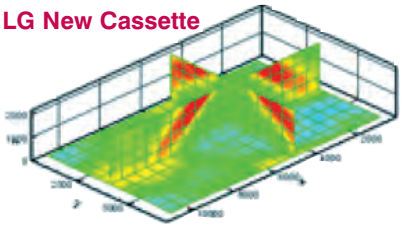


ceiling cassette

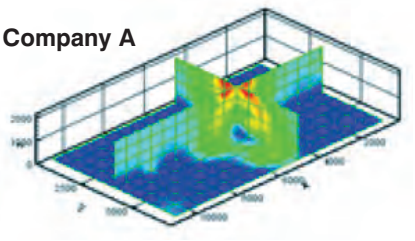
Swirl Swing

Swirl swing distributes air evenly throughout the room to ensure a more comfortable conditioned environment by adjusting the movement of the louvers.

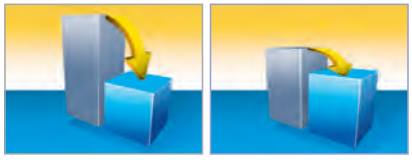
LG New Cassette



Company A



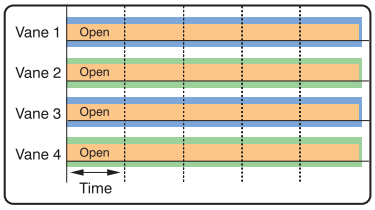
- Comparison of temperatures



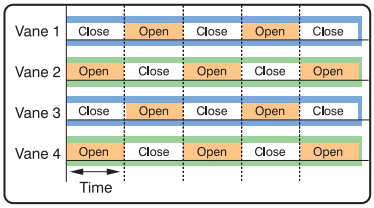
Vertical Temp. Differences | Horizontal Temp. Differences

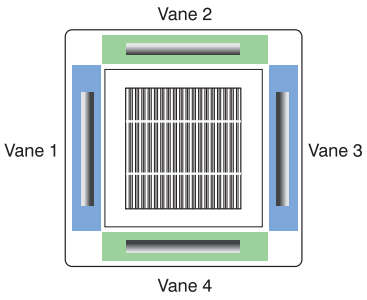
- Comparison of Air Flow Types (UT12~18)

4-Open(Conventional)



Swirl Swing (New)

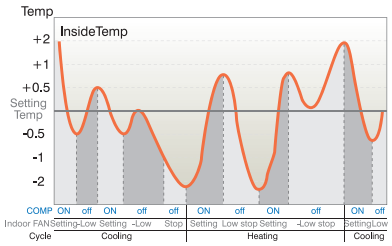




Auto Changeover

With reverse cycle models, the air conditioner will switch automatically from cooling to heating modes depending on the set temperature.

- Initial Setting Temp:18°C: (Memory the final setting temp)
- Control of setting temp.
  Wired Remoted Controller:18~30°C
  Reset Button in indoor unit: finally memorized temp.
  Wireless Remoted Controller: 23~27



ceiling cassette heat pump non inverter

UT12 / UT18

UT12 , UT18

Specification

Indoor Unit

			F/Panel	UT12 NEC PT-HEC1	UT18 NEC PT-HEC1
Nominal Capacity (Rated)	Cooling		Btu/h	12,000	18,000
			kw	3.52	5.28
	Heating		Btu/h	13,200	19,800
			kw	3.87	5.8
Nominal Input (Rated)	Cooling		kw	1.35	2.02
	Heating		kw	1.37	2.06
Running Current	Cooling /Heating		A	0.35	0.43
Power Supply			Ø/V/Hz	1 / 220 ~240 / 50	1 / 220 ~240 / 50
EER	Cooling		kw/kw	2.61	2.61
COP	Heating		kw/kw	2.82	2.82
Operational Temperature	Cooling		℃	-5 ~ 43	-5 ~ 43
Range (Outdoor)	Heating		℃	-10 ~ 24	-10 ~ 24
Air Flow Rate (H/M/L)			CMM	9.5 /8/7	13/12/11
			CFM	336 / 283 / 247	459 / 422 / 388
Sound Level (H/M/L)			dB(A)±3	38 / 35 / 32	41 / 39 / 37
Dehumidification Rate			l/h	1.2	2.4
Dimensions (WxHxD)	Body		mm(inch)	570*269*570(22.4*10.5*22.4)	570*269*570(22.4*10.5*22.4)
	Decorative Panel		mm	670*30*670(26.4*1.2 *26.4)	670*30*670(26.4*1.2 *26.4)
Weight	Body		kg(lbs)	19(41.9)	19(41.9)
	Decorative Panel		kg(lbs)	3(6.6)	3(6.6)
Piping Connections	Liquid		mm(inch)	6.35 (1/4)	6.35 (1/4)
	Gas		mm(inch)	9.52 (3/8)	12.7 (1/2)
ECA Compliant				N	N

Outdoor Unit

			UU12 ULC	UU18 UEC
Compressor	Type		Rotary	Rotary
Refrigerant Charge	Charge	g(oz)	1200(42.4)	1300(45.90)
	Type		R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge
Noise Level	Sound Press,1m	dB(A)±3	47	52
Dimensions	W*H*D	mm(inch)	770*540*245 (30.3*21.3*9.6)	870*655*320(34.3*25.8*12.6)
Net Weight	Outdoor	kg(lbs)	31(68.3)	52(114.6)
Piping connection	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)
	Gas	mm(inch)	9.52 (3/8)	12.7 (1/2)
Power Supply Cable(Includes earth)		No.*mm²	3x2.5	3x2.5
Interunit Cable(Includes earth)		No.*mm²	4x0.75	4x0.75
Max. Piping Length/Elevation		m	15/10	50/30
Power Supply		ø,V, Hz	1,220~240,50	1,220~240,50
Running Current	Cooling/Heating	A	6.2/6.3	8.6/9.4
Air Circulation		CMM(CFM)	26(918)	53(1872)
Additional Refrigerant Charge (Over 7.5m)		g/m	20	35
Fuse Sizes Amps			10A	16A

UU12 UU18

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

ceiling cassette heat pump non inverter

UT24 / UT30 / UT36
UT48 / UT60

UT24 ~ UT60

Specification

Indoor Unit

		F/Panel	UT24 NPD PT-UMC	UT30 NPD PT-UMC	UT36 NND PT-UMC	UT48 NMD PT-UMC	UT60 NMD PT-UMC
Nominal Capacity (Rated)	Cooling	Btu/h	23,885	27,300	34,100	46,700	48,800
		kw	7.0	8.00	10.0	13.70	14.30
	Heating	Btu/h	25,591	30,700	37,500	51,200	58,000
		kw	7.5	9.00	11.0	15.00	17.00
Nominal Input (Rated)	Cooling	kw	2.49	3.62	3.80	5.40	5.90
	Heating	kw	2.60	3.60	3.40	5.00	5.80
Running Current	Cooling /Heating	A	0.6	0.6	0.6	0.72	0.72
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
EER	Cooling	kw/kw	2.81	2.21	2.63	2.54	2.42
COP	Heating	kw/kw	2.88	2.50	3.24	3.00	2.93
Operational Temperature	Cooling	℃	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43
Range (Outdoor)	Heating	℃	-10 ~ 24	-10 ~ 24	-10 ~ 24	-10 ~ 24	-10 ~ 24
Air Flow Rate (H/M/L)		CMM	17/15/13	19 / 17 / 15	24 / 22 / 19	34 / 32 / 30	34 / 32 / 30
		CFM	582/519/459	671 / 600 / 530	847 / 759 / 671	1200 / 1130 / 1059	1200 / 1130 / 1059
Sound Level (H/M/L)		dB(A)±3	39/37/34	43/40/37	43/40/37	49 / 47 / 43	49 / 47 / 43
Dehumidification Rate		l/h	2.1	2.5	2.7	4.4	5.5
Dimensions (WxHxD)	Body	mm(inch)	840*204*840(33.1*8.0*33.1)	840*204*840(33.1*8.0*33.1)	840*246*840(33.1*9.7*33.1)	840*288*840(33.1*11.3*33.1)	840*288*840(33.1*11.3*33.1)
	Decorative Panel	mm	950*25*950(37.4*1.0*37.4)	950*25*950(37.4*1.0*37.4)	950*25*950(37.4*1.0*37.4)	950*25*950(37.4*1.0*37.4)	950*25*950(37.4*1.0*37.4)
Weight	Body	kg(lbs)	21(46.3)	21(46.3)	23.5(51.8)	26(57.3)	26(57.3)
	Decorative Panel	kg(lbs)	5(11.0)	5(11.0)	5(11.0)	5(11.0)	5(11.0)
Piping Connections	Liquid	mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
ECA Compliant			N	N	N	N	N

Outdoor Unit

			UU24 UED	UU30 UED	UU37 UED	UU48 U3D	UU60 U3D
Compressor	Type		Rotary	Rotary	Scroll	Scroll	Scroll
Refrigerant Charge	Charge	g(oz)	1950(68.9)	1870(66.0)	2450(86.4)	3300(116.4)	3500(123.4)
	Type		R410A	R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level	Sound Press,1m	dB(A)±3	52	53	52	55	55
Dimensions	W*H*D	mm(inch)	870*808*320(34.3*31.8*12.6)	870*808*320(34.3*31.8*12.6)	870*1060*320(34.2*41.7*12.6)	950*1380*330(37.4*54.3*13.0)	950*1380*330(37.4*54.3*13.0)
Net Weight	Outdoor	kg(lbs)	60(132.2)	64(141)	85(187)	105(231)	105(231)
Piping connection	Liquid	mm(inch)	9.52(3/8)	9.52(3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Power Supply Cable(Includes earth)		No.*mm²	3x2.5	3x3.5	4x2.5	4x2.5	4x2.5
Interunit Cable(Includes earth)		No.*mm²	4x0.75	4x0.75	4x0.75	4x0.75	4x0.75
Max. Piping Length/Elevation		m	40/30	50/30	50/30	50/30	50/30
Power Supply		ø,V, Hz	1,220~240,50	1,220~240,50	3,380~415,50	3,380~415,50	3,380~415,50
Running Current	Cooling/Heating	A	11.4/12.6	17.2/16.3	7.5/7.7	6.5/6.4	6.9/6.7
Air Circulation		CMM(CFM)	53(1872)	53(1872)	32(1130)*2	55(1942) *2	55(1942) *2
Additional Refrigerant Charge (Over 7.5m)		g/m	45	45	45	50	50
Fuse Sizes Amps			16A	25A	10A	16A	16A

UU24/UU30

UU37

UU48 / UU60

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

ceiling cassette DC inverter

UT12 / UT18

Specification

Indoor Unit

			UT12 NEC PT-HEC1	UT18 NEC PT-HEC1
		F/Panel		
Nominal Capacity (Min~Rating~Max)	Cooling	Btu/h	4,800~12,000~13,200	7,200~18,000~19,800
		kw	1.40~3.52~3.87	2.11~5.28~5.81
	Heating	Btu/h	5,520~13,800~15,180	8,520~13,800~15,180
		kw	1.62~4.04~4.44	2.38~5.95~6.54
Nominal Input (Rating)	Cooling	kw	1.25	1.64
	Heating	kw	1.26	1.85
Running Current	Cooling /Heating	A	0.35	0.35
Power Supply		Ø/V/Hz	1 / 220 ~240 / 50	1 / 220 ~240 / 50
EER		kw/kw	2.82	3.22
COP		kw/kw	3.21	3.22
Operational Temperature Range (Indoor)	Cooling	℃	-10 ~ 46	-10 ~ 46
	Heating	℃	-15 ~ 24	-15 ~ 24
Air Flow Rate (H/M/L)		CMM	9.5 /8/7	13/12/11
		CFM	336 / 283 / 247	459 / 422 / 388
Sound Level (H/M/L)		dB(A)±3	38 / 35 / 32	41 / 39 / 37
Dehumidification Rate		l/h	1.2	2.4
Dimensions (WxHxD)	Body	mm(inch)	570*269*570(22.4*10.5*22.4)	570*269*570(22.4*10.5*22.4)
	Decorative Panel	mm	670*30*670(26.4*1.2 *26.4)	670*30*670(26.4*1.2 *26.4)
Weight	Body	kg(lbs)	19(41.9)	19(41.9)
	Decorative Panel	kg(lbs)	3(6.6)	3(6.6)
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)
	Gas	mm(inch)	9.52 (3/8)	12.7 (1/2)
ECA Compliant			N	N

Outdoor Unit

			UU12W UEC	UU18W UEC
Compressor	Type		e - Scroll	e - Scroll
Refrigerant Charge	Charge	g(oz)	1100 (40)	1500(52.91)
		Type	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge
Noise Level(H/L)	Sound Press,1m	dB(A)±3	51 /45	51 /45
Dimensions	W*H*D	mm(inch)	870*655*320 (34.3*25.8*12.6)	870*655*320 (34.3*25.8*12.6)
Net Weight	Outdoor	kg(lbs)	46(101)	52(115)
Piping connection	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)
	Gas	mm(inch)	9.52 (3/8)	12.7 (1/2)
Power Supply Cable(Includes earth)		No.*mm²	3 x 2.5	3 x 2.5
Interunit Cable(Includes earth)		No.*mm²	4 x 0.75	4 x 0.75
Max. Piping Length/Elevation		m	15/10	50/30
Power Supply		ø,V, Hz	1,220~240,50	1,220~240,50
Running Current	Cooling/Heating	A	6.5/5.8	7.5/10.6
Air Circulation		CMM(CFM)	50(1766)	50(1766)
Additional Refrigerant Charge (Over 7.5m)		g/m	20	25
Fuze Sizes Amps			10A	10A

Inverter

UU12W/UU18W

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

ceiling cassette DC inverter

UT24 / UT30 / UT36
UT42 / UT48 / UT60

Specification

Indoor Unit

			F/Panel	UT24 NPD PT-UMC	UT30 NPD PT-UMC	UT36 NND PT-UMC	UT42 NMD PT-UMC	UT48 NMD PT-UMC	UT60 NMD PT-UMC
Nominal Capacity (Min~Rating~Max)	Cooling	Btu/h		9,680~24,200~26,620	10,920~27,300~30,030	13,640~34,100~13,200	17,060~42,650~46,915	18,700~46,750~51,425	20,200~50,500~55,550
		kw		2.84~7.1~7.81	3.2~8.0~8.8	4.0~10.0~11.0	5.0~12.5~13.8	5.48~13.7~15.7	5.92~14.8~16.3
	Heating	Btu/h		10,920~27,300~30,300	12,280~30,700~33,770	15,000~37,500~41,250	19,108~47,770~52,547	21,840~54,600~60,060	23,200~58,000~63,800
		kw		3.2~8.0~8.8	3.6~9.0~9.9	4.4~11.0~12.1	5.0~14.0~15.4	6.4~16.0~17.6	6.8~17.0~18.7
Nominal Input (Rating)	Cooling	kw		2.15	2.65	3.12	3.90	4.55	5.60
	Heating	kw		2.34	2.80	3.23	3.88	4.68	5.30
Running Current	Cooling /Heating	A		0.6	0.6	0.6	0.72	0.72	0.72
Power Supply		Ø/V/Hz		1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50
EER		kw/kw		3.30	3.02	3.21	3.21	3.01	2.64
COP		kw/kw		3.42	3.21	3.41	3.61	3.42	3.21
Operational Temperature Range(Indoor)	Cooling	℃		-10 ~ 46	-10 ~ 46	-10 ~ 43	-10 ~ 43	-10 ~ 43	-10 ~ 43
	Heating	℃		-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24
Air Flow Rate (H/M/L)		CMM		17/15/13	19 / 17 / 15	24 / 22 / 19	30 / 28 / 26	34 / 32 / 30	34 / 32 / 30
		CFM		582/519/459	671 / 600 / 530	847 / 759 / 671	1059 / 989 / 919	1200 / 1130 / 1059	1200 / 1130 / 1059
Sound Level (H/M/L)		dB(A)±3		39/37/34	43/40/37	43/40/37	46/44/40	49 / 47 / 43	49 / 47 / 43
Dehumidification Rate		l/h		2.1	2.5	2.7	3.6	4.4	5.5
Dimensions (WxHxD)	Body	mm(inch)		840*204*840(33.1*8.0*33.1)	840*204*840(33.1*8.0*33.1)	840*246*840(33.1*9.7*33.1)	840*288*840(33.1*11.3*33.1)	840*288*840(33.1*11.3*33.1)	840*288*840(33.1*11.3*33.1)
	Decorative Panel	mm		950*25*950(37.4*1.0*37.4)	950*25*950(37.4*1.0*37.4)	950*25*950(37.4*1.0*37.4)	950*25*950(37.4*1.0*37.4)	950*25*950(37.4*1.0*37.4)	950*25*950(37.4*1.0*37.4)
Weight	Body	kg(lbs)		21(46.3)	21(46.3)	23.5(51.8)	26(57.3)	26(57.3)	26(57.3)
	Decorative Panel	kg(lbs)		5(11.0)	5(11.0)	5(11.0)	5(11.0)	5(11.0)	5(11.0)
Piping Connections	Liquid	mm(inch)		9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)		15.88 (5/8)	15.88 (5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
ECA Compliant				N	N	N	N	N	N

Outdoor Unit

			UU24W UED	UU30W UED	UU36W UED	UU42W U3D	UU48W U3D	UU60W U3D
Compressor	Type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Refrigerant Charge	Charge	g(oz)	2000(70.6)	2000(70.6)	2500(88.2)	3600(127)	3600(127)	3600(127)
		Type	R410A	R410A	R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level(H/L)	Sound Press,1m	dB(A)±3	52/46	52/46	56/52	55/51	55/51	55/51
Dimensions	W*H*D	mm(inch)	870*808*320(34.3*31.8*12.6)	870*1060*320 (34.3*41.7*12.6)	870*1060*320 (34.3*41.7*12.6)	950*1380*330 (37.4*54.3*13.0)	950*1380*330 (37.4*54.3*13.0)	950*1380*330 (37.4*54.3*13.0)
Net Weight	Outdoor	kg(lbs)	60(132)	60(132)	75(165.3)	103(227)	103(227)	103(227)
Piping connection	Liquid	mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Power Supply Cable(Includes earth)		No.*mm2	3 x 2.5	3 x 2.5	3 x 2.5	3 x 3.5	3 x 3.5	3 x 3.5
Interunit Cable(Includes earth)		No.*mm2	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75
Max. Piping Length/Elevation		m	50/30	50/30	50/30	75/30	75/30	75/30
Power Supply		ø,V, Hz	1, 220~240, 50	1, 220~240, 50	1, 220~240, 50	1, 220~240, 50	1, 220~240, 50	1, 220~240, 50
Running Current	Cooling/Heating	A	10.0/10.7	12.0/13.0	14.0/14.2	17.7/16.7	20.5/20.5	24.7/23.5
Air Circulation	CMM(CFM)		58(2048)	58(2048)	32(1130) x 2	55(1942) x 2	55(1942) x 2	55(1942) x 2
Additional Refrigerant Charge (Over 7.5m)		g/m	35	35	50	40	40	40
Fuze Sizes Amps			16A	20A	20A	25A	32A	40A

Inverter

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

UU24W/UU30W

UU36W

UU42W / UU48W / UU60W

ceiling concealed duct

Hidden in the ceiling, this product is suitable for applications that require floor level or individual level air conditioning for buildings where there are many rooms or halls, such as restaurants, concert halls and hotels. Installation is not hindered by the location of lighting fixtures or room structure, and interior renovation is made easy with the installation of various ventilation diffusers.

EZ Tuning

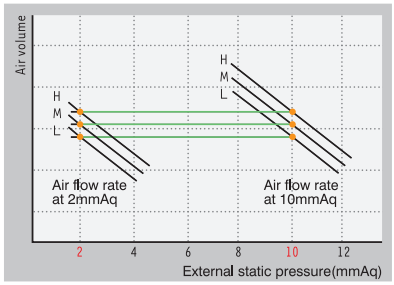
E.S.P: External Static Pressure

Always air volume and sound kept as design regardless of E.S.P change using this technology , you can

- Optimize Duct work Installation
- Keep Capacity & Sound level as desired
- Simplify model numbers

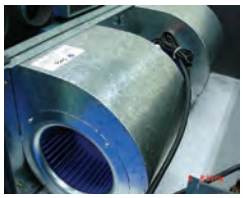
The Phase control motor Technology gives benefit of saving money to Installer. Desired Air flowrate is obtained by controlling the phase of motor while installing the product and this makes your duct work system flexible.

*E.S.P is easily controlled by remote controller.

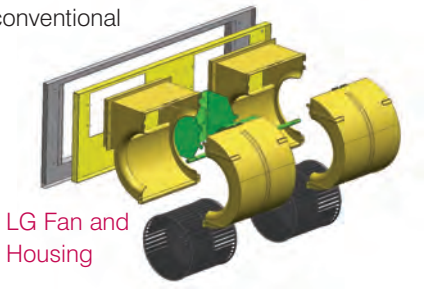


Quiet Operation & Easy Service

A lightweight plastic blower and housing makes air conditioning operation quiet and backup servicing more convenient. The new fan housing can be easily dismantled for convenient servicing and maintenance. The fan motor can be removed without the need to remove the complete fan direct assembly.



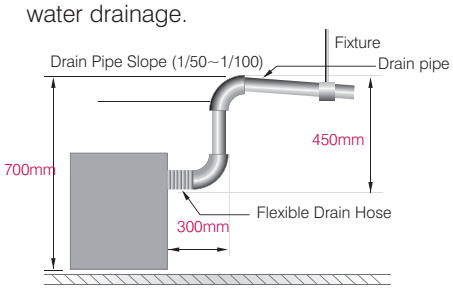
conventional



LG Fan and Housing

High Head Drain Pump

Auxiliary Drain Pump automatically drains water. A standard drain-head height of up to 700mm is possible, creating the ideal solution for perfect water drainage.



(Accessory: ABDPG)

Weekly Program

The operator can set an On/Off reservation of the air conditioner for a period of one week.

LCD Wired Remote Controller

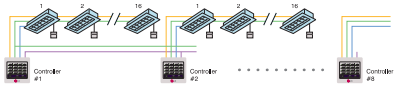
- 24-Hour ON/ OFF Timer in 1 hour intervals
- TEST RUN Mode
- Self-Diagnosis function
- 3-Step Fan Speed selection
- Operation Indication
- Room Temperature Display
- Only 20mm thick

Central Controller

Operation Summary

LG units come with advanced control options, take for instance the Central Controller. Designed for the commercial application, where multiple Air Conditioning units have been installed.

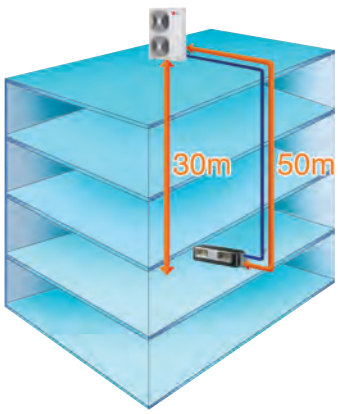
You can control or fault find up to 16~2048 Air Conditioning units (via 8 separate controllers) individually or all together.



Long Distance,

High Elevation Piping

Our LG Air Conditioners(Cassette and Concealed duct model) are possible to be installed a long distance(Max 50m) that is included High Elevation(30m).



ceiling concealed duct
Heat Pump Non Inverter

UB18 / UB24 / UB30
UB36 / UB48 / UB60

Specification

Indoor Unit

			UB18 NHC	UB24 NHD	UB30 NGD	UB36 NGD	UB48 NRD	UB60 NRD
Nominal Capacity (Rated)	Cooling	Btu/h	18,000	22,179	27,300	34,100	46,700	50,800
		kw	5.28	6.5	8.00	10.0	13.70	14.90
	Heating	Btu/h	19,800	26,410	30,700	37,500	54,600	59,700
		kw	5.8	7.4	9.00	11.0	16.00	17.50
Nominal Input (Rated)	Cooling	kw	1.88	2.49	3.60	4.00	5.84	6.30
	Heating	kw	2.06	2.60	3.20	3.60	5.10	5.00
Running Current	Cooling /Heating	A	0.92	0.92	1.34	1.42	3.65	3.65
	Power Suppl	Ø/V/Hz	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50
EER	Cooling	kw/kw	2.81	2.61	2.22	2.50	2.35	2.37
COP	Heating	kw/kw	2.82	2.85	2.81	3.06	3.14	3.50
Operational Temperature	Cooling	°C	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43
Range (Indoor)	Heating	°C	-10 ~ 24	-10 ~ 24	-10 ~ 24	-10 ~ 24	-10 ~ 24	-10 ~ 24
Air Flow Rate (H/M/L)		CMM	16.5/14.5/13	18/16.5/14	26.5/23/20	32/29/26	40/35/30	50/45/40
		CFM	583/512/459	636/583/494	936/812/706	1130/1024/918	1413/1236/1059	1766/1413/1236
Sound Level (H/M/L)		dB(A)±3	36/34/32	38/36/34	34/38/35	42/39/36	44/42/40	46/44/42
Dehumidification Rate		l/h	2.0	2.5	3.3	4.0	6.0	6.5
Dimensions (WxHxD)	Body	mm(inch)	880*260*450(34.6*10.2*17.7)	880*260*450(34.6*10.2*17.7)	1180*298*450(46.5*11.7*17.7)	1180*298*450(46.5*11.7*17.7)	1230*380*590(48.4*15.0*23.2)	1230*380*590(48.4*15.0*23.2)
Weight	Body	kg(lbs)	35(77.2)	35(77.2)	38(84)	38(84)	60(132)	62(137)
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drain (OD/ID)	mm	32/25	32/25	32/25	32/25	32/25	32/25
ECA Compliant			N	N	N	N	N	N

Outdoor Unit

			UU18 UEC	UU24 UED	UU30 UED	UU37 UED	UU48 U3D	UU60 U3D
Compressor	Type		Rotary	Rotary	Rotary	Scroll	Scroll	Scroll
Refrigerant Charge	Charge	g(oz)	1300(45.90)	1950(68.9)	1870(66.0)	2450(86.4)	3300(116.4)	3500(123.4)
	Type		R410A	R410A	R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level	Sound Press,1m	dB(A)±3	52	52	53	52	55	55
Dimensions	W*H*D	mm(inch)	870*655*320(34.3*25.8*12.6)	870*808*320(34.3*31.8*12.6)	870*808*320(34.3*31.8*12.6)	870*1060*320(34.2*41.7*12.6)	950*1380*330(37.4*54.3*13.0)	950*1380*330(37.4*54.3*13.0)
Net Weight	Outdoor	kg(lbs)	52(114.6)	60(132.2)	64(141)	85(187)	105(231)	105(231)
Piping connection	Liquid	mm(inch)	6.35 (1/4)	9.52(3/8)	9.52(3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Power Supply Cable(Includes earth)		No.*mm2	3x2.5	3x2.5	3x3.5	4x2.5	4x2.5	4x2.5
Interunit Cable(Includes earth)		No.*mm2	4x0.75	4x0.75	4x0.75	4x0.75	4x0.75	4x0.75
Max. Piping Length/Elevation		m	50/30	40/30	50/30	50/30	50/30	50/30
Power Supply		ø,V, Hz	1,220~240,50	1,220~240,50	1,220~240,50	3,380~415,50	3,380~415,50	3,380~415,50
Running Current	Cooling/Heating	A	8.6/9.4	11.4/12.6	17.2/16.3	7.5/7.7	6.5/6.4	6.9/6.7
Air Circulation		CMM(CFM)	53(1872)	53(1872)	53(1872)	32(1130)*2	55(1942) *2	55(1942) *2
Additional Refrigerant Charge		g/m	35	45	45	45	50	50
Fuse Sizes Amps			16A	16A	25A	10A	16A	16A

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


UU18


UU24/UU30


UU37


UU48 / UU60

ceiling concealed duct DC inverter

UB18 / UB24 / UB30
UB36 / UB48 / UB60

Specification

Indoor Unit

			UB18 NHC	UB24 NHD	UB30 NGD	UB36 NGD	UB42 NRD	UB48 NRD	UB60 NRD
Nominal Capacity	Cooling	Btu/h	7,200~18,000~19,800	9,680~24,200~26,620	10,920~27,300~30,030	13,640~34,100~37,500	17,060~42,650~46,910	19,100~47,770~52,540	20,200~50,500~55,550
(Min~Rating~Max)		kw	2.11~5.28~5.81	2.84~7.1~7.81	3.2~8.0~8.8	4.0~10.0~11.0	5.0~12.5~13.8	5.6~14.0~15.4	5.92~14.8~16.3
	Heating	Btu/h	8,120~20,300~22,330	10,920~27,300~30,030	12,280~30,700~33,770	15,280~38,200~42,020	19,108~47,770~52,540	22,520~56,300~61,930	23,200~58,000~63,800
		kw	2.38~5.95~6.54	3.2~8.0~8.8	3.6~9.0~9.9	4.48~11.2~12.3	5.6~14.0~15.4	6.6~16.5~18.2	6.8~17.0~18.7
Nominal Input	Cooling	kw	1.75	2.62	2.84	3.51	4.15	4.60	5.27
(Rating)	Heating	kw	1.85	2.75	2.49	3.49	3.88	4.57	4.71
Running Current	Cooling /Heating	A	0.92	0.92	1.34	1.42	3.65	3.65	3.65
Power Supply		Ø/V/Hz	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50
EER	Cooling	kw/kw	3.02	2.71	2.82	2.85	3.01	3.04	2.81
COP	Heating	kw/kw	3.22	2.91	3.61	3.21	3.61	3.61	3.61
Operational Temperature	Cooling	℃	-10 ~ 46	-10 ~ 46	-10 ~ 46	-10 ~ 43	-10 ~ 43	-10 ~ 43	-10 ~ 43
Range (Indoor)	Heating	℃	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24
Air Flow Rate (H/M/L)		CMM	16.5/14.5/13	18/16.5/14	26.5/23/20	32/29/26	36/32/38	40/35/30	50/45/40
		CFM	583/512/459	636/583/494	936/812/706	1130/1024/918	1260/1120/980	1413/1236/1059	1766/1413/1236
Sound Level (H/M/L)		dB(A)±3	36/34/32	38/36/34	34/38/35	42/39/36	42/40/38	44/42/40	46/44/42
Dehumidification Rate		l/h	2.0	2.5	3.3	4.0	5.0	6.0	6.5
Dimensions (WxHxD)	Body	mm(inch)	880*260*450(34.6*10.2*17.7)	880*260*450(34.6*10.2*17.7)	1180*298*450(46.5*11.7*17.7)	1180*298*450(46.5*11.7*17.7)	1230*380*590(48.4*15.0*23.2)	1230*380*590(48.4*15.0*23.2)	1230*380*590(48.4*15.0*23.2)
Weight	Body	kg(lbs)	35(77.2)	35(77.2)	38(84)	38(84)	60(132)	60(132)	62(137)
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drain(OD/ID)	mm	32/25	32/25	32/25	32/25	32/25	32/25	32/25
ECA Compliant			N	N	N	N	Y	Y	N

Outdoor Unit

			UU18W UEC	UU24W UED	UU30W UED	UU36W UED	UU42W U3D	UU48W U3D	UU60W U3D
Compressor	Type		e - Scroll	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Refrigerant Charge	Charge	g(oz)	1500(52.91)	2000(70.6)	2000(70.6)	2500(88.2)	3600(127)	3600(127)	3600(127)
	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level(H/L)	Sound Press,1m	dB(A)±3	51 /45	52/46	52/46	56/52	55/51	55/51	55/51
Dimensions	W*H*D	mm(inch)	870*655*320(34.3*25.8*12.6)	870*808*320(34.3*31.8*12.6)	870*1060*320(34.3*41.7*12.6)	870*1060*320(34.3*41.7*12.6)	950*1380*330(37.4*54.3*13.0)	950*1380*330(37.4*54.3*13.0)	950*1380*330(37.4*54.3*13.0)
Net Weight	Outdoor	kg(lbs)	52(114.6)	60(132)	60(132)	75(165.3)	103(227)	103(227)	103(227)
Piping connection	Liquid	mm(inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Power Supply Cable(Includes earth)		No.*mm2	3 x 2.5	3 x 2.5	3 x 2.5	3 x 2.5	3 x 3.5	3 x 3.5	3 x 3.5
Interunit Cable(Includes earth)		No.*mm2	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75
Max. Piping Length/Elevation		m	50/30	50/30	50/30	50/30	75/30	75/30	75/30
Power Supply		ø,V, Hz	1,220~240,50	1, 220~240, 50	1, 220~240, 50	1, 220~240, 50	1, 220~240, 50	1, 220~240, 50	1, 220~240, 50
Running Current	Cooling/Heating	A	7.5/10.6	10.0/10.7	12.0/13.0	14.0/14.2	17.7/16.7	20.5/20.5	24.7/23.5
Air Circulation		CMM(CFM)	50(1766)	58(2048)	58(2048)	32(1130) x 2	55(1942) x 2	55(1942) x 2	55(1942) x 2
Additional Refrigerant Charge		g/m	25	35	35	50	40	40	40
Fuse Sizes Amps			10A	16A	20A	20A	25A	32A	40A

Inverter

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

ceiling & floor ceiling suspended

Floor / Ceiling Convertible System has the flexibility of multiple installations. The Indoor Unit can easily be mounted on the floor or suspended from the ceiling. The Convertible System features Gold Fin protection on the Outdoor Unit & Energy Saving Plasma Heat Exchanger in the Indoor Unit.

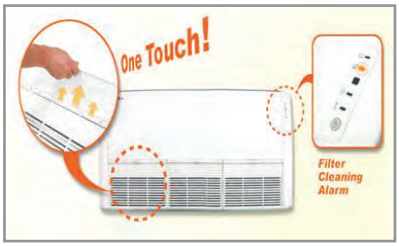
Compact Size

•1350x650x220(36K)

•1750x650x220(48/60K)

•Weight : 65kg 35kg
•Volume : 100% 68%

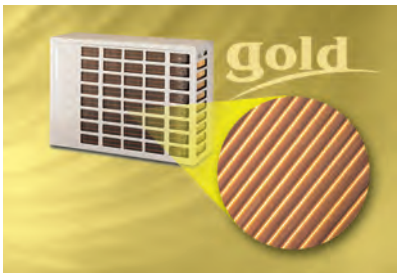
Upgraded Function



- One Touch Filter & Filter Cleaning Alarm Function
- Power Wind Mode
- Wired Remote Controller (Option)
  (UV18~UV60 available)
  - Weekly Program
  - Group control. etc

Gold Fin™ Anti Corrosion

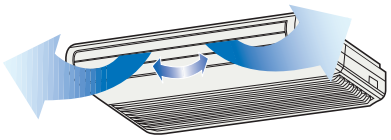
LG's Outdoor Heat Exchanger is coated with a golden anti-corrosive epoxy treatment on the aluminum coil to minimized corrosion. This maintains heat transfer properties of the coil for an extended time where as non-Gold Fin coils progressively lose efficiency due to surface corrosion. Standard on every LG air conditioner, this assists in areas suffering from pollution or near the ocean where the unit may subjected to higher levels of salt.



Airflow Direction Control

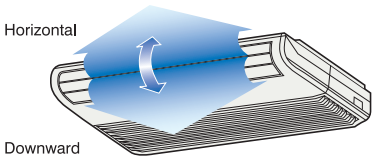
Horizontal Airflow Direction Control.

Adjust the horizontal airflow direction by manually moving the horizontal airflow direction louver by hand.



Vertical Airflow Direction Control

The airflow direction can be adjusted as desired by using the remote controller.



ceiling & floor Heat Pump Non Inverter

UV12 / UV18
UV24 / UV30


UV12


UV18~UV30

Specification

Indoor Unit

			*UV12 NEC	UV18 NBC	UV24 NBD	UV30 NBD
Nominal Capacity (Rated)	Cooling	Btu/h	12,000	18,000	22,179	26,600
		kw	3.52	5.28	6.5	7.80
	Heating	Btu/h	13,200	19,800	24,909	30,000
		kw	3.87	5.8	7.3	8.80
Nominal Input (Rated)	Cooling	kw	1.35	2.02	2.49	3.53
	Heating	kw	1.37	2.06	2.60	3.65
Running Current		A	0.56	0.56	0.56	0.56
Power Supply		Ø/V/Hz	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50
EER		W/	2.61	2.61	2.61	2.21
COP		W/	2.82	2.82	2.81	2.41
WOperational Temperature	Cooling	℃	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43
Range	Heating	℃	-10 ~ 24	-10 ~ 24	-10 ~ 24	-10 ~ 24
Air Flow Rate (H/M/L)		CMM	10 / 8.3 / 6.5	13.5 / 12 / 11	15 / 13.5 / 12	18 / 16 / 14
		CFM	353 / 293 / 230	437 / 424 / 388	530 / 477 / 424	636/564/494
Sound Level (H/M/L)		dB(A)±3	40 / 36 / 31	43 / 40 / 37	45 / 42 / 39	45 / 42 / 39
Dehumidification Rate		l/h	1.2	2.3	3.2	3.5
Dimensions (WxHxD)	Body	mm(inch)	900*200*490(35.4*7.9*19.3)	1,200*205*615(47.2*8.1*24.2)	1,200*205*615(47.2*8.1*24.2)	1,200*205*615(47.2*8.1*24.2)
Weight	Body	kg(lbs)	12(26.5)	30(66.1)	30(66.1)	30(66.1)
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)
ECA Compliant			N	N	N	N

* Autochangeover operation is not available in UV12 NEC.

Outdoor Unit

			UU12 ULC	UU18 UEC	UU24 UED	UU30 UED
Compressor	Type		Rotary	Rotary	Rotary	Rotary
Refrigerant Charge	Charge*	g(oz)	1200(42.4)	1300(45.90)	1950(68.9)	1870(66.0)
	Type		R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level(H/L)	Sound Press,1m	dB(A)±3	47	52	52	53
Dimensions	W*H*D	mm (inch)	770*540*245 (30.3*21.3*9.6)	870*655*320 (34.3*25.8*12.6)	870*808*320(34.3*31.8*12.6)	870*808*320(34.3*31.8*12.6)
Net Weight	Outdoor	kg(lbs)	31(68.3)	52(114.6)	60(132.2)	64(141)
Piping connections	Liquid	mm (inch)	6.35 (1/4)	6.35 (1/4)	9.52(3/8)	9.52(3/8)
	Gas	mm (inch)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)
Power Supply Cable (Includes earth)		No.*mm2	3x2.5	3x2.5	3x2.5	3x3.5
Interunit Cable (Includes earth)		No.*mm2	4x0.75	4x0.75	4x0.75	4x0.75
Max. Piping Length/Elevation		m	15/10	50/30	40/30	50/30
Power Supply		Ø,V,Hz	1,220~240,50	1,220~240,50	1,220~240,50	1,220~240,50
Running Current	Cooling/Heating	A	6.2/6.3	8.6/9.4	11.4/12.6	17.2/16.3
Air Circulation		CMM (CFM)	26(918)	53(1872)	53(1872)	53(1872)
Additional Refrigerant Charge (Over 7.5m)		g/m	20	35	45	45
Fuse Sizes Amps			10A	16A	16A	25A


UU12 UU18/UU24 UU30

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

ceiling suspended Heat Pump Non Inverter

UV36 / UV48 / UV60

Specification

Indoor Unit

			UV36 NKD	UV48 NLD	UV60 NLD
Nominal Capacity (Rated)	Cooling	Btu/h	34,100	45,000	48,800
		kw	10.0	13.20	14.30
	Heating	Btu/h	37,500	54,600	58,000
		kw	11.0	16.00	17.00
Nominal Input (Rated)	Cooling	kw	3.72	5.30	5.90
	Heating	kw	3.78	5.10	5.80
Running Current		A	0.97	0.67*2	0.67*2
Power Supply		Ø/V/Hz	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50
EER		W/	2.69	2.49	2.42
COP		W/	2.91	3.14	2.93
WOperational Temperature	Cooling	°C	-5 ~ 43	-5 ~ 43	-5 ~ 43
Range	Heating	°C	-10 ~ 24	-10 ~ 24	-10 ~ 24
Air Flow Rate (H/M/L)		CMM	29 / 27 / 24	36 / 34 / 32	38 / 36 / 34
		CFM	1023 / 953 / 847	1271 / 1207 / 1136	1341 / 1270 / 1207
Sound Level (H/M/L)		dB(A)±3	44 / 42 / 40	54 / 52 / 50	56 / 54 / 52
Dehumidification Rate		l/h	3.5	5.8	6.2
Dimensions (WxHxD)	Body	mm(inch)	1350*630*220(53.2*24.8*8.66)	1750*630*220(68.9*24.8*8.66)	1750*630*220(68.9*24.8*8.66)
Weight	Body	kg(lbs)	35(77.2)	45(99.2)	45(99.2)
Piping Connections	Liquid	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)
ECA Compliant			N	N	N

Outdoor Unit

			UU37 UED	UU48 U3D	UU60 U3D
Compressor	Type		Scroll	Scroll	Scroll
Refrigerant Charge	Charge*	g(oz)	2450(86.4)	3300(116.4)	3500(123.4)
	Type		R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge
Noise Level(H/L)	Sound Press,1m	dB(A)±3	52	55	55
Dimensions	W*H*D	mm (inch)	870*1060*320 (34.2*41.7*12.6)	950*1380*330(37.4*54.3*13.0)	950*1380*330(37.4*54.3*13.0)
Net Weight	Outdoor	kg(lbs)	85(187)	105(231)	105(231)
Piping connections	Liquid	mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Power Supply Cable (Includes earth)		No.*mm2	4x2.5	4x2.5	4x2.5
Interunit Cable (Includes earth)		No.*mm2	4x0.75	4x0.75	4x0.75
Max. Piping Length/Elevation		m	50/30	50/30	50/30
Power Supply		Ø,V,Hz	3,380~415,50	3,380~415,50	3,380~415,50
Running Current	Cooling/Heating	A	7.5/7.7	6.5/6.4	6.9/6.7
Air Circulation		CMM (CFM)	32(1130)*2	55(1942) *2	55(1942) *2
Additional Refrigerant Charge		g/m	45	50	50
Fuse Sizes Amps			10A	16A	16A

UU37

UU48 / UU60

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

UV12 / UV18
UV24 / UV30

Specification

Indoor Unit

			*UV12 NEC	UV18 NBC	UV24 NBD	UV30 NBD
Nominal Capacity (Rated)	Cooling	Btu/h	4,800 ~ 12,000 ~ 13,200	7,200 ~ 18,000 ~ 19,800	9,553 ~ 23,884 ~ 26,272	10,373 ~ 25,932 ~ 28,525
		kw	1.40 ~ 3.52 ~ 3.87	2.11 ~ 5.28 ~ 5.81	2.8 ~ 7.0 ~ 7.7	3.04 ~ 7.6 ~ 8.36
	Heating	Btu/h	5,520 ~ 13,800 ~ 15,180	8,120 ~ 20,300 ~ 22,330	10,509 ~ 26,274 ~ 28,901	11,464 ~ 28,662 ~ 31,528
		kw	1.62 ~ 4.04 ~ 4.44	2.38 ~ 5.95 ~ 6.54	3.08 ~ 7.7 ~ 8.47	3.36 ~ 8.4 ~ 9.24
Nominal Input (Rated)	Cooling	kw	1.25	1.74	2.3	2.68
	Heating	kw	1.26	1.85	2.74	2.99
Running Current		A	0.56	0.56	0.56	0.56
Power Supply		Ø/V/Hz	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50
EER		W/	2.82	3.03	3.04	2.84
COP		W/	3.21	3.22	2.81	2.81
WOperational Temperature	Cooling	℃	-10 ~ 46	-10 ~ 46	-10 ~ 46	-10 ~ 46
Range	Heating	℃	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24
Air Flow Rate (H/M/L)		CMM	10 / 8.3 / 6.5	13.5 / 12 / 11	15 / 13.5 / 12	18 / 16 / 14
		CFM	353 / 293 / 230	437 / 424 / 388	530 / 477 / 424	636/564/494
Sound Level (H/M/L)		dB(A)±3	40 / 36 / 31	43 / 40 / 37	45 / 42 / 39	45 / 42 / 39
Dehumidification Rate		l/h	1.2	2.3	3.2	3.5
Dimensions (WxHxD)	Body	mm(inch)	900*200*490(35.4*7.9*19.3)	1,200*205*615(47.2*8.1*24.2)	1,200*205*615(47.2*8.1*24.2)	1,200*205*615(47.2*8.1*24.2)
Weight	Body	kg(lbs)	12(26.5)	30(66.1)	30(66.1)	30(66.1)
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)
ECA Compliant			N	N	N	N

* Autochangeover operation is not available in UV12 NEC.

Outdoor Unit

			UU12W UEC	UU18W UEC	UU24W UED	UU30W UED
Compressor	Type		e - Scroll	e - Scroll	Rotary	Rotary
Refrigerant Charge	Charge*	g(oz)	1100 (40)	1500(52.91)	2000(70.6)	2000(70.6)
	Type		R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level(H/L)	Sound Press,1m	dB(A)±3	51 /45	51 /45	52/46	52/46
Dimensions	W*H*D	mm (inch)	870*655*320 (34.3*25.8*12.6)	870*655*320 (34.3*25.8*12.6)	870*808*320(34.3*31.8*12.6)	870*1060*320 (34.3*41.7*12.6)
Net Weight	Outdoor	kg(lbs)	46(101)	52(114.6)	60(132)	60(132)
Piping connections	Liquid	mm (inch)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas	mm (inch)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)
Power Supply Cable (Includes earth)		No.*mm2	3 x 2.5	3 x 2.5	3 x 2.5	3 x 2.5
Interunit Cable (Includes earth)		No.*mm2	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75
Max. Piping Length/Elevation		m	15/10	50/30	50/30	50/30
Power Supply		Ø,V,Hz	1,220~240,50	1,220~240,50	1, 220~240, 50	1, 220~240, 50
Running Current	Cooling/Heating	A	6.5/5.8	7.5/10.6	10.0/10.7	12.0/13.0
Air Circulation		CMM (CFM)	50(1766)	50(1766)	58(2048)	58(2048)
Additional Refrigerant Charge (Over 7.5m)		g/m	20	25	35	35
Fuse Sizes Amps			10A	10A	16A	20A

Inverter

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

UU12W/UU18W UU24W/UU30W UU36W

ceiling suspended DC Inverter

UV36 / UV42
UV48 / UV60

UV36, UV42

UV48 , UV60

Specification

Indoor Unit

			UV36 NKD	UV42 NLD	UV48 NLD	UV60 NLD
Nominal Capacity (Rated)	Cooling	Btu/h	12960 ~ 32400 ~ 35640	17060 ~ 42650 ~ 46915	18160 ~ 45400 ~ 49940	19520 ~ 48800 ~ 53680
		kw	3.8 ~ 9.5 ~ 10.5	5.0 ~ 12.5 ~ 13.8	5.32 ~ 13.3 ~ 14.6	5.72 ~ 14.3 ~ 15.7
	Heating	Btu/h	14320 ~ 35800 ~ 39380	19108 ~ 47770 ~ 52547	21840 ~ 54600 ~ 60060	23200 ~ 58000 ~ 63800
		kw	4.2 ~ 10.5 ~ 11.6	5.6 ~ 14.0 ~ 15.4	6.4 ~ 16.0 ~ 17.6	6.8 ~ 17.0 ~ 18.7
Nominal Input (Rated)	Cooling	kw	3.32	4.15	4.60	5.50
	Heating	kw	3.27	3.88	4.70	5.30
Running Current		A	0.97	0.67*2	0.67*2	0.67*2
Power Supply		Ø/V/Hz	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50	1 / 220 ~240 / 50
EER		W/	2.86	3.01	2.89	2.61
COP		W/	3.21	3.61	3.41	3.21
WOperational Temperature	Cooling	°C	-10 ~ 43	-10 ~ 43	-10 ~ 43	-10 ~ 43
Range	Heating	°C	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24
Air Flow Rate (H/M/L)		CMM	29 / 27 / 24	32 / 30 /28	36 / 34 / 32	38 / 36 / 34
		CFM	1023 / 953 / 847	1136 / 1059 / 989	1271 / 1207 / 1136	1341 / 1270 / 1207
Sound Level (H/M/L)		dB(A)±3	44 / 42 / 40	48 /45 /42	54 / 52 / 50	56 / 54 / 52
Dehumidification Rate		l/h	3.5	4.5	5.8	6.2
Dimensions (WxHxD)	Body	mm(inch)	1350*630*220(53.2*24.8*8.66)	1750*630*220(58.9*24.8*8.66)	1750*630*220(68.9*24.8*8.66)	1750*630*220(68.9*24.8*8.66)
Weight	Body	kg(lbs)	35(77.2)	45(99.2)	45(99.2)	45(99.2)
Piping Connections	Liquid	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
ECA Compliant			N	Y	N	N

Outdoor Unit

			UU36W UED	UU42W U3D	UU48W U3D	UU60W U3D
Compressor	Type		Rotary	Rotary	Rotary	Rotary
Refrigerant Charge	Charge*	g(oz)	2500(88.2)	3600(127)	3600(127)	3600(127)
	Type		R410A	R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level(H/L)	Sound Press,1m	dB(A)±3	56/52	55/51	55/51	55/51
Dimensions	W*H*D	mm (inch)	870*1060*320 (34.3*41.7*12.6)	950*1380*330 (37.4*54.3*13.0)	950*1380*330 (37.4*54.3*13.0)	950*1380*330 (37.4*54.3*13.0)
Net Weight	Outdoor	kg(lbs)	75(165.3)	103(227)	103(227)	103(227)
Piping connections	Liquid	mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas	mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Power Supply Cable (Includes earth)		No.*mm2	3 x 2.5	3 x 3.5	3 x 3.5	3 x 3.5
Interunit Cable (Includes earth)		No.*mm2	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75
Max. Piping Length/Elevation		m	50/30	75/30	75/30	75/30
Power Supply		Ø,V,Hz	1, 220~240, 50	1, 220~240, 50	1, 220~240, 50	1, 220~240, 50
Running Current	Cooling/Heating	A	14.0/14.2	17.7/16.7	20.5/20.5	24.7/23.5
Air Circulation		CMM (CFM)	32(1130) x 2	55(1942) x 2	55(1942) x 2	55(1942) x 2
Additional Refrigerant Charge		g/m	50	40	40	40
Fuse Sizes Amps			20A	25A	32A	40A

Inverter

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

UU36W

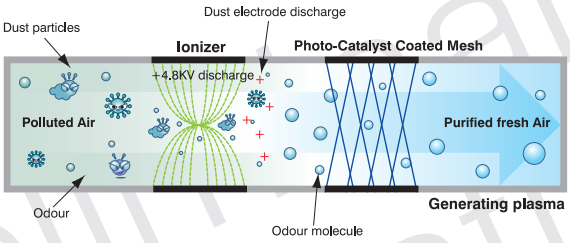
UU42W / UU48W / UU60W

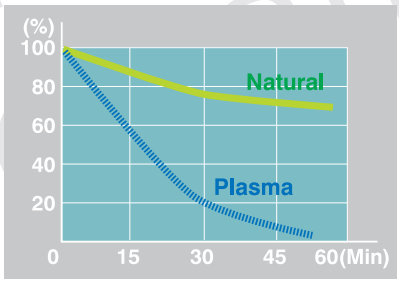
floor standing

This is a floor standing type that blends in perfectly with the surrounding decoration. Clean and fresh air conditioning is ensured with a high level of cooling or heating performance and air purifying operation.

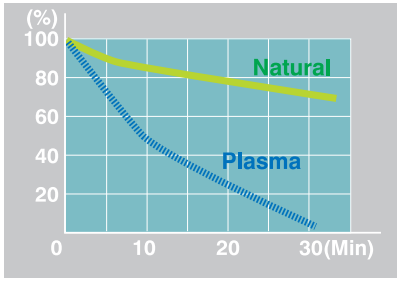
PLASMA Air Purifying System

The PLASMA Air Purifying System within the air conditioner removes microscopic contaminants and dust to eliminate offensive odors and prevent allergic reactions. It can also be used as an air-purifying unit even though the air-cooling function is off.

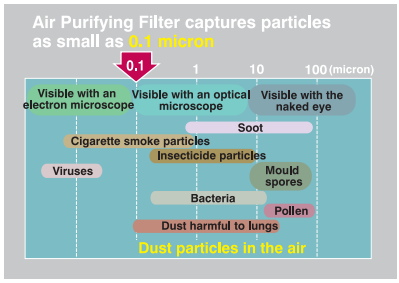




Dust Reduction
Respirable particles from 5 cigarettes in a sealed room removed by LG Plasma Air Purifying System



Deodorization
LG's Plasma unit effectively removes high concentration tobacco odors confirmed in Sensory tests of odor index carried out in Korea and Japan.



Anti-Allergy
In clinical tests, the plasma unit has earned a satisfaction ratio of 82% .
Evaluated by CSIRO Australia (DBCE Doc 98/204)
Tested by Korean Food Research Institute and Japanese Environmental Centre and Yonsei Univ. College of Medicine. (Allergy Research Lab.)

Anti-Bacteria Filter

It removes dust in the air as well as bacteria proliferation, making the indoor atmosphere healthy.

4-Way Auto Swing(P03AH)

Hot or cold air can be evenly distributed throughout the room as the auto swing function blows air in 4 directions.

Touch Screen Panel

LED MODULE

Child Lock Function

This function prevents children or others from tampering with the control buttons on the unit. It is then controlled by the remote controller.

- All the buttons on indoor display panel will blocked.
- The unit will be controlled only by remote controller.

Duct Operation (P08AH only)

Depending on the room size and shape, if the unit is installed in a Duct-type manner you are able to cool more air at the same time to save energy.

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

floor standing

P03AH / P05AH

Specification

Indoor Unit

			P03AH SR1	P05AH ST0
Capacity	Cooling	Btu/h	27,800	46,000
		W	8,140	13,480
	Heating	Btu/h	27,800	48,000
		W	8,140	14,060
Input	Cooling	W	2800	5300
	Heating	W	2800	5000
E.E.R	Cooling	W/W	2.910	2.540
C.O.P	Heating	W/W	2.910	2.810
Running Current	Cooling	A	13	9.5
	Heating	A	13	9
Power Supply		ø,V, Hz	1,220~240,50	3,380~415,60
Electric Heater		W	2,000	4,000
Operational Temperature Range(Outdoor)	Cooling	°C	-5 ~ +46	-5 ~ +46
	Heating	°C	-10 ~ +24	-15 ~ +24
Air Flow Rate	H/M/L	CMM(CFM)	18/16/13(636/565/459)	30/26/23(1,060/918/812)
Noise Level (Sound Press, 1m)	H/M/L	dB(A)±3	48/46/40	53/51/48
Dehumidification Rate		l/h	3.3	6.0
Dimensions (W*H*D)	Indoor	inch(mm)	22.4*71.7*12.5(570*1820*317)	23.2*72.8*17.3(590*1850*440)
Net Weight	Indoor	kg(lbs)	33(73)	60(132)
Refrigerant Charge	Charge	g(oz)	2200(77.6) "at 7.5m"	2900(102.3) "at 7.5m"
	Type		R410A	R410A
Noise Level (Sound Press, 1m)	Outdoor	dB(A)±3	58	58
Dimensions (Outdoor)	W*H*D	inch(mm)	34.25*25.79*12.6 (870*655*370)	30.3*21.3*10 (770*540*245)
Net Weight	Outdoor	kg(lbs)	63(139)	90(198)
Pipe Connection	Liquid	inch(mm)	3/8 (9.52)	3/8 (9.52)
	Gas	inch(mm)	5/8 (15.88)	3/4 (19.05)
Max. Piping Length/Elevation		m	30/20	40/25

P03AH P05AH

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

floor standing

P08AH

Specification

Indoor Unit

			P08AH SF1
Capacity	Cooling	Btu/h	68,000
		W	20,000
	Heating	Btu/h	72,000
		W	21,000
Input	Cooling	W	7,000
	Heating	W	6,800
E.E.R	Cooling	W/W	2.85
C.O.P	Heating	W/W	3.09
Running Current	Cooling	A	12.0
	Heating	A	10.0
Power Supply		ø,V, Hz	3,380~415,60
Electric Heater		W	10,000
Operational Temperature Range(Outdoor)	Cooling	℃	-5 ~ +46
	Heating	℃	-15 ~ +24
Air Flow Rate	H/M/L	CMM(CFM)	57/-/48(2013/-/1695)
Noise Level (Sound Press, 1m)	H/M/L	dB(A)±3	60/ - /56
Dehumidification Rate		l/h	7.2
Dimensions (W*H*D)	Indoor	inch(mm)	41.3*74.0*19.5(1050*1880*495)
Net Weight	Indoor	kg(lbs)	132(291)
Refrigerant Charge	Charge	g(oz)	3,500(123.5)
	Type		R410A
Noise Level (Sound Press, 1m)	Outdoor	dB(A)±3	65
Dimensions (Outdoor)	W*H*D	inch(mm)	35.4*54.3*13.0 (900*1,380*330)
Net Weight	Outdoor	kg(lbs)	115(253)
Pipe Connection	Liquid	inch(mm)	3/8 (9.52)
	Gas	inch(mm)	3/4 (19.05)
Max. Piping Length/Elevation		m	50/30

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

P08AH

multi split system

Inverter

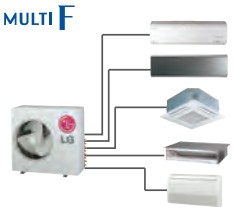
Inverter :

A power system which uses one powerful inverter compressor.

Why?

- Wide Range
- Max. 70% Energy Saving
- Convenient Central Controller
- Various Types
- Free Combination
- Long Piping

Multi Split Air Conditioners



For Commercial Sites

1-way Ceiling Cassette Type

4-way Ceiling Cassette Type

Ceiling Concealed Duct Type (High Static)

Ceiling Concealed Duct Type (Low Static)

Ceiling Concealed Duct Type (Built-in)

Ceiling & Floor Type

For Residential Sites

ART COOL Mirror

ART COOL Gallery

Wall Mounted Type

Inverter

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

multi split system

Wide Range LG Multi systems provide various indoor units and outdoor units up to 16.4kW

MULTI F (Inverter)

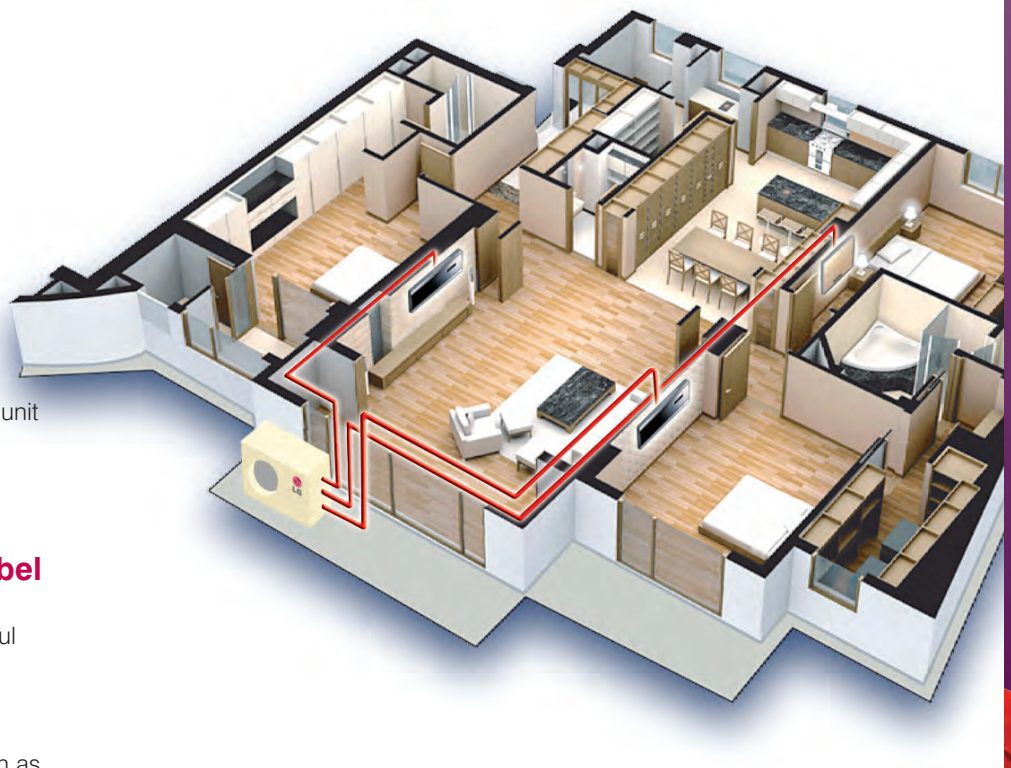
(Based on Heat Pump)

Phase	Max Indoor Units	Feature	Capacity Range (kBtu/kW)		
			18/5.3	24/7.0	30/8.8
1ø, 220~240V	2				
	3		●		
	4			●	
	5				●

next generation LG multi system

An LG Multi Split system is an advanced air conditioning system of superior quality that has the ability to operate at different temperatures and fan speeds in individual rooms. The multi split system can be made up of large indoor units for living areas and small indoor units for bedrooms, all operated from the one common outdoor unit. LG has wide range of indoor units available including the stylish ArtCool units, conventional split units as well as ceiling cassettes and ceiling concealed ducted units.

MULTI F



- **Wide range of Unit combinations**
  8 different types of indoor unit
  4 different capacity of outdoor unit
- **Energy Saving**
  With LG inverter technology
- **Top Class Energy Lebel**
  With the PFC & the sine wave control technology and powerful BLDC compressor
- **Advanced Controls**
  Various controls available, such as remote controller, Central controller and Control on the internet
- **High diversity of indoor unit combination**
  ArtCool, Wall Mounted, Ceiling & Floor, Ceiling Cassette, Ceiling Concealed Duct types.
- **Powerful operation**
- **Compact Size & ez Installation**

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

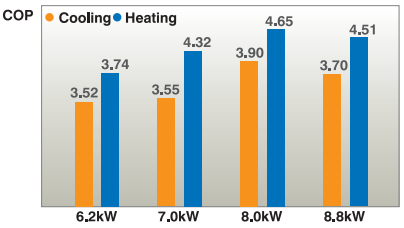
next generation LG multi system

Inverter Technology

With the advancement of inverter technology comes more silent, economical and powerful air conditioning systems.

Top Class COP

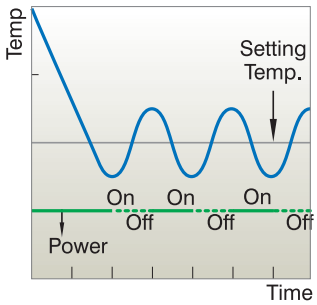
- DC Inverter Compressor
- BLDC Fan Motor



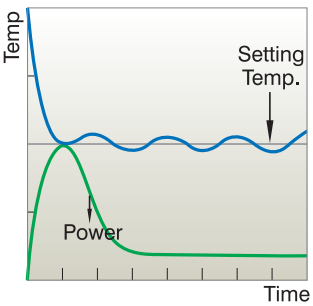
More Comfortable

When the air conditioner is initially activated to either heating or cooling, the compressor will operate at maximum speed to reach the desired temperature quickly. Once the desired temperature is achieved, unlike conventional air conditioners that turn the compressor on and off, LG inverter units adjust and constantly vary the compressor speed to maintain the desired temperature with minimal fluctuation to ensure that your comfort is not compromised.

Conventional

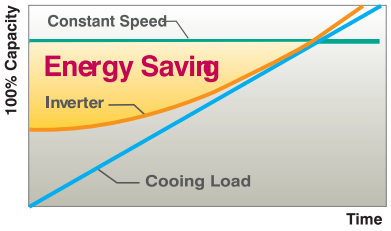


Inverter



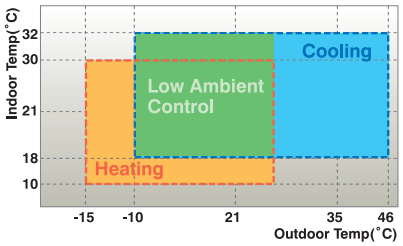
More Economical

An inverter's capacity will fluctuate in order to match the air conditioning requirements, so an inverter can be more energy efficient than a constant speed compressor.



More Powerful

With a wider operation range for heating and cooling, the inverter is able to operate in even the most extreme outdoor temperatures. An inverter compressor can also operate faster than conventional air conditioners thus allowing the air conditioner to reach the set temperature faster and brings you comfort sooner.



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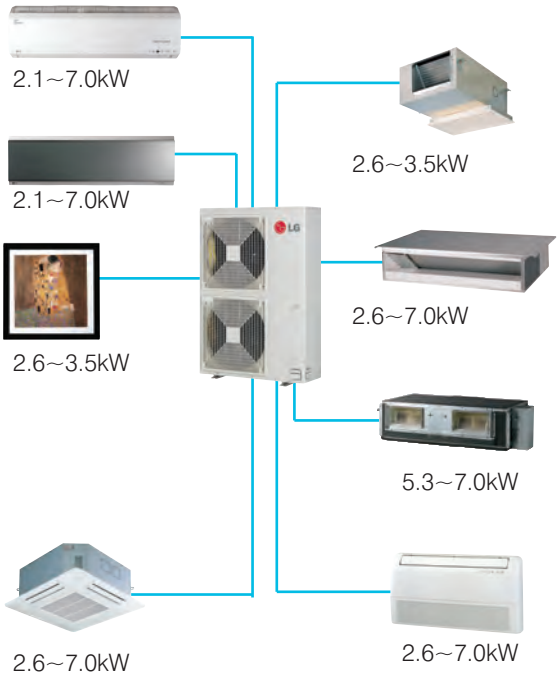
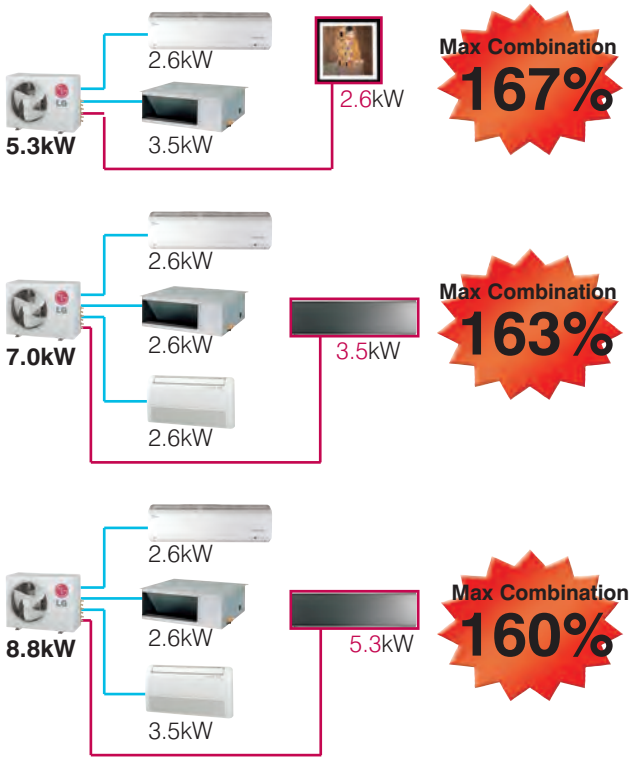
next generation LG multi system

The Wide Range of Outdoor Unit

The Variety of Indoor Unit

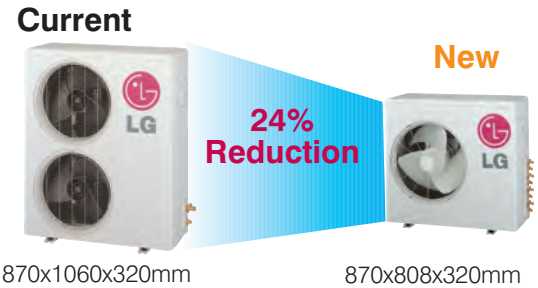


Indoor Capacity Combination



Slim & Compact Size (30k)

Easy & efficient installation of outdoor unit will provide the best solution for small offices and shops.



	2007	2008
Outdoor Capacity	30k	30k
Max indoor Capacity Connection	130%	160%
Max indoor Unit	up to 4 room	up to 5 room

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

multi split system indoor units

MULTI F

Various Indoor Units

Type	Wall Mounted Type			Ceiling Cassette Type	Ceiling Concealed Duct Type			Ceiling & Floor Type
	Wall Mounted	ART COOL Mirror	ART COOL Gallery	4-way	Low	Slim Duct	High	
								
2.1 kW	MS07AH N40 •	MC07AH* NE1 •						
2.6 kW	MS09AH N40 •	MC09AH* NE1 •	MA09AH1 NF1 •	MT10AH NE1 •	MB09AHL NT0 •	MB09AHL N11 •		MV09AH NE0 •
3.5 kW	MS12AH N40 •	MC12AH* NE1 •	MA12AH1 NF1 •	MT12AH NE1 •	MB12AHL NT0 •	MB12AHL N11 •		MV12AH NE0 •
5.3 kW	MS18AH N50 •	MC18AH* N81 •		MT18AH NE1 •	MB18AHL NT0 •	MB18AHL N21 •	MB18AH NH0 •	MV18AH NB0 •
7.0 kW	MS24AH N50 •			MT24AH NH0 •		MB24AHL N21 •	MB24AH NH0 •	MV24AH NB0 •

ART COOL Note : *indicates color of panel
*Metal(M) *Mirror(R) *Silver(V) *Red(E) *Gold(G) *White Silver(H) *Wood(D) *Blue(B) *Mirror(R) *Cherry(C)
*White Wood(W) *Blue(B) *Wood(D) *Metal(M) *Blue(B)
*White Wood(W) *Gallery(1)

*Blue(B)

*Silver(V)

*Mirror(R)

ART COOL Gallery

Klimt, Gustav(1862-1918)
The Kiss-Der Kuss

Pictures are easily changeable at anytime with your own pictures/photos.

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multi split system outdoor units

MULTI F

FM19AH / FM25AH

FM30AH

Specification

Model			FM19AH UE0	FM25AH UE3	FM30AH UE0
Nominal Capacity*	Cooling	kW	1.35~5.30~6.33	1.85~7.03~8.5	1.85~8.80~10.55
(Min~Rated~Max)		Btu/h	4,600~18,000~21,600	6,300~24,000~29,000	6,300~30,000~36,000
	Heating	kW	1.41~6.30~7.27	2.22~8.44~9..38	2.22~10.1~12.1
		Btu/h	4,800~21,600~24,800	7,560~28,800~32,000	7,560~34,500~41,400
Nominal Input *	Cooling	kW	0.38~1.55~2.35	0.72~1.99~2.75	0.72~2.39~3.96
(Min~Rated~Max)	Heating	kW	0.45~1.65~2.32	0.88~1.96~2.79	0.88~2.25~4.13
Energy label			A/A	A/A	A/A
Testing Combination			MS09AH N40 * 2	MSO7AH N40 * 2EA	MSO7AH N40 * 3EA
			+ MS12AH N40	MSO9AH N40 * 2EA	MSO9AH N40 * 2EA
Running Current	Cooling	A	2.3~7.3~10.5	2.3~8.0~13.0	2.9~10.7~17.5
	Heating	A	2.6~7.8~10.6	3.0~9.0~13.0	3.1~10.0~18.2
Power Supply		ø/V/ Hz	1/220~240/50	1/220~240/50	1/220~240/50
Dimensions	W*H*D	mm(inch)	870*655*320	870*808*320	870*808*320
			(34.3*25.8*12.6)	(34.3*31.8*12.6)	(34.3*31.8*12.6)
Net Weight		kg(lbs)	52(115)	61(134)	65(143.3)
Max. Number of Connectable Indoor Units			3	4	5
Refrigerant	Charge (at 7.5m)	g(oz)	1,650(59.97)	2,000(70.5)	2,550(89.95)
Air flow rate (H/M/L)		CMM (CFM)	53(1,766)	53(1872)	60(2119)
Noise Level (H/L)	Sound Pressure at 1m	dB(A)±3	51/45	52	52
Piping Connections	Liquid(ø)	mm(inch)	6.35(1.4)*3EA	6.35(1/4)*4EA	6.35(1/4)*5EA
	Gas(ø)	mm(inch)	9.52(3.8)*3EA	9.52(3/8)*4EA	9.52(3/8)*5EA
Max. Interunit Piping	Total of Each Room	m	50	70	75
Length	For One Room		25	25	25
Max. Elevation	Indoor Unit~Outdoor Unit	m	15	15	15
	Indoor Unit~Indoor Unit	m	7.5	7.5	7.5
Fuze Sizes Amps			10A	16A	20A

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"70 Page.
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%.

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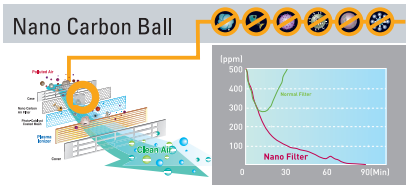
multi split system wall mounted type

NEO-Plasma Air Purifying System

The NEO PLASMA Air Purifying System developed uniquely by LG not only removes microscopic contaminants and dust, but also removes house mites, pollen, and pet fur to help prevent allergic diseases like asthma. And it also eliminates bad odor by catching odor particle. With a filter that can be used over and over again by simply using vacuum cleaner, you can enjoy clean fresh air.

Odor Free! Dust Free! Allergy Free!



Odor Removal Efficiency (NH3)

Effect of Carbon Nano Ball

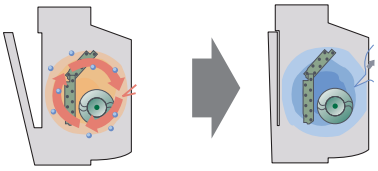
Deodorizing efficiency:8~10 times compared to conventional carbon filter.

What is Carbon Nano Ball?

Nano(1/1Bil) ball structure, (200~500nm) consisted of carbon, is adopted as deodorizing material first in the world.

Auto Cleaning

Remove odor & Save time to clean-up (ARTCOOL Mirror) Auto Clean helps to remove odor and save clean-up time. After using air-conditioner, "Auto Clean" makes the inner part of Air conditioner dry for 30 min. It removes moisture and mould so you can enjoy odor-free air and save time to clean up.



After Cooling Operation, Start "Auto-Clean" automatically

In 30 minutes "Auto-Clean" makes the inner part of Air conditioner dry

Jet Cool™

Jet cool function is for quick cooling. In this mode, strong and cool air is blown at high speeds for 30 minutes until the room temperature reaches to 18 oC.

Ez-Remote Controller

User Friendly & Modern Design and Easy use!!

User Friendly Design

- Comfortable to grab
- Sliding type

Easy Use

- Bigger size button
- Highlighted some buttons with different colors
- Easy to recognize functions with graphics

1. Neo-Plasma
2. Temperature Setting
3. On/Off Button
4. Set Air Flow (Auto Swing)
5. Jet Cool
6. Timer
7. Display Screen Brightness
8. Auto Clean

MC07AH* NE1 / MC09AH* NE1
MC12AH* NE1 / MC18AH* N81
MC24AH* N81
MA09AH1 NF1 / MA12AH1 NF1
MA09AH* NF1 / MA12AH* NF1

ARTCOOL Panels

Gallery

Klimt, Gustav(1862-1918)
The Kiss-Der Kuss

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multi split system

wall mounted type - indoor units

Capacity (kW)	2.1	2.6	3.5	5.3
Wall Mounted 	MS07AH N40 MS07AHG N40	MS09AH N40 MS09AHG N40	MS12AH N40 MS12AHG N40	MS18AH N50
ART COOL Mirror 	MC07AH* NE1	MC09AH* NE1	MC12AH* NE1	MC18AH* N81
ART COOL Gallery 		MA09AH1 NF1	MA12AH1 NF1	

ART COOL Note : *indicates color of panel
*Metal(M) *Mirror(R) *Silver(V) *Red(E) *Gold(G) *White Silver(H) *Wood(D) *Blue(B) *Mirror(R) *Cherry(C)
*White Wood(W) *Blue(B) *Wood(D) *Metal(M) *Blue(B) *White Wood(W) *Gallery(1)

Specification

Model

			MS07AH N40	MS09AH N40	MS12AH N40	MS18AH N50
Cooling capacity		kW	2.05	2.64	3.52	5.28
		Btu/h	7,000	9,000	12,000	18,000
Heating capacity		kW	2.34	2.93	3.87	5.8
		Btu/h	8000	10,000	13,200	19,800
Running current		A	0.10	0.15	0.15	0.28
Air flow rate (H/M/L)		cmm	5.6/5.0/4.6	7.0/6.5/6.0	9.5/9.0/8.5	12.0/10.5/9.0
		cfm	198/177/163	247/230/212	336/318/300	424/371/318
Dimensions (WxHxD)	Body	mm(inch)	840*270*153(33.1*10.6*6.0)	840*270*153(33.1*10.6*6.0)	840*270*153(33.1*10.6*6.0)	1090*300*180(42.9*11.8*7.1)
Weight	Body	kg(lbs)	7(15.4)	7(15.4)	7(15.4)	13(28.7)
Sound level (SH/H/M/L)		dB(A)±3	40 / 29 / 25 / 20	40 / 33 / 29 / 22	40 / 36 / 32 / 29	43 / 37 / 34 / 31
Piping connections	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
Dehumidification rate		l/h	0.9	1.1	1.2	2.3

Model

			MA09AH* NF1	MA12AH* NF1
Cooling capacity		kW	2.64	3.52
		Btu/h	9,000	12,000
Heating capacity		kW	2.93	3.87
		Btu/h	10,000	13,200
Running current		A	0.08	0.08
Air flow rate (H/M/L)		cmm	7.7/5.9/4.4	8.9/7.3/5.6
		cfm	272/208/155	314/258/198
Dimensions (WxHxD)	Body	mm(inch)	600*600*146(23.6*23.6*5.7)	600* 600*146(23.6*23.6*5.7)
Weight	Body	kg(lbs)	15(33.1)	15(33.1)
Sound level (SH/H/M/L)		dB(A)±3	38 / 32 / 27	44 / 38 / 32
Piping connections	Liquid	mm(inch)	6.35(1/4)	6.35(1/4)
	Gas	mm(inch)	9.52(3/8)	9.52(3/8)
Dehumidification rate		l/h	1.2	1.4

Model

			MC07AH* NE1	MC09AH* NE1	MC12AH* NE1	MC18AH* N81
Cooling capacity		kW	2.05	2.64	3.52	5.28
		Btu/h	7000	9000	12000	18000
Heating capacity		kW	2.34	2.93	3.87	5.8
		Btu/h	8000	10000	13200	19800
Running current		A	0.1	0.15	0.15	0.28
Air flow rate (H/M/L)		cmm	7/6/4	8/7/5	10/8/6	12.6/11.5/10
		cfm	247/212/141	282/247/177	353/283/212	445/406/353
Dimensions (WxHxD)	Body	mm(inch)	915x282x165 (36.0*11.1*6.5)	915x282x165 (36.0*11.1*6.5)	915x282x165 (36.0*11.1*6.5)	1107*299*200(43.6*11.8*7.9)
Weight	Body	kg(lbs)	8.1(17.9)	9.5(20.9)	9.5(20.9)	14.1(31.09)
Sound level (SH/H/M/L)		dB(A)±3	30/25/21	31/26/22	35/28/24	39/37/35
Piping connections	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
Dehumidification rate		l/h	1	1.2	1.5	2

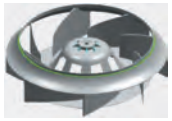
Note: Due to our policy of innovation some specifications may be changed without notification.

multi split system

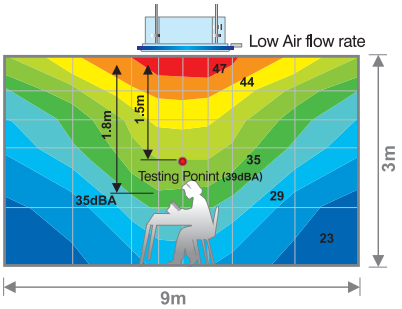
ceiling cassette type

Application of a High-Efficiency Compact Turbo Fan

The application of a compact turbo fan minimized the size. It also has improved the air flow and the interior temperature distribution to the optimal conditions, forming a quiet and pleasant environment.



Compact Turbo Fan



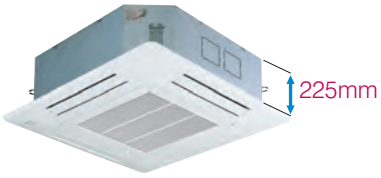
PLASMA Air Purifying System (Accessory)

LG's unique PLASMA Air Purifying System not only reduces microscopic contaminants and dust, but also filters house mites, pollen and even pet fur to ease allergy and asthma symptoms.

With a filter that can be used over and over again by simply washing it, you can enjoy clean fresh air without having to worry about changing the filter every couple of years or so resulting in cost savings.

Super Slim Design

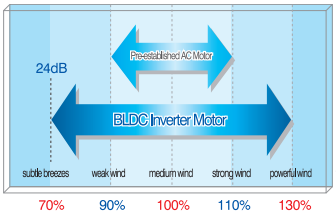
The interior air conditioner with the smallest and the most compact design in the world based on a three-dimensional CAD and CAE computer system has successfully reduced the space it occupies and enabled installation in various spaces.



BLDC Inverter Motor

The variable range of interior air has been increased up to 60~130% by using a super-light BLDC inverter. It also has increased the stability and efficiency of the product, and realized even more pleasant air conditioning with reduced noise level of 24dB when the product is running for subtle breezes.

Variable range of wind of the interior fan motor



Inverter Motor

Super Low Power Consumption Use in Standby Mode by Adopting SMPS

(Switching Mode Power Supply)

- **Power waste due to standby power**
  - Power is wasted if a plug is connected to an outlet even though the appliance is turned off.
- **Development of super power-saving SMPS (Switching Mode Power Supply)**
  - Zero standby power by reducing 90% of standby power.
  - No need to pull out every plug when system is not in use.

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

multi split system

ceiling cassette type - indoor units

Capacity (kW)	2.6	3.5	5.3	7.0
4-Way Cassette Type 	MT10AH NE1	MT12AH NE1	MT18AH NE1	MT24AH NH0

Specification

Model			Ceiling Cassette - 4way			
	Panel		MT10AH NE1 PT-HEC1	MT12AH NE1 PT-HEC1	MT18AH NE1 PT-HEC1	MT24AH NH0 PT-HDC1
Cooling Capacity		kW	2.64	3.52	5.28	7.03
		Btu/h	9,000	12,000	18,000	24,000
Heating Capacity		kW	2.93	3.87	5.80	7.74
		Btu/h	10,000	13,200	19,800	26,400
Running current		A	0.35	0.35	0.75	0.8
Air flow rate (H/M/L)		cmm	8.5/7.5/6.5	9.5/8/6.5	12/10/9	17/15/13
		cfm	300/265/230	336/283/230	424/353/318	600/530/459
Dimensions (W*H*D)	Body	mm(inch)	570*265*570(22.4*10.5*22.4)	570*265*570(22.4*10.5*22.4)	570*265*570(22.4*10.5*22.4)	840*950*30(33.1*33.1*8.8)
	Decorative Panel	mm	670*30*670(26.4*1.2*26.4)	670*30*670(26.4*1.2*26.4)	670*30*670(26.4*1.2*26.4)	950*950*30(37.4*37.4*1.2)
Weight	Body	kg(lbs)	19 (41.9)	19 (41.9)	19 (41.9)	26 (126.5)
	Decorative Pane	kg(lbs)	3 (6.6)	3 (6.6)	3 (6.6)	5 (11)
Sound level (H/M/L)	H/M/L	dB(A)±3	33/29/24	36/34/27	41/35/30	32/29/26
Piping Connections	Liquid	inch(mm)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	inch(mm)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)
Dehumidification rate		1/h	1.1	1.2	2.4	3.0

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multi split system

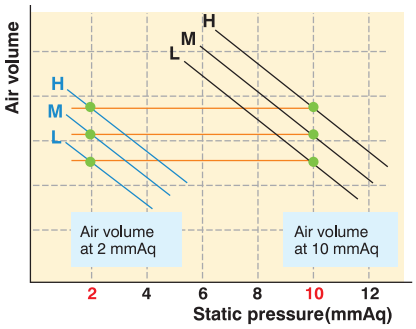
ceiling concealed duct type

EZ Tuning

E.S.P: External Static Pressure

Always air volume and sound kept as design regardless of E.S.P change using this technology , you can
- Optimize duct work Installation
- Keep capacity & sound level as desired
- Simplify model numbers

The phase control motor technology gives benefit of saving money to Installer.
Desired air volume is obtained by controlling the phase of motor while installing the product and this makes your duct work system flexible. E.S.P is controlled from 0 to 10mmAq.



Slim duct

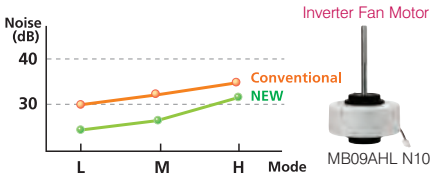
Hidden in the ceiling, this product is suitable for applications that require floor level or individual level air conditioning for buildings where there are many rooms or halls, such as restaurants, concert halls and hotels. Installation is not hindered by the location of lighting fixtures or room structure, and interior renovation is made easy with the installation of various ventilation diffusers.

Slim Duct

MB09AHL N10

*Conventional Model : 650x230x535

Noise Level



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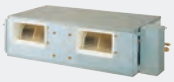
multi split system

ceiling concealed duct type - indoor units

Capacity (kW)	2.6	3.5	5.3	7.0
Slim Duct 	MB09AHL N11	MB12AHL N11	MB18AHL N21	MB24AHL N21
High Static 			MB18AH NH0	MB24AH NH0

Specification

Model			Ceiling Concealed Duct - Slim Duct		
			MB09AHL N11	MB12AHL N11	MB18AHL N21
Cooling Capacity		kW	2.64	3.52	5.27
		Btu/h	9,000	12,000	18,000
Heating Capacity		kW	2.93	3.87	5.8
		Btu/h	10,000	13,000	19,800
Running current		Cooling	0.7	0.7	0.7
Air flow rate (H/M/L)		cmm	8/7/6	10/9/8	13.5/12/10
		cfm	282/246/211	352/317/282	477/424/353
External static pressure		mmAq	2	2	2
Demensions (W*H*D)	Body	mm(inch)	820*190*575(32.3*7.48*22.6)	820*190*575(32.3*7.48*22.6)	1,100*190*575(43.3*7.48*22.6)
Weight	Body	kg(lbs)	20.5 (45.2)	20.5 (45.2)	20.5 (45.2)
Sound level (H/M/L)		dB(A)±3	31/26/25	33/31/26	33/31/26
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	mm(inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
Dehumidification rate		1/h	1	1.2	2

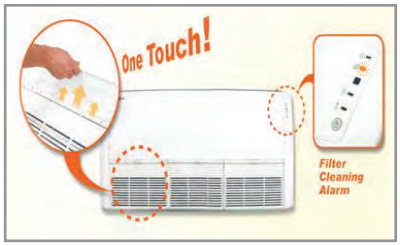
Model			Ceiling Concealed Duct - High Static	
			MB18AH NH0	MB24AH NH0
Cooling Capacity		kW	5.28	7.03
		Btu/h	18,000	24,000
Heating Capacity		kW	5.80	7.74
		Btu/h	19,800	26,400
Running current		Cooling	0.75	0.75
Air flow rate (H/M/L)		cmm	16.5/14.5/13	18/16.5/14
		cfm	583/512/459	636/583/494
External static pressure		mmAq	8	8
Demensions (W*H*D)	Body	mm(inch)	880*260*450(34.6*10.2*17.7)	880*260*450(34.6*10.2*17.7)
Weight	Body	kg(lbs)	35 (77.2)	35 (77.2)
Sound level (H/M/L)		dB(A)±3	36/34/32	38/36/34
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)
	Gas	mm(inch)	12.7 (1/2)	12.7 (1/2)
Dehumidification rate		1/h	2.0	2.5

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

multi split system

ceiling and floor type - indoor units

Upgraded Function

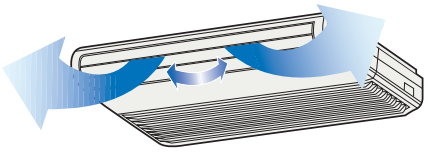


- One Touch Filter & Filter Cleaning Alarm Function
- Power Wind Mode

Airflow Direction Control

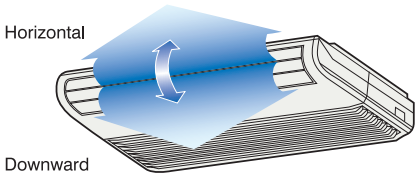
Horizontal Airflow Direction Control.

Adjust the horizontal airflow direction by manually moving the horizontal airflow direction louver by hand.



Vertical Airflow Direction Control

The airflow direction can be adjusted as desired by using the remote controller.



Capacity (kW)	2.6	3.5	5.3
Ceiling & Floor Type 	MV09AH NE0	MV12AH NE0	MV18AH NB0

Specification

Model			Ceiling & Floor MV09AH NE0	Ceiling & Floor MV12AH NE0	Ceiling & Floor MV18AH NB0
Cooling Capacity		kW	2.64	3.52	5.27
		Btu/h	9,000	12,000	18,000
Heating Capacity		kW	2.93	3.87	5.80
		Btu/h	10,000	13,200	19,800
Running current		A	0.56	0.56	0.67
Air flow rate (H/M/L)		cmm	7.8/6.4/5.0	10.0/8.3/6.5	13.5/12/11
		cfm	276/226/177	353/293/230	477/424/388
Demensions (W*H*D)	Body	mm(inch)	900*200*490(35.4*7.9*19.3)	900*200*490(35.4*7.9*19.3)	1200*205*615(47.2*8.1*24.2)
Weight	Body	kg(lbs)	12 (26.5)	12 (26.5)	30 (66.1)
Sound level (H/M/L)		dB(A)±3	36/32/28	40/36/31	43/40/37
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	mm(inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
Dehumidification rate		1/h	1.0	1.2	2.0

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

combination table

MULTI F

FM19AH UE0 cooling

Operation	Combination				Cooling											
	Each Capacity							Total Capacity						Input(W)		
								Min		Rating		Max				
	UNIT-A	UNIT-B	UNIT-C	Total	UNIT-A(Btu/h)	UNIT-B(Btu/h)	UNIT-C(Btu/h)	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rating	Max
1 Unit	7			7	7000	-	-	4600	1.3	7000	2.1	8400	2.5	480	690	866
	9			9	9000	-	-	5400	1.6	9000	2.6	10800	3.2	541	874	1082
	12			12	12000	-	-	7200	2.1	12000	3.5	14400	4.2	690	1149	1465
	18			18	18000	-	-	10800	3.2	18000	5.3	21600	6.3	924	1685	2370
2 Unit	7	7		14	7000	7000	-	8400	2.5	14000	4.1	16800	4.9	811	1333	1668
	7	9		16	7000	9000	-	9600	2.8	16000	4.7	19200	5.6	906	1516	1984
	9	9		18	9000	9000	-	10800	3.2	18000	5.3	21600	6.3	924	1685	2370
	7	12		19	6632	11368	-	10800	3.2	18000	5.3	21600	6.3	924	1685	2370
	9	12		21	7714	10286	-	10800	3.2	18000	5.3	21600	6.3	924	1685	2370
	12	12		24	9000	9000	-	10800	3.2	18000	5.3	21600	6.3	924	1685	2370
	7	18		25	5040	12960	-	10800	3.2	18000	5.3	21600	6.3	924	1685	2370
	9	18		27	6000	12000	-	10800	3.2	18000	5.3	21600	6.3	924	1685	2370
	12	18		30	7200	10800	-	10800	3.2	18000	5.3	21600	6.3	924	1685	2370
3Unit	7	7	7	21	6000	6000	6000	10800	3.2	18000	5.3	21600	6.3	947	1580	2350
	7	7	9	23	5478	5478	7043	10800	3.2	18000	5.3	21600	6.3	947	1580	2350
	7	9	9	25	5040	6480	6480	10800	3.2	18000	5.3	21600	6.3	947	1580	2350
	7	7	12	26	4846	4846	8308	10800	3.2	18000	5.3	21600	6.3	947	1580	2350
	9	9	9	27	6000	6000	6000	10800	3.2	18000	5.3	21600	6.3	947	1580	2350
	7	9	12	28	4500	5786	7714	10800	3.2	18000	5.3	21600	6.3	947	1580	2350
	9	9	12	30	5400	5400	7200	10800	3.2	18000	5.3	21600	6.3	947	1580	2350

FM19AH UE0 heating

Operation	Combination				Heating											
	Each Capacity							Total Capacity						Input(W)		
								Min		Rating		Max				
	UNIT-A	UNIT-B	UNIT-C	Total	UNIT-A(Btu/h)	UNIT-B(Btu/h)	UNIT-C(Btu/h)	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rating	Max
1 Unit	7			7	8400	-	-	4800	1.4	8400	2.5	9660	2.8	630	1030	1271
	9			9	10800	-	-	6480	1.9	10800	3.2	12420	3.6	771	1265	1542
	12			12	13200	-	-	7920	2.3	13200	3.9	15180	4.4	866	1437	1731
	18			18	21600	-	-	12960	3.8	21600	6.3	24840	7.3	1150	1884	2370
2 Unit	7	7		14	8400	8400	-	10080	3.0	16800	4.9	19320	5.7	933	1551	1866
	7	9		16	8400	10800	-	11520	3.4	19200	5.6	22080	6.5	1001	1666	2029
	9	9		18	10800	10800	-	12960	3.8	21600	6.3	24840	7.3	1150	1884	2370
	7	12		19	7957	13643	-	12960	3.8	21600	6.3	24840	7.3	1150	1884	2370
	9	12		21	9257	12343	-	12960	3.8	21600	6.3	24840	7.3	1150	1884	2370
	12	12		24	10800	10800	-	12960	3.8	21600	6.3	24840	7.3	1150	1884	2370
	7	18		25	6048	15552	-	12960	3.8	21600	6.3	24840	7.3	1150	1884	2370
	9	18		27	7200	14400	-	12960	3.8	21600	6.3	24840	7.3	1150	1884	2370
	12	18		30	8640	12960	-	12960	3.8	21600	6.3	24840	7.3	1150	1884	2370
3Unit	7	7	7	21	7200	7200	7200	12960	3.8	21600	6.3	24840	7.3	1095	1800	2320
	7	7	9	23	6574	6574	8452	12960	3.8	21600	6.3	24840	7.3	1095	1800	2320
	7	9	9	25	6048	7776	7776	12960	3.8	21600	6.3	24840	7.3	1095	1800	2320
	7	7	12	26	5815	5815	9969	12960	3.8	21600	6.3	24840	7.3	1095	1800	2320
	9	9	9	27	7200	7200	7200	12960	3.8	21600	6.3	24840	7.3	1095	1800	2320
	7	9	12	28	5400	6943	9257	12960	3.8	21600	6.3	24840	7.3	1095	1800	2320
	9	9	12	30	6480	6480	8640	12960	3.8	21600	6.3	24840	7.3	1095	1800	2320

Note :
1. Cooling Capacity is based on : indoor temp.27°CDB, 19°CWB ; outdoor temp. 35°CDB
2. Heating Capacity is based on : indoor temp.20°CDB ; outdoor temp. 7°CDB, 6°CWB
3. The total ability of connected a indoor unit is up to 30kBtu/h
4. At least two indoor units should be connected.

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

combination table

MULTI F

FM25AH UE3 cooling

Operation	Combination of Indoor Unit (kBtu/h)					Cooling												
						Each Capacity				Total Capacity						Input (W)		
										Min		Rating		Max				
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A(Btu/h)	UNIT-B(Btu/h)	UNIT-C(Btu/h)	UNIT-D(Btu/h)	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max
1 Unit	7				7	7,000	-	-	-	6,300	1.9	7,000	2.1	7,700	2.3	720	740	760
	9				9	9,000	-	-	-	6,300	1.9	9,000	2.6	9,900	2.9	720	780	850
	12				12	12,000	-	-	-	7,200	2.1	12,000	3.5	13,200	3.9	672	1,120	1,340
	18				18	18,000	-	-	-	10,800	3.2	18,000	5.3	19,800	5.8	1,002	1,670	1,750
	24				24	24,000	-	-	-	14,400	4.2	24,000	7.0	25,500	7.5	1,230	2,050	2,750
2 Unit	7	7			14	7,000	7,000	-	-	8,400	2.5	14,000	4.1	15,400	4.5	756	1,260	1,390
	7	9			16	7,000	9,000	-	-	9,600	2.8	16,000	4.7	17,600	5.2	876	1,460	1,550
	9	9			18	9,000	9,000	-	-	10,800	3.2	18,000	5.3	19,800	5.8	1,002	1,670	1,750
	7	12			19	7,000	12,000	-	-	11,400	3.4	19,000	5.6	20,900	6.1	1,008	1,680	1,820
	9	12			21	9,000	12,000	-	-	12,600	3.7	21,000	6.2	23,100	6.8	1,044	1,740	1,940
	12	12			24	11,500	11,500	-	-	13,800	4.1	23,000	7.0	25,500	7.5	1,194	1,990	2,380
	7	18			25	6,720	17,280	-	-	14,400	4.2	24,000	7.0	26,500	7.8	1,284	2,140	2,570
	9	18			27	8,000	16,000	-	-	14,400	4.2	24,000	7.0	27,500	8.1	1,284	2,140	2,680
	12	18			30	9,600	14,400	-	-	14,400	4.2	24,000	7.0	28,800	8.5	1,284	2,140	2,730
	7	24			31	5,419	18,581	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,284	2,140	2,730
	9	24			33	6,545	17,455	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,284	2,140	2,730
	18	18			36	12,000	12,000	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,284	2,140	2,730
	12	24			36	8,000	16,000	-	-	14,400	4.2	24,000	7.0	29,000	8.5	1,284	2,140	2,730
3Unit	7	7	7		21	7,000	7,000	7,000	-	12,600	3.7	21,000	6.2	23,100	6.8	1,044	1,740	1,940
	7	7	9		23	7,000	7,000	9,000	-	13,800	4.1	23,000	6.7	25,300	7.4	1,152	1,920	2,130
	7	9	9		25	6,720	8,640	8,640	-	14,400	4.2	24,000	7.0	26,500	7.8	1,200	2,000	2,570
	7	7	12		26	6,462	6,462	11,077	-	14,400	4.2	24,000	7.0	27,000	7.9	1,200	2,000	2,570
	9	9	9		27	8,000	8,000	8,000	-	14,400	4.2	24,000	7.0	27,500	8.1	1,200	2,000	2,680
	7	9	12		28	6,000	7,714	10,286	-	14,400	4.2	24,000	7.0	28,500	8.4	1,200	2,000	2,680
	9	9	12		30	7,200	7,200	9,600	-	14,400	4.2	24,000	7.0	29,000	8.5	1,200	2,000	2,680
	7	12	12		31	5,419	9,290	9,290	-	14,400	4.2	24,000	7.0	29,000	8.5	1,200	2,000	2,680
	7	7	18		32	5,250	5,250	13,500	-	14,400	4.2	24,000	7.0	29,000	8.5	1,230	2,050	2,750
	9	12	12		33	6,545	8,727	8,727	-	14,400	4.2	24,000	7.0	29,000	8.5	1,230	2,050	2,750
	7	9	18		34	4,941	6,353	12,706	-	14,400	4.2	24,000	7.0	29,000	8.5	1,230	2,050	2,750
	12	12	12		36	8,000	8,000	8,000	-	14,400	4.2	24,000	7.0	29,000	8.5	1,230	2,050	2,750
	9	9	18		36	6,000	6,000	12,000	-	14,400	4.2	24,000	7.0	29,000	8.5	1,230	2,050	2,750
	7	12	18		37	4,541	7,784	11,676	-	14,400	4.2	24,000	7.0	29,000	8.5	1,230	2,050	2,750
	7	7	24		38	4,421	4,421	15,158	-	14,400	4.2	24,000	7.0	29,000	8.5	1,230	2,050	2,750
	9	12	18		39	5,538	7,385	11,077	-	14,400	4.2	24,000	7.0	29,000	8.5	1,230	2,050	2,750
4Unit	7	7	7	7	28	6,000	6,000	6,000	6,000	14,400	4.2	24,000	7.0	28,500	8.4	1,194	1,990	2,730
	7	7	7	9	30	5,600	5,600	5,600	7,200	14,400	4.2	24,000	7.0	29,000	8.5	1,194	1,990	2,730
	7	7	9	9	32	5,250	5,250	6,750	6,750	14,400	4.2	24,000	7.0	29,000	8.5	1,194	1,990	2,730
	7	7	7	12	33	5,091	5,091	5,091	8,727	14,400	4.2	24,000	7.0	29,000	8.5	1,194	1,990	2,730
	7	9	9	9	34	4,941	6,353	6,353	6,353	14,400	4.2	24,000	7.0	29,000	8.5	1,194	1,990	2,730
	7	7	9	12	35	4,800	4,800	6,171	8,229	14,400	4.2	24,000	7.0	29,000	8.5	1,194	1,990	2,730
	9	9	9	9	36	6,000	6,000	6,000	6,000	14,400	4.2	24,000	7.0	29,000	8.5	1,194	1,990	2,730
	7	9	9	12	37	4,541	5,838	5,838	7,784	14,400	4.2	24,000	7.0	29,000	8.5	1,194	1,990	2,730
	7	7	12	12	38	4,421	4,421	7,579	7,579	14,400	4.2	24,000	7.0	29,000	8.5	1,194	1,990	2,730
	9	9	9	12	39	5,538	5,538	5,538	7,385	14,400	4.2	24,000	7.0	29,000	8.5	1,194	1,990	2,730
	7	7	7	18	39	4,308	4,308	4,308	11,077	14,400	4.2	24,000	7.0	29,000	8.5	1,194	1,990	2,730

Note :
1. Cooling Capacity is based on : indoor temp.27°CDB, 19°CWB ; outdoor temp. 35°CDB
2. Heating Capacity is based on : indoor temp.20°CDB ; outdoor temp. 7°CDB, 6°CWB
3. The total ability of connected a indoor unit is up to 39kBtu/h
4. At least two indoor units should be connected.

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

combination table

MULTI F

FM25AH UE3 heating

Operation	Combination of Indoor Unit (kBtu/h)					Heating												
						Each Capacity				Total Capacity						Input (W)		
										Min		Rating		Max				
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A(Btu/h)	UNIT-B(Btu/h)	UNIT-C(Btu/h)	UNIT-D(Btu/h)	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max
1 Unit	7				7	8,000	-	-	-	7,560	2.2	8,000	2.4	8,800	3.0	880	1,050	1,260
	9				9	10,000	-	-	-	7,560	2.2	10,000	2.9	10,900	3.2	880	1,050	1,260
	12				12	13,200	-	-	-	7,920	2.3	13,200	3.9	14,500	4.3	880	1,200	1,320
	18				18	19,800	-	-	-	11,880	3.5	19,800	5.8	21,800	6.4	1,200	2,000	2,370
	24				24	25,400	-	-	-	15,240	4.5	25,400	7.5	26,600	7.8	1,368	2,280	2,500
2 Unit	7	7			14	8,400	8,400	-	-	10,080	3.0	16,800	4.9	18,500	5.4	918	1,530	1,470
	7	9			16	8,400	10,800	-	-	11,520	3.4	19,200	5.6	21,100	6.2	1,038	1,730	1,690
	9	9			18	10,800	10,800	-	-	12,960	3.8	21,600	6.4	23,700	7.0	1,200	2,000	2,200
	7	12			19	8,400	14,400	-	-	13,680	4.0	22,800	6.7	25,000	7.4	1,212	2,020	2,200
	9	12			21	10,800	14,400	-	-	15,120	4.4	25,200	7.4	27,700	8.1	1,260	2,100	2,260
	12	12			24	13,800	13,800	-	-	16,560	4.9	27,600	8.1	30,000	8.8	1,368	2,280	2,500
	7	18			25	7,784	20,016	-	-	16,680	4.9	27,800	8.2	30,000	8.8	1,428	2,380	2,740
	9	18			27	9,600	19,200	-	-	17,280	5.1	28,800	8.5	31,500	9.3	1,428	2,380	2,740
	12	18			30	11,520	17,280	-	-	17,280	5.1	28,800	8.5	32,000	9.4	1,428	2,380	2,740
	7	24			31	6,503	22,297	-	-	17,280	5.1	28,800	8.5	32,000	9.4	1,428	2,380	2,740
	9	24			33	7,855	20,945	-	-	17,280	5.1	28,800	8.5	32,000	9.4	1,428	2,380	2,740
	18	18			36	14,400	14,400	-	-	17,280	5.1	28,800	8.5	32,000	9.4	1,428	2,380	2,740
	12	24			36	9,600	19,200	-	-	17,280	5.1	28,800	8.5	32,000	9.4	1,428	2,380	2,740
3Unit	7	7	7		21	8,400	8,400	8,400	-	15,120	4.4	25,200	7.4	27,700	8.1	1,260	2,100	2,260
	7	7	9		23	8,400	8,400	10,800	-	16,560	4.9	27,600	8.1	30,000	8.8	1,278	2,130	2,430
	7	9	9		25	7,784	10,008	10,008	-	16,680	4.9	27,800	8.2	30,000	8.8	1,308	2,180	2,740
	7	7	12		26	7,754	7,754	13,292	-	17,280	5.1	28,800	8.5	31,500	9.3	1,308	2,180	2,740
	9	9	9		27	9,600	9,600	9,600	-	17,280	5.1	28,800	8.5	31,500	9.3	1,308	2,180	2,740
	7	9	12		28	7,200	9,257	12,343	-	17,280	5.1	28,800	8.5	31,500	9.3	1,308	2,180	2,740
	9	9	12		30	8,640	8,640	11,520	-	17,280	5.1	28,800	8.5	32,000	9.4	1,308	2,180	2,740
	7	12	12		31	6,503	11,148	11,148	-	17,280	5.1	28,800	8.5	32,000	9.4	1,308	2,180	2,740
	7	7	18		32	6,300	6,300	16,200	-	17,280	5.1	28,800	8.5	32,000	9.4	1,308	2,180	2,790
	9	12	12		33	7,855	10,473	10,473	-	17,280	5.1	28,800	8.5	32,000	9.4	1,308	2,180	2,790
	7	9	18		34	5,929	7,624	15,247	-	17,280	5.1	28,800	8.5	32,000	9.4	1,308	2,180	2,790
	12	12	12		36	9,600	9,600	9,600	-	17,280	5.1	28,800	8.5	32,000	9.4	1,308	2,180	2,790
	9	9	18		36	7,200	7,200	14,400	-	17,280	5.1	28,800	8.5	32,000	9.4	1,308	2,180	2,790
	7	12	18		37	5,449	9,341	14,011	-	17,280	5.1	28,800	8.5	32,000	9.4	1,308	2,180	2,790
	7	7	24		38	5,305	5,305	18,189	-	17,280	5.1	28,800	8.5	32,000	9.4	1,308	2,180	2,790
	9	12	18		39	6,646	8,862	13,292	-	17,280	5.1	28,800	8.5	32,000	9.4	1,308	2,180	2,790
4Unit	7	7	7	7	28	7,200	7,200	7,200	7200	17,280	5.1	28,800	8.5	31,500	9.3	1,176	1,960	2,740
	7	7	7	9	30	6,720	6,720	6,720	8640	17,280	5.1	28,800	8.5	32,000	9.4	1,176	1,960	2,740
	7	7	9	9	32	6,300	6,300	8,100	8100	17,280	5.1	28,800	8.5	32,000	9.4	1,176	1,960	2,740
	7	7	7	12	33	6,109	6,109	6,109	10473	17,280	5.1	28,800	8.5	32,000	9.4	1,176	1,960	2,740
	7	9	9	9	34	5,929	7,624	7,624	7624	17,280	5.1	28,800	8.5	32,000	9.4	1,176	1,960	2,740
	7	7	9	12	35	5,760	5,760	7,406	9874	17,280	5.1	28,800	8.5	32,000	9.4	1,176	1,960	2,740
	9	9	9	9	36	7,200	7,200	7,200	7200	17,280	5.1	28,800	8.5	32,000	9.4	1,176	1,960	2,740
	7	9	9	12	37	5,449	7,005	7,005	9341	17,280	5.1	28,800	8.5	32,000	9.4	1,176	1,960	2,740
	7	7	12	12	38	5,305	5,305	9,095	9095	17,280	5.1	28,800	8.5	32,000	9.4	1,176	1,960	2,740
	9	9	9	12	39	6,646	6,646	6,646	8862	17,280	5.1	28,800	8.5	32,000	9.4	1,176	1,960	2,740
	7	7	7	18	39	5,169	5,169	5,169	13292	17,280	5.1	28,800	8.5	32,000	9.4	1,176	1,960	2,740

Note :
1. Cooling Capacity is based on : indoor temp.27°CDB, 19°CWB ; outdoor temp. 35°CDB
2. Heating Capacity is based on : indoor temp.20°CDB ; outdoor temp. 7°CDB, 6°CWB
3. The total ability of connected a indoor unit is up to 39kBtu/h
4. At least two indoor units should be connected.

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

combination table

MULTI F

FM30AH UE3 cooling

Operation	Combination of Indoor Unit (kBtu/h)						Cooling												
							Each Capacity					Total Capacity						Input (W)		
												Min		Rating		Max				
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Total	UNIT-A(Btu/h)	UNIT-B(Btu/h)	UNIT-C(Btu/h)	UNIT-D(Btu/h)	UNIT-E(Btu/h)	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max
1 Unit	7					7	7,000	-	-	-	-	6,300	1.9	7,000	2.1	7,700	2.3	720	740	1,077
	9					9	9,000	-	-	-	-	6,300	1.9	9,000	2.6	9,900	2.9	720	834	1,165
	12					12	12,000	-	-	-	-	7,200	2.1	12,000	3.5	13,200	3.9	774	1,106	1,510
	18					18	18,000	-	-	-	-	10,800	3.2	18,000	5.3	19,800	5.8	1,209	1,727	2,528
	24					24	24,000	-	-	-	-	14,400	4.2	24,000	7.1	25,500	7.5	1,650	2,357	3,347
2 Unit	7	7				14	7,000	7,000	-	-	-	8,400	2.5	14,000	4.1	16,100	4.7	834	1,232	1,678
	7	9				16	7,000	9,000	-	-	-	9,600	2.8	16,000	4.7	18,400	5.4	1,094	1,368	2,106
	9	9				18	9,000	9,000	-	-	-	10,800	3.2	18,000	5.3	20,700	6.1	1,265	1,581	2,435
	7	12				19	7,000	12,000	-	-	-	11,400	3.4	19,000	5.6	20,900	6.1	1,311	1,639	2,525
	9	12				21	9,000	12,000	-	-	-	12,600	3.7	21,000	6.2	23,100	6.8	1,490	1,862	2,868
	12	12				24	12,000	12,000	-	-	-	14,400	4.2	24,000	7.1	26,400	7.8	1,653	2,066	3,182
	7	18				25	7,000	18,000	-	-	-	15,000	4.4	25,000	7.4	28,750	8.5	1,746	2,183	3,361
	9	18				27	9,000	18,000	-	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,893	2,367	3,645
	12	18				30	12,000	18,000	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,979	2,474	3,809
	7	24				31	6,774	23,226	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,979	2,474	3,834
	9	24				33	8,182	21,818	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,979	2,474	3,834
	18	18				36	15,000	15,000	-	-	-	18,000	5.3	30,000	8.8	34,500	10.1	1,979	2,474	3,834
	12	24				36	10,000	20,000	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,979	2,474	3,834
	18	24				42	12,857	17,143	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,979	2,474	3,834
	24	24				48	15,000	15,000	-	-	-	18,000	5.3	30,000	8.8	33,000	9.7	1,979	2,474	3,834
3Unit	7	7	7			21	7,000	7,000	7,000	-	-	12,600	3.7	21,000	6.2	24,150	7.1	1,490	1,862	2,872
	7	7	9			23	7,000	7,000	9,000	-	-	13,800	4.1	23,000	6.8	26,450	7.8	1,575	1,969	3,288
	7	9	9			25	7,000	9,000	9,000	-	-	15,000	4.4	25,000	7.4	28,750	8.5	1,746	2,183	3,557
	7	7	12			26	7,000	7,000	12,000	-	-	15,600	4.6	26,000	7.6	29,900	8.8	1,800	2,250	3,601
	9	9	9			27	9,000	9,000	9,000	-	-	16,200	4.8	27,000	7.9	31,050	9.1	1,893	2,367	3,787
	7	9	12			28	7,000	9,000	12,000	-	-	16,800	4.9	28,000	8.2	32,200	9.5	1,909	2,386	3,818
	9	9	12			30	9,000	9,000	12,000	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
	7	12	12			31	6,774	11,613	11,613	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
	7	7	18			32	6,563	6,563	16,875	-	-	18,000	5.3	30,000	8.8	34,500	10.1	1,948	2,435	3,896
	9	12	12			33	8,182	10,909	10,909	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
	7	9	18			34	6,176	7,941	15,882	-	-	18,000	5.3	30,000	8.8	34,500	10.1	1,948	2,435	3,896
	12	12	12			36	10,000	10,000	10,000	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
	9	9	18			36	7,500	7,500	15,000	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
	7	12	18			37	5,676	9,730	14,595	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
	7	7	24			38	5,526	5,526	18,947	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
	9	12	18			39	6,923	9,231	13,846	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
	7	9	24			40	5,250	6,750	18,000	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
	12	12	18			42	8,571	8,571	12,857	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
	9	9	24			42	6,429	6,429	17,143	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
	7	18	18			43	4,884	12,558	12,558	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
	7	12	24			43	4,884	8,372	16,744	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
	9	18	18			45	6,000	12,000	12,000	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
	9	12	24			45	6,000	8,000	16,000	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
	12	18	18			48	7,500	11,250	11,250	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
	12	12	24			48	7,500	7,500	15,000	-	-	18,000	5.3	30,000	8.8	33,600	9.9	1,948	2,435	3,896
4Unit	7	7	7	7		28	7,000	7,000	7,000	7,000	-	16,800	4.9	28,000	8.2	33,600	9.9	1,948	2,435	3,870
	7	7	7	9		30	7,000	7,000	7,000	9,000	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
	7	7	9	9		32	6,563	6,563	8,438	8,438	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
	7	7	7	12		33	6,364	6,364	6,364	10,909	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
	7	9	9	9		34	6,176	7,941	7,941	7,941	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
	7	7	9	12		35	6,000	6,000	7,714	10,286	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
	9	9	9	9		36	7,500	7,500	7,500	7,500	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
	7	9	9	12		37	5,676	7,297	7,297	9,730	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
	7	7	12	12		38	5,526	5,526	9,474	9,474	-	18,000	5.3	30,000	8.8	34,500	10.1	1,948	2,435	3,749
	9	9	9	12		39	6,923	6,923	6,923	9,231	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
	7	7	7	18		39	5,385	5,385	5,385	13,846	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
	7	9	12	12		40	5,250	6,750	9,000	9,000	-	18,000	5.3	30,000	8.8	34,500	10.1	1,948	2,435	3,749
	7	7	9	18		41	5,122	5,122	6,585	13,171	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
	9	9	12	12		42	6,429	6,429	8,571	8,571	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
	7	12	12	12		43	4,884	8,372	8,372	8,372	-	18,000	5.3	30,000	8.8	34,500	10.1	1,948	2,435	3,749
	7	9	9	18		43	4,884	6,279	6,279	12,558	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
	7	7	12	18		44	4,773	4,773	8,182	12,273	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
	9	12	12	12		45	6,000	8,000	8,000	8,000	-	18,000	5.3	30,000	8.8	34,500	10.1	1,948	2,435	3,749
	9	9	9	18		45	6,000	6,000	6,000	12,000	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
	7	7	7	24		45	4,667	4,667	4,667	16,000	-	18,000	5.3	30,000	8.8	34,500	10.1	1,948	2,435	3,749
	7	9	12	18		46	4,565	5,870	7,826	11,739	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
	7	7	9	24		47	4,468	4,468	5,745	15,319	-	18,000	5.3	30,000	8.8	34,500	10.1	1,948	2,435	3,749
	12	12	12	12		48	7,500	7,500	7,500	7,500	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
	9	9	12	18		48	5,625	5,625	7,500	11,250	-	18,000	5.3	30,000	8.8	36,000	10.6	1,948	2,435	3,749
5Unit	7	7	7	7	7	35	6,000	6,000	6,000	6,000	6,000	18,000	5.3	30,000	8.8	36,000	10.6	1,909	2,386	3,961
	7	7	7	7	9	37	5,676	5,676	5,676	5,676	7,297	18,000	5.3	30,000	8.8	36,000	10.6	1,909	2,386	3,961
	7	7	7	9	9	39	5,385	5,385	5,385	6,923	6,923	18,000	5.3	30,000	8.8	36,000	10.6	1,909	2,386	3,961
	7	7	7	7	12	40	5,250	5,250	5,250	5,250	9,000	18,000	5.3	30,000	8.8	36,000	10.6	1,909	2,386	3,961
	7	7	9	9	9	41	5,122	5,122	6,585	6,585	6,585	18,000	5.3	30,000	8.8	36,000	10.6	1,909	2,386	3,961
	7	7	7	9	12	42	5,000	5,000	5,000	6,429	8,571	18,000	5.3	30,000	8.8	36,000	10.6	1,909	2,386	3,961
	7	9	9	9	9	43	4,884	6,279	6,279	6,279	6,279	18,000	5.3	30,000	8.8	36,000	10.6	1,909	2,386	3,961
	7	7	9	9	12	44	4,773	4,773	6,136	6,136	8,182	18,000	5.3	30,000	8.8	36,000	10.6	1,909	2,386	3,961
	9	9	9	9	9	45	6,000	6,000	6,000	6,000	6,000	18,000	5.3	30,000	8.8	36,000	10.6	1,909	2,386	3,961
	7	9	9	9	12	46	4,565	5,870	5,870	5,870	7,826	18,000	5.3	30,000	8.8	36,000	10.6	1,909	2,386	3,961
	9	9	9	9	12	48	5,625	5,625	5,625	5,625	7,500	18,000	5.3	30,000	8.8	36,000	10.6	1,909	2,386	3,961
	7	7	7	12	12	45	4,667	4,667	4,667	8,000	8,000	18,000	5.3	30,000	8.8	36,000	10.6	1,909	2,386	3,961
	7	7	7	7	18	46	4,565	4,565	4,565	4,565	11,739	18,000	5.3	30,000	8.8	36,000	10.6	1,909	2,386	3,961
	7	7	9	12	12	47	4,468	4,468	5,745	7,660	7,660	18,000	5.3	30,000	8.8	36,000	10.6	1,909	2,386	3,961
	7	7	7	9	18	48	4,375	4,375	4,375	5,625	11,250	18,000	5.3	30,000	8.8	36,000	10.6	1,909	2,386	3,961

Note :
1. Cooling Capacity is based on : indoor temp.27°CDB, 19°CWB ; outdoor temp. 35°CDB
2. Heating Capacity is based on : indoor temp.20°CDB ; outdoor temp. 7°CDB, 6°CWB
3. The total ability of connected a indoor unit is up to 48kBtu/h
4. At least two indoor units should be connected.

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

combination table

MULTI F

FM30AH UE3 heating

Operation	Combination of Indoor Unit (kBtu/h)						Heating												
							Each Capacity					Total Capacity						Input (W)	
												Min		Rating		Max			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	UNIT-E	Total	UNIT-A(Btu/h)	UNIT-B(Btu/h)	UNIT-C(Btu/h)	UNIT-D(Btu/h)	UNIT-E(Btu/h)	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max
1 Unit	7					7	8,000	-	-	-	-	7,560	2.2	8,000	2.4	8,800	2.6	880	900	1,440
	9					9	10,000	-	-	-	-	7,560	2.2	10,000	2.9	11,000	3.2	978	1,222	2,004
	12					12	13,200	-	-	-	-	7,920	2.3	13,200	3.9	14,520	4.3	1,273	1,591	2,609
	18					18	19,800	-	-	-	-	11,880	3.5	19,800	5.8	21,780	6.4	1,901	2,377	3,327
	24					24	25,400	-	-	-	-	15,240	4.5	25,400	7.5	26,600	7.8	2,569	3,211	4,026
2 Unit	7	7				14	8,400	8,400	-	-	-	10,080	3.0	16,800	4.9	19,320	5.7	1,249	1,562	2,349
	7	9				16	8,400	10,800	-	-	-	11,520	3.4	19,200	5.6	22,080	6.5	1,366	1,707	2,677
	9	9				18	10,800	10,800	-	-	-	12,960	3.8	21,600	6.4	24,840	7.3	1,606	2,008	3,065
	7	12				19	8,400	14,400	-	-	-	13,680	4.0	22,800	6.7	25,080	7.4	1,886	2,357	3,337
	9	12				21	10,800	14,400	-	-	-	15,120	4.4	25,200	7.4	27,720	8.1	2,320	2,900	3,647
	12	12				24	14,400	14,400	-	-	-	17,280	5.1	28,800	8.5	31,680	9.3	2,522	3,153	3,919
	7	18				25	8,400	21,600	-	-	-	18,000	5.3	30,000	8.8	34,500	10.1	2,631	3,288	4,035
	9	18				27	10,800	21,600	-	-	-	19,440	5.7	32,400	9.5	37,260	11.0	2,770	3,463	4,093
	12	18				30	13,800	20,700	-	-	-	20,700	6.1	34,500	10.1	37,950	11.2	2,957	3,696	4,132
	7	24				31	7,790	26,710	-	-	-	20,700	6.1	34,500	10.1	37,950	11.2	2,957	3,696	4,132
	9	24				33	9,409	25,091	-	-	-	20,700	6.1	34,500	10.1	37,950	11.2	2,957	3,696	4,132
	18	18				36	17,250	17,250	-	-	-	20,700	6.1	34,500	10.1	39,675	11.7	2,910	3,638	4,074
	12	24				36	11,500	23,000	-	-	-	20,700	6.1	34,500	10.1	37,950	11.2	2,910	3,638	4,074
	18	24				42	14,786	19,714	-	-	-	20,700	6.1	34,500	10.1	37,950	11.2	2,910	3,638	4,074
	24	24				48	17,250	17,250	-	-	-	20,700	6.1	34,500	10.1	37,950	11.2	2,910	3,638	4,074
3Unit	7	7	7			21	8,400	8,400	8,400	-	-	15,120	4.4	25,200	7.4	28,980	8.5	1,599	1,998	3,247
	7	7	9			23	8,400	8,400	10,800	-	-	16,560	4.9	27,600	8.1	31,740	9.3	1,754	2,192	3,398
	7	9	9			25	8,400	10,800	10,800	-	-	18,000	5.3	30,000	8.8	34,500	10.1	1,979	2,474	3,638
	7	7	12			26	8,400	8,400	14,400	-	-	18,720	5.5	31,200	9.2	35,880	10.5	2,103	2,629	3,744
	9	9	9			27	10,800	10,800	10,800	-	-	19,440	5.7	32,400	9.5	37,260	11.0	2,243	2,803	3,870
	7	9	12			28	8,275	10,639	14,186	-	-	19,860	5.8	33,100	9.7	38,065	11.2	2,359	2,949	3,958
	9	9	12			30	10,350	10,350	13,800	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,103
	7	12	12			31	7,790	13,355	13,355	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,064
	7	7	18			32	7,547	7,547	19,406	-	-	20,700	6.1	34,500	10.1	39,675	11.7	2,491	3,114	4,064
	9	12	12			33	9,409	12,545	12,545	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,055
	7	9	18			34	7,103	9,132	18,265	-	-	20,700	6.1	34,500	10.1	39,675	11.7	2,491	3,114	4,035
	12	12	12			36	11,500	11,500	11,500	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,016
	9	9	18			36	8,625	8,625	17,250	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,016
	7	12	18			37	6,527	11,189	16,784	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,016
	7	7	24			38	6,355	6,355	21,789	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,016
	9	12	18			39	7,962	10,615	15,923	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,016
	7	9	24			40	6,038	7,763	20,700	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,016
	12	12	18			42	9,857	9,857	14,786	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,016
	9	9	24			42	7,393	7,393	19,714	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,016
	7	18	18			43	5,616	14,442	14,442	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,016
	7	12	24			43	5,616	9,628	19,256	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,016
	9	18	18			45	6,900	13,800	13,800	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,016
	9	12	24			45	6,900	9,200	18,400	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,016
	12	18	18			48	8,625	12,938	12,938	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,016
	12	12	24			48	8,625	8,625	17,250	-	-	20,700	6.1	34,500	10.1	38,640	11.4	2,491	3,114	4,016
4Unit	7	7	7	7		28	8,275	8,275	8,275	8,275	-	19,860	5.8	33,100	9.7	39,720	11.7	2,095	2,619	4,108
	7	7	7	9		30	8,050	8,050	8,050	10,350	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,123
	7	7	9	9		32	7,547	7,547	9,703	9,703	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,113
	7	7	7	12		33	7,318	7,318	7,318	12,545	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,113
	7	9	9	9		34	7,103	9,132	9,132	9,132	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,113
	7	7	9	12		35	6,900	6,900	8,871	11,829	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,113
	9	9	9	9		36	8,625	8,625	8,625	8,625	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,113
	7	9	9	12		37	6,527	8,392	8,392	11,189	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,113
	7	7	12	12		38	6,355	6,355	10,895	10,895	-	20,700	6.1	34,500	10.1	39,675	11.7	2,157	2,697	4,113
	9	9	9	12		39	7,962	7,962	7,962	10,615	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,113
	7	7	7	18		39	6,192	6,192	6,192	15,923	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,113
	7	9	12	12		40	6,038	7,763	10,350	10,350	-	20,700	6.1	34,500	10.1	39,675	11.7	2,157	2,697	4,113
	7	7	9	18		41	5,890	5,890	7,573	15,146	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,113
	9	9	12	12		42	7,393	7,393	9,857	9,857	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,113
	7	12	12	12		43	5,616	9,628	9,628	9,628	-	20,700	6.1	34,500	10.1	39,675	11.7	2,157	2,697	4,113
	7	9	9	18		43	5,616	7,221	7,221	14,442	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,113
	7	7	12	18		44	5,489	5,489	9,409	14,114	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,113
	9	12	12	12		45	6,900	9,200	9,200	9,200	-	20,700	6.1	34,500	10.1	39,675	11.7	2,157	2,697	4,113
	9	9	9	18		45	6,900	6,900	6,900	13,800	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,113
	7	7	7	24		45	5,367	5,367	5,367	18,400	-	20,700	6.1	34,500	10.1	39,675	11.7	2,157	2,697	4,113
	7	9	12	18		46	5,250	6,750	9,000	13,500	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,113
	7	7	9	24		47	5,138	5,138	6,606	17,617	-	20,700	6.1	34,500	10.1	39,675	11.7	2,157	2,697	4,113
	12	12	12	12		48	8,625	8,625	8,625	8,625	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,113
	9	9	12	18		48	6,469	6,469	8,625	12,938	-	20,700	6.1	34,500	10.1	41,400	12.2	2,157	2,697	4,113
5Unit	7	7	7	7	7	35	6,900	6,900	6,900	6,900	6,900	20,700	6.1	34,500	10.1	41,400	12.2	1,800	2,250	4,030
	7	7	7	7	9	37	6,527	6,527	6,527	6,527	8,392	20,700	6.1	34,500	10.1	41,400	12.2	1,800	2,250	4,030
	7	7	7	9	9	39	6,192	6,192	6,192	7,962	7,962	20,700	6.1	34,500	10.1	41,400	12.2	1,800	2,250	4,030
	7	7	7	7	12	40	6,038	6,038	6,038	6,038	10,350	20,700	6.1	34,500	10.1	41,400	12.2	1,800	2,250	4,030
	7	7	9	9	9	41	5,890	5,890	7,573	7,573	7,573	20,700	6.1	34,500	10.1	41,400	12.2	1,800	2,250	4,030
	7	7	7	9	12	42	5,750	5,750	5,750	7,393	9,857	20,700	6.1	34,500	10.1	41,400	12.2	1,800	2,250	4,030
	7	9	9	9	9	43	5,616	7,221	7,221	7,221	7,221	20,700	6.1	34,500	10.1	41,400	12.2	1,800	2,250	4,030
	7	7	9	9	12	44	5,489	5,489	7,057	7,057	9,409	20,700	6.1	34,500	10.1	41,400	12.2	1,800	2,250	4,030
	9	9	9	9	9	45	6,900	6,900	6,900	6,900	6,900	20,700	6.1	34,500	10.1	41,400	12.2	1,800	2,250	4,030
	7	9	9	9	12	46	5,250	6,750	6,750	6,750	9,000	20,700	6.1	34,500	10.1	41,400	12.2	1,800	2,250	4,030
	9	9	9	9	12	48	6,469	6,469	6,469	6,469	8,625	20,700	6.1	34,500	10.1	41,400	12.2	1,800	2,250	4,030
	7	7	7	12	12	45	5,367	5,367	5,367	9,200	9,200	20,700	6.1	34,500	10.1	41,400	12.2	1,800	2,250	4,030
	7	7	7	7	18	46	5,250	5,250	5,250	5,250	13,500	20,700	6.1	34,500	10.1	41,400	12.2	1,800	2,250	4,030
	7	7	9	12	12	47	5,138	5,138	6,606	8,809	8,809	20,700	6.1	34,500	10.1	41,400	12.2	1,800	2,250	4,030
	7	7	7	9	18	48	5,031	5,031	5,031	6,469	12,938	20,700	6.1	34,500	10.1	41,400	12.2	1,800	2,250	4,030

Note :
1. Cooling Capacity is based on : indoor temp.27°CDB, 19°CWB ; outdoor temp. 35°CDB
2. Heating Capacity is based on : indoor temp.20°CDB ; outdoor temp. 7°CDB, 6°CWB
3. The total ability of connected a indoor unit is up to 48kBtu/h
4. At least two indoor units should be connected.

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

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