



**LG Electronics Inc.**

**LG Electronics Air Conditioning Marketing**

20 Yoido-dong, Youngdungpo-gu,  
Yoido P.O.Box 355 Seoul 150-721, Korea  
Phone: 82-2-3777-7985 Fax: 82-2-3777-5136  
<http://www.lge.com>

For continual product development, LG reserves the right to change specifications without notice.  
© LG Electronics Inc. Printed in Korea January 2009



# LG Commercial Air Conditioners 2009

Enjoy Clean, Quiet, and Comfortable Air Conditioning with LG



[www.lgearcon.com](http://www.lgearcon.com)

EU-CA091

**“Eco-Design, Energy Efficient,  
Reduce CO<sub>2</sub> Emissions”**



Enjoy Clean, Quiet, and Comfortable  
Air Conditioning with LG

## LG Air Conditioners are environment-friendly & future-oriented.

To reduce freon gas, a prime ozone destroyer, they adopt alternative refrigerant R-410A, and neo plasma air-purifying system for powerful sterilization for health-conscious customers. Also, ARTCOOL series with outstanding designs have received International Forum Design Award, Reddot Design Award and G Mark. They have improved air flow innovatively to realize world's lowest noise, and provide a more pleasant and convenient indoor environment.

## Environmental concern 2009

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 will easily understand products considering the environment.

Customers will have to purchase the products considering the energy label to meet their needs. Energy label shows the energy consumption of the unit classified with 7 different colors..

Energy		Air-conditioner
Manufacturer	Outside unit	
	inside unit	
<b>More efficient</b> 		
<b>Less efficient</b>		
Annual energy consumption, kWh in cooling mode <small>(Actual consumption will depend on how the appliance is used and climate)</small>		
Cooling output		kW
Energy efficiency ratio		
Full load (the higher the better)		
Type	Cooling only	—
	Cooling + heating	—
	Air cooled	—
	Water cooled	—
Heat output		kW
heating performance		
A: higher G: lower		
Noise		
(dB(A) re 1 pW)		
Further information is contained in product brochures		
Air-conditioner		
Energy Label Directive 2002/31/EC		

### 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

























Enjoy Clean, Quiet,  
and Comfortable  
Air Conditioning with LG

**Contents**

	Ceiling Cassette Type	10	Ceiling Cassette
	Ceiling Concealed Duct Type	20	Ceiling Concealed Duct
	Ceiling & Floor Type Ceiling Suspended Type	28	Ceiling & Floor Ceiling Suspended
	Console Type	36	Console
	Synchro Operation	40	Synchro
	Floor Standing Type	46	Floor Standing
	Multi Split System	50	Multi Split System





**Universal Indoor Type**

Type	kW	2.5	3.5	5.0	7.1	8.0	10.0	12.5	14.0	15.0
Ceiling Cassette Type		 UT09 NRD	 UT12 NRD	 UT18 NQD	 UT24 NPD	 UT30 NPD	 UT36 NND	 UT42 NMD	 UT48 NMD	 UT60 NMD
Ceiling Concealed Duct Type				 UB18 NHD	 UB24 NHD	 UB30 NGD	 UB36 NGD	 UB42 NRD	 UB48 NRD	 UB60 NRD
Ceiling and Floor Type		 UV09 NED	 UV12 NED	 UV18 NBD	 UV24 NBD	 UV30 NBD	 UV36 NKD	 UV42 NLD	 UV48 NLD	 UV60 NLD
Consol Type* 		 CQ09 NAO	 CQ12 NAO	 CQ18 NAO	*Available on July, 2009 *Only Connectable to DC Inverter					

**Universal Outdoor Type**

Type	kW	2.5	3.5	5.0	7.1	8.0	10.0	12.5	14.0	15.0
Heat Pump			 UU12 ULD	 UU18 UED	 UU24 UED	 UU30 UED	 UU37 UED		 UU48 U3D	 UU60 U3D
DC Inverter 		 UU09W ULD	 UU12W ULD	 UU18W UED	 UU24W UED	 UU30W UED	 UU36W UED	 UU42W U3D	 UU48W U3D	 UU60W U3D
3Phase DC Inverter 							 UU37W UED	 UU43W U3D	 UU49W U3D	 UU61W U3D

**Set Type**

Type	kW	8.0	12.5	14.0	21.1	32.8
Ceiling Concealed Duct Type		 B120AH sV0				
Floor Standing Type		 P03AH sR1	 P05AH sT0	 P08AH sF1		

**SUPER INVERTER** 

5.0	6.0	7.1
 UT18H NPD	 UT21H NMD	 UT24H NMD
 UU18WH UED	 UU21WH U4D	 UU24WH U4D

Enjoy Clean, Quiet, and Comfortable Air Conditioning with LG

Unique Features

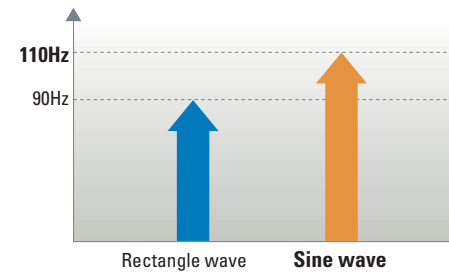
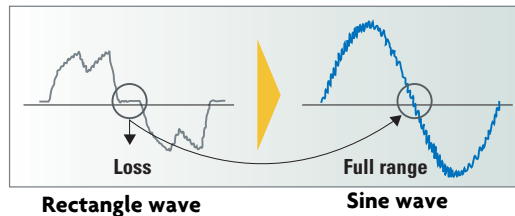
## DC Inverter Technology

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

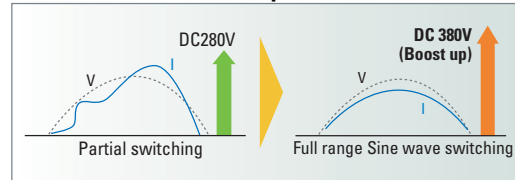
### Step-up Inverter by the PFC & the Sine Wave Control Technology (PFC : Power Factor Correction)

The LG air conditioner is manufactured using the PFC and the sine wave technology. By the PFC control, 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

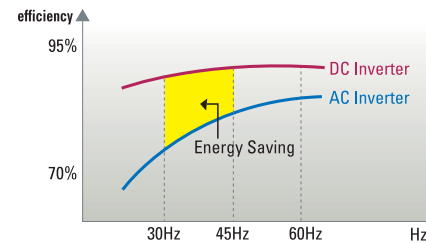


• PFC Control in Power Input



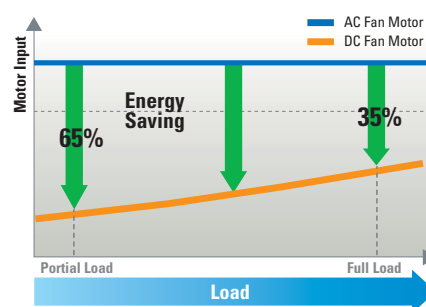
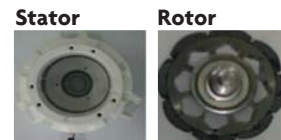
### Powerful BLDC Compressor

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 condenser will further increase the product's energy consumption efficiency.



### 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%.

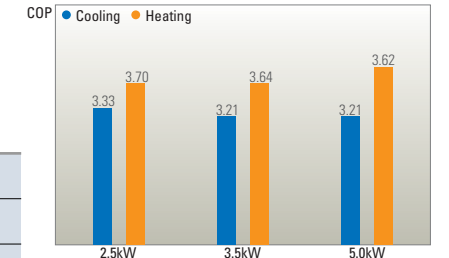


### Top Class COP

- DC Inverter Compressor
- BLDC Fan Motor

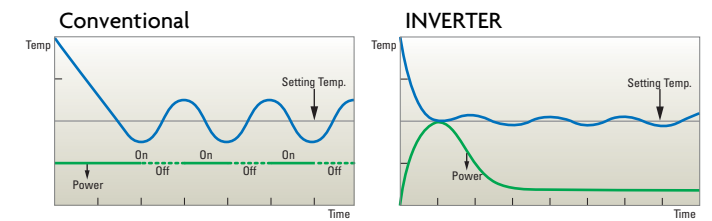
\*Testing Combinations

Capacity	2.5kW	3.5kW	5.0kW
INDOOR	UT09	UT21	UT18
OUTDOOR	UU09W	UU21W	UU18W



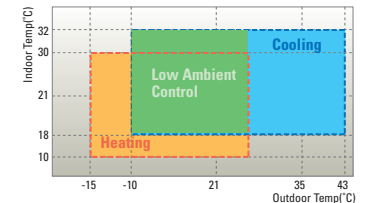
### Comfortable with Fast Cooling & Heating Performance

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.



### Wide Operating Range

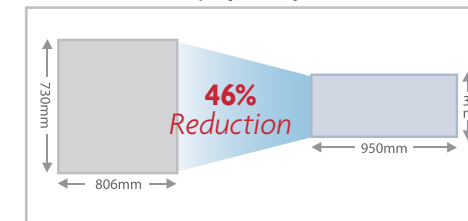
When cooling computer rooms and other rooms in the event of low outdoor temperatures, the BLDC inverter compressor and outdoor BLDC fan motor are used to adjust the air flow and volume, with a view to ensuring efficient operation by allowing the air conditioner to keep operating at -10°C without turning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



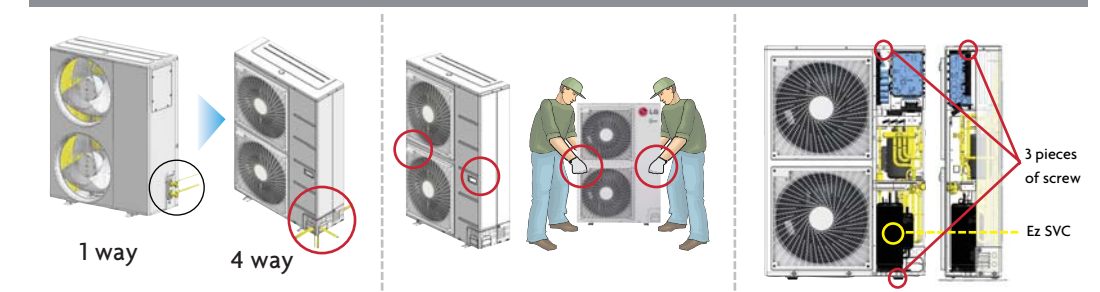
• Volume



### Easy to Service

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

- 1. Inner SVC valve**
  - 4 Way piping is possible (Front, Rear, Right, Down)
  - Excellent exterior
- 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



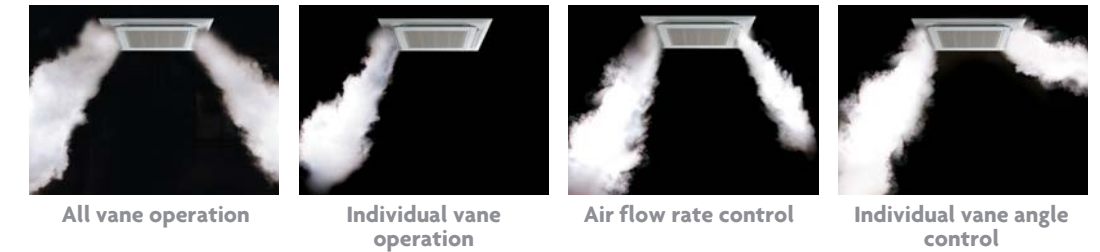


# Ceiling Cassette

LG "Ceiling Cassette" is a indoor unit which is installed for the significant purpose. The ceiling cassette is used for the commercial purpose. It can be installed in various places such as restaurants, hotels, offices and meeting rooms. This unit has nice outlook and is equipped with many special features. It has four louvers for the air circulation in all directions which in turn can maintain even and wide cooling and heating.

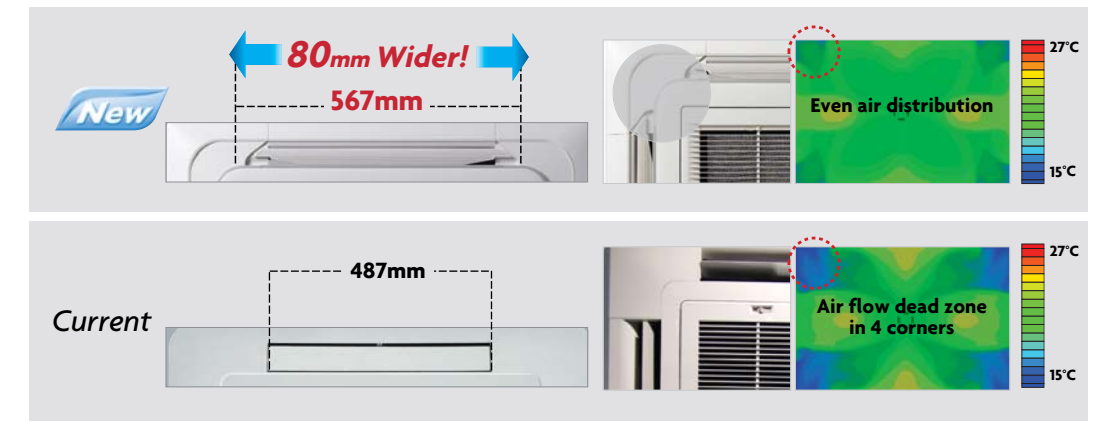
## 4 Vane Independent Operation

Vane angle control satisfies both users who like direct wind or indirect wind and also reduces cold air draft.



## Wide Jet Air Flow

Improved wide vanes reduce dead bands and provide better air and temperature distribution.

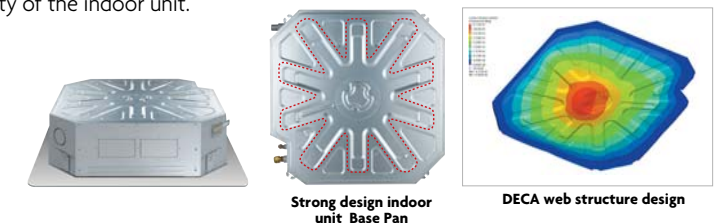
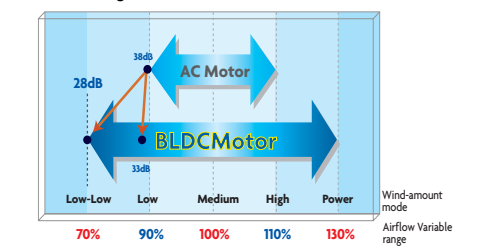


## Improved Low Noise

- BLDC motor, Low indoor noise with high efficiency turbo fan
- Outlet & air flow improved design
- Removal of abnormal noise through high efficiency turbo fan
- Resonance noise removal by anti vibration design & BLDC motor

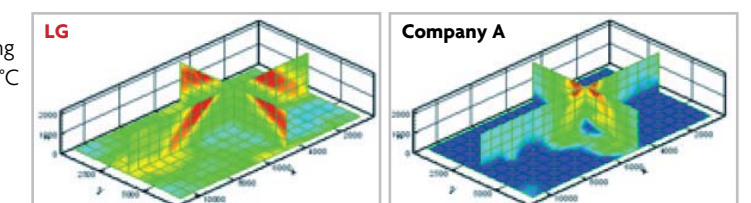
- Base pan redesigned
- A base pan with a vibration-proof, rigid deca-web structure is adopted to further improve the rigidity of the indoor unit.

Variable range of wind of the interior fan motor



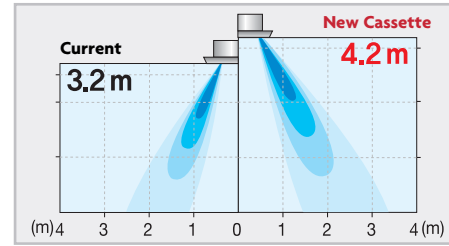
## Whirlwind Airflow

100% distribution of floor temperature. Even while in heating mode the whole room has max 1°C temperature difference between the ceiling and floor



### Extra high ceiling mode

A 4.2m maximum high ceiling mode is available with the support of the indoor unit fan position control algorithm design. This setting offers a reduction of draughts.



### New Wired Remote Controller

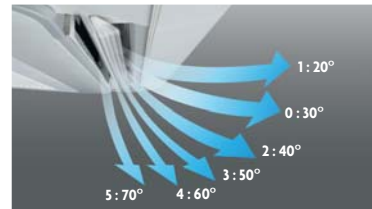
The wired remote controller with a large wide LCD screen featuring large font letters and a 4-direction key control enables the user more convenient control of operational conditions of the indoor unit.



- Big Font to see even from a distance
- Large wide LCD for easy check
- Easy installation

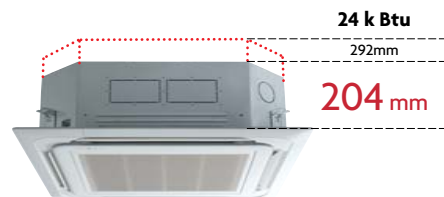
### Independent Automatic Vane Control

One motor per vane is adopted to control each of four vane independently, freely controlling air current according to situations.



### Slim & Compact size

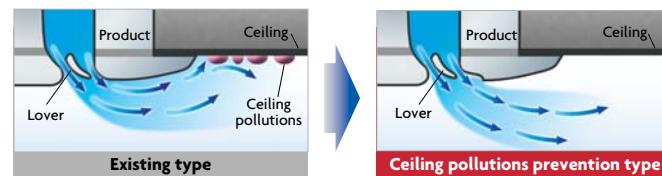
The indoor unit with slim and compact size enables successful installation in confined spaces.



Model	Size
UT12	214mm
UT18	256mm
UT24, UT30	204mm
UT36	246mm
UT42, UT48	288mm
UT60	288mm

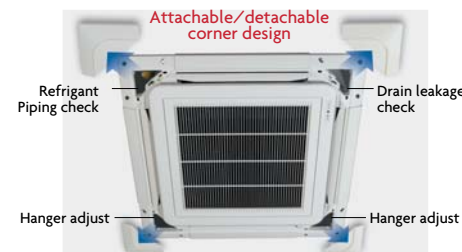
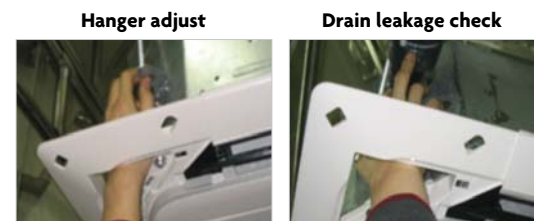
### Design to Reduce the Ceiling Stains

The new outlet design can reduce ceiling contamination from air current flowing along the ceiling.



### 4 Corners Detachable Panels

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



### One Touch Panel Fitting Method

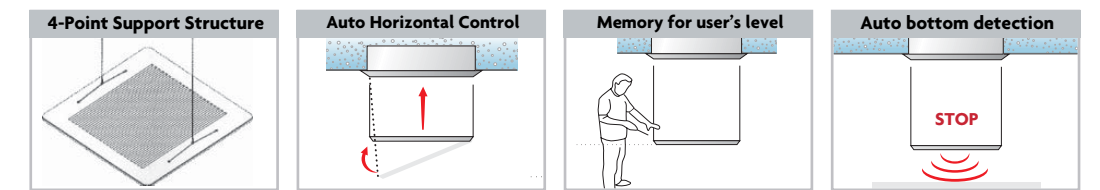
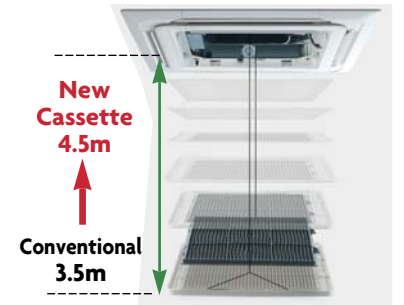
The simple push-up panel design easily connect the panel with the body, enabling the installer to use his two hands freely.



### Elevation Grille (Accessory : PTEGMO)

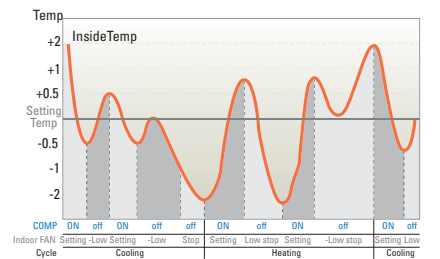
A fuzzy control elevation grill connected to the body is available to make grill maintenance more convenient.

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



### Auto Changerover

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



### Two Thermistor Control

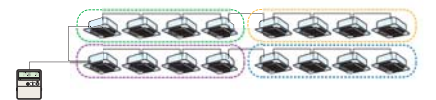
There may be a significant difference between the temperature taken at the installed product and indoor temperature. Two thermistor control provides option to control temperature by referring any of the two temperatures. With the help of the slide switch at the back of the LCD wired remote controller, 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.

### 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).

### Group Control

- 1) Operation Summary
  - Where several products are linked, one specific control device can control a specific number of products.
- 2) Specific Operation
  - Connecting line is linked to each of the indoor equipments for communication. A specific control device is connected to each of them and this control device can control the same function.
  - Group control function is enabled by dip switches in the wired remote control. At this time, the main system will not respond in order to prevent data collision.
  - While executing group control command, use the random data(0-3minutes) in the main body of indoor equipment for limiting starting current.
  - Control device can control up to 16 indoor equipments.



### 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

### 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.



Ceiling Cassette

UT09 / UT12 / UT18



Indoor Unit

		F/Panel	UT09 NRD PT-UQC	UT12 NRD PT-UQC	UT18 NRD PT-UQC
Nominal Capacity (Rated)	Cooling	Btu/h	3,410-8,530-9,380	4,640-11,600-12,760	6,820-17,060-18,760
		kw	1.0-2.5-2.75	1.36-3.4-3.74	2.0-5.0-5.5
	Heating	Btu/h	4,090-10,240-11,260	5,460-13,650-15,010	7,510-18,770-20,640
		kw	1.2-3.0-3.3	1.60-4.0-4.4	2.2-5.5-6.05
Nominal Input (Rated)	Cooling	kw	0.75	1.06	1.56
	Heating	kw	0.81	1.1	1.52
Running Current	Cooling/Heating	A	0.3	0.3	0.3
Power Supply		Ø/V/Hz	1 / 220 -240 / 50	1 / 220 -240 / 50	1 / 220 -240 / 50
EER	Cooling	kw/kw			
COP	Heating	kw/kw			
Operational Temperature Range	Cooling	°C	-10 - 43	-10 - 43	-10 - 43
	Heating	°C	-15 - 24	-15 - 24	-15 - 24
Air Flow Rate (H/M/L)		CMM	8.5/7.0/6.0	9.5/8/7	13/12/11
		CFM	307 / 272 / 237	336 / 283 / 247	459 / 422 / 388
Sound Level (H/M/L)		dB(A)±3	36 / 33 / 30	38 / 35 / 32	41 / 39 / 36
Dehumidification Rate		l/h	1.4	2.4	1.7
Dimensions (WxHxD)	Body	mm(inch)	570*214*570 (22.4*8.4*22.4)	570*214*570 (22.4*8.4*22.4)	570*256*570 (22.4*10.1*22.4)
	Decorative Panel	mm	700*30*700 (27.6*1.2*27.6)	700*30*700 (27.6*1.2*27.6)	700*30*700 (27.6*1.2*27.6)
Weight	Body	kg(lbs)	14(30.9)	15(33.1)	15(33.1)
	Decorative Panel	kg(lbs)	3(6.6)	3(6.6)	3(6.6)
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)

Outdoor Unit

			UU09W ULD	UU12W ULD	UU18W UED
Compressor	Type		Rotary	Rotary	e - Scroll
Refrigerant Charge	Charge	g(oz)	1000 (35.27)	1000 (35.27)	1300(45.86)
	Type		R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge
Noise Level	Sound Press,1m	dB(A)±3	48 / 42	48 / 42	51 / 45
Dimensions	W*H*D	mm(inch)	770*540*245 (30.3*21.3*9.9)	770*540*245 (30.3*21.3*9.9)	870*655*320 (34.3*25.8*12.6)
Net Weight	Outdoor	kg(lbs)	32(71)	32(71)	46(101)
Piping connection	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)
Power Supply Cable(Includes earth)	No.*mm²		3 x 1.5	3 x 1.5	3 x 2.5
Interunit Cable(Includes earth)	No.*mm²		4 x 0.75	4 x 0.75	4 x 0.75
Max. Piping Length/Elevation	m		15/10	40/30	50/30
Power Supply	ø,V, Hz		1,220-240,50	1,220-240,50	1,220-240,50
Running Current	Cooling/Heating	A	3.42/3.87	5.02/5.03	7.1/7.1
Air Circulation		CMM(CFM)	26	26	50
Additional Refrigerant Charge (Over 7.5m)		g/m	20	20	25

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

Outdoor



UU09W / UU12W UU18W

Ceiling Cassette

UT24 / UT30 / UT36 / UT42 /  
UT48 / UT60



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 (Rated)	Cooling	Btu/h	9,680-24,200-26,620	10,920-27,300-30,030	13,640-34,100-37,550	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	5.48-13.9-15.7	5.92-14.6-16.3
	Heating	Btu/h	10,920-27,300-30,030	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	6.4-15.5-17.6	6.8-16.9-18.7
Nominal Input (Rated)	Cooling	kw	2.15	2.65	3.12	3.89	4.61	5.40
	Heating	kw	2.34	2.80	3.23	3.87	4.54	5.50
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	Cooling	kw/kw	3.30	3.02	3.21	3.21	3.01	2.70
COP	Heating	kw/kw	3.42	3.21	3.41	3.61	3.41	3.07
Operational Temperature Range	Cooling	°C	-10 - 43	-10 - 43	-10 - 43	-10 - 43	-10 - 43	-10 - 43
	Heating	°C	-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)

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	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

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

Outdoor



UU24W / UU30W UU36W UU42W / UU48W / UU60W



Ceiling Cassette

UT36 / UT42 / UT48 / UT60



Indoor Unit

		F/Panel	UT36 NND PT-UMC	UT42 NMD PT-UMC	UT48 NMD PT-UMC	UT60 NMD PT-UMC
Nominal Capacity (Rated)	Cooling	Btu/h	13,640-34,100-37,550	17,060-42,650-46,915	18,700-46,750-51,425	20,200-50,500-55,550
		kw	4.0-10.0-11.0	5.0-12.5-13.8	5.48-13.8-15.7	5.92-14.7-16.3
	Heating	Btu/h	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	4.4-11.0-12.1	5.0-14.0-15.4	6.4-15.9-17.6	6.8-17.0-18.7
Nominal Input (Rated)	Cooling	kw	3.12	3.89	4.58	5.63
	Heating	kw	3.23	3.87	4.66	5.64
Running Current	Cooling/Heating	A	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
EER	Cooling	kw/kw	3.21	3.21	3.01	2.61
	Heating	kw/kw	3.41	3.61	3.41	3.01
Operational Temperature Range	Cooling	°C	-10 - 43	-10 - 43	-10 - 43	-10 - 43
	Heating	°C	-15 - 24	-15 - 24	-15 - 24	-15 - 24
Air Flow Rate (H/M/L)		CMM	24 / 22 / 19	30 / 28 / 26	34 / 32 / 30	34 / 32 / 30
		CFM	847 / 759 / 671	1059 / 989 / 919	1200 / 1130 / 1059	1200 / 1130 / 1059
Sound Level (H/M/L)		dB(A)±3	43/40/37	46/44/40	49 / 47 / 43	49 / 47 / 43
Dehumidification Rate		L/h	2.7	3.6	4.4	5.5
Dimensions (WxHxD)	Body	mm(inch)	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)
Weight	Body	kg(lbs)	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)
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)

Outdoor Unit

		UU37W UED	UU43W U3D	UU49W U3D	UU61W U3D
Compressor	Type	Rotary	Rotary	Rotary	Rotary
Refrigerant Charge	Charge	g(oz)	2500(88)	3600(127)	3600(127)
	Type		R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge
Noise Level	Sound Press,1m	dB(A)±3	54/50	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)
	Net Weight	Outdoor	kg(lbs)	80(176)	103(227)
Piping connection	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		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
Max. Piping Length/Elevation	m		50/30	75/30	75/30
Power Supply	Ø,V, Hz		3,380-415, 50	3,380-415, 50	3,380-415, 50
Running Current	Cooling/Heating	A	5.3/4.3	4.09/4.28	4.98/5.23
Air Circulation		CMM(CFM)	32(1130) x 2	55(1942) x 2	55(1942) x 2
Additional Refrigerant Charge (Over 7.5m)		g/m	45	40	40

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

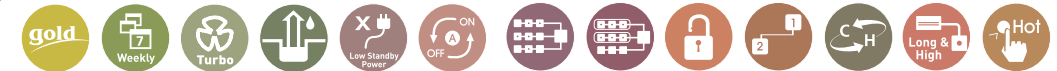
Outdoor



UU37W UU43W / UU49W / UU61W

Ceiling Cassette

UT12 / UT18 / UT24 / UT30  
UT36 / UT48 / UT60



Indoor Unit

		F/Panel	UT12 NED PT-UQC	UT18 NED PT-UQC	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	11,533	17,913	23,885	27,300	34,100	46,700	48,800
		kw	3.38	5.25	7.0	8.00	10.0	13.70	14.30
	Heating	Btu/h	12,795	19,346	25,591	30,700	37,500	49,476	58,000
		kw	3.75	5.67	7.5	9.00	11.0	14.50	17.00
Nominal Input (Rated)	Cooling	kw	1.29	1.85	2.49	3.62	3.80	5.63	5.90
	Heating	kw	1.32	1.93	2.60	3.60	3.40	5.05	5.80
Running Current	Cooling/Heating	A	0.3	0.3	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	1 / 220-240 / 50	1 / 220-240 / 50
EER	Cooling	kw/kw	2.62	2.84	2.81	2.21	2.63	2.43	2.42
	Heating	kw/kw	2.84	2.94	2.88	2.50	3.24	2.87	2.93
Operational Temperature Range	Cooling	°C	-5 - 43	-5 - 43	-5 - 43	-5 - 43	-5 - 43	-5 - 43	-5 - 43
	Heating	°C	-10 - 24	-10 - 24	-10 - 24	-10 - 24	-10 - 24	-10 - 24	-10 - 24
Air Flow Rate (H/M/L)		CMM	9.5 / 8.7	13/12/11	17/15/13	19 / 17 / 15	24 / 22 / 19	34 / 32 / 30	34 / 32 / 30
		CFM	336 / 283 / 247	459 / 422 / 388	582 / 519 / 459	671 / 600 / 530	847 / 759 / 671	1200 / 1130 / 1059	1200 / 1130 / 1059
Sound Level (H/M/L)		dB(A)±3	38 / 35 / 32	41 / 39 / 37	39/37/34	43/40/37	43/40/37	49 / 47 / 43	49 / 47 / 43
Dehumidification Rate		L/h	1.2	2.17	2.1	2.5	2.7	4.4	5.5
Dimensions (WxHxD)	Body	mm(inch)	570*269*570(22.4*10.5*22.4)	570*269*570(22.4*10.5*22.4)	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	670*30*670(26.4*1.2*26.4)	670*30*670(26.4*1.2*26.4)	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)	19(41.9)	19(41.9)	21(46.3)	21(46.3)	26(57.3)	26(57.3)	26(57.3)
	Decorative Panel	kg(lbs)	3(6.6)	3(6.6)	5(11.0)	5(11.0)	5(11.0)	5(11.0)	5(11.0)
Piping Connections	Liquid	mm(inch)	6.35 (1/4)	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)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)

Outdoor Unit

		UU12 ULD	UU18 UED	UU24 UED	UU30 UED	UU37 UED	UU48 U3D	UU60 U3D
Compressor	Type	Rotary	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll
Refrigerant Charge	Charge	g(oz)	1200(42.4)	1300(45.90)	1950(68.9)	1870(66.0)	2450(86.4)	3300(116.4)
	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	47	52	52	53	55	55
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)	870*1060*320(34.2*41.7*12.6)	950*1380*330(37.4*54.3*13.0)
	Net Weight	Outdoor	kg(lbs)	31(68.3)	52(114.6)	60(132.2)	64(141)	85(187)
Piping connection	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	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)	15.88 (5/8)	15.88 (5/8)
Power Supply Cable(Includes earth)	No.*mm²		3x2.5	3x2.5	3x2.5	3x3.5	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		15/10	50/30	40/30	50/30	50/30	40/30
Power Supply	Ø,V, Hz		1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50	3,380-415,50	3,380-415,50
Running Current	Cooling/Heating	A	5.8/5.95	8.26/8.6	11.4/12.6	17.2/16.3	7.5/7.7	6.5/6.4
Air Circulation		CMM(CFM)	26(918)	53(1872)	53(1872)	53(1872)	32(1130)*2	55(1942)*2
Additional Refrigerant Charge (Over 7.5m)		g/m	20	35	45	45	50	50

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

Outdoor



UU12 UU18 UU24 / UU30 UU37 UU48 / UU60

Enjoy Clean, Quiet, and Comfortable Air Conditioning with LG

Unique Features



**Super 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.

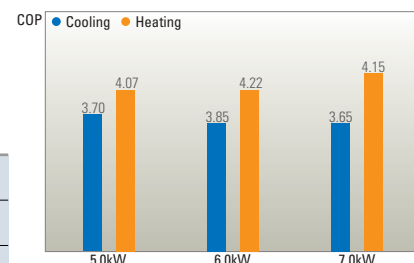
This makes the LG Inverter Units more economical & efficient to operate, produce less noise than standard counterparts and contain most superior features on the market.

**World Best COP**

- DC Inverter Compressor
- BLDC Fan Motor

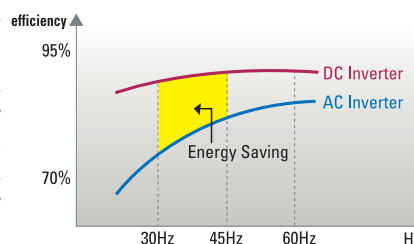
**\*Testing Combinations**

Capacity	5.0kW	6.0kW	7.0kW
<b>INDOOR</b>	UT18H	UT21H	UT24H
<b>OUTDOOR</b>	UU18WH	UU21WH	UU24WH



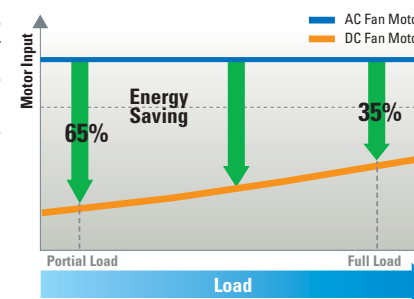
**Powerful BLDC Compressor**

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 condenser will further increase the product's energy consumption efficiency.



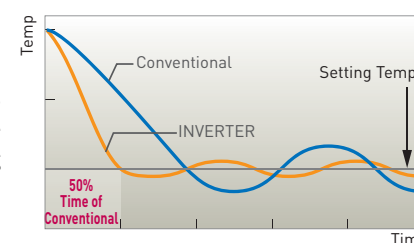
**BLDC Fan**

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%.



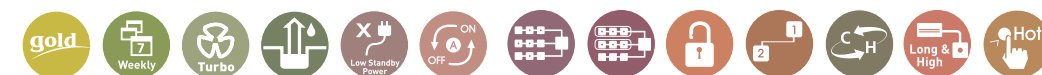
**Quick Cooling & Heating**

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.



Ceiling Cassette

UT18H / UT21H / UT24H



**Indoor Unit**

	F/Panel	UT18H NPD PT-UMC	UT21H NMD PT-UMC	UT24H NMD PT-UMC
Nominal Capacity (Rated)	Cooling	Btu/h 6,820-17,060-18,760	9,550-20,470-27,300	9,550-23,900-28,660
		kw 2.0-5.0-5.5	2.8-6.0-8.0	2.8-7.0-8.4
	Heating	Btu/h 7,510-18,770-20,640	10,920-23,900-30,700	10,920-27,300-32,070
		kw 2.2-5.5-6.05	3.2-7.0-9.0	3.2-8.0-9.4
Nominal Input (Rated)	Cooling	kw 1.35	1.56	1.92
	Heating	kw 1.35	1.66	1.93
Running Current	Cooling / Heating	A 0.60	0.60	0.60
Power Supply	Ø/V/Hz	1 / 220 -240 / 50	1 / 220 -240 / 50	1 / 220 -240 / 50
EER	Cooling	kw/kw 3.70	3.85	3.65
	Heating	kw/kw 4.07	4.22	4.15
Operational Temperature Range	Cooling	°C -10-43	-10-43	-10-43
	Heating	°C -15-24	-15-24	-15-24
Air Flow Rate (H/M/L)		CMM 17/15/13	19/16/14	21/18/16
		CFM 582 / 519 / 459	671/565/494	742/636/565
Sound Level (H/M/L)		dB(A)±3 39 / 37 / 34	38/36/34	40/38/36
Dehumidification Rate		l/h 2.1	2.7	2.7
Dimensions (WxHxD)	Body	mm(inch) 840*204*840 (33.1*8.0*33.1)	840*204*840 (33.1*8.0*33.1)	840*204*840 (33.1*8.0*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)
Weight	Body	kg(lbs) 21(46.3)	23.5(51.8)	23.5(51.8)
	Decorative Panel	kg(lbs) 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)
	Gas	mm(inch) 15.88 (5/8)	15.88 (5/8)	15.88 (5/8)

**Outdoor Unit**

		UU18WH UED	UU21WH U4D	UU24WH U4D
Compressor	Type	Rotary	Rotary	Rotary
Refrigerant Charge	Charge	g(oz) 1,500(52.91)	2,200(77.6)	2,200(77.6)
	Type	R410A	R410A	R410A
Fan	Discharge	Side/Top Side Discharge	Side Discharge	Side Discharge
Noise Level	Sound Press,1m	dB(A)±3 52 / 46	52 / 46	52 / 46
Dimensions	W*H*D	mm(inch) 870*808*320 (34.3*31.8*12.6)	950*834*330(37.4*31.8*12.6)	950*808*320(37.4*31.8*12.6)
Net Weight	Outdoor	kg(lbs) 52(115)	60(132)	60(132)
Piping connection	Liquid	mm(inch) 6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch) 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
Interunit Cable(Includes earth)	No.*mm²	4 x 0.75	4 x 0.75	4 x 0.75
Max. Piping Length/Elevation	m	40/30	50/30	50/30
Power Supply	ø,V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Running Current	Cooling/Heating	A 5.0/5.5	6.9/7.4	8.5/8.6
Air Circulation	CMM(CFM)	50(1766)	58(2048)	58(2048)
Additional Refrigerant Charge (Over 10.0m)	g/m	20	40	40

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



Outdoor



UU18WH UU21WH / UU24WH



# 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.



## 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

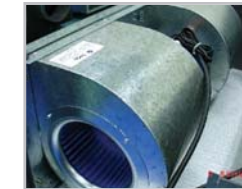
The Phase control motor Technology gives benefit of saving money to Installer. Desired Air flowrate is obtained by controlling the phase of motor while installing the product and this makes your duct work system flexible.

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

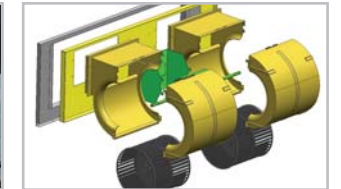


## Quiet Operation & Easy Service

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

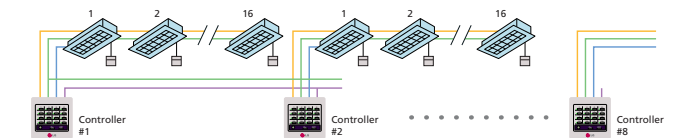


LG Fan and Housing

## Central Controller

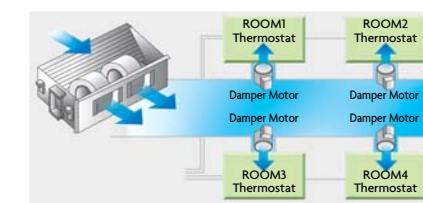
### Operation Summary

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.



## Zone Controller

This feature can be used to control the operation of the Air Conditioning Unit where each zone (maximum of 4 zones) has a separate thermostat and damper motor, your Air Conditioning Specialist can advise you if you require a VAV (Variable Air Volume) Installation in your home / office, as well as providing a quotation for Installation (including the supply of thermostats and damper motors).



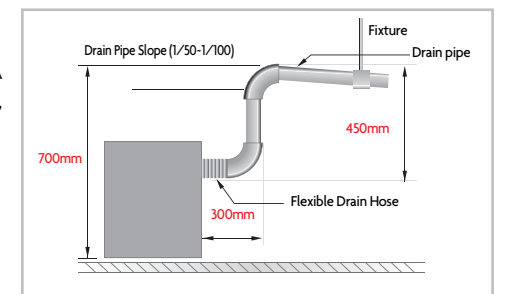
ABZCA

## 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)



## 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)

### Anti Corrosion Gold Fin

LG has an anti corrosive coating on the surface of the heat exchanger in the outdoor unit. The coating is designed to protect air conditioners from pollution and corrosive conditions and assists in the durability and longevity of the unit. This technology is a perfect solution for Australian outdoor conditions.

**Salt Spray Test for 15 Days**

After 15 Days: LG Gold Fin™ protected Aluminum → LG Gold Fin™ Corrosion Resistance

After 15 Days: Uncoated Aluminum → Conventional Starting to corrode

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

### 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



### Group Control

This enables you to link several products together that can then be controlled by one control device. A connecting line is linked to each of the indoor units to enable communication. This control device can be used to control up to 16 indoor units

### Child Lock Function

This function prevents little hands from tampering with the control buttons on the unit. All the buttons on the indoor display panel will be blocked, so the unit can then only be controlled by the remote controller.

## Large Capacity Type (Big Duct)

### Less Noise

The product has considerably less noise level by changing from pulley method of the blower and the motor to the direct-drive method.

75dB Conventional (Pulley) → 53dB New (Direct Drive)

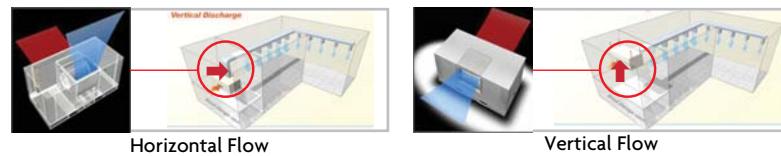
### Convenience in Installation

#### ESP control facilitated

You can always control the air flow rate with the wired remote controller regardless of the ESP.

#### Convertible Flow

You can adjust the air flow either vertically or horizontally depending on the characteristics of the space where it's installed.



### High Efficiency

The device, which has high efficiency and less noise due to the variable technology used, can be run by motor-generated electricity.

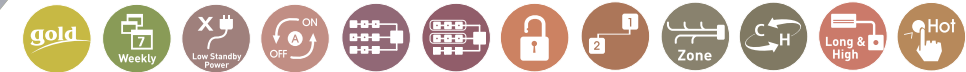
- High efficiency, less noise, low energy intake, fresh air intake
- An invertible fan motor has been installed.
- The air volume can be controlled by the wired remote controller.(0-20mmAq)



## DC INVERTER

### Ceiling Concealed Duct

**UB18 / UB24 / UB30**  
**UB36 / UB42 / UB48 / UB60**



#### Indoor Unit

			UB18 NHD	UB24 NHD	UB30 NGD	UB36 NGD	UB42 NRD	UB48 NRD	UB60 NRD
Nominal Capacity (Min-Rating-Max)	Cooling	Btu/h	6,756-16,890-18,562	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
		kw	1.98-4.95-5.44	2.84-7.1-7.81	3.2-8.0-8.8	4.0-9.8-11.0	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	2.4-6.0-6.6	3.2-8.0-8.8	3.6-9.0-9.9	4.48-11.2-12.3	5.6-14.0-15.4	6.6-16.4-18.2	6.8-16.8-18.7
Nominal Input (Rating)	Cooling	kw	1.54	2.62	2.65	3.51	4.15	4.65	5.26
	Heating	kw	1.66	2.75	2.49	3.49	3.73	4.54	4.57
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	3.21	2.71	3.01	3.01	3.01	3.01	2.81
COP	Heating	kw/kw	3.61	2.91	3.61	3.41	3.75	3.61	3.67
Operational Temperature Range	Cooling	°C	-10 - 43	-10 - 43	-10 - 43	-10 - 43	-10 - 43	-10 - 43	-10 - 43
	Heating	°C	-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	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

#### Outdoor Unit

			UU18W UED	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)	1300	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*590(37.4*54.3*23.2)	950*1380*590(37.4*54.3*23.2)	950*1380*590(37.4*54.3*23.2)
Net Weight	Outdoor	kg(lbs)	46	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	40/30	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	7.01/7.42	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 (Over 7.5m)		g/m	20	35	35	50	40	40	40

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



#### Outdoor



Ceiling Concealed Duct

UT36 / UT42 / UT48 / UT60



Indoor Unit

		UB36 NGD		UB42 NRD		UB48 NRD		UB60 NRD	
Nominal Capacity (Min-Rating-Max)	Cooling	Btu/h	13,640-34,100-37,500	17,060-42,650-46,910	19,100-47,770-52,540	20,200-50,500-55,550			
		kw	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	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	4.48-11.2-12.3	5.6-14.0-15.4	6.6-16.7-18.2	6.8-17.0-18.7			
Nominal Input (Rating)	Cooling	kw	3.51	4.15	4.65	5.26			
	Heating	kw	3.49	3.82	4.57	4.70			
Running Current	Cooling / Heating	A	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			
EER	Cooling	kw/kw	2.85	3.01	3.01	2.81			
COP	Heating	kw/kw	3.21	3.66	3.61	3.61			
Operational Temperature Range	Cooling	°C	-10 - 43	-10 - 43	-10 - 43	-10 - 43			
	Heating	°C	-15 - 24	-15 - 24	-15 - 24	-15 - 24			
Air Flow Rate (H/M/L)		CMM	32 / 29 / 26	36 / 32 / 38	40 / 35 / 30	50 / 45 / 40			
		CFM	1130 / 1024 / 918	1260 / 1120 / 980	1413 / 1236 / 1059	1766 / 1413 / 1236			
Sound Level (H/M/L)		dB(A)±3	42 / 39 / 36	42 / 40 / 38	44 / 42 / 40	46 / 44 / 42			
Dehumidification Rate		l/h	4.0	5.0	6.0	6.5			
Dimensions (WxHxD)	Body	mm(inch)	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	kg(lbs)	38(84)	60(132)	60(132)	62(137)			
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)			
Drain(OD/ID)		mm	32/25	32/25	32/25	32/25			

Outdoor Unit

		UU37W UED		UU43W U3D		UU49W U3D		UU61W U3D	
Compressor	Type	Rotary		Rotary		Rotary		Rotary	
Refrigerant Charge	Charge	2500(88)		3600(127)		3600(127)		3600(127)	
	Type	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		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)	
Net Weight	Outdoor	kg(lbs)		80(176)		103(227)		103(227)	
Piping connection	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	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	75/30		75/30		75/30		75/30	
Power Supply	ø,V, Hz	3,380-415, 50		3,380-415, 50		3,380-415, 50		3,380-415, 50	
Running Current	Cooling/Heating	A		5.3/4.3		4.09/4.28		4.98/5.23	
Air Circulation		CMM(CFM)		32(1130) x 2		55(1942) x 2		55(1942) x 2	
Additional Refrigerant Charge (Over 7.5m)		g/m		45		40		40	

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

Outdoor



Ceiling Concealed Duct

UB18 / UB24 / UB30  
UB36 / UB48 / UB60



Indoor Unit

		UB18 NHD		UB24 NHD		UB30 NGD		UB36 NGD		UB48 NRD		UB60 NRD	
Nominal Capacity (Rated)	Cooling	Btu/h	16,890	22,179	27,300	34,100	46,700	50,800					
		kw	4.95	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	1.96	2.49	3.60	4.00	5.84	6.30					
	Heating	kw	2.18	2.60	3.20	3.60	5.20	5.00					
Running Current	Cooling / Heating	A	0.92	0.92	1.34	1.42	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					
EER	Cooling	kw/kw	2.53	2.61	2.22	2.50	2.35	2.37					
COP	Heating	kw/kw	2.66	2.85	2.81	3.06	3.08	3.50					
Operational Temperature Range	Cooling	°C	-5 - 43	-5 - 43	-5 - 43	-5 - 43	-5 - 43	-5 - 43					
	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	1.59	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	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					

Outdoor Unit

		UU18 UED		UU24 UED		UU30 UED		UU37 UED		UU48 U3D		UU60 U3D	
Compressor	Type	Rotary		Rotary		Rotary		Scroll		Scroll		Scroll	
Refrigerant Charge	Charge	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	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level	Sound Press,1m	dB(A)±3		52		52		53		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*1060*320(41.7*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)	
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)	
	Gas	mm(inch)		12.7 (1/2)		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		3x2.5		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		50/30		50/30		50/30		50/30		40/30	
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		8.83/6.54		11.4/12.6		17.2/16.3		7.5/7.7		6.9/6.7	
Air Circulation		CMM(CFM)		53(1872)		53(1872)		53(1872)		32(1130)*2		55(1942)*2	
Additional Refrigerant Charge (Over 7.5m)		g/m		35		45		45		50		50	

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

Outdoor



Ceiling Concealed Duct **Big Duct Model**

**B120AH**



**B120AH svo**

Capacity	Cooling	Btu/h	112,000
		W	32,825
	Heating	Btu/h	130,000
		W	38,100
Input	Cooling	W	14,500
		Heating	W
Running Current	Cooling/Heating	A	24/21
Power Supply		ø,V, Hz	3,380-415,50
E.E.R	Cooling	W/W	2.26
C.O.P	Heating	W/W	3.05
Operational Temperature	Cooling	°C	-5 - 43
Range(Outdoor)	Heating	°C	-10 - 24
Dehumidification Rate		L/h	10.0
External Static Pressure(max)		mmAq(inAq)	20 (0.79)
Air Flow Rate(H/M/L)	Indoor	CMM(CFM)	105/97/90 (3,708/3,426/3,179)
Net Weight	Indoor	kg(lbs)	130(287)
Noise Level(Sound Press, 1m)	Indoor	dB(A)±3	53
Dimensions (W*H*D)	Indoor	mm	1,600x720x800
Refrigerant Charge(at 7.5m)		g(oz), type	8,000(282.2), R410A
Compressor		Type	Scroll
Outdoor Fan	Discharge	Side/Top	Top Discharge
Noise Level (Sound Press, 1m)	Outdoor	dB(A)±3	65
Pipe Connection	Liquid	inch(mm)	5/8(15.88)
	Gas	inch(mm)	1 1/8 (28.58)
Dimensions (W*H*D)	Outdoor	inch(mm)	50.4x59.8x28.7(1,280x1,520x730)
Net Weight	Outdoor	kg(lbs)	300(661)
Power Supply Cable		No.*mm <sup>2</sup>	5*8.5
Interunit Cable		No.*mm <sup>2</sup>	2*1.25
Max length/Elevation		m	50/30

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

Outdoor



UW120



Ceiling Concealed Duct



# 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

LG's Outdoor Heat Exchanger is coated with a golden anti-corrosive epoxy treatment on the aluminum coil to minimized corrosion.

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



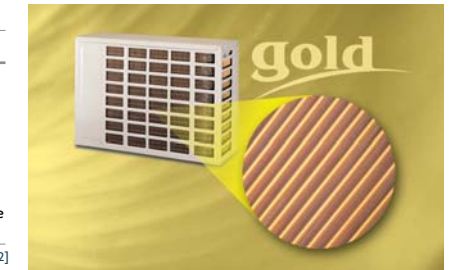
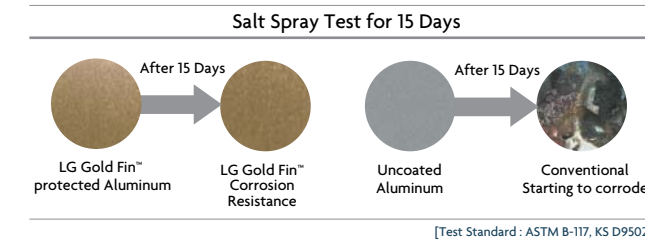
•1350x650x220 (UV36)



•1750x650x220 (UV42/UV48/UV60)

## Anti Corrosion Gold Fin

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.

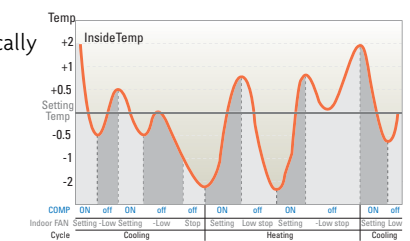


Ceiling & Floor Ceiling Suspended

## 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



## Upgraded Function

- One Touch Filter & Filter Cleaning Alarm Function
- Power Wind Mode
- Wired Remote Controller (Option)
  - 2 thermister control
  - Weekly Program
  - Group control. etc

UV18-UV60 (PVRCUSZ0)



## New Wired Remote Controller (Option)

The wired remote controller with a large wide LCD screen featuring large font letters and a 4-direction key control enables the user more convenient control of operational conditions of the indoor unit.

UV09, UV12 (PQRCUSA0)

- Big Font to see even from a distance
- Large wide LCD for easy check
- Easy installation
- 2 thermister control

## Airflow Direction Control

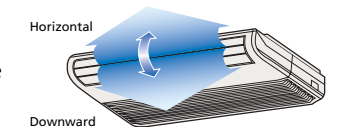
**Horizontal Airflow Direction Control.**

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

UV09 / UV12 / UV18 / UV24 / UV30



Indoor Unit

		UV09 NED	UV12 NED	UV18 NBD	UV24 NBD	UV30 NBD
Nominal Capacity (Min-Rating-Max)	Cooling	Btu/h 3,410 - 8,530 - 9,380 kw 1.0 - 2.5 - 2.75	4,504 - 11,260 - 12,386 1.32 - 3.3 - 3.63	6,6510 - 16,378 - 18,016 1.92 - 4.8 - 5.28	9,553 - 23,884 - 26,272 2.8 - 7.0 - 7.7	10,373 - 25,932 - 28,525 3.04 - 7.6 - 8.36
	Heating	Btu/h 4,090 - 10,240 - 11,260 kw 1.2 - 3.0 - 3.3	5,186 - 12,966 - 14,262 1.52 - 3.8 - 4.18	6,960 - 17,401 - 19,142 2.04 - 5.1 - 5.61	10,509 - 26,274 - 28,901 3.08 - 7.7 - 8.47	11,464 - 28,662 - 31,528 3.36 - 8.4 - 9.24
Nominal Input	Cooling	kw 0.75	1.09	1.49	2.3	2.68
	Heating	kw 0.83	1.18	1.49	2.74	2.99
Running Current	Cooling / Heating	A 0.13	0.13	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	1 / 220 - 240 / 50
EER	Cooling	kw/kw 3.33	3.03	3.22	3.04	2.84
	Heating	kw/kw 3.61	3.22	3.42	2.81	2.81
Operational Temperature Range(Indoor)	Cooling	°C -10 - 43	-10 - 43	-10 - 43	-10 - 43	-10 - 43
	Heating	°C -15 - 24	-15 - 24	-15 - 24	-15 - 24	-15 - 24
Air Flow Rate (H/M/L)		CMM 7.6 / 6.9 / 6.2 CFM 268 / 244 / 219	9.2 / 7.6 / 6.59 325 / 268 / 244	13.5 / 12 / 11 437 / 424 / 388	15 / 13.5 / 12 530 / 477 / 424	18 / 16 / 14 636 / 564 / 494
	Sound Level (H/M/L)	dB(A)±3 38 / 35 / 32	40 / 36 / 31	43 / 40 / 37	45 / 42 / 39	45 / 42 / 39
Dehumidification Rate		L/h 1.2	1.2	2.3	3.2	3.5
Dimensions (WxHxD)	Body	mm(inch) 900*200*490(35.4*7.9*19.3)	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	kg(lbs) 13.7(30.2)	13.7(30.2)	30(66.1)	30(66.1)	30(66.1)
Piping Connections	Liquid	mm(inch) 6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch) 9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)

Outdoor Unit

		UU09W ULD	UU12W ULD	UU18W UED	UU24W UED	UU30W UED
Compressor	Type	Rotary	Rotary	e - Scroll	Rotary	Rotary
	Refrigerant Charge	Charge g(oz) 1000 (35.27) Type R410A	1000 (35.27) R410A	1300 R410A	2000(70.6) R410A	2000(70.6) R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Noise Level(H/L)	Sound Press,Im	dB(A)±3 48 / 42	48 / 42	51 / 45	52 / 46	52 / 46
Dimensions	W*H*D	mm(inch) 770*540*245 (30.3*21.3*9.9)	770*540*245 (30.3*21.3*9.9)	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) 32(71)	32(71)	46(101)	60(132)	60(132)
Piping connection	Liquid	mm(inch) 6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch) 9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)
Power Supply Cable(Includes earth)	No.*mm <sup>2</sup>	3 x 1.5	3 x 2.5	3 x 2.5	3 x 2.5	3 x 2.5
Interunit Cable(Includes earth)	No.*mm <sup>2</sup>	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	15/10	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	1, 220-240, 50
Running Current	Cooling/Heating	A 3.58 / 3.85	5.25 / 5.41	6.69 / 7.0	10.0 / 10.7	12.0 / 13.0
Air Circulation		CMM(CFM) 50(1766)	50(1766)	58(2048)	58(2048)	58(2048)
Additional Refrigerant Charge (Over 7.5m)	g/m	20	20	25	35	35

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

Outdoor



Ceiling Suspended

UV36 / UV42 / UV48 / UV60



Indoor Unit

		UV36 NKD	UV42 NLD	UV48 NLD	UV60 NLD
Nominal Capacity (Min-Rating-Max)	Cooling	Btu/h 12960 - 32400 - 35640 kw 3.8 - 9.5 - 10.5	17060 - 42650 - 46915 5.0 - 12.5 - 13.8	18160 - 45400 - 49940 5.32 - 13.3 - 14.6	19520 - 48800 - 53680 5.72 - 14.4 - 15.7
	Heating	Btu/h 14320 - 35800 - 39380 kw 4.2 - 10.5 - 11.6	19108 - 47770 - 52547 5.6 - 13.6 - 15.4	21840 - 54600 - 60060 6.4 - 15.3 - 17.6	23200 - 58000 - 63800 6.8 - 16.8 - 18.7
Nominal Input	Cooling	kw 3.32	4.00	4.41	5.30
	Heating	kw 3.27	3.98	4.76	5.50
Running Current	Cooling / Heating	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	Cooling	kw/kw 2.86	3.12	3.01	2.71
	Heating	kw/kw 3.21	3.41	3.21	3.05
Operational Temperature Range	Cooling	°C -10 - 43	-10 - 43	-10 - 43	-10 - 43
	Heating	°C -15 - 24	-15 - 24	-15 - 24	-15 - 24
Air Flow Rate (H/M/L)		CMM 29 / 27 / 24 CFM 1023 / 953 / 847	32 / 30 / 28 1136 / 1059 / 989	36 / 34 / 32 1271 / 1207 / 1136	38 / 36 / 34 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(68.9*24.8*8.66)	1750*630*220(68.9*24.8*8.66)	1750*630*220(68.9*24.8*8.66)
	Weight	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)

Outdoor Unit

		UU36W UED	UU42W U3D	UU48W U3D	UU60W U3D
Compressor	Type	Rotary	Rotary	Rotary	Rotary
	Refrigerant Charge	Charge g(oz) 2500(88.2) Type R410A	3600(127) R410A	3600(127) R410A	3600(127) R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge
Noise Level(H/L)	Sound Press,Im	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 connection	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.*mm <sup>2</sup>	3 x 2.5	3 x 3.5	3 x 3.5	3 x 3.5
Interunit Cable(Includes earth)	No.*mm <sup>2</sup>	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 (Over 7.5m)	g/m	50	40	40	40

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

Outdoor



Ceiling & Floor  
Ceiling Suspended



Ceiling Suspended

UV36 / UV42 / UV48 / UV60



Indoor Unit

		UV36 NKD		UV42 NLD		UV48 NLD		UV60 NLD	
Nominal Capacity (Min-Rating-Max)	Cooling	Btu/h	12960 - 32400 - 35640	17060 - 42650 - 46915	18160 - 45400 - 49940	19520 - 48800 - 53680			
	Heating	Btu/h	14320 - 35800 - 39380	19108 - 47770 - 52547	21840 - 54600 - 60060	23200 - 58000 - 63800			
Nominal Input	Cooling	kw	3.32	4.15	4.48	5.40			
	Heating	kw	3.27	4.01	4.76	5.60			
Running Current	Cooling/Heating	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	Cooling	kw/kw	2.86	3.01	3.01	2.66			
COP	Heating	kw/kw	3.21	3.41	3.21	3.00			
Operational Temperature Range	Cooling	°C	-10 - 43	-10 - 43	-10 - 43	-10 - 43			
	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(68.9*24.8*8.66)	1750*630*220(68.9*24.8*8.66)	1750*630*220(68.9*24.8*8.66)			
	Weight	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)			

Outdoor Unit

		UU37W UED		UU43W U3D		UU49W U3D		UU61W U3D	
Compressor	Type		Rotary		Rotary		Rotary		Rotary
Refrigerant Charge	Charge	g(oz)	2500(88)	3600(127)	3600(127)	3600(127)	3600(127)		
	Type		R410A	R410A	R410A	R410A	R410A		
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge		
Noise Level(H/L)	Sound Press.1m	dB(A)±3	54/50	55/51	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)	80(176)	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)			
	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.*mm <sup>2</sup>		3 x 2.5	3 x 3.5	3 x 3.5	3 x 3.5			
Interunit Cable(Includes earth)	No.*mm <sup>2</sup>		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	e.V, Hz		3,380-415, 50	3,380-415, 50	3,380-415, 50	3,380-415, 50			
Running Current	Cooling/Heating	A	5.3/4.3	4.09/4.28	4.98/5.23	5.91/5.79			
Air Circulation	CMM(CFM)		32(1130) X 2	55(1942) X 2	55(1942) X 2	55(1942) X 2			
Additional Refrigerant Charge (Over 7.5m)	g/m		45	40	40	40			

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

Outdoor



Ceiling & Floor

UV12 / UV18 / UV24 / UV30



Indoor Unit

		UV12 NED		UV18 NBD		UV24 NBD		UV30 NBD	
Nominal Capacity (Rated)	Cooling	Btu/h	11,157	15,184	22,179	26,600			
	Heating	Btu/h	12,795	18,425	24,909	30,000			
Nominal Input (Rated)	Cooling	kw	3.27	4.45	6.5	7.80			
	Heating	kw	3.75	5.4	7.3	8.80			
Running Current	Cooling/Heating	A	1.3	2.00	2.60	3.65			
Power Supply		Ø/V/Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50			
EER	Cooling	W/W	2.52	2.42	2.61	2.21			
COP	Heating	W/W	2.84	2.70	2.81	2.41			
Operational Temperature Range	Cooling	°C	-5 - 43	-5 - 43	-5 - 43	-5 - 43			
	Heating	°C	-10 - 24	-10 - 24	-10 - 24	-10 - 24			
Air Flow Rate (H/M/L)		CMM	9.2 / 7.6 / 6.9	13.5 / 12 / 11	15 / 13.5 / 12	18 / 16 / 14			
		CFM	325 / 268 / 244	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	1.42	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	kg(lbs)	13.7(30.2)	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)			

Outdoor Unit

		UU12 ULD		UU18 UED		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.*mm <sup>2</sup>		3x2.5	3x2.5	3x2.5	3x3.5			
Interunit Cable(Includes earth)	No.*mm <sup>2</sup>		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	5.84/5.92	8.16/8.91	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			

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

Outdoor



Ceiling & Floor  
Ceiling Suspended

Ceiling Suspended

UV36 / UV48 / UV60



Indoor Unit

		UV36 NLD		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	51,182	58,000			
	kw	11.0	15.00	17.00			
Nominal Input (Rated)	Cooling	kw	3.72	5.30	5.90		
	Heating	kw	3.78	5.00	5.80		
Running Current		A	0.97	0.67*2			
Power Supply		Ø/V/Hz	1 / 220 -240 / 50	1 / 220 -240 / 50	1 / 220 -240 / 50		
EER		W/W	2.69	2.49	2.42		
COP		W/W	2.91	3.00	2.93		
Operational Temperature Range	Cooling	°C	-5 - 43	-5 - 43	-5 - 43		
	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)		
	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)		

Outdoor Unit

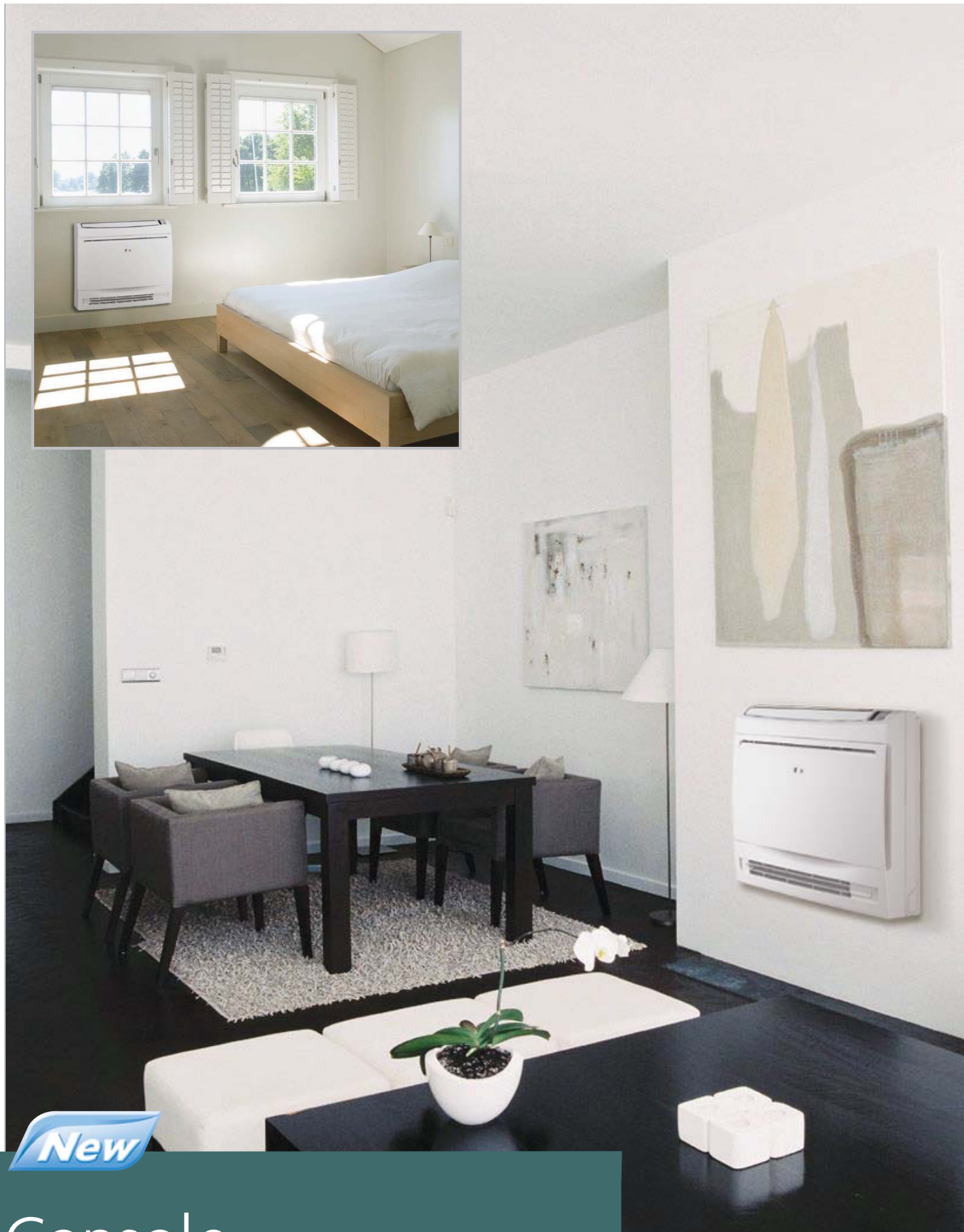
		UU37 UED		UU48 U3D		UU60 U3D	
Compressor	Type	Scroll		Scroll		Scroll	
	Charge*	g(oz)		2450(86.4)		3300(116.4)	
Refrigerant Charge	Type	R410A		R410A		R410A	
	Discharge	Side/Top		Side Discharge		Side Discharge	
Noise Level(H/L)	Sound Press,1m	dB(A)±3		52		55	
Dimensions	W*H*D	mm (inch)		870*1060*320 (34.2*41.7*12.6)		950*1380*330(37.4*54.3*13.0)	
Net Weight	Outdoor	kg(lbs)		85(187)		105(231)	
Piping connections	Liquid	mm (inch)		9.52 (3/8)		9.52 (3/8)	
	Gas	mm (inch)		15.88 (5/8)		15.88 (5/8)	
Power Supply Cable(Includes earth)		No.*mm2		4x2.5		4x2.5	
Interunit Cable(Includes earth)		No.*mm2		4x0.75		4x0.75	
Max. Piping Length/Elevation		m		50/30		40/30	
Power Supply		Ø.V.Hz		3,380-415.50		3,380-415.50	
Running Current	Cooling/Heating	A		7.5/7.7		6.5/6.4	
Air Circulation		CMM(CFM)		32(130)*2		55(194)*2	
Additional Refrigerant Charge (Over 7.5m)		g/m		45		50	

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

Outdoor



Ceiling & Floor Ceiling Suspended



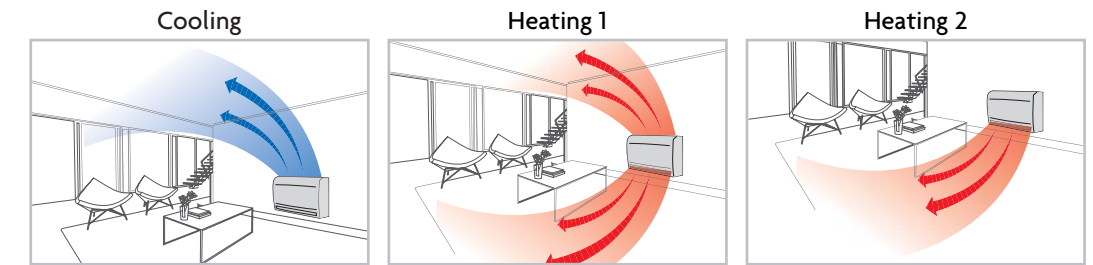
**New**  
**Console**

This unit has nice outlook and is equipped with many special features. With stylish design, exclusive air purifier function and ease of use, the LG console is the perfect fit for any space - whether at home, office, restaurant and light commercial application.

**Comfort Air Flow**

• **Different air flow of cooling & heating**

For cooling, the vane is adjusted upwards to let the cold air travel up. As for heating, the vane sends the heated air downwards to balance room temperature specially for floor.



• **Quick floor heating**

Console air conditioners can operate faster to provide more powerful performance. The result is to attain the desired temperature much faster in floor heating mode than conventional air conditioners.

	Company D	Company M	Electric Heater	LG	LG Floor Heating Mode
 Vertical Horizontal					
Lead Time for Heating (13°C → 21°C)	12 minutes 30 second	9 minutes 40 second	50 minutes	9 minutes 30 second	8 minutes 40 second
Average temp. (°C)	22.0[-1.0]	22.0[-1.0]	19.4[-3.6]	23.6[+0.6]	24.1[1.1]
Vertical temp. difference (°C)	1.4 [21.8-23.2]	1.3 [22.7-24.0]	4.9 [15.7-20.6]	1.3 [21.5-22.8]	0.3 [22.2-22.5]

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

• **EZ vane tap control**



• **Quiet operation (22dB)**

The indoor unit has a quiet operational noise level in the sleep mode to offer calmness and comfort.



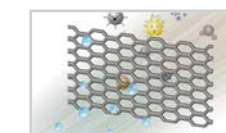
**Healthy Air (3 stage air filter system)**



**Separate air purifier function**



**1st Advanced pre filter :**  
The antibacterial pre-filter primarily reduces large dust, mould and quilt dust.



**2nd Allergy Filter :** Filter consists of enzyme that breaks down allergen, aptite, and organic/inorganic binder that attaches the enzyme to the filter. When the air passes the filter, allergen clings to the filter and like tiny pairs of scissors the enzymes cut allergen's protein to deactivate the allergen.



**3rd Nano Plasma Inon Generator :** The sterilized ion generating system, Ion Generator, emits around 1.2 million ions, and catches hazardous substances floating in the air, therefore proactively looking for and catching germs.

## LG Unique design

Console has been designed with the latest technologies to ensure optimum comfort.



- Full front panel
- 3 dimensional round design

## EZ Installation & SVC

• 6Way Pipe Installation  
It offers 6way pipe so that fit various installation places.

• Sliding-Type PCB at control box  
It can be installed different levels of user access which can be selected. It offers even air distribution using upper and lower air diffuser. It has light weight but robust design.



## Ez-Remote Controller

User Friendly & Modern Design and Easy use!!

- Comfortable to grab
- Sliding type
- Bigger size button
- Highlighted some buttons with different colors
- Easy to recognize functions with graphics



## Console

CQ09 / CQ12 / CQ18



### Indoor Unit

			CQ09 NAO	CQ12 NAO	CQ18 NAO
Nominal Capacity	Cooling	kw	13-25-34	136-3.5-3.74	2.0-4.8-5.5
	Heating	kw	1.36-3.4-4.2	1.6-4.0-4.4	2.2-5.5-6.05
Nominal Input (Rating)	Cooling	kw	0.57	1.06	1.56
	Heating	kw	0.79	1.08	1.61
Running Current	Cooling/Heating	A	0.14/0.15	0.14/0.14	0.18/0.20
Power Supply		Ø/V/Hz	1 / 220 -240 / 50	1 / 220 -240 / 50	1 / 220 -240 / 50
EER		kw/kw	4.4	3.3	3.08
COP		kw/kw	4.3	3.7	3.42
Motor Output		W	48	48	48
Air Flow Rate (H/M/L/L)	Cooling	CMM	8.5/6.7/5.0/4.0	9.0/6.9/5.2/4.8	11.0/9.5/8.0/6.5
	Heating	CMM	9.0/7.0/5.2/4.1	9.6/7.5/5.5/5.0	12.0/10.4/8.7/6.8
Sound Level (H/M/L/LL)	Cooling	dB(A)±3	38/32/27/22	39/32/27/23	44/39/35/32
Dimensions (WxHxD)		mm	700*600*210	700*600*210	700*600*210
	Packing	mm	696*786*286	696*786*286	696*786*286
	Wall Hall(W*H)	mm	585*670	585*670	585*670
Weight	Weight	kg	13.8	13.8	13.8
	Gross Weight	kg	16	16	16
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)

### Outdoor Unit

			UU09W ULD	UU12W ULD	UU18W UED
Compressor	Type		Rotary	Rotary	e - Scroll
Refrigerant Charge	Charge*	g(oz)	1000 (35.27)	1000 (35.27)	1300(45.86)
	Type		R410A	R410A	R410A
Fan	Discharge	Side/Top	Side Discharge	Side Discharge	Side Discharge
Noise Level(H/L)	Sound Press.1m	dB(A)±3	48 /42	48 /45	51 /45
Dimensions	W*H*D	mm (inch)	770*540*245 (30.3*21.3*9.9)	770*540*245 (30.3*21.3*9.9)	870*655*320 (34.3*25.8*12.6)
Net Weight	Outdoor	kg(lbs)	32(7)	32(7)	46(10)
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)
Power Supply Cable(Includes earth)		No.*mm <sup>2</sup>	3 x 1.5	3 x 1.5	3 x 2.5
Interunit Cable(Includes earth)		No.*mm <sup>2</sup>	4 x 0.75	4 x 0.75	4 x 0.75
Max. Piping Length/Elevation		m	15/10	15/10	40/30
Power Supply		Ø,V,Hz	1,220-240,50	1,220-240,50	1,220-240,50
Running Current	Cooling/Heating	A	4.0/4.1	5.0/5.1	7.2/7.8
Air Circulation		CMM	26	26	50
Additional Refrigerant Charge (Over 7.5m)		g/m	20	20	25

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



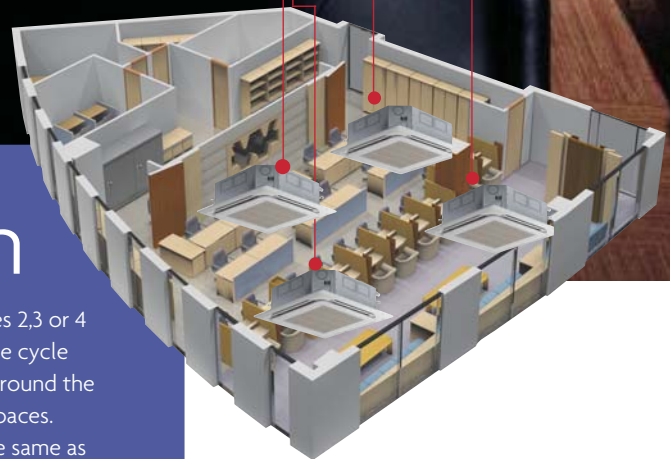
### Outdoor





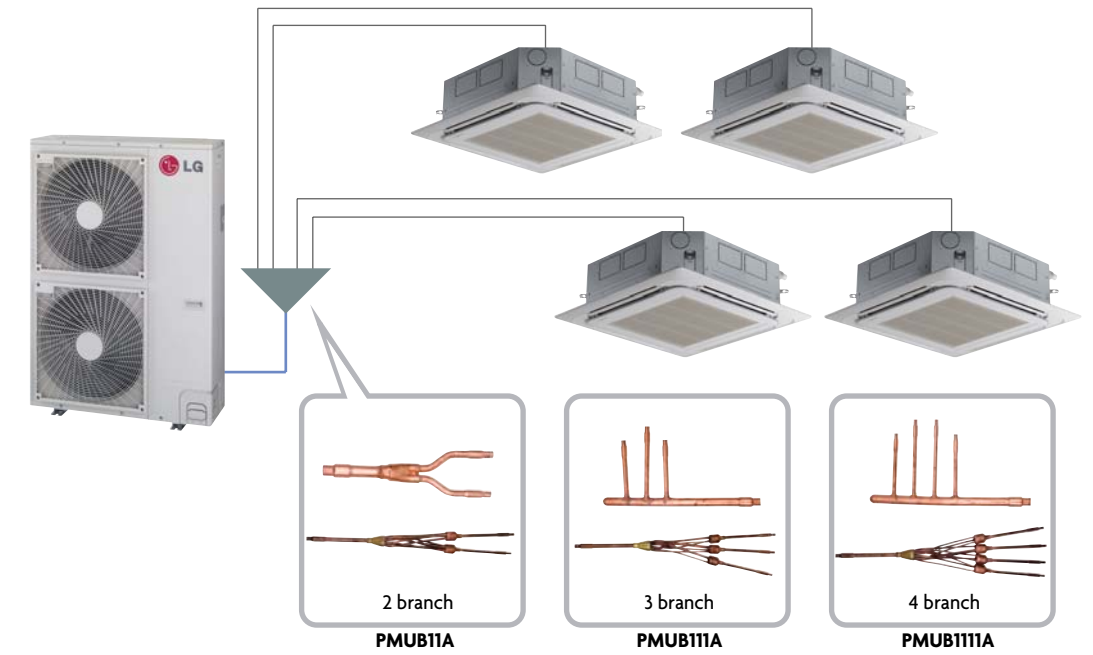
# Synchro operation

It offers very useful solution to customer with reasonable prices. It uses 2,3 or 4 indoor units with one outdoor unit. Each indoor units are running as one cycle with same mode(cooling or heating). It helps same air distribution all around the middle or larger room(office or open places) even in irregular shaped spaces. The total capacity based on outdoor unit for Synchro operation are the same as for the fixed combinations.



## Synchro

- Simultaneously On/Off (1 Cycle)
- Connectable up to 4 indoor units
- Only using simple branch piping
- DC Inverter : 12.5/14.0/15.0 kW
- 3Phase DC Inverter : 12.5/14.0/15.0 kW



- High Efficiency & Low Noise
- Choice of various indoor type





Synchro Outdoor

UU42W / UU48W / UU60W



Outdoor Unit

		UU42W U3D	UU48W U3D	UU60W U3D
Nominal Capacity (Min-Rated-Max)	Cooling	*Synchro application (simultaneous operation). Refer to combination table. *		
	Heating	*Synchro application (simultaneous operation). Refer to combination table. *		
Nominal Input (Min-Rated-Max)	Cooling	*Synchro application (simultaneous operation). Refer to combination table. *		
	Heating	*Synchro application (simultaneous operation). Refer to combination table. *		
Running Current	Cooling/Heating	A	A	A
Power supply	ø,V,Hz	1,220-240, 50	1,220-240, 50	1,220-240, 50
Dimensions	W*H*D	mm(inch)	mm(inch)	mm(inch)
Net Weight	Outdoor	kg(lbs)	kg(lbs)	kg(lbs)
Refrigerant	Charge*	g(oz)	g(oz)	g(oz)
Air Circulation	CMM(CFM)	55(1942) X 2	55(1942) X 2	55(1942) X 2
Noise Level(H/L)	Sound Press,1m	dB(A)±3	dB(A)±3	dB(A)±3
SVC Valve	Liquid	mm (inch)	mm (inch)	mm (inch)
Gas	mm (inch)	mm (inch)	mm (inch)	mm (inch)
Max. Interunit Piping Length	Total Piping(Main+Total Branch)	m	m	m
Max. Installation Height Difference	Indoor Unit-Outdoor Unit	m	m	m
	Indoor Unit-Indoor Unit	m	m	m
	Indoor Unit-Indoor Unit	m	m	m
	Indoor Unit-Indoor Unit	m	m	m

Indoor Unit

		UT12/UT18/UV18/UB18 N°C UT24/UT30/UV24/UV30/UB24/UB30 N*D
Nominal Capacity (Min-Rating-Max)	Cooling	Btu/h
	Heating	Btu/hr
Nominal Input (Min-Rating-Max)	Cooling	W
	Heating	W
E.E.R		W/W
C.O.P		W/W
Operational Temperature Range(Outdoor)	Cooling	°C
	Heating	°C

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



Synchro Outdoor

UU43W / UU49W / UU61W



Outdoor Unit

		UU43W U3D	UU49W U3D	UU61W U3D
Nominal Capacity (Min-Rated-Max)	Cooling	*Synchro application (simultaneous operation). Refer to combination table. *		
	Heating	*Synchro application (simultaneous operation). Refer to combination table. *		
Nominal Input (Min-Rated-Max)	Cooling	*Synchro application (simultaneous operation). Refer to combination table. *		
	Heating	*Synchro application (simultaneous operation). Refer to combination table. *		
Running Current	Cooling/Heating	A	A	A
Power supply	ø,V,Hz	3,380-415, 50	3,380-415, 50	3,380-415, 50
Dimensions	W*H*D	mm(inch)	mm(inch)	mm(inch)
Net Weight	Outdoor	kg(lbs)	kg(lbs)	kg(lbs)
Refrigerant	Charge*	g(oz)	g(oz)	g(oz)
Air Circulation	CMM(CFM)	55(1942) X 2	55(1942) X 2	55(1942) X 2
Noise Level(H/L)	Sound Press,1m	dB(A)±3	dB(A)±3	dB(A)±3
SVC Valve	Liquid	mm (inch)	mm (inch)	mm (inch)
Gas	mm (inch)	mm (inch)	mm (inch)	mm (inch)
Max. Interunit Piping Length	Total Piping(Main+Total Branch)	m	m	m
Max. Installation Height Difference	Indoor Unit-Outdoor Unit	m	m	m
	Indoor Unit-Indoor Unit	m	m	m
	Indoor Unit-Indoor Unit	m	m	m
	Indoor Unit-Indoor Unit	m	m	m

Indoor Unit

		UT12/UT18/UV18/UB18 N°C UT24/UT30/UV24/UV30/UB24/UB30 N*D
Nominal Capacity (Min-Rating-Max)	Cooling	Btu/h
	Heating	Btu/hr
Nominal Input (Min-Rating-Max)	Cooling	W
	Heating	W
E.E.R		W/W
C.O.P		W/W
Operational Temperature Range(Outdoor)	Cooling	°C
	Heating	°C

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



# Combination Table

		Possible combination of indoor units								
		Installation scene								
		Duo			Trio			Quartet		
IDU : INDOOR UNIT ODU : OUT DOOR INUT BD : BRANCH DISTRIBUTOR UNIT REMO : WIRED REMOTE CONTROLLER										
OUTDOOR UNITS	Capacity (kW)	Cassette	Duct	Ceiling & Floor	Cassette	Duct	Ceiling & Floor	Cassette	Duct	Ceiling & Floor
UU42W U3D UU43W U3D	Cooling 12.5 Heating 14.0	UT24 NPD *2	UB24 NHD *2	UV24 NBD *2	UT18 NQD *3	UB18 NHD *3	UV18 NBD *3	UT12 NRD *4	-	-
UU48W U3D UU49W U3D	Cooling 14.0 Heating 16.0	UT24 NPD *2	UB24 NHD *2	UV24 NBD *2	UT18 NQD *3	UB18 NHD *3	UV18 NBD *3	UT12 NRD *4	-	-
UU60W U3D UU61W U3D	Cooling 15.0 Heating 17.0	UT30 NPD *2	UB30 NGD *2	UV30 NBD *2	UT18 NQD *3	UB18 NHD *3	UV18 NBD *3	UT12 NRD *4	-	-
Applied Accessories	Wired remote controller*	PVRCUSZO			PVRCUSZO					
	BD unit	PMUB11A			PMUB11A			PMUB111A		
	Simple central controller** Function controller**				PQCSB101S0 PQCSCI01S0					

\* When install ceiling and floor type synchro combinations, You must use wired remote controller "PVRCUSZO"

\* In case of cassette or duct type synchro combinations, You can use only one wired remote controller included in the indoor units.

\*\* When using synchro operation,

- Do not use wireless remote controller.

- Use only one wired remote controller in the indoor units.

- Use central controller and function controller "PQCSB101S0 & PQCSCI01S0" only.



## Installation Information

### 1. Piping Connections

Model Indoor		UT12 NRD	UT18 NQD	UT24 NPD	UT30 NPD	-	-	-
Cassette								
Duct		-	UB18 NHD	UB24 NHD	UB30 NGD	-	-	-
Ceiling & Floor		-	UV18 NBD	UV24 NBD	UV30 NBD	-	-	-
Model Outdoor						UU42W U3D	UU48W U3D	UU60W U3D
1ø Inverter		-	-	-	-			
3ø Inverter		-	-	-	-	UU43W U3D	UU49W U3D	UU61W U3D
Liquid	øInch [mm]	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Gas	øInch [mm]	3/8 (9.52)	1/2 (12.7)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)

### 2. Power Supply

Model Outdoor	1ø Inverter	UU42W U3D	UU48W U3D	UU60W U3D
Power Supply	ø, Voltage	1, 220-240	1, 220-240	1, 220-240
Model Outdoor	3ø Inverter	UU43W U3D	UU49W U3D	UU61W U3D
Power Supply	ø, Voltage	3, 380-415	3, 380-415	3, 380-415

### 3. Additional Refrigerant Charge

Model Outdoor	1ø Inverter	UU42W U3D	UU48W U3D	UU60W U3D
Refrigerant Charge (g/m)		40	40	40
Model Outdoor	3ø Inverter	UU43W U3D	UU49W U3D	UU61W U3D
Refrigerant Charge (g/m)		40	40	40

### 4. Drain Pipe

Model Indoor	Cassette	UT12 NRD	UT18 NQD	UT24 NPD	UT30 NPD
Drain Pipe (*OD/ID)		32/25	32/25	32/25	32/25
Model Indoor	Duct		UB18 NHD	UB24 NHD	UB30 NGD
Drain Pipe (OD/ID)		-	32/25	32/25	32/25
Model Indoor	Ceiling & Floor		UV18 NBD	UV24 NBD	UV30 NBD
Drain Pipe (OD/ID)		-	26/20	26/20	26/20

\*OD: Out Diameter / ID: In Diameter

### Measurement Conditions

1. Capacities are based on the following conditions:
- Cooling:
    - Indoor Temperature 27°C DB /19°C WB
    - Outdoor Temperature 35°C DB / 24°C WB
  - Heating:
    - Indoor Temperature 20°C DB / 15°C WB
    - Outdoor Temperature 7°C DB / 6°C WB
  - Level Difference Within Zero.
  - No optional accessories (i.e. Plasma kit, elevation grille etc.)
  - With maximum air volume.

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

### Branch Pipe

Model	Indoor	Indoor Capacity Ratio(%)
PMUB11A	2 units	50:50 (1:1)
PMUB111A	3 units	33:33:33 (1:1:1)
PMUB1111A	4 units	25:25:25:25 (1:1:1:1)

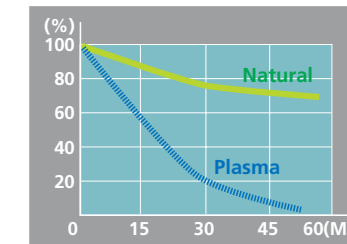


# Floor Standing

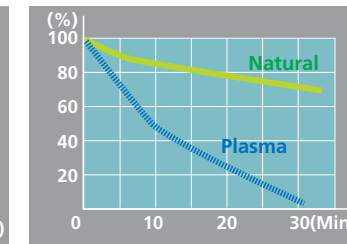
This is a floor standing type that blends in perfectly with the surrounding decoration. Clean and fresh air conditioning is ensured with a high level of cooling or heating performance and air purifying operation.

## PLASMA Air Purifying System

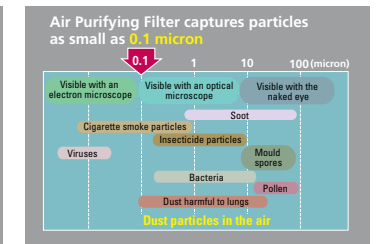
The PLASMA Air Purifying System within the air conditioner removes microscopic contaminants and dust to eliminate offensive odors and prevent allergic reactions. It can also be used as an air-purifying unit even though the air-cooling function is off.



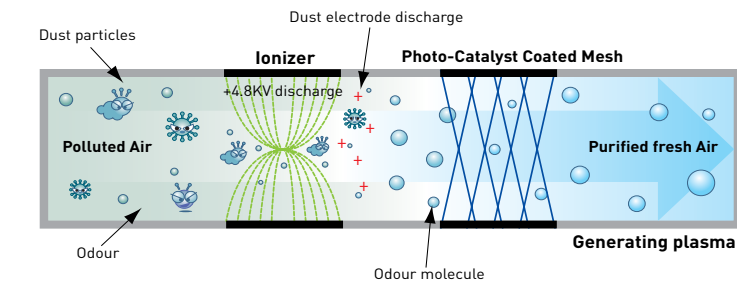
**Dust Reduction**  
Respirable particles from 5 cigarettes in a sealed room removed by LG Plasma Air Purifying System.



**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.



## 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 be blocked.
- The unit will be controlled only by remote controller.

## Touch Screen Panel



## 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.





Floor Standing

P03AH / P05AH



Indoor Unit			P03AH NR1	P05AH NT0
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	Electric Heater	W	2,000	4,000
	Cooling	W	2,800	5,300
	Heating	W	2,800	5,000
Running Current	Electric Heater	A	9.5	9.0
	Cooling	A	13	13
	Heating	A	13	13
Power Supply	Indoor Only	ø/V/Hz	1/220-240/50	1/220-240/50
	Electric Heater	ø/V/Hz	1/220-240/50	1/220-240/50
EER	Cooling	W/W	2.91	2.54
COP	Heating	W/W	2.91	2.81
Operational Temperature Range	Cooling	°C	-5~+48	-5~+48
	Heating	°C	-10~+24	-10~+24
Air Flow Rate(H/M/L)		CMM	19/16/13	30/28/26
		CFM	67/56/45	106/98/91
Sound Level(H/M/L)	Sound Press, 1m	dB(A)±3	50/45/40	53/51/48
Dehumidification Rate		L/h	3.3	6.0
Dimensions(W*H*D)	Body	mm(inch)	570*1820*317(22.4*71.7*12.5)	590*1,850*440(23.2*72.8*17.3)
Weight	Body	kg(lbs)	33 (73)	60 (132)
Piping Connections	Liquid	mm(inch)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	15.88 (5/8)	19.05 (3/4)

Outdoor Unit			P03AH UR1	P05AH UT0
Power Supply		ø/V/Hz	1/220-240/50	3/380-415/50
Refrigerant		Type	R410A	R410A
Fan	Discharge	Side/Top	Side Dischagre	Side Dischagre
Air Circulation		CMM	58	104
		CFM	2,048	3,673
Noise Level(H/L)	Sound Press, 1m	dB(A)±3	58	58
Dimensions	W*H*D	mm(inch)	870*800*320(34.3*31.5*12.6)	900*1160*370(35.4*45.7*14.6)
Net Weight	Outdoor	kg(lbs)	63 (139)	90 (198)
Piping Connections	Liquid	mm(inch)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	15.88 (5/8)	19.05 (3/4)
Piping Length(Maximum)		m	30	40
Interunit Level difference(Maximum)		m	20	25

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



Floor Standing

P03AH / P05AH



Indoor Unit			P08AH NFI
Capacity	Cooling	Btu/h	68,200
		W	20,000
	Heating	Btu/h	72,000
		W	21,100
Input	Electric Heater	W	10,000
	Cooling	W	7,000
	Heating	W	6,000
Running Current	Electric Heater	A	10,000
	Cooling	A	11.1
	Heating	A	10.0
Power Supply	Indoor Only	ø/V/Hz	1/220-240/50
	Electric Heater	ø/V/Hz	3/380-415/50
EER	Cooling	W/W	2.86
COP	Heating	W/W	3.52
Operational Temperature Range	Cooling	°C	-5~+48
	Heating	°C	-10~+24
Air Flow Rate(H/M/L)		CMM	57/-/48
		CFM	2,013/-/1,695
Sound Level(H/M/L)	Sound Press, 1m	dB(A)±3	62/-/59
Dehumidification Rate		L/h	8.1
Dimensions(W*H*D)	Body	mm(inch)	1,050*1,880*495(41.3*74.0*19.5)
Weight	Body	kg(lbs)	132 (291)
Piping Connections	Liquid	mm(inch)	9.52 (3/8)
	Gas	mm(inch)	19.05 (3/4)

Outdoor Unit			P08AH UFI
Power Supply		ø/V/Hz	3/380-415/50
Refrigerant		Type	R410A
Fan	Discharge	Side/Top	Side Dischagre
Air Circulation		CMM	135
		CFM	4,767
Noise Level(H/L)	Sound Press, 1m	dB(A)±3	63
Dimensions	W*H*D	mm(inch)	950*1,380*330(37.4*54.3*13.0)
Net Weight	Outdoor	kg(lbs)	113 (249)
Piping Connections	Liquid	mm(inch)	9.52 (3/8)
	Gas	mm(inch)	19.05 (3/4)
Piping Length(Maximum)		m	40
Interunit Level difference(Maximum)		m	25

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





# Multi Split System

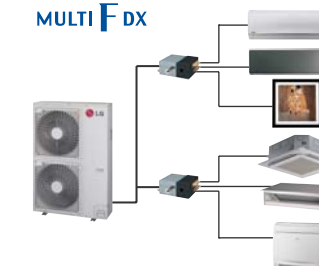
An LG Multi Split system is an advanced air conditioning system of superior quality that has the ability to operate at different temperatures and fan speeds in individual rooms. The multi split system can be made up of large indoor units for living areas and small indoor units for bedrooms, all operated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



## Why LG Multi Split 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 a wide range of indoor units available including the stylish ArtCool units, conventional split units as well as cassettes and ducted units.

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



### For Commercial Sites



1-way Ceiling Cassette Type



4-way Ceiling Cassette Type



Ceiling Concealed Duct Type (High Static)



Ceiling Concealed Duct Type (Slim Duct)



Ceiling & Floor Type



Console Type

### For Residential Sites



ART COOL Mirror



ART COOL Gallery



Wall Mounted Type



## Multi Split System

### Wide Range

LG Multi systems provide various indoor units and outdoor units up to 16.4kW. More than 2,000 types of combinations are available using 19 outdoor units and 38 indoor units

## MULTI F (Inverter)

(Based on Heat Pump)

Phase	Max Indoor Units	Feature	Capacity Range (kBtu/kW)							
			14/4.0	16/4.7	18/5.3	21/6.2	24/7.0	27/8.0	30/8.8	40/11.7
1ø, 220-240V	2		●	●						
	3				●	●				
	4						●	●		
	5								●	●

## MULTI F DX (Inverter+DB\*)

Phase	Max Indoor Units	Feature	Capacity Range (kBtu/kW)			
			36/10.5	40/11.7	48/14.0	56/16.4
1ø, 220-240V	7			●		
	8				●	
	9					●
Phase	Max Indoor Units		Capacity Range (kBtu/kW)			
3ø, 380-415V	6		●			
	7			●		
	8			●		
	9				●	

## MULTI M

Phase	Max Indoor Units	Feature	Capacity Range (kBtu/kW)			
			14/4.0	18/5.3	21/6.1	30/8.8
1ø, 220-240V	2		●	●		
	3				●	
	4					●

\* Distributor Box

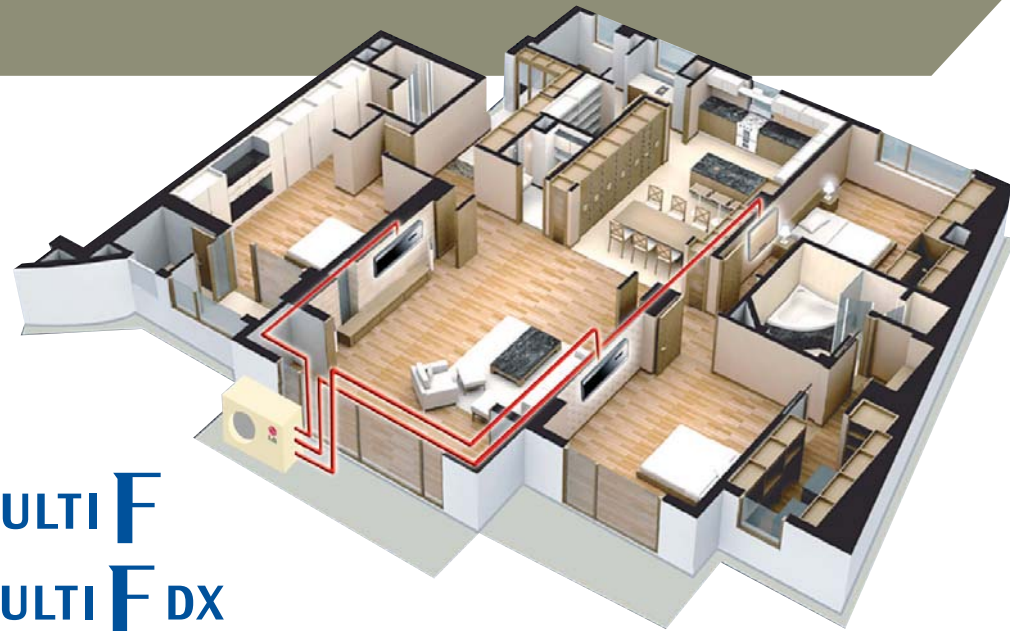


## Multi Split System

### Free Combination with Various Indoor Types

Product	Image	Capacity Range (kBtu/kW)					
		5/1.5	7/2.1	9/2.6	12/3.5	18/5.3	24/7.0
Wall Mounted		●	●	●	●	●	●
Wall Mounted <i>LIBERO</i>			●	●	●		
ART COOL	Mirror		●	●	●	●	●
	Gallery				●	●	
	Panel				●	●	
Console* <small>*Available on July, 2009</small>				●	●	●	
Ceiling & Floor				●	●	●	●
Ceiling Conceal Duct	Built-in			●	●		
	Slim Duct				●	●	●
	High Static					●	●
Cassette	1Way			●	●		
	4Way		●	●	●	●	●

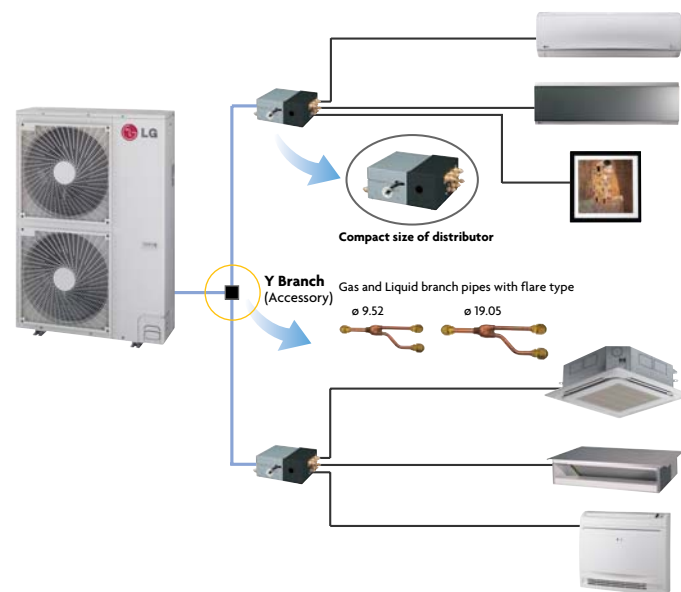
# Multi Split System



**MULTI F**  
**MULTI F DX**

## Next Generation LG Multi System

- **Wide range of Unit combinations**  
12 different types of indoor unit  
15 different capacity of outdoor unit
- **Energy Saving**  
With LG inverter technology
- **Top Class Energy Level**  
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
- **Max. 145m Long Piping**  
The FM56AH supports a piping length of up to 145m and high elevation of up to 30m for more flexibility in installation
- **High diversity of indoor unit combination**  
ArtCool, Wall Mounted, Ceiling & Floor, Ceiling Cassette, Ceiling Concealed Duct, Console types.
- **Powerful operation**
- **Compact Size & ez Installation**



# Multi Split System



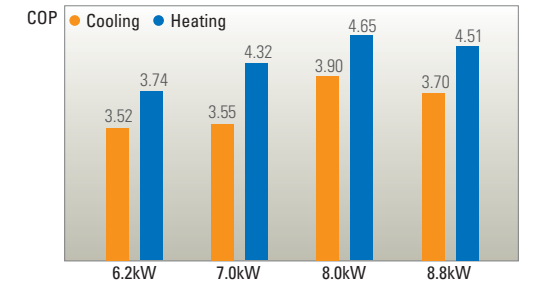
## Inverter Technology



Inverter technology refers to the compressor within the outdoor unit of the air conditioner. The two most common types of compressors are the fixed speed compressor and the inverter compressor. The fixed speed will run at 100% of its capacity and will stop and start automatically in order to maintain the desired temperature. An inverter compressor will vary its capacity in order to maintain a consistent temperature.

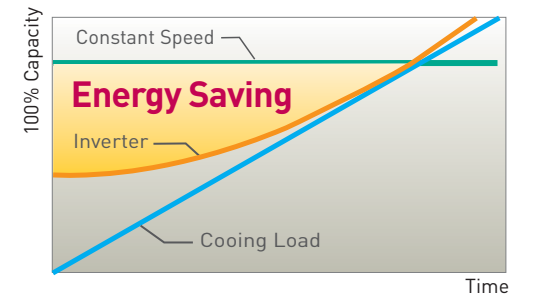
### Top Class COP

- DC Inverter Compressor
- BLDC Fan Motor



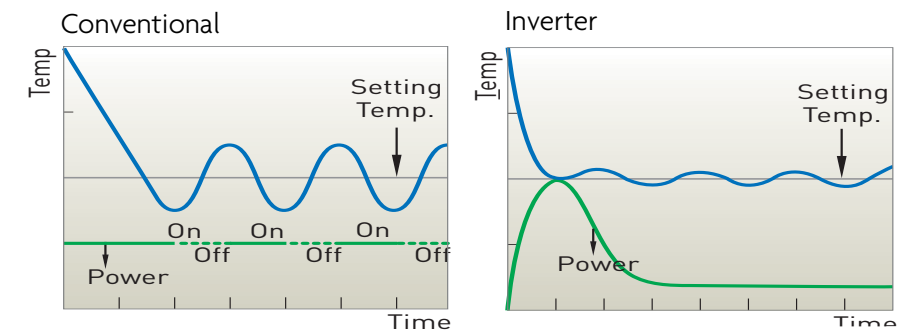
### More Economical

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.



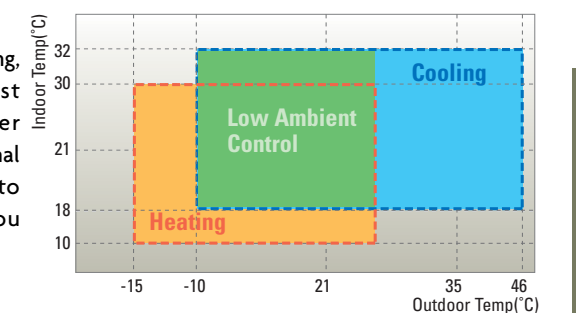
### More Comfortable

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.



### 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.



# Multi Split System

## The Wide Range of Outdoor Unit

**MULTI F** 14k-40 kBtu

**MULTI F DX 1Φ** 40k-56 kBtu

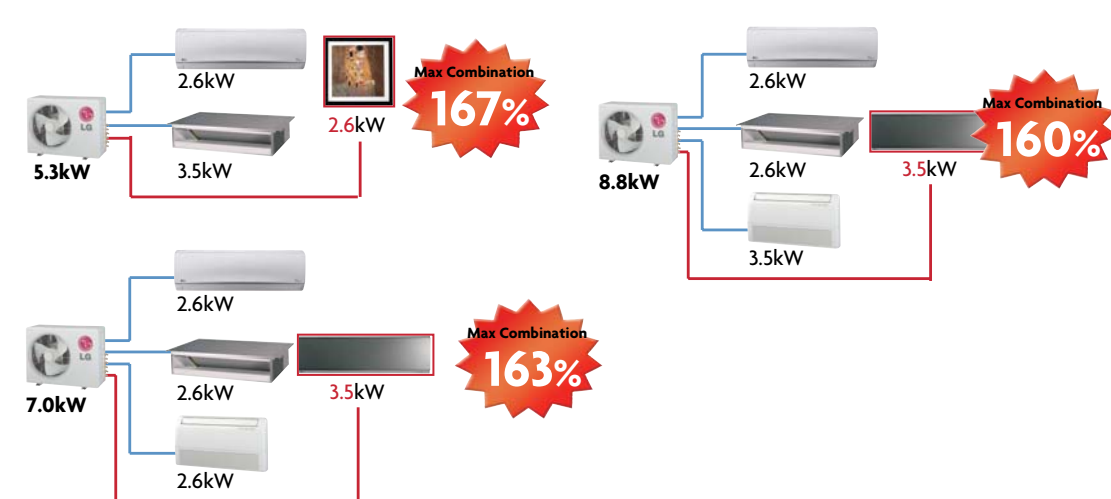
**MULTI F DX 3Φ** 36k-54 kBtu

**MULTI M** 14k-30 kBtu

## 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.

**Current** 870x1060x320mm

**New** 870x808x320mm

**24% Reduction**

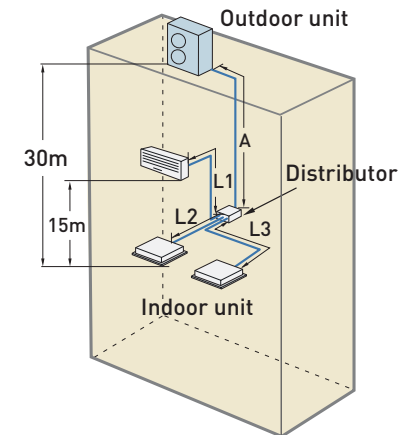
	Current	New
Outdoor Capacity	30k	30k
Max indoor Capacity Connection	130%	160%
Max indoor Unit	up to 4 room	up to 5 room

## Long & High Elevation Piping

The FM56AH supports a piping length of up to 145m and high elevation of up to 30m for more flexibility in installation

### \*Distributor Type

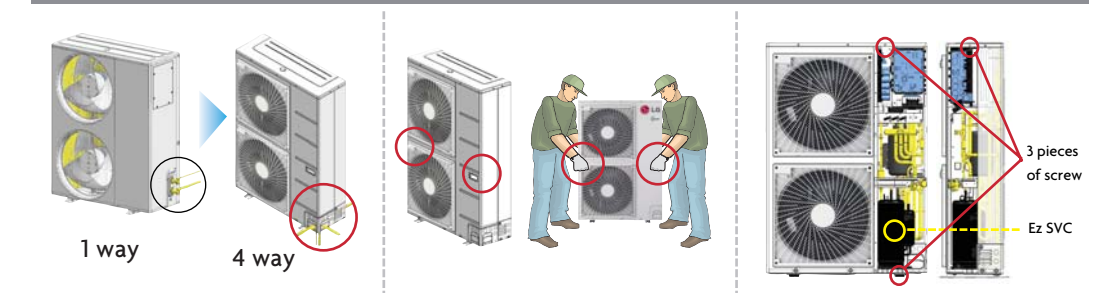
Piping Length(m)	FM40AH	FM48AH	FM56AH
Total Pipe (A+L1+L2+L3)	100	135	145
Main Pipe (A)	50	55	55
Total Branch Pipe (L1+L2+L3)	50	80	90
Each Branch Pipe	15	15	15
Indoor-Outdoor	30	30	30
Indoor-Indoor	15	15	15



## Easy to Service

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

- 1. Inner SVC valve**
  - 4 Way piping is possible (Front, Rear, Right, Down)
  - Excellent exterior
- 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



Multi Split System

MULTI F

Indoor Units

Outdoor Units

MULTI F

Various Indoor Units

Type	Wall Mounted Type				Ceiling Cassette Type			Ceiling Concealed Duct Type			Console	Ceiling & Floor Type
	Wall Mounted	LIBERO	ART COOL Mirror	ART COOL Gallery	ART COOL Panel	1-way	4-way	Built-in	Slim Duct	High		
1.5 kW	MS05AH N40					MT06AH NRO						
2.1 kW	MS07AH N40	CS07AQ NB0	MC07AH* NE1			MT08AH NRO						
2.6 kW	MS09AH N40	CS09AQ NB0	MC09AH* NE1	MA09AH1 NF1	MA09AH* NF1	MT09AH NCI	MT10AH NRO	MB09AHB NPO	MB09AHL N12		CQ09 NAO	MV09AH NE0
3.5 kW	MS12AH N40	CS12AQ NB0	MC12AH* NE1	MA12AH1 NF1	MA12AH* NF1	MT11AH NCI	MT12AH NRO	MB12AHB NPO	MB12AHL N12		CQ12 NAO	MV12AH NE0
5.3 kW	MS18AH N50		MC18AH* N81			MT18AH NQ0			MB18AHL N22	MB18AH NHO	CQ18 NAO	MV18AH NB0
7.0 kW	MS24AH N50		MC24AH* N81			MT24AH NPO			MB24AHL N22	MB24AH NHO		MV24AH NB0

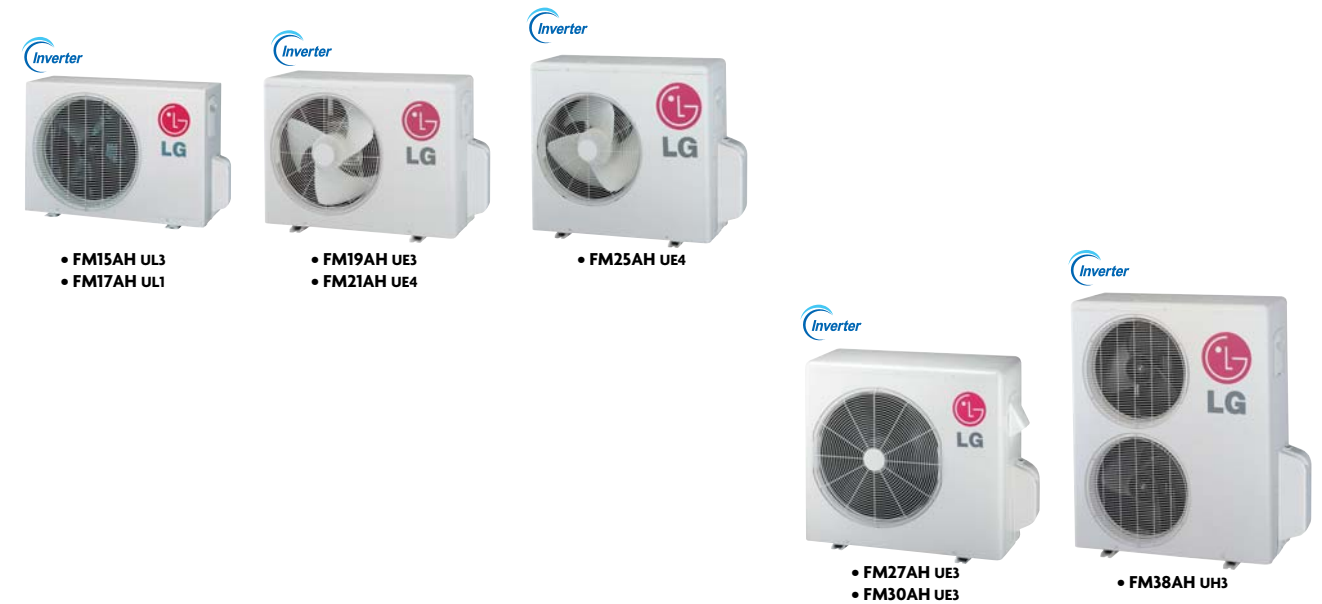
ART COOL Note: \* indicates color of panel  
 \*Blue(B) \*Mirror(R) \*Silver(V) \*Red(E) \*Gold(G) \*White Silver(H) \*Gallery(I)



ART COOL \_ Gallery



Specifications\_Outdoor Units



Model		FM15AH UL3	FM17AH UL1	FM19AH UE3	FM21AH UE4	FM25AH UE4	FM27AH UE3	FM30AH UE3	FM38AH UH3
Nominal Capacity* (Min-Rated-Max)	Cooling	kW 1.35-4.10-4.69	1.35-4.69-5.13	1.35-5.30-6.33	1.85-6.15-7.33	1.85-7.03-8.5	1.85-7.91-9.49	1.85-8.80-10.55	2.8-11.7-13.5
	Heating	kW 1.41-4.70-5.27	1.41-5.27-5.71	1.41-6.30-7.27	2.22-7.03-7.77	2.22-8.44-9.38	2.22-9.08-10.55	2.22-10.1-12.1	3.2-13.5-15.0
Nominal Input* (Min-Rated-Max)	Cooling	kW 0.38-1.25-1.50	0.38-1.38-1.60	0.38-1.55-2.35	0.72-1.75-2.33	0.72-1.99-2.75	0.72-2.04-3.2	0.72-2.39-3.96	1.1-3.63-4.65
	Heating	kW 0.45-1.25-1.50	0.45-1.40-1.55	0.45-1.65-2.32	0.88-1.88-2.26	0.88-1.96-2.79	0.88-1.96-3.1	0.88-2.25-4.13	1.4-3.65-4.84
Energy label		A/A	A/A	A/A	A/A	A/A	A/A	A/A	A/A
Testing Combination		MS09AH N40 + MS12AH N40	MS12AH N40 * 2	MS09AH N40 * 3 + MS12AH N40	MS09AH N40 * 2 + MS12AH N40	MS07AH N40 * 2EA + MS09AH N40 * 2EA	MS07AH N40 * 4EA	MS07AH N40 * 3EA + MS09AH N40 * 2EA	MS09AH N40 * 3EA + MS12AH N40 * 2EA
Running Current	Cooling	A 1.6-5.4-6.3	1.7-6.3-7.3	2.3-7.3-10.5	2.4-7.4-10.1	2.3-8.0-13.0	2.9-9.0-16.6	2.9-10.7-17.5	6.2-16.0-20.0
	Heating	A 2.0-5.4-5.6	2.1-6.4-7.1	2.6-7.8-10.6	3.1-7.8-10.4	3.0-9.0-13.0	3.1-8.6-16.9	3.1-10.0-18.2	6.9-16.4-20.5
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	1/220-240/50
Dimensions	W*H*D	mm(inch) 770*540*245	770*540*245	870*655*320	870*655*320	870*808*320	870*808*320	870*808*320	900*1165*370
		mm(inch) 30.3*21.3*10	30.3*21.3*10	34.3*25.8*12.6	34.3*25.8*12.6	34.3*31.8*12.6	34.3*31.8*12.6	34.3*31.8*12.6	35.4*45.8*14.5
Net Weight		kg(lbs) 37(81.6)	37(81.6)	52(115)	57(126)	61(134)	65(143.3)	65(143.3)	95(209)
Max. Number of Connectable Indoor Units		2	2	3	3	4	4	5	5
Refrigerant Charge (at 7.5m)	g(oz)	950(33.5)	950(33.5)	1,650(59.97)	1,700(60)	2,000(70.5)	2,550(89.95)	2,550(89.95)	4,400(155.2)
Air flow rate (H/M/L)	CMM(CFM)	35(1,236)	35(1,236)	53(1,766)	53(1,762)	53(1,872)	60(2,119)	60(2,119)	53(1,872)*2
Noise Level (H/L)	Sound Pressure at 1m	dB(A)±3 51/45	51/45	51/45	51	52	52	52	58
Piping Connections	Liquid(ø)	mm(inch) 6.35(1/4)*2EA	6.35(1/4)*2EA	6.35(1/4)*3EA	6.35(1/4)*3EA	6.35(1/4)*4EA	6.35(1/4)*4EA	6.35(1/4)*5EA	6.35(1/4)*5EA
	Gas(ø)	mm(inch) 9.52(3/8)*2EA	9.52(3/8)*2EA	9.52(3/8)*3EA	9.52(3/8)*3EA	9.52(3/8)*4EA	9.52(3/8)*4EA	9.52(3/8)*5EA	9.52(3/8)*5EA
Max. Interunit Piping Length	Total of Each Room	m 30	30	50	50	70	70	75	85
	For One Room	m 20	20	25	25	25	25	25	25
Max. Elevation	Indoor Unit-Outdoor Unit	m 15	15	15	15	15	15	15	15
	Indoor Unit-Indoor Unit	m 7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5

- Notes:
- Capacities are based on the following conditions:  
 Cooling - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB  
 - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB  
 Heating - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB  
 - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB  
 Piping Length - Interconnecting Piping Length 7.5m  
 - Level Difference of Zero.
  - \* : See page "Combination Table" 70 Page.
  - Due to our policy of innovation some specifications may be changed without notification.
  - At least two indoor units should be connected.
  - Minimum combination capacity rate should be more than 40%.

Multi Split System

MULTI F DX

Outdoor Units

Outdoor Units

MULTI F DX

Specifications\_Outdoor Units



• FM40AH UH3



• FM48AH U33  
• FM56AH U33

Model		FM40AH UH3	FM48AH U33	FM56AH U33
Nominal Capacity* (Min-Rated-Max)	Cooling	kW 2.8-11.7-13.5	3.3-15.47-17.0	4.0-16.7-18.52
	Heating	kW 3.2-13.5-15.0	3.7-16.41-17.29	4.5-17.87-18.75
Nominal Input* (Min-Rated-Max)	Cooling	kW 1.1-3.63-4.65	0.84-4.69-5.35	1.0-4.96-5.65
	Heating	kW 1.4-3.36-4.84	1.30-4.43-5.58	1.25-4.62-5.70
Energy label		A/A	A/A	A/A
Testing Combination		MS07AH N40 * 7EA	MS07AH N40 * 5EA MS09AH N40 * 3EA	MS09AH N40 * 8EA
Running Current	Cooling	A 6.2-16.0-20.0	3.9-21.7-23.2	4.6-21.7-24
	Heating	A 6.9-16.4-20.5	6.9-22.6-25	7.4-22.4-26
Power Supply		ø/V/ Hz 1/220-240/50	1/220-240/50	1/220-240/50
Dimensions	W*H*D	mm(inch) 900*1165*370(35.4*45.8*14.5)	950*1380*330(37.4*54.3*12.3)	950*1380*330(37.4*54.3*12.3)
Net Weight		kg(lbs) 95(209)	108(238)	108(238)
Max. Number of Connectable Indoor Units		7	8	9
Refrigerant	Charge (at 5m)	g(oz) 4,400(155)	4,800(169.3)	4,800(169.3)
Air flow rate (H/M/L)	CMM(CFM)	53(187) x 2	60(219) x 2	60(219) x 2
Noise Level (H/L)	Sound Pressure at 1m dB(A)±3	58	58	59
Piping Connections	Liquid(ø)	mm(inch) 9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas(ø)	mm(inch) 19.05(3/4)	19.05(3/4)	19.05(3/4)
Max. Interunit Piping Length	Total Piping (Main+Total Branch)	m 100	135	145
	Main Piping	50	55	55
	Total Branch Piping	50	80	90
	Each Branch Piping	15	15	15
Max. Elevation Difference	Indoor Unit-Outdoor Unit	m 30	30	30
	Indoor Unit-Indoor Unit	m 15	15	15

Notes:

- Capacities are based on the following conditions:  
Cooling: - Indoor Temperature 27°C(80.6°F) DB / 19°C(66.2°F) WB  
- Outdoor Temperature 35°C(95°F) DB / 24°C(75.2°F) WB  
Heating: - Indoor Temperature 20°C(68°F) DB / 15°C(59°F) WB  
- Outdoor Temperature 7°C(44.6°F) DB / 6°C(42.8°F) WB  
Piping Length - Interconnecting Piping Length 7.5m  
- Level Difference of Zero.

- \* : See page "Combination Table" 70 Page
- Due to our policy of innovation some specifications may be changed without notification.
- At least two indoor units should be connected.
- Minimum combination capacity rate should be more than 40%.

Specifications\_Outdoor Units



• FM37AH UE0



• FM41AH U33  
• FM49AH U33  
• FM57AH U33

Model		FM37AH UE0	FM41AH U33	FM49AH U33	FM57AH U33
Nominal Capacity* (Min-Rated-Max)	Cooling	kW 6.33-9.67-10.8	2.8-13.5-14.1	3.3-15.47-17.0	4.0-16.7-18.52
	Heating	kW 6.68-11.1-12.3	3.2-14.1-15.2	3.7-16.41-17.29	4.5-17.87-18.75
Nominal Input* (Min-Rated-Max)	Cooling	kW 1.80-3.00-3.45	0.8-4.0-4.9	0.94-4.6-5.4	1.0-4.91-5.7
	Heating	kW 1.83-3.05-3.51	0.89-3.9-5.1	1.13-4.45-5.2	1.49-4.55-5.65
Energy label		A/A	A/A	A/A	A/A
Testing Combination		MS07AH N40 * 6EA	MS07AH N40 * 7EA	MS07AH N40 * 5EA MS09AH N40 * 3EA	MS09AH N40 * 8EA
Running Current	Cooling	A 3.4-5.4-6.0	1.5-7.2-8.1	1.8-8.0-8.4	2.3-8.1-9.1
	Heating	A 3.5-5.4-6.1	1.7-7.5-8.0	2.1-7.5-8.3	2.5-8.0-8.7
Power Supply		ø/V/ Hz 3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Dimensions	W*H*D	mm(inch) 870*1,038*320(34.3*40.9*12.6)	950*1,380*330(37.4*54.3*12.3)	950*1,380*330(37.4*54.3*12.3)	950*1,380*330(37.4*54.3*12.3)
Net Weight		kg(lbs) 80(176)	108(238)	108(238)	108(238)
Max. Number of Connectable Indoor Units		6	7	8	9
Refrigerant	Charge (at 5m)	g(oz) 2,800(98.8)	4,800(169.3)	4,800(169.3)	4,800(169.3)
Air flow rate (H/M/L)	CMM(CFM)	32(113) x 2	60(219) x 2	60(219) x 2	60(219) x 2
Noise Level (H/L)	Sound Pressure at 1m dB(A)±3	51/47	58	58	59
Piping Connections	Liquid(ø)	mm(inch) 6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas(ø)	mm(inch) 15.88(5/8)	19.05(3/4)	19.05(3/4)	19.05(3/4)
Max. Interunit Piping Length	Total Piping (Main+Total Branch)	m 100	125	135	145
	Main Piping	40	55	55	55
	Total Branch Piping	60	70	80	90
	Each Branch Piping	20	15	15	15
Max. Elevation Difference	Indoor Unit-Outdoor Unit	m 30	30	30	30
	Indoor Unit-Indoor Unit	m 15	15	15	15

Notes:

- Capacities are based on the following conditions:  
Cooling: - Indoor Temperature 27°C(80.6°F) DB / 19°C(66.2°F) WB  
- Outdoor Temperature 35°C(95°F) DB / 24°C(75.2°F) WB  
Heating: - Indoor Temperature 20°C(68°F) DB / 15°C(59°F) WB  
- Outdoor Temperature 7°C(44.6°F) DB / 6°C(42.8°F) WB  
Piping Length - Interconnecting Piping Length 7.5m  
- Level Difference of Zero.

- \* : See page "Combination Table" 70 Page
- Due to our policy of innovation some specifications may be changed without notification.
- At least two indoor units should be connected.
- Minimum combination capacity rate should be more than 40%.






# MULTI F DX

## Distributor Box

PMBD3620, PMBD3630, PMBD3640, PMBD7220, PMBD7230

### Distributor Box

#### Easy Installation with Various Distributor Box

For	2 Indoors	3 Indoors	4 Indoors
Distributor	 PMBD3620 PMBD7220	 PMBD3630 PMBD7230	 PMBD3640
Various distributors can make much easier installation for any sites			

#### Features

- Distribution of refrigerant to various indoor units.
- 3 models (2, 3, 4 indoor units)
- Consists of LEVs inside it
- Controlling PCB inside the unit
- Internally insulated (prevents any chances of drainage)
- Flare joints for easy and clean installation
- Compact design (low height)
- Flexible installation



No brazing

Just flaring

#### Specifications\_Distributors

Model		PMBD3620	PMBD3630	PMBD3640	PMBD7220	PMBD7230
Connectable Indoor Units	Number of Indoor Units	1-2	1-3	1-4	1-2	1-3
Indoor Units Capacity	Btu/h	7k/9k/12k/18k/24k	7k/9k/12k/18k/24k	7k/9k/12k/18k/24k	18k/24k/30k/36k	18k/24k/30k/36k
Power Source	ø/V/Hz	1, 50, 220-240	1, 50, 220-240	1, 50, 220-240	1, 50, 220-240	1, 50, 220-240
Power Consumption	W	10	10	10	10	10
Running Current	A	0.05	0.05	0.05	0.05	0.05
Dimensions	W*H*D	mm(inch) 302*143*252(11.9*5.6*9.9)	302*143*252(11.9*5.6*9.9)	302*143*252(11.9*5.6*9.9)	302*143*252(11.9*5.6*9.9)	302*143*252(11.9*5.6*9.9)
Net Weight	kg/lb	4.8/10.6	4.9/10.8	5/11	5/11	5/11
Piping Connection (To Outdoor Unit)	Liquid(ø)	mm(inch) 9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas(ø)	mm(inch) 19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)
Piping Connection (To Indoor Unit)	Liquid(ø)	mm(inch) 6.35(1/4)*2EA	6.35(1/4)*3EA	6.35(1/4)*4EA	6.35(1/4)*2EA	6.35(1/4)*3EA
	Gas(ø)	mm(inch) 9.52(3/8)*2EA	9.52(3/8)*3EA	9.52(3/8)*4EA	12.7(1/2), 15.88(5/8)	12.7(1/2), 15.88*2EA
Accessories	Hanger (Bracket)	EA 4	EA 4	EA 4	EA 4	EA 4
	Screw	EA 8	EA 8	EA 8	EA 8	EA 8
	Manual	EA 1	EA 1	EA 1	EA 1	EA 1

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

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



# MULTI F DX

## Y Branch and Branch Kit

PMBL3620 / PMBL5620 (2units) / PMBL1203FO (3units)

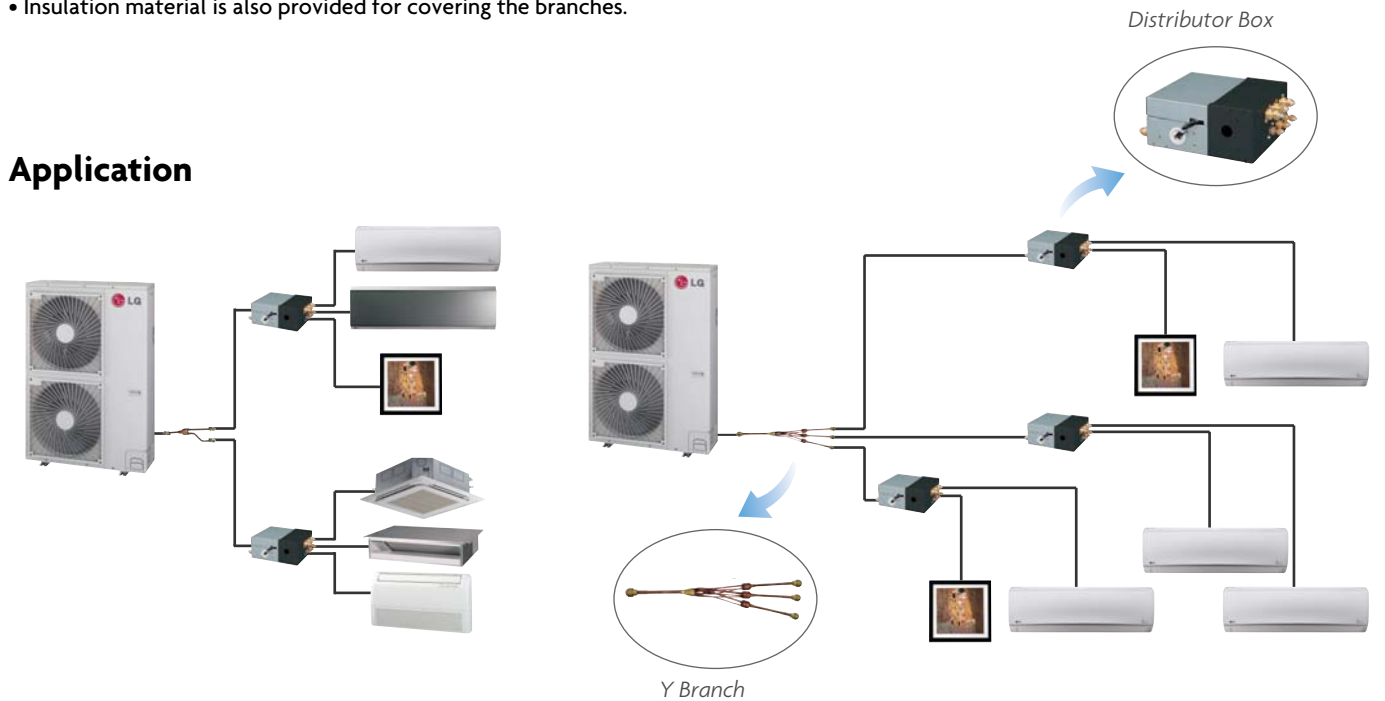


### Y Branch and Branch Kit

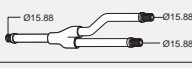
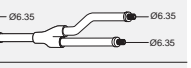
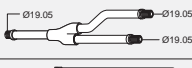
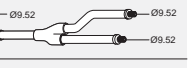

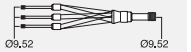
#### Features

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

#### Application



#### Accessory model name

Model Name	No. of BD units	Applicable Model	Specification (Unit : mm)	
			Gas	Liquid
PMBL3620	2 units	Only 3ø, 36k Btu/h		
PMBL5620	2 units	1ø, 3ø		
PMBL1203FO	3 units	1ø, 3ø		



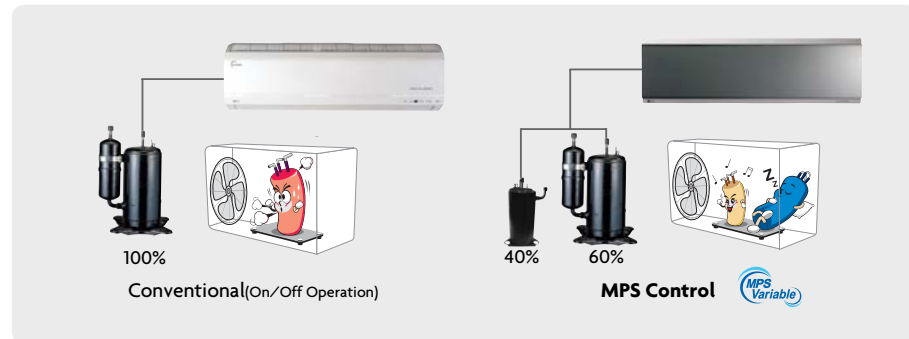
# Multi Split System

## MULTI M



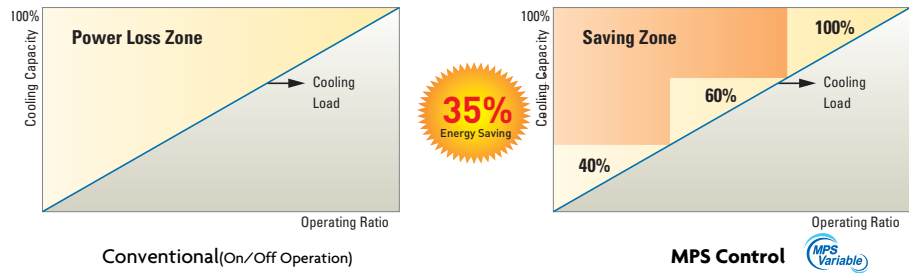
### Big Energy Saving with MPS Control

MPS (Multi Power System) is a power saving system in which two compressors of different capacities operate at high power until it reaches the setting temperature. After the preset temperature is reached, only the smaller compressor operates, thus saving energy.



### Power Consumption Comparison

Only one compressor operates during low load operations, thus saving power compared to compressors twice the size.



### Various Indoor Units

Type	Wall Mounted Type				
	Wall Mounted		ART COOL Mirror		ART COOL Panel
2.1 kW		MS07AH N40	MC07AH* NZ1	MC07AH* NE0	
2.6 kW	MS09AHG N40	MS09AH N40	MC09AH* NU1	MC09AH* NE0	MA09AH* NP1
3.5 kW	MS12AHG N40	MS012AH N40	MC12AH* NU1	MC12AH* NE0	MA12AH* NP1
5.3 kW		MS018AH N50	MC18AH* N31		
7.0 kW		MS24AH N50	MC24AH* N31		

ART COOL Note : \* indicates color of panel (M: Metal, R: Mirror, B: Blue, W: White Wood, C: Cherry, W: Wood)



## Specifications\_Outdoor Units



### 14 kBtu/h

Model			M14AH UD0
Capacity	Cooling/Heating	(W)(Btu/h)	2,755-4,220/2,931-4,279
Input	Cooling/Heating	(W)	1,350-1,500 / 1,300-1,500
Running Current	Cooling/Heating	(A)	6.1-6.6/6.0-7.0
Power Supply		(e.V.Hz)	1,220-240,50
Refrigerant charge		g. type	1,100 *at 7.5m* R410A
Air Circulation	Outdoor	CMM(CFM)	40(1,412)
Noise Level (Sound Pressure,1m)		dB(A)	50
Pipe Connection	Liquid / Gas	(mm)	6.35 / 9.52
Standard Pipe Length		(m)	7.5
Max. Length/Elevation		(m)	15/7.5
Net Dimensions	(WxHxD)	(mm)	801x555x262
Net Weight		(kg)	48
Stuffing Q y	Without S/Parts	(20/40ft)	108/222
Operational Temperature (Outdoor Unit)	Cooling	°C	+21~+46
	Heating	°C	-7~+24

### 18 kBtu/h

Model			M18AH UE0
Capacity	Cooling/Heating	(W)(Btu/h)	2,051-5,275/2,638-5,803
Input	Cooling/Heating	(W)	780-1,900/1,200-1,900
Running Current	Cooling/Heating	(A)	3.5-8.5/5.5-8.5
Power Supply		(e.V.Hz)	1,220-240,50
Refrigerant charge		g. type	1,350 *at 7.5m* R410A
Air Circulation	Outdoor	CMM(CFM)	53(1,872)
Noise Level (Sound Pressure,1m)		dB(A)	51
Pipe Connection	Liquid / Gas	(mm)	6.35 / 9.52
Standard Pipe Length		(m)	7.5
Max. Length/Elevation		(m)	15/7.5
Net Dimensions	(WxHxD)	(mm)	870x655x320
Net Weight		(kg)	64
Stuffing Q y	Without S/Parts	(20/40ft)	81/171
Operational Temperature (Outdoor Unit)	Cooling	°C	+21~+46
	Heating	°C	-7~+24

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

### 21 kBtu/h

Model			M21AH UE0
Capacity	Cooling/Heating	(W)(Btu/h)	2,345-6,154/2,638-6,154
Input	Cooling/Heating	(W)	880-2,100/1,350-2,200
Running Current	Cooling/Heating	(A)	4.0-9.4/6.0-9.8
Power Supply		(e.V.Hz)	1,220-240,50
Refrigerant charge		g. type	1,500 *at 7.5m* R410A
Air Circulation	Outdoor	CMM(CFM)	53(1,872)
Noise Level (Sound Pressure,1m)		dB(A)	51
Pipe Connection	Liquid / Gas	(mm)	6.35 / 9.52
Standard Pipe Length		(m)	7.5
Max. Length/Elevation		(m)	15/7.5
Net Dimensions	(WxHxD)	(mm)	870x655x320
Net Weight		(kg)	64
Stuffing Q y	Without S/Parts	(20/40ft)	81/171
Operational Temperature (Outdoor Unit)	Cooling	°C	+21~+46
	Heating	°C	-7~+24

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

### 30 kBtu/h MPS Variable

Model			M30AH UE0
Capacity	Cooling/Heating	(W)(Btu/h)	2,638-8,792/2,931-9,671
Input	Cooling/Heating	(W)	1,100-3,250/1,310-3,360
Running Current	Cooling/Heating	(A)	4.8-15/6.0-15.5
Power Supply		(e.V.Hz)	1,220-240,50
Refrigerant charge		g. type	2,500 *at 7.5m* R410A
Air Circulation	Outdoor	CMM(CFM)	63(2,225)
Noise Level (Sound Pressure,1m)		dB(A)	51/46
Pipe Connection	Liquid / Gas	(mm)	6.35 / 9.52
Standard Pipe Length		(m)	7.5
Max. Length/Elevation		(m)	15/7.5
Net Dimensions	(WxHxD)	(mm)	870x1,060x320
Net Weight		(kg)	80
Stuffing Q y	Without S/Parts	(20/40ft)	51/111
Operational Temperature (Outdoor Unit)	Cooling	°C	+21~+46
	Heating	°C	-7~+24

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

- Notes:-
- Capacities are based on the following conditions:  
Cooling : Indoor Temperature 27°C DB /19°C WB, Outdoor Temperature 35°C DB/24°C WB.  
Heating : Indoor Temperature 20°C DB /15°C WB, Outdoor Temperature 7°C DB/6°C WB
  - Interconnecting Piping Length 7.5m to each indoor units.
  - Specifications can be changed without notification for improvement.
  - At least two indoor units should be connected.

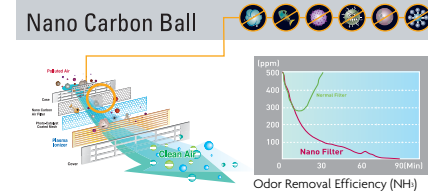
# Multi Split System

## 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!

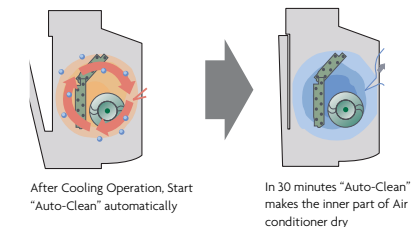


**Effect of Carbon Nano Ball**  
Deodorizing efficiency: 8-10 times compared to conventional carbon filter

**What is Carbon Nano Ball?**  
Nano(1/1000) 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.



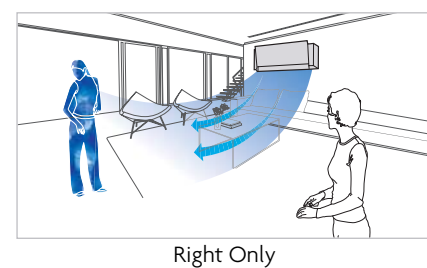
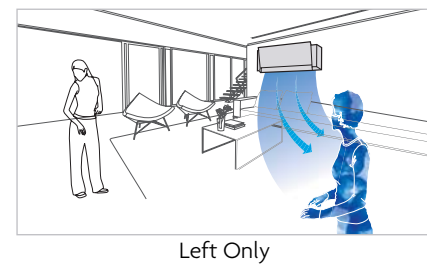
### Optimized two way airflow for cooling and heating (only LIBERO Models)

For cooling, the vane is adjusted upwards to let the cold air travel up and air condition a wider area. As for heating, the vane sends the heated air downwards to heat the space from the floor for a pleasant and balanced room temperature.



### Stepping control (only LIBERO Models)

With vane that can be controlled by various steps, LIBERO can send airflow in more precision and to a wider zone thus allowing the user to choose the location of indoor unit more freely.



### 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



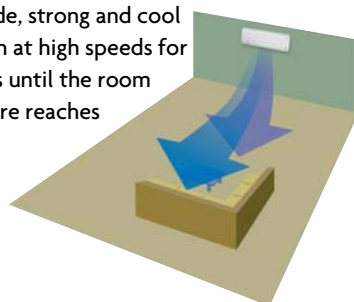
- 1 Neo-Plasma
- 2 Temperature Setting
- 3 On/Off Button
- 4 Set Air Flow (Auto Swing)
- 5 Jet Cool
- 6 Timer
- 7 Display Screen Brightness
- 8 Auto Clean



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

### 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°C.



## Various Indoor Units

Capacity (kW)		1.7	2.1	2.6	3.5	5.3	7
Wall Mounted		MS05AH N40	MS07AH N40 MS07AHG N40	MS09AH N40 MS09AHG N40	MS12AH N40 MS12AHG N40	MS18AH N50	MS24AH N50
Wall Mounted <i>LIBERO</i>			CS07AQ N80	CS09AQ N80	CS12AQ N80		
ART COOL Mirror			MC07AH* NE1	MC09AH* NE1	MC12AH* NE1	MC18AH* N81	MC24AH* N81
			MC07AH* NZ1	MC09AH* NU1	MC12AH* NY1		
ART COOL Gallery				MA09AH1 NF1	MA12AH1 NF1		
ART COOL Panel				MA09AH* NF1	MA12AH* NF1		
				MA09AH* NP1	MA12AH* NP1		

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(I)

Model		MS05AH N40	MS07AH N40	MS09AH N40	MS12AH N40	MS18AH N50	MS24AH N50
Cooling capacity	kW	1.46	2.05	2.64	3.52	5.28	6.74
	Btu/h	5,000	7,000	9,000	12,000	18,000	23,000
Heating capacity	kW	1.6	2.34	2.93	3.87	5.8	7.47
	Btu/h	5,500	8,000	10,000	13,200	19,800	25,000
Running current	A	0.1	0.10	0.15	0.15	0.28	0.28
Air flow rate (H/M/L)	cmm	5.6/5.0/4.6	5.6/5.0/4.6	7.0/6.5/6.0	9.5/9.0/8.5	12.0/10.5/9.0	14.0/13.0/11.0
	cfm	198/177/163	198/177/163	247/230/212	336/318/300	424/371/318	495/460/389
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)	840*270*153(33.1*10.6*6.0)	1090*300*180(42.9*11.8*7.1)	1090*300*180(42.9*11.8*7.1)
Weight	Body kg(lbs)	7(15.4)	7(15.4)	7(15.4)	7(15.4)	13(28.7)	13(28.7)
Sound level (H/M/L)	dB(A)±3	40 / 29 / 25 / 20	40 / 29 / 25 / 20	40 / 33 / 29 / 22	40 / 36 / 32 / 29	43 / 37 / 34 / 31	43 / 41 / 39 / 34
Piping connections	Liquid mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)
Dehumidification rate	L/h	0.9	0.9	1.1	1.2	2.3	3.0

Model		CS07AQ N80	CS09AQ N80	CS12AQ N80	MA09AH* NF1	MA12AH* NF1
Cooling capacity	kW	2.05	2.64	3.52	2.64	3.52
	Btu/h	7,000	9,000	12,000	9,000	12,000
Heating capacity	kW	2.34	2.93	3.87	2.93	3.87
	Btu/h	8,000	10,000	13,200	10,000	13,200
Running current	A	0.1	0.15	0.15	0.08	0.08
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	7.7/5.9/4.4	8.9/7.3/5.6
	cfm	198/177/163	247/230/212	336/318/300	272/208/155	314/258/198
Dimensions (WxHxD)	Body mm(inch)	700*600*210(27.5*23.6*8.3)	700*600*210(27.5*23.6*8.3)	700*600*210(27.5*23.6*8.3)	600*600*146(23.6*23.6*5.7)	600*600*146(23.6*23.6*5.7)
Weight	Body kg(lbs)	13.8(30.4)	13.8(30.4)	13.8(30.4)	15(33.1)	15(33.1)
Sound level (SH/H/M/L)	dB(A)±3	42/31/28/25	42 / 33 / 30 / 26	42 / 37 / 35 / 29	38 / 32 / 27	44 / 38 / 32
Piping connections	Liquid mm(inch)	6.35 (1/4)	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)	9.52(3/8)	9.52(3/8)
Dehumidification rate	L/h	0.9	1.1	1.2	1.2	1.4

Model		MC07AH* NE1	MC09AH* NE1	MC12AH* NE1	MC18AH* N81	MC24AH* N81
Cooling capacity	kW	2.05	2.64	3.52	5.28	6.74
	Btu/h	7,000	9,000	12,000	18,000	23,000
Heating capacity	kW	2.34	2.93	3.87	5.8	7.47
	Btu/h	8,000	10,000	13,200	19,800	25,000
Running current	A	0.1	0.15	0.15	0.28	0.28
Air flow rate (H/M/L)	cmm	7/6/4	8/7/5	10/8/6	12.6/11.5/10	15/14/13
	cfm	247/212/141	282/247/177	353/283/212	445/406/353	530/494/459
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)	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)	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	43/41/38
Piping connections	Liquid mm(inch)	6.35 (1/4)	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)	12.7 (1/2)
Dehumidification rate	L/h	1	1.2	1.5	2	2.5

Model		MC07AH* NZ1	MC09AH* NU1	MC12AH* NU1	MA09AH* NP1	MA12AH* NP1
Cooling capacity	kW	2.05	2.64	3.52	2.64	3.52
	Btu/h	7,000	9,000	12,000	9,000	12,000
Heating capacity	kW	2.34	2.93	3.87	2.93	3.87
	Btu/h	8,000	10,000	13,200	10,000	13,200
Running current	A	0.1	0.15	0.15	0.08	0.08
Air flow rate (H/M/L)	cmm	7/6/4	8/7/5	10/8/6	7/6.5/6	8.7/8.1/7.5
	cfm	247/212/141	282/247/177	353/283/212	247/230/212	307/286/265
Dimensions (WxHxD)	Body mm(inch)	900*272*143 (35.4*10.7*5.6)	1030*290*153 (40.6*11.4*6.0)	1030*290*153 (40.6*11.4*6.0)	570*299*129 (22.4*11.8*5.1)	570*299*129 (22.4*11.8*5.1)
Weight	Body kg(lbs)	8.1(17.9)	9.5(20.9)	9.5(20.9)	11.5 (25.4)	11.5 (25.4)
Sound level (SH/H/M/L)	dB(A)±3	31/29/27	33/31/29	35/31/29	37 / 31 / 27	43 / 39 / 31
Piping connections	Liquid mm(inch)	6.35 (1/4)	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)	9.52 (3/8)	9.52 (3/8)
Dehumidification rate	L/h	1	1.2	1.5	1.1	1.4

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

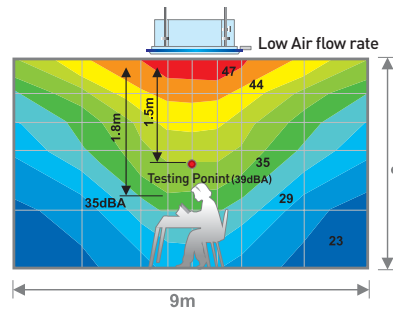
# Multi Split System

## Ceiling Cassette Type



### Application of a High-Efficiency Compact Turbo Fan

The application of a compact turbo fan minimized the size of the interior device and increased the installation stability as well as the space beauty. It also has improved the air flow and the interior temperature distribution to the optimal conditions, forming a quiet and pleasant environment.



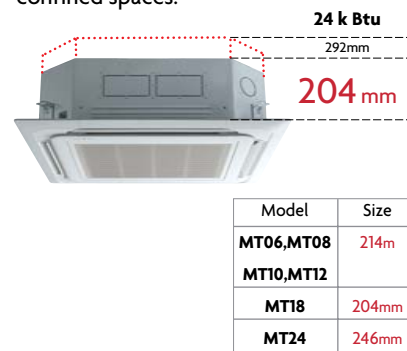
### PLASMA Air Purifying System (Accessory)

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.

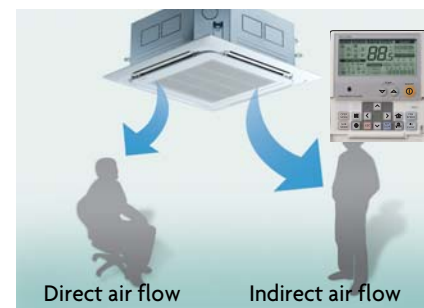
### Slim & Compact size

The indoor unit with slim and compact size enables successful installation in confined spaces.



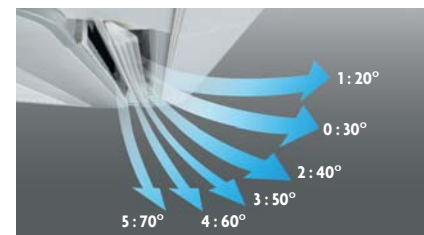
### 4 Vane Independent Operation

Vane angle control satisfies both users who like direct wind or indirect wind and also reduces cold air draft.



### Independent Automatic Vane Control

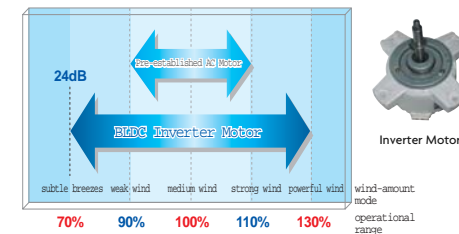
One motor per vane is adopted to control each of four vane independently, freely controlling air current according to situations.



### 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



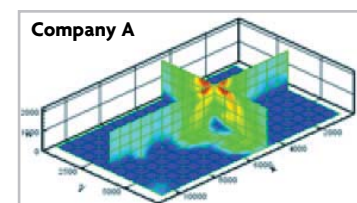
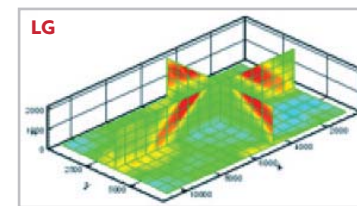
### Wide Jet Air Flow

Improved wide vanes reduce dead bands and provide better air and temperature distribution.



### Whirlwind Airflow

100% distribution of floor temperature. Even while in heating mode the whole room has max 1°C temperature difference between the ceiling and floor



### Various Indoor Units

Capacity (kW)	2.1	2.6	2.6	3.5	5.3	7.0
1-Way Cassette Type			MT09AH NCI	MT11AH NCI		
4-Way Cassette Type	MT06AH NRO	MT08AH NRO	MT10AH NRO	MT12AH NRO	MT18AH NQO	MT24AH NPO

### Specifications

		Ceiling Cassette - 1 way	
		MT09AH NCI	MT11AH NCI
Model	Panel	PT-HCC	PT-HCC
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	0.56	0.56
Air flow rate (H/M/L)	cmm	8.5/7.5/6.5	9.5/8/7
	cfm	300/265/230	336/283/247
Dimensions (W*H*D)	Body mm(inch)	860*180*390(33.8*71*15.3)	860*30*390(33.8*71*15.3)
	Decorative Panel mm	1050*30*480(41.3*1.2*18.9)	1050*30*480(41.3*1.2*18.9)
Weight	Body kg(lbs)	22 (48.5)	22 (48.5)
	Decorative Pane kg(lbs)	4 (8.8)	4 (8.8)
Sound level (H/M/L)	H/M/L dB(A)±3	35/32/28	37/33/29
Piping Connections	Liquid inch(mm)	6.35 (1/4)	6.35 (1/4)
	Gas inch(mm)	9.52 (3/8)	9.52 (3/8)
Dehumidification rate	l/h	1.1	1.3

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

		Ceiling Cassette - 4way					
		MT06AH NRO	MT08AH NRO	MT10AH NRO	MT12AH NRO	MT18AH NQO	MT24AH NPO
Model	Panel	PT-UQC	PT-UQC	PT-UQC	PT-UQC	PT-UQC	PT-UMC
Cooling Capacity	kW	1.46	2.05	2.64	3.52	5.28	7.03
	Btu/h	5,000	7,000	9,000	12,000	18,000	24,000
Heating Capacity	kW	1.6	2.34	2.93	3.87	5.8	7.74
	Btu/h	5,500	8,000	10,000	13,200	19,800	26,400
Running current	A	0.35	0.35	0.35	0.35	0.43	0.6
Air flow rate (H/M/L)	cmm	7.5/6/5	7.5/6/5	8.5/7.5/6.5	9.5/8/6.5	13/12/10	17/15/13
	cfm	265/211/176	265/211/176	300/265/230	336/283/230	459/423/353	600/530/459
Dimensions (W*H*D)	Body mm(inch)	570*214*570(22.4*8.4*22.4)	570*214*570(22.4*8.4*22.4)	570*214*570(22.4*8.4*22.4)	570*214*570(22.4*8.4*22.4)	570*256*570(22.4*10.0*22.4)	840*204*840(33.1*8.0*33.1)
	Decorative Panel mm	700*30*700(27.5*1.2*27.5)	700*30*700(27.5*1.2*27.5)	700*30*700(27.5*1.2*27.5)	700*30*700(27.5*1.2*27.5)	700*30*700(27.5*1.2*27.5)	950*25*950(37.4*1.0*37.4)
Weight	Body kg(lbs)	14(30.9)	14(30.9)	14(30.9)	14(30.9)	15(33.1)	21(46.3)
	Decorative Pane kg(lbs)	3(6.6)	3(6.6)	3(6.6)	3(6.6)	3(6.6)	5(11.0)
Sound level (H/M/L)	H/M/L dB(A)±3	35/31/27/24	35/31/27/24	37/32/29/25	38/35/31/27	44/40/37/34	45/39/37/34
Piping Connections	Liquid inch(mm)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas inch(mm)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)
Dehumidification rate	l/h	0.8	1.0	1.1	1.2	2.4	3.0

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

# Multi Split System

## Ceiling Concealed Duct Type

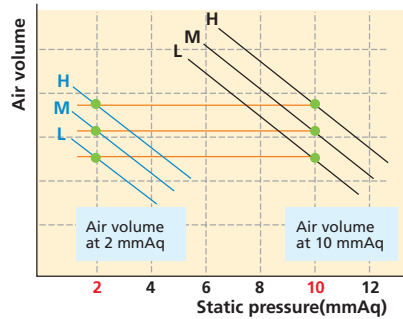


### E.S.P: External Static Pressure

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

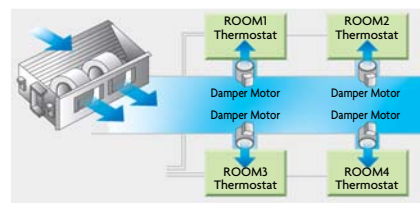
The phase control motor technology gives benefit of saving money to Installer. Desired air volume is obtained by controlling the phase of motor while installing the product and this makes your duct work system flexible. E.S.P is controlled from 0 to 10mmAq.



\*Notes: MB18AH, MB24AH, MB30AH, MB36AH

### Zone Controller

This feature can be used to control the operation of the Air Conditioning Unit where each zone (maximum of 4 zones) has a separate thermostat and damper motor, your Air Conditioning Specialist can advise you if you require a VAV (Variable Air Volume) Installation in your home / office, as well as providing a quotation for Installation (including the supply of thermostats and damper motors).



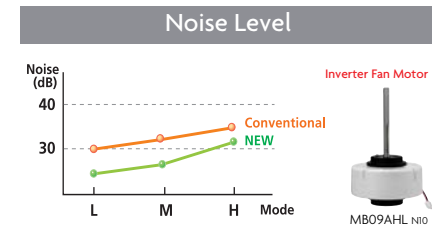
\*Notes: MB18AH, MB24AH, MB30AH, MB36AH

### 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.

### 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.



### Various Indoor Units

Capacity (kW)	2.6	3.5	5.3	7.0
Built-in	MB09AHB NPO	MB12AHB NPO		
Slim Duct	MB09AHL N12	MB12AHL N12	MB18AHL N22	MB24AHL N22
High Static			MB18AH NHO	MB24AH NHO

### Specifications

Model	Ceiling Concealed Duct - Built-in			
	MB09AHB NPO		MB12AHB NPO	
Cooling Capacity	kW	2.64	3.52	
	Btu/h	9,000	12,000	
Heating Capacity	kW	2.93	3.89	
	Btu/h	10,000	13,200	
Running current	A	0.56	0.56	
Air flow rate (H/M/L)	cmm	11.5/10/8.5	11.5/10/8.5	
	cfm	406/353/300	406/353/300	
External static pressure	mmAq	4		
Dimensions (W*H*D)	Body	750*300*580(29.5*11.8*22.8)		750*300*580(29.5*11.8*22.8)
	Decorative pannel	695*57*396(27.4*2.22*15.6)		695*57*396(27.4*2.22*15.6)
Weight	Body	30 (66.1)		30 (66.1)
	Decorative pannel	6 (13.2)		6 (13.2)
Sound level (H/M/L)	dB(A)±3	34/32/30		35/33/31
Piping Connections	Liquid	6.35 (1/4)		6.35 (1/4)
	Gas	9.52 (3/8)		9.52 (3/8)
Dehumidification rate	l/h	1		1.2

Model	Ceiling Concealed Duct - Slim Duct				
	MB09AHL N12	MB12AHL N12	MB18AHL N22	MB24AHL N22	
Cooling Capacity	kW	2.64	3.52	5.27	7.03
	Btu/h	9,000	12,000	18,000	24,000
Heating Capacity	kW	2.93	3.87	5.8	7.74
	Btu/h	10,000	13,000	19,800	26,400
Running current	Cooling	0.7	0.7	0.7	0.7
Air flow rate (H/M/L)	cmm	8/7/6	10/9/8	13.5/12/10	17.5/16/15
	cfm	282/246/211	352/317/282	477/424/353	618/565/28
External static pressure	mmAq	2			
Dimensions (W*H*D)	Body	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	20.5 (45.2)		20.5 (45.2)	30.0 (66.1)
Sound level (H/M/L)	dB(A)±3	31/26/25		33/31/26	34/31/29
Piping Connections	Liquid	6.35 (1/4)		6.35 (1/4)	9.52 (3/8)
	Gas	9.52 (3/8)		9.52 (3/8)	12.7 (1/2)
Dehumidification rate	l/h	1		1.2	2

Model	Ceiling Concealed Duct - High Static		
	MB18AH NHO	MB24AH NHO	
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	
Dimensions (W*H*D)	Body	880*260*450(34.6*10.2*17.7)	
	Weight	35 (77.2)	
Sound level (H/M/L)	dB(A)±3	36/34/32	
Piping Connections	Liquid	6.35 (1/4)	
	Gas	12.7 (1/2)	
Dehumidification rate	l/h	2.0	

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



Multi Split System

Ceiling & Floor Type

Upgraded Function

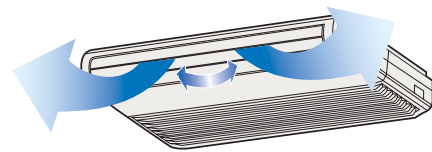


- One Touch Filter & Filter Cleaning Alarm Function
- Power Wind Mode

Airflow Direction Control

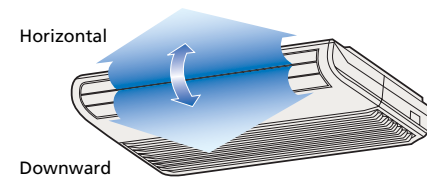
Horizontal Airflow Direction Control.


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	7.0
	MV09AH NEO	MV12AH NEO	MV18AH NBO	MV24AH NBO

Specifications

Model	Ceiling & Floor					
	MV09AH NEO	MV12AH NEO	MV18AH NBO	MV24AH NBO		
Cooling Capacity	kW	2.64	3.52	5.27	7.03	
	Btu/h	9,000	12,000	18,000	24,000	
Heating Capacity	kW	2.93	3.87	5.80	7.38	
	Btu/h	10,000	13,200	19,800	25,200	
Running current	A	0.56	0.56	0.67	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	15/13.5/12	
	cfm	276/226/177	353/293/230	477/424/388	530/477/424	
Dimensions (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)	1,200*205*615(47.2*8.1*24.2)
	Weight	kg(lbs)	12 (26.5)	12 (26.5)	30 (66.1)	30 (66.1)
Sound level (H/M/L)		dB(A)±3	36/32/28	40/36/31	43/40/37	45/42/39
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)	12.7 (1/2)	12.7 (1/2)
Dehumidification rate	l/h	1.0	1.2	2.0	3.0	

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

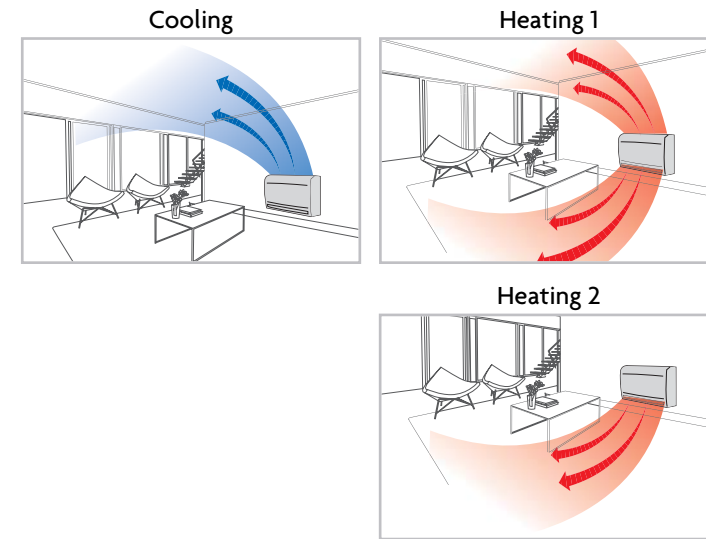


Multi Split System

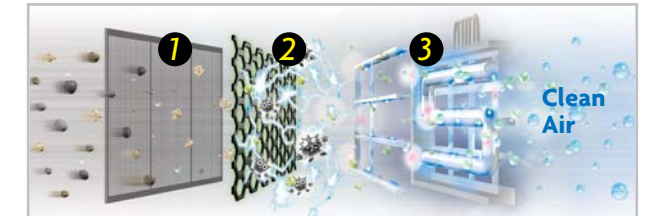
Console Type

Different air flow of cooling & heating

For cooling, the vane is adjusted upwards to let the cold air travel up. As for heating, the vane sends the heated air downwards to balance room temperature specially for floor.




Healthy Air (3 stage air filter system)



- 1st Advanced pre filter
- 2nd Allergy Filter (BAF)
- 3rd Nano Plasma Ion Generator



Separate air purifier function

Capacity (kW)	2.6	3.5	5.3
	CQ09 NAO	CQ12 NAO	CQ18 NAO

Specifications

Model	Console Type				
	CQ09 NAO	CQ12 NAO	CQ18 NAO		
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	7.8/6.4/5.0/4.0	9.0/6.9/5.2/4.8	11/9.5/8.0/6.5	
	cfm	276/226/177/141	317/243/183/169	388/335/282/229	
Dimensions (W*H*D)	Body	mm(inch)	700*600*210(27.5*23.6*8.3)	700*600*210(27.5*23.6*8.3)	700*600*210(27.5*23.6*8.3)
	Weight	kg(lbs)	13.8(30.4)	13.8(30.4)	13.8(30.4)
Sound level (H/M/L)		dB(A)±3	36/32/27/22	39/32/27/23	44/39/35/32
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	l/h	1.0	1.2	2.0	

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