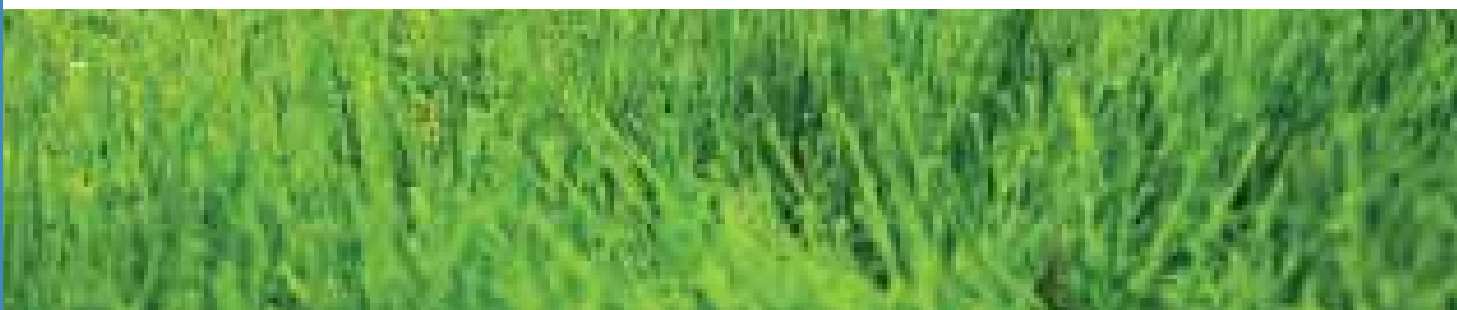
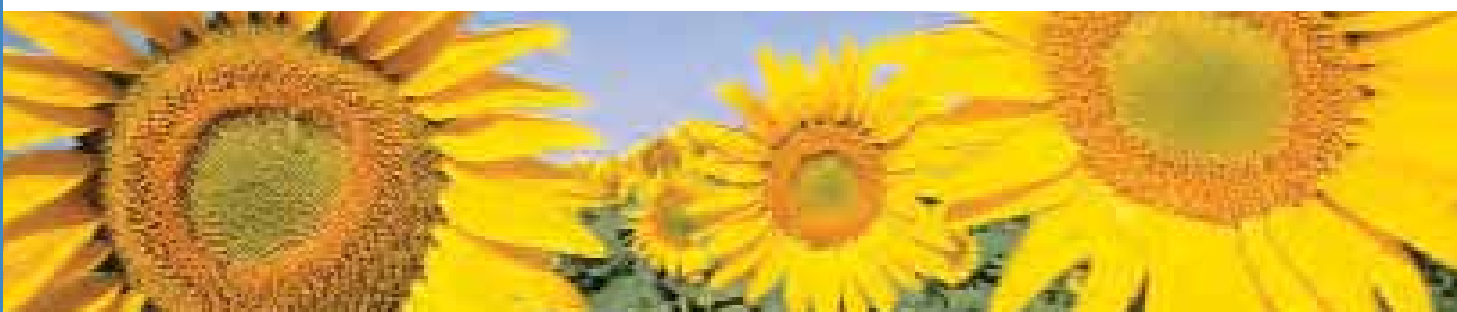


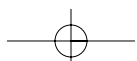
www.lgaircon.co.uk




















LG Air Conditioning









2007



Features

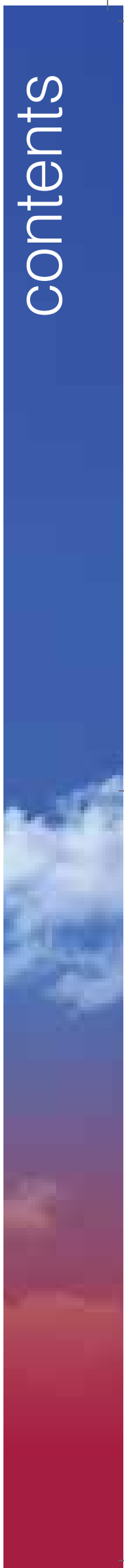
-  • NEO Plasma Air Purifying System
-  • Anti Corrosion Gold Fin
-  • Auto Changeover
-  • Auto Cleaning
-  • Jet Cool
-  • Natural Wind By CHAOS Swing
-  • Wireless Remote Controller
-  • Sleep Mode Auto Operation
-  • Quiet Operation
-  • Healthy Dehumidification
-  • Auto Restart
-  • One-Touch Air Filter (Anti-Bacteria)
-  • 24-Hour ON/OFF Setting Timer
-  • Hot Start (Heat pump Only)
-  • 4-Way Air Deflection
-  • Reversible Open Grille
-  • Low Ambient

Features

-  • Slide-Out Chassis
-  • 7-Hour OFF Setting Timer
-  • 12-Hour OFF Setting Timer
-  • Electric Heater
-  • Child Lock Function
-  • Duct Operation
-  • Neuro Fuzzy Control (Optional)
-  • Auto Swing
-  • Soft Dry Operation Mode
-  • Weekly Program
-  • Low Standby Power
-  • Two Thermistor Control
-  • Zone Control (Optional)
-  • Group Control
-  • Central controller (Optional)
-  • Changeable Panel
-  • Energy Saving



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Design Award Symbols

IF Design Award



International
Forum
Design

Reddot Design Award

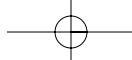


reddot
design award

Good Design Award



Good
Design
Mark



LG Electronics, The World's Best Seller, Seven Years in a Row

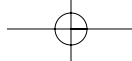
"The outstanding quality of LG air conditioners is recognised by people all over the world." According to an article by Japan's famous refrigeration and air conditioning magazine JARN (Japan Air Conditioning, Heating & Refrigeration News), LG Electronics sold its 4.9 million air conditioners in 2000, taking the world's first spot in sales. With sales of 10 million units in 2004 and 2005, it has become the top seller of air conditioners in the world for seven consecutive years. This landmark achievement has been made possible by our continuous R&D activities, expansion of production lines, and 6-sigma campaigns (6-sigma quality control system), among others. LG Electronics is committed to maintaining its market leadership in air conditioners through its advanced technologies and R&D efforts.



International
Forum
Design



reddot
design award



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

LG Air Conditioning units use R410A refrigerant, and neo plasma air-purifying system for powerful sterilisation 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 innovations to realise world's lowest noise, and provide a more pleasant and convenient indoor environment.

Environmental concern 2007

As the concern for environment increases day by day, EC Directive made it a regulation to put an indication on all air conditioning products. Customers can purchase the products taking into consideration the energy consumption of the unit.

Energy		Air-conditioner
Manufacturer		
Outside unit		
inside unit		
More efficient		
A		
B		
C		
D		
E		
F		
G		
Less efficient		
Annual energy consumption, kWh in cooling mode		
<small>(Annual energy consumption depends on how the appliance is used and climate)</small>		
Cooling output	kW	
Energy efficiency ratio		
<small>(Full load (the higher the better))</small>		
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

environment friendly

Neo-Plasma air purifying system

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



1. Pre Filter

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

2. Nano Carbon Filter

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

What is Nano Carbon Ball?

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



3. Triple Filter

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



4. Nano Bio Fusion Filter

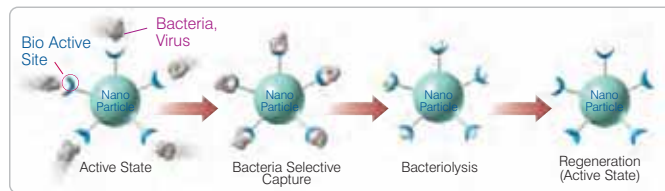
Nano bio fusion filters allow their nano-size bio enzymes to directly penetrate through cell walls of some bacteria and allergen to decompose its cell nuclei.



5. Plasma Filter

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

Test Result Certification



Distinctions from Conventional Filters

* Conventional	* Nano Bio Fusion Filter
<p>Simply inactivate bacteria</p>	<p>Destroy bacteria but allow part of them to survive</p>
	<p>The bio enzyme destroys cell walls and nuclei of some bacteria and allergens.</p>

DC Inverter



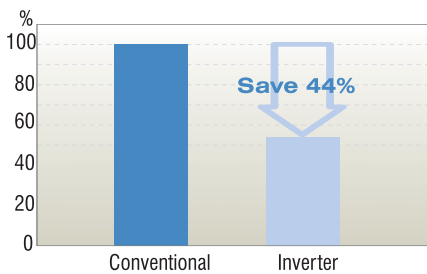
You may have heard the excitement about Inverter technology, LG Inverters are the pinnacle of energy efficiency due to the innovative operation. Rather than using a constant speed compressor, the LG Inverter system uses a variable speed compressor, which means the Cooling or Heating capacity of the Air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

Economical 1

High energy efficiency ensures a much more economical system

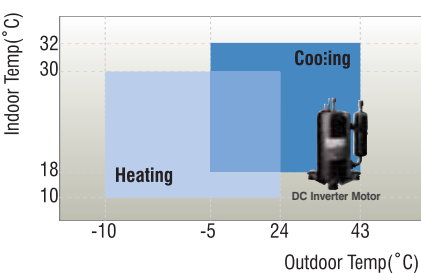
Energy Saving

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



DC Inverter Compressor

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

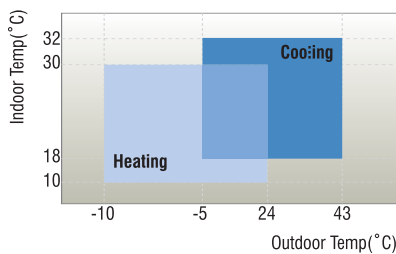


Powerful 2

Ensures rapid cooling in summer and rapid heating in winter

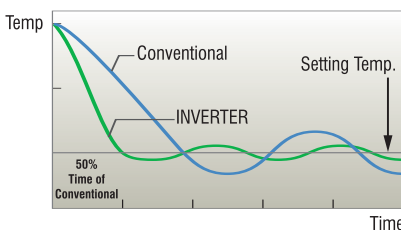
Powerful Heating Capacity

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



Quick Cooling & Heating

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



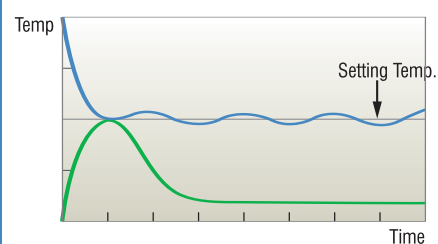
Comfortable 3

Attains and maintains set temperature fast with minimal noise

Pleasant Feeling

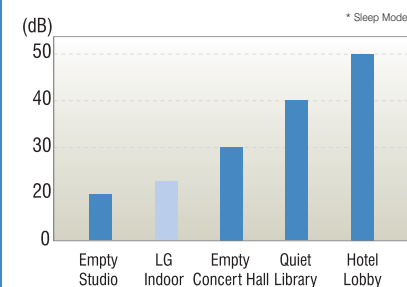
When the air conditioner is initially activated to either heat or cool, the compressor will operate at maximum speed to reach the desired temperature quickly. Once the desired temperature is achieved, unlike conventional air conditioners that turn the compressor on and off, LG inverter units adjust and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

INVERTER



Quiet Operation

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



unique features

room air conditioners

model line up 2007

Type	2.6	3.5	5.3	7	8.2	10
Artcool Gallery Type	 A09AW 1	 A012AW 1				
Artcool Mirror Type	 C09AW	 C012AW	 C018AW	 C024AW		
Artcool Panel Type	 A09AW	 A012AW				
Wall Mounted Inverter Type	 S09AW	 S12AW	 S18AW	 S24AW		
Wall Mounted Type	 S09AHP	 S12AHP	 S18AHP	 S24AHP	 S30AHP	 S36AHP

ART COOL Gallery



LG is proud to introduce the ARTCOOL gallery series.

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

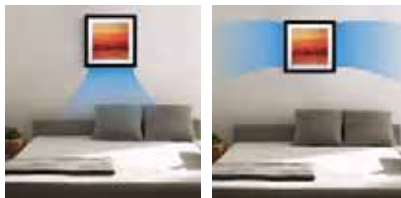
Photo Changeable

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



Digital Air Flow Control

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



Jet Cool
Speedy & Powerful

Sleep Mode
Indirectly & Softly

3 - Dimensional Air Flow

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



*Sample



A09AW1/A12AW1

ART COOL Gallery

A09AW1 NFO A12AW1 NFO

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat
- Natural Wind By CHAOS Swing • 3-Dimensional Air Flow
- Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation
- Healthy Dehumidification • Auto Restart
- One-Touch Air Filter (Anti-Bacteria)
- 24-Hour ON/OFF Setting Timer • Hot Start



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



2.6~3.5kW

Specification

Model	Indoor Unit Outdoor Unit		A09AW1 NFO A09AWU UFO	A12W1 NFO A12AWU UFO
Nominal Capacity	Cooling	kW	2.7	3.5
Capacity (UK)	Cooling	kW	2.4	3.1
Nominal Capacity (T1)	Heating	kW	3.5	4.2
Power Supply to Unit		V/Phase/Hz	240/1/50	240/1/50
Power supply to			indoor	indoor
Inter connecting Cables			4*15A	4*15A
cores and rating		No. Amps		
Running Current	Cooling	Amps	3.8	4.9
	Heating	Amps	4.4	5.2
Power Input	Cooling	kW	0.8	1.1
	Heating	kW	1	1.2
Start Current	Cooling	Amps	4.5	4.9
	Heating	Amps	5.2	5.7
Circuit Breaker		Amps	15	15
T1 EER	Cool	(W/W)	3.25	3.21
T1 COP	Heat	(W/W)	3.65	3.62
ECA compliant			y	y
Air Circulation	Indoor	(m3/min)	8	10.5
(High Speed)	Outdoor	(m3/min)	26	34
Sound Levels	Indoor	dB(A) +/-3 (at 1.0m)	42	42
(High Speed)	Outdoor	dB(A) +/-3 (at 1.0m)	48	48
Indoor Units	WxHxD	(mm)	600*600*145	600*600*145
Outdoor Units	WxHxD	(mm)	770*540*245	770*540*245
Indoor Units		(Kg)	14	14
Outdoor Units		(Kg)	34	34
Liquid		(Inch)	1/4	1/4
Suction		(Inch)	3/8	3/8
Drain (ID)		(mm)	16	16
Maximum Elevation		(m)	10	10
Max. Distance between In & Out		(m)	15	15
Factory charge		(Kg)	1	1
Charged for — m		(m)	7.5	7.5
Additional g/m		(g/m)	20	20
need a low ambient kit to cool in ambients of less than 20C		Yes/No	no	no

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb
UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

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

ART COOL Mirror

C18AW* N33
C24AW* N33

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat
- Natural Wind By CHAOS Swing • Changeable Colour Panel
- 4-Way Auto Swing • Auto Restart
- Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation
- Healthy Dehumidification • One-Touch Air Filter (Anti-Bacteria)
- 24-Hour ON/OFF Setting Timer • Hot Start



*Mirror
C18 / 24 AWR



*Blue

C18 / 24AWB



*White Wood

C18AWW



*Metal

C18 / 24AWM



5.3~7.0kW

Specification

Model	Indoor Unit Outdoor Unit		C18AW* N33 C18AWU U33	C24AW* N33 C24AWU U33
Nominal Capacity	Cooling	kW	5.3	7
Capacity (UK)	Cooling	kW	4.7	6.2
Nominal Capacity (T1)	Heating	kW	6.1	8
Power Supply to Unit		V/Phase/Hz	240/1/50	240/1/50
Power supply to			indoor	indoor
Inter connecting Cables			4 * 15A	4 * 15A
cores and rating	No. Amps			
Running Current	Cooling	Amps	7.5	11.5
	Heating	Amps	8.5	12.5
Power Input	Cooling	kW	1.6	2.6
	Heating	kW	1.9	2.8
Start Current	Cooling	Amps	7.5	11.5
	Heating	Amps	8.5	12.5
Circuit Breaker		Amps	15	15
T1 EER	Cool	(W/W)	3.23	2.7
T1 COP	Heat	(W/W)	3.21	2.84
ECA compliant			n	n
Air Circulation	Indoor	(m3/min)	14.2	16.6
(High Speed)	Outdoor	(m3/min)	42	45
Sound Levels	Indoor	dB(A) +/-3 (at 1.0m)	43	43
(High Speed)	Outdoor	dB(A) +/-3 (at 1.0m)	56	56
Indoor Units	WxHxD	(mm)	1170 x 315 x 173	1170 x 315 x 173
Outdoor Units	WxHxD	(mm)	870 x 655 x 320	870 x 655 x 320
Indoor Units		(Kg)	13	13
Outdoor Units		(Kg)	64	64
Liquid		(Inch)	1/4	3/8
Suction		(Inch)	1/2	5/8
Drain (ID)		(mm)	16	16
Maximum Elevation		(m)	15	15
Max. Distance between In & Out		(m)	30	30
Factory charge		(Kg)	1.2	1.5
Charged for — m		(m)	7.5	7.5
Additional g/m		(g/m)	20	30
need a low ambient kit to cool in ambients of less than 20C	Yes/No			

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb
UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.
Note: * indicates colour of panel (V: Silver, R: Mirror, B: Blue)

ART COOL Panel

A09AW* NF1 A12AW* NF1

- NEO Plasma Air Purifying System • Anti Corrosion Gold Fin
- Auto Cleaning • Auto Changeover • Jet Cool/Jet Heat
- Natural Wind By CHAOS Swing • 3-Dimensional Air Flow • Hot Start
- Wireless Remote Controller (Luminous) • Sleep Mode Auto Operation
- Quiet Operation • Healthy Dehumidification • Auto Restart
- One-Touch Air Filter (Anti-Bacteria) • 24-Hour ON/OFF Setting Timer



*White Silver
A09 / 12AWH



A09 / 12AWE

A09 / 12AWG

A09 / 12AW



2.6~3.5kW

Specification

Model	Indoor Unit Outdoor Unit		A09AW1 NF0 A09AWU UFO	A12AW 1NF0 A12AWU UFO
Nominal Capacity	Cooling	kW	2.7	3.5
Capacity (UK)	Cooling	kW	2.4	3.1
Nominal Capacity (T1)	Heating	kW	3.5	4.2
Power Supply to Unit		V/Phase/Hz	240/1/50	240/1/50
Power supply to			indoor	indoor
Inter connecting Cables cores and rating		No. Amps	4*15A	4*15A
Running Current	Cooling	Amps	3.8	4.9
	Heating	Amps	4.4	5.2
Power Input	Cooling	kW	0.8	1.1
	Heating	kW	1	1.2
Start Current	Cooling	Amps	4.5	4.9
	Heating	Amps	5.2	5.7
Circuit Breaker		Amps	15	15
T1 EER	Cool	(W/W)	3.25	3.21
T1 COP	Heat	(W/W)	3.65	3.62
ECA compliant			y	y
Air Circulation	Indoor	(m3/min)	8	10.5
	(High Speed) Outdoor	(m3/min)	26	34
Sound Levels	Indoor	dB(A)+/-3 (at 1.0m)	42	42
	(High Speed) Outdoor	dB(A)+/-3 (at 1.0m)	48	48
Indoor Units	WxHxD	(mm)	600*600*145	600*600*145
Outdoor Units	WxHxD	(mm)	770*540*245	770*540*245
Indoor Units		(Kg)	14	14
Outdoor Units		(Kg)	34	34
Liquid		(Inch)	1/4	1/4
Suction		(Inch)	3/8	3/8
Drain (ID)		(mm)	16	16
Maximum Elevation		(m)	10	10
Max. Distance between In & Out		(m)	15	15
Factory charge		(Kg)	1	1
Charged for — m		(m)	7.5	7.5
Additional g/m		(g/m)	20	20
need a low ambient kit to cool in ambients of less than 20C		Yes/No	no	no

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb
UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.
Note: * indicates colour of panel (V: Silver, R: Mirror, B: Blue)

wall mounted type

The most comfortable airflow for the human body can be found in nature. LG has applied the scientific Chaos theory to its Air Conditioning range, which effectively produces a natural, fresh breeze.

The Chaos theory is a technology that recreates the flow of natural air by controlling the angle of the movement of the air vane. Chaos Swing technology also minimises the temperature difference in the room, creating a more comfortable environment.

Anti Corrosion Gold Fin™

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

Salt Spray Test for 15 Days



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



Auto Clean

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

Conventional



LG Auto Clean



1 STEP

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

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

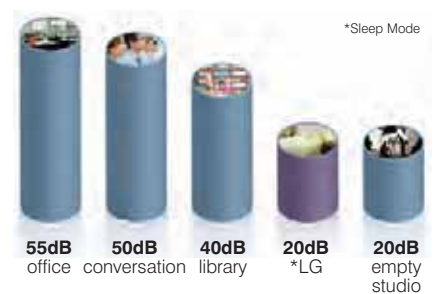


2 STEP

Removes moulds through the Neo Plasma system.

Quiet Operation

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



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

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

2. No-grille front panel

The full face panel reduces noise from the evaporator.

3. Conveniently attaches to the wall

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



wall mounted type

Easy Quick Clean System

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

1 STEP Ez-Detachable Grille



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

2 STEP Ez-Cleaning Filter



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

3 STEP Auto Clean Operation

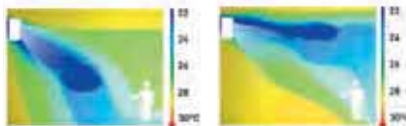


Moisture in the evaporator can increase the presence of germs and fungi. The Auto Clean Operation can reduce moisture for a fresh, soft, and dry condition.

Healthy Dehumidification

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

Indoor Temperature Distribution Chart

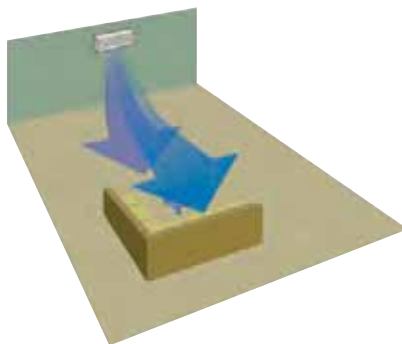


Conventional
Since the surrounding temperature is measured after the air from the unit is widely distributed, an accurate assessment of the air is not possible.

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

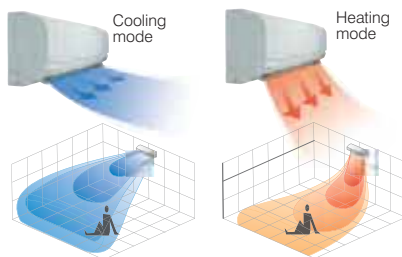
Jet Cool™

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



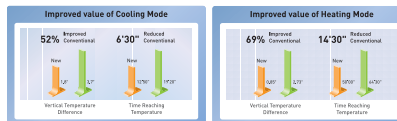
Optimized Cooling & Heating Air Flow

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



Even & Fast Air flow

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



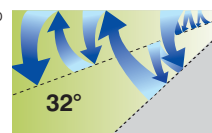
Chaos Swing

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

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



It swings at an angle two times wider than that of the existing Chaos swing, thus minimizing the difference in indoor temperatures and allowing air in every corner of the room.



The angle is twice wider.

4 Way Auto Swing

Most LG air conditioners automatically distribute the air 4-ways to eliminate hot and cold patches to keep the room at a more constant temperature.



wall mounted type

inverter wall mounted type

S09AW NEO / S12AW NEO S18AW N50 / S24AW N50

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat
- Natural Wind By CHAOS Swing • Auto Restart
- Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation
- Healthy Dehumidification • Hot Start
- One-Touch Air Filter (Anti-Bacteria)
- 24-Hour ON/OFF Setting Timer



S09/12AW NEO

S18AW N50
S24AW N50

2.6~3.5kW

5.3~7.0kW

Specification

Model	Indoor Unit Outdoor Unit		S09AW NEO S09AW UE0	S12AW NEO S12AW UE0	S18AW N50 S18AW U50	S24AW N50 S24AW U50
Nominal Capacity	Cooling	kW	2.6	3.5	5.3	7
Capacity (UK)	Cooling	kW	2.4	3.1	4.9	6.2
Nominal Capacity (T1)	Heating	kW	3.6	4	6.1	8.4
Power Supply to Unit		V/Phase/Hz	240/1/50	240/1/50	240/1/50	240/1/50
Power supply to			Indoor	Indoor	Indoor	Indoor
Inter connecting Cables			4 * 15A	4 * 15A	4 * 15A	4 * 15A
cores and rating	No. Amps					
Running Current	Cooling	Amps	3	4.8	7	11
	Heating	Amps	4	5.7	8	13
Power Input	Cooling	kW	0.7	1.1	1.6	2.5
	Heating	kW	0.9	1.3	1.7	3
Start Current	Cooling	Amps	3	4.8	7	11
	Heating	Amps	4	5.7	8	13
Circuit Breaker		Amps	15	15	20	30
T1 EER	Cool	(W/W)	4.05	3.23	3.31	2.81
T1 COP	Heat	(W/W)	4.14	3.63	3.59	2.83
ECA compliant			y	y	y	n
Air Circulation	Indoor	(m3/min)	8.5	9.5	13	18
(High Speed)	Outdoor	(m3/min)	29	29	42	42
Sound Levels	Indoor	dB(A) +/-3 (at 1.0m)	33	39	42	45
(High Speed)	Outdoor	dB(A) +/-3 (at 1.0m)	48	48	55	60
Indoor Units	WxHxD	(mm)	895*282*165	895 x 282 x 165	1090 x 300 x 180	1090 x 300 x 180
Outdoor Units	WxHxD	(mm)	770 x 545 x 245	770 x 545 x 245	870 x 655 x 320	870 x 808 x 320
Indoor Units		(Kg)	8	8	13	13
Outdoor Units		(Kg)	31	31	60	66
Liquid		(Inch)	1/4	1/4	1/4	3/8
Suction		(Inch)	3/8	3/8	1/2	5/8
Drain (ID)		(mm)	16	16	16	16
Maximum Elevation		(m)	10	7	15	15
Max. Distance between In & Out		(m)	20	15	30	30
Factory charge		(Kg)	1	1	1.2	1.8
Charged for — m		(m)	7.5	7.5	7.5	7.5
Additional g/m		(g/m)	20	20	20	30
need a low ambient kit to cool in ambients of less than 20C	Yes/No		no	no	no	no

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb
UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

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

wall mounted type

S09AHP N40D S12AHP NE0D

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat
- Natural Wind By CHAOS Swing • 4-Way Auto Swing
- Auto Restart • Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation
- Healthy Dehumidification • Hot Start
- One-Touch Air Filter (Anti-Bacteria)
- 24-Hour ON/OFF Setting Timer



2.3kW

2.8kW

Specification

Model	Indoor Unit	Outdoor Unit	S09AHP N40D S09AHP U40D	S12AHP NE0D S12AHP UE0D
Nominal Capacity	Cooling	kW	2.8	3
Capacity (UK)	Cooling	kW	2.6	2.8
Nominal Capacity (T1)	Heating	kW	3	3.3
Power Supply to Unit		V/Phase/Hz	240/1/50	240/1/50
Power supply to			Indoor	Indoor
Inter connecting Cables			5 * 15	5 * 15
cores and rating		No. Amps		
Running Current	Cooling	Amps	3.9	5
	Heating	Amps	4.2	5.1
Power Input	Cooling	kW	0.9	1.1
	Heating	kW	0.9	1.1
Start Current	Cooling	Amps	-	-
	Heating	Amps	-	-
Circuit Breaker		Amps	15	15
T1 EER	Cool	(W/W)	3.22	3.23
T1 COP	Heat	(W/W)	3.4	3.4
ECA compliant			y	y
Air Circulation	Indoor	(m3/min)	6.8	8.6
(High Speed)	Outdoor	(m3/min)	23	23
Sound Levels	Indoor	dB(A)+/-3 (at 1.0m)	32	40
(High Speed)	Outdoor	dB(A)+/-3 (at 1.0m)	47	49
Indoor Units	WxHxD	(mm)	840 x 270 x 153	840 x 270 x 153
Outdoor Units	WxHxD	(mm)	717 x 498 x 229	717 x 498 x 229
Indoor Units		(Kg)	7	7
Outdoor Units		(Kg)	25	25
Liquid		(Inch)	1/4	1/4
Suction		(Inch)	3/8	1/2
Drain (ID)		(mm)	12.2	12.2
Maximum Elevation		(m)	7	7
Max. Distance between In & Out		(m)	15	15
Factory charge		(Kg)	0.82	0.85
Charged for — m		(m)	7.5	7.5
Additional g/m		(g/m)	20	20
need a low ambient kit to cool in ambients of less than 20C		Yes/No	yes	yes

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb

UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

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

wall mounted type

S18AHP N51D S24AHP N52D

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat
- Natural Wind By CHAOS Swing
- 4-Way Auto Swing • Auto Restart
- Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation
- Healthy Dehumidification • Hot Start
- One-Touch Air Filter (Anti-Bacteria)
- 24-Hour ON/OFF Setting Timer



Specification

Model	Indoor Unit	Outdoor Unit	S18AHP N51D S18AHP U51D	S24AHP N52D S24AHP U52D
Nominal Capacity	Cooling	kW	5.4	7
Capacity (UK)	Cooling	kW	5	6.5
Nominal Capacity (T1)	Heating	kW	5.8	7
Power Supply to Unit		V/Phase/Hz	240/1/50	240/1/50
Power supply to			Indoor	Indoor
Inter connecting Cables			5 * 15	5 * 20
cores and rating		No. Amps		
Running Current	Cooling	Amps	8.2	10.2
	Heating	Amps	8.2	10.9
Power Input	Cooling	kW	1.8	2.3
	Heating	kW	1.8	2.5
Start Current	Cooling	Amps	-	-
	Heating	Amps	-	-
Circuit Breaker		Amps	15	20
T1 EER	Cool	(W/W)	3.01	3.01
T1 COP	Heat	(W/W)	3.2n	2.8
ECA compliant			14	n
Air Circulation	Indoor	(m3/min)	n	16
(High Speed)	Outdoor	(m3/min)	42	42
Sound Levels	Indoor	dB(A)+/-3 (at 1.0m)	40	44
(High Speed)	Outdoor	dB(A)+/-3 (at 1.0m)	56	56
Indoor Units	WxHxD	(mm)	1090 x 300 x 178	1090 x 300 x 178
Outdoor Units	WxHxD	(mm)	870 x 577 x 276	870 x 577 x 320
Indoor Units		(Kg)	13.5	13.5
Outdoor Units		(Kg)	50	60
Liquid		(Inch)	1/4	3/8
Suction		(Inch)	1/2	5/8
Drain (ID)		(mm)	12.2	12.2
Maximum Elevation		(m)	15	15
Max. Distance between In & Out		(m)	30	30
Factory charge		(Kg)	1.25	1.6
Charged for — m		(m)	7.5	7.5
Additional g/m		(g/m)	20	30
need a low ambient kit to cool in ambients of less than 20C		Yes/No	yes	yes

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb
UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

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

www.lgaircon.co.uk **LG Air Conditioning** wall mounted type

wall mounted type

S30AHP NM0L (S36AHP NN0L)

- NEO Plasma Air Purifying System
- Anti Corrosion Gold Fin • Auto Cleaning
- Auto Changeover • Jet Cool/Jet Heat
- Natural Wind By CHAOS Swing
- 4-Way Auto Swing • Auto Restart
- Wireless Remote Controller (Luminous)
- Sleep Mode Auto Operation • Quiet Operation
- Healthy Dehumidification • Hot Start
- One-Touch Air Filter (Anti-Bacteria)
- 24-Hour ON/OFF Setting Timer



Specification

Model	Indoor Unit Outdoor Unit		S30AHP NM0L S30AHP UM0L	S36AHP NN0L S36AHP UN0L
Nominal Capacity	Cooling	kW	8.2	10
Capacity (UK)	Cooling	kW	7.6	9.3
Nominal Capacity (T1)	Heating	kW	8.5	10.3
Power Supply to Unit		V/Phase/Hz	240/1/50	240/1/50
Power supply to			Outdoor	Outdoor
Inter connecting Cables cores and rating		No. Amps	4 * 5A	4 * 5A
Running Current	Cooling	Amps	13.5	17
	Heating	Amps	14	17
Power Input	Cooling	kW	3.1	3.7
	Heating	kW	3.2	3.7
Start Current	Cooling	Amps	85	88
	Heating	Amps	85	96
Circuit Breaker		Amps	30	30
T1 EER	Cool	(W/W)	2.65	2.69
T1 COP	Heat	(W/W)	2.66	2.77
ECA compliant			n	n
Air Circulation	Indoor	(m3/min)	21	26
(High Speed)	Outdoor	(m3/min)	58	58
Sound Levels	Indoor	dB(A)+/-3 (at 1.0m)	49	50
(High Speed)	Outdoor	dB(A)+/-3 (at 1.0m)	62	60
Indoor Units	WxHxD	(mm)	1259 x 349 x 205	1499 x 349 x 205
Outdoor Units	WxHxD	(mm)	870 x 800 x 320	870 x 1060 x 320
Indoor Units		(Kg)	20	25
Outdoor Units		(Kg)	72	80
Liquid		(Inch)	3/8	3/8
Suction		(Inch)	5/8	3/4
Drain (ID)		(mm)	30	30
Maximum Elevation		(m)	15	15
Max. Distance between In & Out		(m)	30	30
Factory charge		(Kg)	2.35	2.75
Charged for — m		(m)	7.5	7.5
Additional g/m		(g/m)	30	50
need a low ambient kit to cool in ambients of less than 20C		Yes/No	yes	yes







































T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb

UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

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

wall mounted type

commercial air conditioners model line up 2007

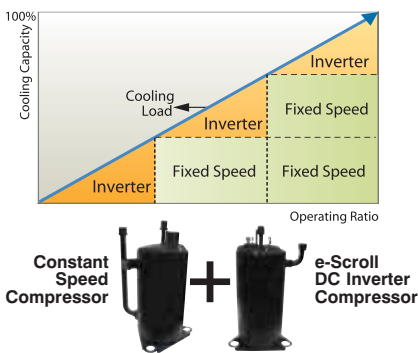
Type	3.5	5.3	7.1	8.8	10.1	12.3	14.1	17.6		
Ceiling Cassette Type	 UT12 NEC	 UT18 NEC	 UT24 NFC	 UT30 NFC	 UT36 NDC		 UT48 NDC	 UT60 NDC		
Ceiling Concealed Duct Type		 UB18 NHC	 UB24 NHC	 UB30 NGC	 UB36 NGC		 UB48 NRC	 UB60 NRC		
Ceiling and Floor Type	 UV12 NEC	 UV18 NBC	 UV24 NBC	 UV30 NBC						
Ceiling Suspended Type					 UV36 NKC		 UV48 NLC	 UV60 NLC		
Outdoor Heat Pump		 UU18 UEC	 UU24 UEC	 UU30 UEC	 UU37 UEC		 UU48 UHC	 UU60 UHB	 UU72 UYC (21.1kW)	 UU100 UWC (28kW)
DC Inverter	 UU12W UEC	 UU18W UEC	 UU24W UEC	 UU30W UEC	 UU36W UHC		 UU48W UYB	 UU60W UYB		
Floor Standing Type					 P03AH SR1	 P05AH UL2		 P08AH UE1 (21.1kW)		

MPS Inverter System



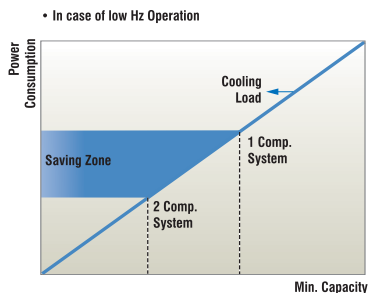
Max. energy saving with MPS Inverter control

LG MPS (Multi Power System) inverter is an energy saving air-conditioning system which uses either one or two highly efficient constant speed compressors and a DC inverter compressor.



Energy saving with MPS inverter control

MPS Inverter system operates one cycle with two compressors. When the load is small, only one compressor completes the cycle at low operation as explained in the diagram below. This results in reduced energy consumption as compared to a conventional inverter system that uses only one large inverter compressor.



Low noise & Vibration e-Scroll Compressor

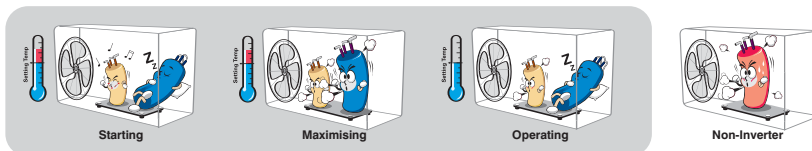
LG MPS consists of two or more compressors to perform at its best depending on cooling load. When required, only one compressor will operate resulting in less vibration and noise.

- Low Vibration and Noise
- Soft Start Operation



What is LG MPS Inverter System?

- Load is low : Only Inverter Comp.
- Load is high : Inverter Comp + Constant Comp

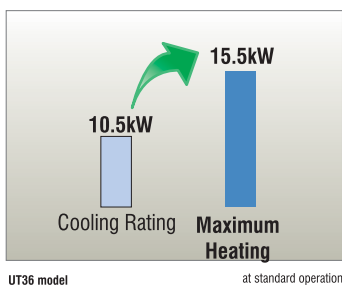


LG MPS Inverter

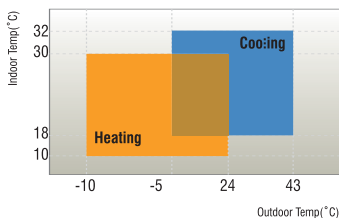
MPS is a power saving system with dual compressors of different capacity (60% & 40%). Variable load matching is achieved with constant speed & inverter control compressors. Fast pull down & warm up is achieved through MPS and with power reduction as room temperature is reached.

Powerful Heating Capacity

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



UT36 model at standard operation

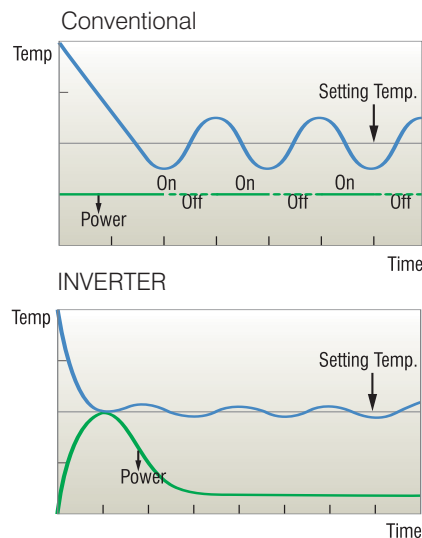


Conventional (On/Off Operation)

During a conventional air conditioning cycle, the compressor must constantly turn on and off in order to maintain the desired temperature setting. A large amount of power is used during the restart resulting in unnecessary energy consumption.

Comfortable with Fast Cooling & Heating Performance

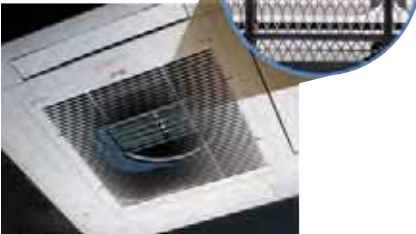
When the air conditioner is initially activated to either heat or cool, the compressor will operate at maximum speed to reach the desired temperature quickly. Once the desired temperature is achieved, unlike conventional air conditioners that turn the compressor on and off, LG inverter units constantly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



ceiling cassette type

LG "Ceiling Cassette" is a indoor unit which is 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 maintain even cooling.

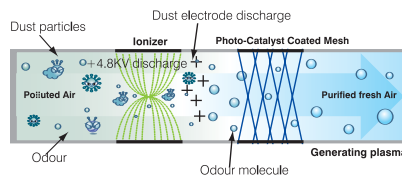
Reducing the symptoms of allergies with less dust and odour.



PLASMA Air Purifying System (Optional)

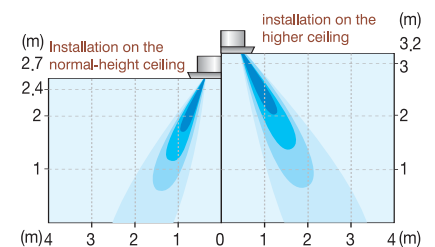
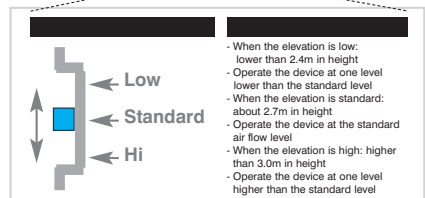
LG's unique PLASMA Air Purifying System not only reduces microscopic contaminants and dust, but also filters house mites, pollen and even pet fur to ease allergy and asthma symptoms.

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.



Function to Control the Air Volume by Ceiling Height

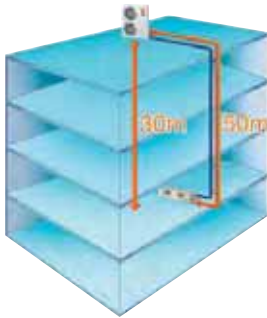
Control of the air intensity has been made possible by employing a height-control algorithm for the interior fan.



ceiling cassette type

Long Distance, High Elevation Piping

LG air conditioners (cassette and concealed duct models) can be installed (up to 50m) apart with level difference (up to 30m).



Super Low Power Consumption Use in Standby Mode by Adopting SMPS

(Switching Mode Power Supply)

Power waste due to standby power

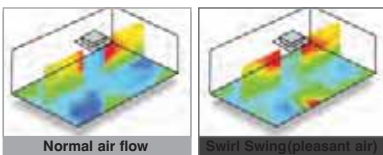
- Power is wasted if a plug is connected to an outlet even though the appliance is turned off.

Development of super power-saving SMPS (Switching Mode Power Supply)

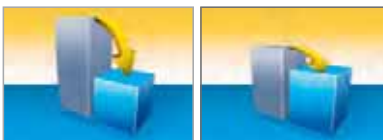
- Low standby power function reducing standby power by 90%.

Swirl Swing

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



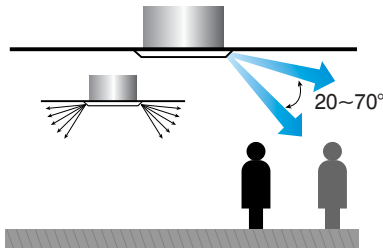
• Comparison of temperatures



Vertical Temp. Differences Horizontal Temp. Differences

Space Control

The vane angle can be set in two positions to give optimum indoor comfort. It can be controlled by wired remote control to eliminate direct drafts which can lead to discomfort and reduced productivity.



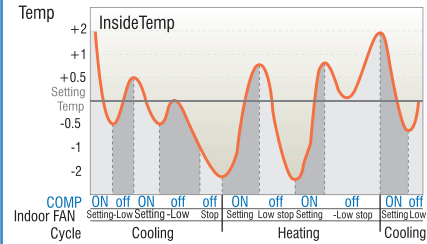
High Ceiling Operation

Depending on the height of the installation, LG air conditioners allow you to vary the speed of the indoor fan motor.

When installation is low, the RPM can be reduced, but it can also be increased when the installation is high to ensure optimum comfort levels. The speed can be adjusted via the slide switch on the back of the LCD wired remote.

Auto Changeover

The air conditioner will switch automatically from cooling to heating modes depending on the set temperature.



LCD Wired Remote Controller

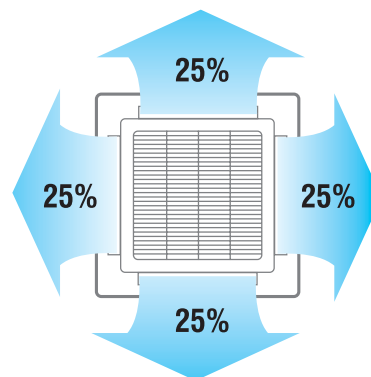
- 24-Hour ON/ OFF Timer in 1 hour intervals
- TEST RUN Mode
- Self-Diagnosis function
- 3-Step Fan Speed selection
- Operation Indication
- Room Temperature Display
- Only 20mm thick

Option
- Wireless Remote controller



Optimal Air Distribution

- Optimal air distribution with 4-way directional Air flow system.
- 4-way Auto Swing



ceiling cassette type

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

- Plasma Air Purifying System
- Anti Corrosion Gold Fin (Outdoor)
- Weekly Program • Turbo Fan
- High Head Drain Pump • Auto Changeover
- Low Standby Power • Auto Restart
- Central Controller (Accessory) • Child Lock Function
- Easy-to-Clean Air Filter • Two Thermistor Control
- Optimal Air Distribution

**Specification**

Model	Indoor Unit Grille			UT12 NEC	UT18 NEC	UT24 NFC	UT30 NFC	UT36 NDC	UT48 NDC	UT60 NDC
				PT-HEC	PT-HEC	PT-HFC	PT-HFC	PT-HDC	PT-HDC	PT-HDC
Nominal Capacity	Cooling	kW		3.5	5.3	7	8.8	10.6	14.1	15.8
Capacity (UK)	Cooling	kW		3.1	4.7	6.2	7.8	9.3	12.4	14.0
Nominal Capacity (T1)	Heating	kW		4	5.8	7.7	9.7	11.6	15.5	17.4
Power Supply to Unit	V/Phase/Hz			240/1/50	240/1/50	240/1/50	240/1/50	415/3/50	415/3/50	415/3/50
Power supply to				Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Inter connecting Cables				4 * 5A	4 * 5A	4 * 5A	4 * 5A	4 * 5A	4 * 5A	4 * 5A
cores and rating	No. Amps									
Air Circulation	Indoor	(m3/min)		9.5	13	15	19	25	30	34.0
Sound Levels	Indoor	dB(A) +/-3 (at 1.0m)		38	41	43	45	40	43	50
Indoor Units	WxHxD	(mm)		570 x 269 x 570	570 x 269 x 570	744 x 292 x 744	744 x 292 x 744	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Panel Section	WxHxD	(mm)		670 x 30 x 670	670 x 30 x 670	850 x 30 x 850	850 x 30 x 850	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950
Indoor Units		(Kg)		19	19	24	24	32	32	32
Liquid		(Inch)		1/4	1/4	1/4	1/4	1/4	3/8	3/8
Suction		(Inch)		3/8	1/2	1/2	5/8	5/8	3/4	3/4
Drain (ID)		(mm)		32	32	32	32	32	32	32.0

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb
UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

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

ceiling concealed duct type

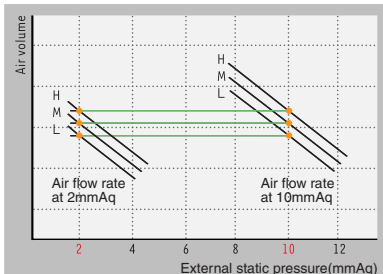
Hidden in the ceiling, this product is suitable for applications that require floor level or individual level air conditioning for buildings where there are many rooms or halls, such as restaurants, concert halls and hotels. Installation is not hindered by the location of lighting fixtures or room structure,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



E.S.P: External Static Pressure

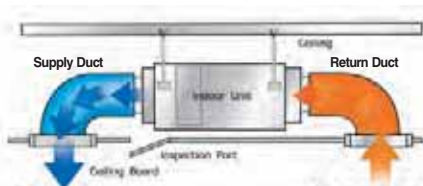
Desired Air flowrate is obtained by controlling the phase of motor while installing the product this makes your duct work system flexible.

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



Quiet Operation & Easy Service

This product will guarantee you lower sound level and less service expenses.

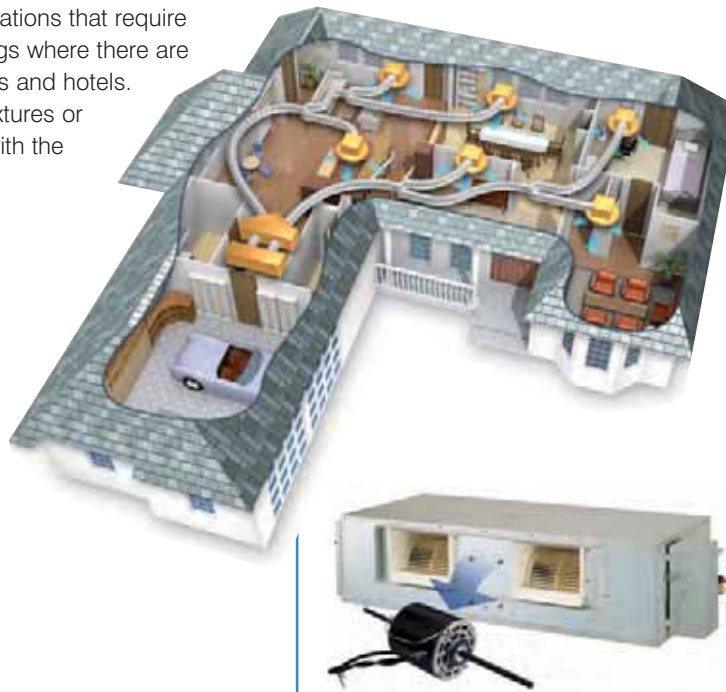
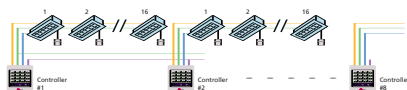


Central Controller

Operation Summary

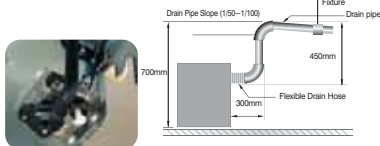
LG units come with advanced control options, take for instance the Central Controller. Designed for the commercial application, where multiple Air Conditioning units have been installed.

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



High Head Drain Pump

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



Weekly Program

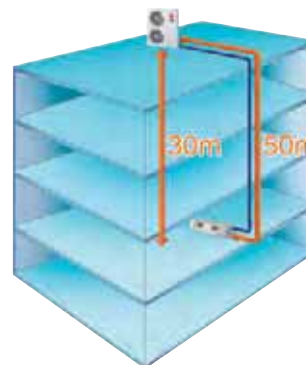
- LCD Wired Remote Controller
- 24-Hour ON/ OFF Timer in 1 hour intervals
- TEST RUN Mode
- Self-Diagnosis function
- 3-Step Fan Speed selection
- Operation Indication
- Room Temperature Display
- Only 20mm thick

Option
-Wireless Remote controller



Long Distance, High Elevation Piping

Our LG Air Conditioners(Cassette and Concealed duct model) can be installed (Max 50m) apart with up to 30m level difference.



ceiling concealed duct type

ceiling concealed duct type

UB18 / UB24 / UB30 UB36 / UB48 / UB60

- Weekly Program • Auto Changeover
- Two Thermistor Control • Group Control
- 24-Hour ON/OFF • Child Lock Function
- Auto Restart • Hot Start (Heat pump Model)
- Anti Corrosion Gold Fin (Outdoor)
- Zone Control (Accessory)
- Central controller (Accessory)



Specification

Model	Indoor Unit Outdoor Unit	UB18 NHC	UB24 NHC	UB30 NGC	UB36 NGC	UB48 NGC	UB60 NRC
Nominal Capacity	Cooling kW	5.3	7	9.4	10.6	14.1	15.8
Capacity (UK)	Cooling kW	4.7	6.2	8.3	9.3	12.4	14
Nominal Capacity (T1)	Heating kW	5.8	7.7	10.3	11.6	15.5	17.4
Power Supply to Unit	V/Phase/Hz	240/1/50	240/1/50	240/1/50	415/3/50	415/3/50	415/3/50
Power supply to		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Inter connecting Cables		4 * 5A	4 * 5A	4 * 5A	4 * 5A	4 * 5A	4 * 5A
cores and rating	No. Amps						
Air Circulation	Indoor (m3/min)	16.5	18	26.5	32	40	50
Sound Levels	Indoor dB(A) +/-3 (at 1.0m)	36	38	38	42	44	46
Indoor Units	WxHxD (mm)	880 x 260 x 450	880 x 260 450	1180 x 298 x 450	1180 x 298 x 450	1230 x 380 x 590	1230 x 380 590
Panel Section	WxHxD (mm)	N/A	N/A	N/A	N/A	N/A	N/A
Indoor Units	(Kg)	35	35	38	38	60	60
Liquid	(Inch)	1/4	1/4	1/4	1/4	3/8	3/8
Suction	(Inch)	1/2	1/2	5/8	5/8	3/4	3/4
Drain (ID)	(mm)	32	32	32	32	32	32

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb
UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

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

ceiling and floor / ceiling suspended type

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.

Upgraded Function



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



Gold Fin™ Anti Corrosion

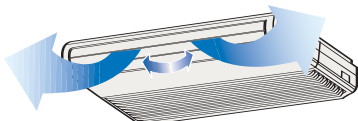
LG's Outdoor Heat Exchanger is coated with a golden anti-corrosive epoxy treatment on the aluminum coil to minimise corrosion. This maintains heat transfer properties of the coil for an extended time where as non-Gold Fin coils progressively lose efficiency due to surface corrosion. Standard on every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



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

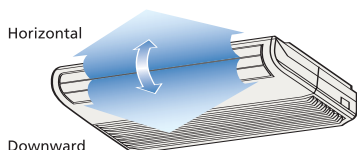
Airflow Direction Control Horizontal Airflow Direction Control.

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.



Compact Size



- 900 x 200 x 490 (12K)



- 1200 x 205 x 615 (18, 24 and 30K)



ceiling and floor type

UV12 / UV18 UV24 / UV30

- Anti Corrosion Gold Fin
- Natural Wind Operation
- Wireless Remote Controller
- Sleep Operation
- Auto Changeover
- Soft Dry Operation
- 24-Hour ON/OFF Setting Timer
- Auto Restart



Specification

Model	Indoor Unit Outdoor Unit	UV12 NEC	UV18 NBC	UV24 NBC	UV30 NBC	UV48 NLC	UV60 NLC	
Nominal Capacity	Cooling	kW	3.5	5.3	7	8.8	14.1	15.2
Capacity (UK)	Cooling	kW	3.1	4.6	6.2	7.2	12.4	13.5
Nominal Capacity (T1)	Heating	kW	4	5.8	7.7	9.4	15.5	17.6
Power Supply to Unit	V/Phase/Hz	240/1/50	240/1/50	240/1/50	240/1/50	415/3/50	415/3/50	
Power supply to		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	
Inter connecting Cables cores and rating	No. Amps	4 * 5A	4 * 5A	4 * 5A	4 * 5A	4 * 5A	4 * 5A	
Air Circulation	Indoor	(m ³ /min)	10	13.5	15	18	36.0	40.0
Sound Levels	Indoor	dB(A) +/-3 (at 1.0m)	40	43	45	45	54	56
Indoor Units	WxHxD	(mm)	900 x 200 x 490	1200 x 205 x 615	1200 x 205 x 615	1200 x 205 x 615	1750 x 220 x 630	1750 x 220 x 630
Panel Section	WxHxD	(mm)	N/A	N/A	N/A	N/A	N/A	N/A
Indoor Units		(Kg)	12	30	30	30	45	45
Liquid		(Inch)	1/4	1/4	1/4	1/4	3/8	3/8
Suction		(Inch)	3/8	1/2	1/2	5/8	3/4	3/4
Drain (ID)		(mm)	20	20	20	20	20.0	20.0

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb

UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

Note: Due to our policy of innovation some specifications may be changed without notification.
Note: UV48 and 60NLC can NOT be used with 1 phase inverter condensers or Synchro systems.

fixed speed condensers

UU12 / UU18
UU24 / UU30
UU37 / UU48
UU60

- Anti Corrosion Gold Fin • Natural Wind Operation
- Wireless Remote Controller • Sleep Operation
- Auto Changeover • Soft Dry Operation
- 24-Hour ON/OFF Setting Timer • Auto Restart



Specification

Model	Indoor Unit	Outdoor Unit	UU12ULC	UU18UEC	UU24UEC	UU30UEC	UU37UEC	UU48UHC	UU60UHB
Nominal Capacity	Cooling	kW	3.5	5.3	7	8.8	10.6	14.1	15.8
Capacity (UK)	Cooling	kW	3.1	4.7	6.2	7.8	9.3	12.4	14
Nominal Capacity (T1)	Heating	kW	4	5.8	7.7	9.7	11.6	15.5	17.4
Power Supply to Unit	V/Phase/Hz		240/1/50	240/1/50	240/1/50	240/1/50	415/3/50	415/3/50	415/3/50
Power supply to			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Inter connecting Cables	No. Amps		4 * 5A	4 * 5A	4 * 5A	4 * 5A	4 * 5A	4 * 5A	4 * 5A
Running Current	Cooling	Amps	6.5	9	12	19.2	7.9	12.7	13.5
	Heating	Amps	6.6	9.9	13.1	19.5	7.1	11.7	13.8
Power Input	Cooling	kW	1.3	1.9	2.5	4	4.1	5.8	6.6
	Heating	kW	1.4	2.1	2.8	4	3.6	5.5	6.7
Start Current	Cooling	Amps	24	35	62	35	18	42	63
	Heating	Amps	24	35	62	35	18	42	63
Circuit Breaker	Amps		16	16	20	32	20	20	32
T1 EER	Cool	(W/W)	2.7	2.8	2.8	2.2	2.6	2.4	2.4
T1 COP	Heat	(W/W)	2.9	2.8	2.8	2.4	3.2	2.8	2.6
ECA compliant			n	n	n	n	n	n	n
Air Circulation	Outdoor	(m3/min)	26	58	58	53	64	106	106
Sound Levels	Outdoor	dB(A)+/-3 (at 1.0m)	47	52	52	53	52	57	57
Outdoor Units	WxHxD	(mm)	770 x 540 x 245	870 x 655 x 320	870 x 808 x 320	870 x 808 x 320	870 x 1060 x 320	900 x 1165 x 370	900 x 1165 x 370
Outdoor Units	(Kg)		31	52	60	64	80	105	93
Liquid	(Inch)		1/4	1/4	1/4	1/4	1/4	3/8	3/8
Suction	(Inch)		3/8	1/2	1/2	5/8	5/8	3/4	3/4
Drain (ID)	(mm)		32	32	32	32	32	32	32
Maximum Elevation	(m)		10	30	30	30	30	30	30
Max. Distance between In & Out	(m)		15	50	50	50	50	50	50
Factory charge	(Kg)		1.2	1.3	1.95	2.1	2.6	4.2	4.7
Charged for — m	(m)		7.5	7.5	7.5	7.5	7.5	30	30
Additional g/m	(g/m)		20	35	35	35	40	70	80

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb
UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

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

inverter condensers

UU12W / UU18W
UU24W / UU30W
UU36W / UU48W
UU60W

- Anti Corrosion Gold Fin • Natural Wind Operation
- Wireless Remote Controller • Sleep Operation
- Auto Changeover • Soft Dry Operation
- 24-Hour ON/OFF Setting Timer • Auto Restart



Specification

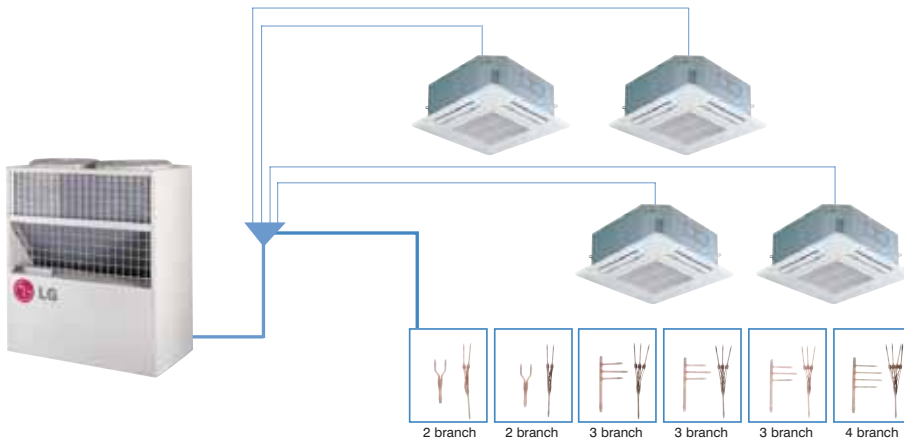
Model	Indoor Unit		Outdoor Unit		UU12W-UEB	UU18W-UEB	UU24W-UEB	UU30W-UEB	UU36WUEB	UU48WUYB	UU60WUYB
Nominal Capacity	Cooling	kW	3.5	5.3	7	7.7	10.6	14.1	16.4		
Capacity (UK)	Cooling	kW	3.3	5	6.6	7.3	10	13.3	15.4		
Nominal Capacity (T1)	Heating	kW	4	6	8.1	8.9	12.2	16.1	18.9		
Power Supply to Unit		V/Phase/Hz	240/1/50	240/1/50	240/1/50	240/1/50	240/1/50	240/1/50	240/1/50	240/1/50	240/1/50
Power supply to			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Inter connecting Cables			4 * 5A	4 * 5A	4 * 5A	4 * 5A	4 * 5A	4 * 5A	4 * 5A	4 * 5A	4 * 5A
cores and rating		No. Amps									
Running Current	Cooling	Amps	7.1	8.1	13.8	13.6	20.9	26.6	31.3		
	Heating	Amps	6.5	11.2	14.3	20.3	23.1	27.3	35.5		
Power Input	Cooling	kW	1.1	1.6	2.2	2.4	3.3	4.9	5.8		
	Heating	kW	1.1	1.7	2.2	2.4	3.3	5	6.6		
Start Current	Cooling	Amps	17	17	31	35	67	43	74		
	Heating	Amps	17	17	31	35	67	43	74		
Circuit Breaker		Amps	16	16	20	20	32	50	63		
T1 EER	Cool	(W/W)	3.2	3.3	3.2	3.2	3.2	2.9	2.8		
T1 COP	Heat	(W/W)	3.6	3.5	3.7	3.7	3.3	2.9	2.4		
ECA compliant			y	y	y	y	n	n	n		
Air Circulation	Outdoor	(m3/min)	50	50	51	64	53	90	90		
Sound Levels	Outdoor	dB(A)+/-3 (at 1.0m)	51	51	52	50	58	59	59		
Outdoor Units	WxHxD	(mm)	870 x 655 x 320	870 x 655 x 320	870 x 808 x 320	870 x 1060 x 320	900 x 1165 x 370	806 x 1507 x 690	806 x 1507 x 690		
Outdoor Units	(Kg)		46	52	69	80	105	142	148		
Liquid	(Inch)		1/4	1/4	1/4	1/4	1/4	3/8	3/8		
Suction	(Inch)		3/8	1/2	1/2	5/8	5/8	3/4	3/4		
Drain (ID)	(mm)		20	20	20	20					
Maximum Elevation	(m)		10	30	30	30	30	30	30		
Max. Distance between In & Out	(m)		15	40	50	50	50	70	70		
Factory charge	(Kg)		1.1	1.5	1.75	2.1	3.5	7.1	7.1		
Charged for — m	(m)		7.5	7.5	7.5	7.5	7.5	30	30		
Additional g/m	(g/m)		20	25	30	35	35	50	50		

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb
UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

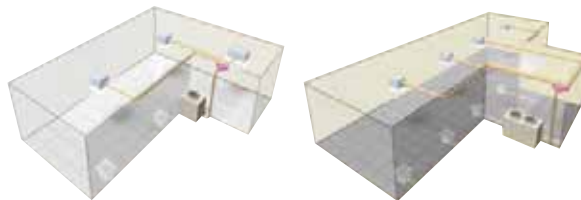
Note: Due to our policy of innovation some specifications may be changed without notification.

synchro

- Simultaneously On/Off (1 Cycle)
- Connectable up to 4 indoor units
- Using simple branch piping
- MPS Inverter : 48/60K Btu/h
- MPS Variable : 48/72/100K Btu/h



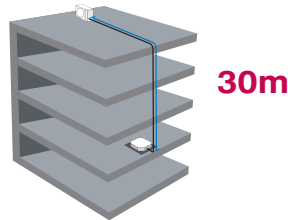
- Easy Installation : Chargeless 30 m (MPS Inverter : 48/60K)
- High Efficiency & Low Noise
 - MPS Inverter / Variable technology is applied
- Right for Various shape of Open Space (L,T shape)



- Choice of various indoor type



- Long piping length and high elevation
 - Max. piping length: 110m
 - Max. elevation: 30m (*based on 100k Btu/h)



synchro (fixed speed)

UU48 / UU72 / UU100

heat pump



(UU48)



(UU72)



(UU100)

Specification

Model	Indoor Unit	Outdoor Unit	UU48 UHC	UU72 UYC	UU100 UWC
Nominal Capacity	Cooling	kW	14.1	*	*
Capacity (UK)	Cooling	kW	12.4	*	*
Nominal Capacity (T1)	Heating	kW	15.5	*	*
Power Supply to Unit		V/Phase/Hz	415/3/50	415/3/50	415/3/50
Power supply to			Outdoor	Outdoor	Outdoor
Inter connecting Cables			4 * 5A	4 * 5A	4 * 5A
cores and rating		No. Amps			
Running Current	Cooling	Amps	12.7	14.7	20
	Heating	Amps	11.7	14.4	19.7
Power Input	Cooling	kW	5.8	*	*
	Heating	kW	5.5	*	*
Start Current	Cooling	Amps	42		
	Heating	Amps	42		
Circuit Breaker		Amps	20	32	50
T1 EER	Cool	(W/W)	2.4	*	*
T1 COP	Heat	(W/W)	2.8	*	*
ECA compliant			n	n	n
Air Circulation (High Speed)	Outdoor	(m ³ /min)	106	90	185
Sound Levels (High Speed)	Outdoor	dB(A) +/-3 (at 1.0m)	57	58	60
Outdoor Units	WxHxD	(mm)	900 x 1165 x 370	806x1507x690	1280x1555x690
Outdoor Units		(Kg)	105	150	299
Liquid		(Inch)	3/8	3/8	1/2
Suction		(Inch)	3/4	1	1
Maximum Elevation		(m)	30	30	30
Max. Distance between In & Out		(m)	50	110	110
Factory charge		(Kg)	4.2	7.1	7.8
Charged for — m		(m)	30	*	*
Additional g/m		(g/m)	70	*	*

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb
UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

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

synchro (inverter)

UU48W / UU60W

DC inverter



synchro

Specification

Model	Indoor Unit Outdoor Unit		UU48W UYB	UU60W UYB
Nominal Capacity	Cooling	kW	14.1	16.4
Capacity (UK)	Cooling	kW	13.3	15.4
Nominal Capacity (T1)	Heating	kW	16.1	18.9
Power Supply to Unit		V/Phase/Hz	240/1/50	240/1/50
Power supply to			Outdoor	Outdoor
Inter connecting Cables			4 * 5A	4 * 5A
cores and rating		No. Amps		
Running Current	Cooling	Amps	26.6	31.3
	Heating	Amps	27.3	35.5
Power Input	Cooling	kW	4.9	5.8
	Heating	kW	5	6.6
Start Current	Cooling	Amps	43	74
	Heating	Amps	43	74
Circuit Breaker		Amps	50	63
T1 EER	Cool	(W/W)	2.9	2.8
T1 COP	Heat	(W/W)	2.9	2.4
ECA compliant			n	n
Air Circulation (High Speed)	Outdoor	(m3/min)	90	90
Sound Levels (High Speed)	Outdoor	dB(A) +/-3 (at 1.0m)	59	59
Outdoor Units	WxHxD	(mm)	806x1507x690	806x1507x690
Outdoor Units		(Kg)	142	148
Liquid		(Inch)	3/8	3/8
Suction		(Inch)	3/4	3/4
Maximum Elevation		(m)	30	30
Max. Distance between In & Out		(m)	70	70
Factory charge		(Kg)	7.1	7.1
Charged for — m		(m)	30	30
Additional g/m		(g/m)	50	50

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb

UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

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

synchro combination table

UU48 UHC

Type	Combination of Indoor Units (k Btu/h)		Cooling Capacity		Current (A)	Input (W)
			Rating			
	Possibility	Total	Btu/h	kW		
DUO	18+24	42	42,000	12.31	10	5.3
	24+24	48	48,000	14.07	10	5.3
	24+30	54	48,000	14.07	10	5.3
TRIO	18+18+18	54	48,000	14.07	10	5.3
QUARTET	12+12+12+12	48	48,000	14.07	10	5.3

Type	Combination of Indoor Units (k Btu/h)		Heating Capacity		Current (A)	Input (W)
			Rating			
	Possibility	Total	Btu/h	kW		
DUO	18+24	42	47,000	13.9	9.5	5.05
	24+24	48	52,800	15.5	9.5	5.05
	24+30	54	52,800	15.5	9.5	5.05
TRIO	18+18+18	54	52,800	15.5	9.5	5.05
QUARTET	12+12+12+12	48	52,800	15.5	9.5	5.05

UU72 UYC

Type	Combination of Indoor Units (1K Btu/h)		Cooling Capacity				Heating Capacity			
			Rating		Current (A)	Current (A)	Rating		Current (A)	Input (W)
	Possibility	Total	Btu/h	kW			Btu/h	kW		
DUO	30+36	66	66,000	19.3	14.7	8.0	72,200	22.6	14.4	7.7
	36+36	72	72,000	21.1	14.7	8.0	79,200	23.2	14.4	7.7
TRIO	18+24+24	62	72,000	21.1	14.7	8.0	79,200	23.2	14.4	7.7
	18+18+36	72	72,000	21.1	14.7	8.0	79,200	23.2	14.4	7.7
	24+24+24	72	72,000	21.1	14.7	8.0	79,200	23.2	14.4	7.7
	24+24+30	78	72,000	21.1	14.7	8.0	79,200	23.2	14.4	7.7
QUARTET	18+18+18+18	64	72,000	21.1	14.7	8.0	79,200	23.2	14.4	7.7

UU100 UWC

Type	Combination of Indoor Units (1K Btu/h)		Cooling Capacity				Heating Capacity			
			Rating		Current (A)	Input (W)	Rating		Current (A)	Input (W)
	Possibility	Total	Btu/h	kW			Btu/h	kW		
DUO	36+48	84	84,000	24.6	20	11.1	96,600	28.3	19.7	11.0
	36+60	96	96,000	28.1	20	11.1	110,400	32.4	19.7	11.0
	48+48	96	96,000	28.1	20	11.1	110,400	32.4	19.7	11.0
TRIO	24+24+36	84	84,000	24.6	20	11.1	96,600	28.3	19.7	11.0
	24+30+30	84	84,000	24.6	20	11.1	96,600	28.3	19.7	11.0
	30+30+30	90	90,000	26.4	20	11.1	103,500	30.3	19.7	11.0
	30+30+36	96	96,000	28.1	20	11.1	110,400	32.4	19.7	11.0
	30+36+36	102	102,000	29.9	20	11.1	117,300	34.4	19.7	11.0
QUARTET	24+24+24+24	96	96,000	28.1	20	11.1	110,400	28.1	19.7	11.0

synchro combination table

UU48W UYB

Type	Combination of Indoor Units (k Btu/h)		Cooling Capacity						Current (A)			Input (W)		
			Min		Rating		Max		Min	Rating	Max	Min	Rating	Max
	Possibility	Total	Btu/h	kw	Btu/h	kW	Btu/h	kW						
DUO	18+24	42	16,325	4.8	42,000	12.31	48,300	14.16	8.5	19.3	22.2	1,897	4,312	4,959
	24+24	48	18,657	5.5	48,000	14.07	55,200	16.18	9.7	22.0	24.7	2,155	4,751	5,500
	24+30	54	18,657	5.5	48,000	14.07	55,200	16.18	9.8	22.2	25.1	2,179	4,951	5,590
TRIO	18+18+18	54	18,657	5.5	48,000	14.07	55,200	16.18	9.8	22.2	25.1	2,179	4,951	5,590
QUARTET	12+12+12+12	48	18,657	5.5	48,000	14.07	55,200	16.18	9.7	22.0	24.7	2,155	4,751	5,500

Type	Combination of Indoor Units (k Btu/h)		Heating Capacity						Current (A)			Input (W)		
			Min		Rating		Max		Min	Rating	Max	Min	Rating	Max
	Possibility	Total	Btu/h	kw	Btu/h	kW	Btu/h	kW						
DUO	18+24	42	18,773	5.5	48,300	14.16	55,545	16.28	8.6	19.5	22.5	1,919	4,361	5,015
	24+24	48	21,455	6.3	55,200	16.18	63,480	18.60	9.9	22.6	25.5	2,219	5,044	5,700
	24+30	54	21,455	6.3	55,200	16.18	63,480	18.60	10.0	22.8	26.0	2,236	5,081	5,820
TRIO	18+18+18	54	21,455	6.3	55,200	16.18	63,480	18.60	10.0	22.8	26.0	2,236	5,081	5,820
QUARTET	12+12+12+12	48	21,455	6.3	55,200	16.18	63,480	18.60	9.9	22.6	25.5	2,219	5,044	5,700

UU60W UYB

Type	Combination of Indoor Units (k Btu/h)		Cooling Capacity						Current (A)			Input (W)		
			Min		Rating		Max		Min	Rating	Max	Min	Rating	Max
	Possibility	Total	Btu/h	kw	Btu/h	kW	Btu/h	kW						
DUO	24+30	54	20,989	6.2	54,000	15.83	62,100	18.20	11.0	25.0	28.8	2,454	5,578	6,415
	24+36	60	21,766	6.4	56,000	16.41	64,400	18.87	11.5	26.1	29.5	2,566	5,832	6,620
	30+30	60	21,766	6.4	56,000	16.41	64,400	18.87	11.5	26.1	29.5	2,566	5,832	6,620
TRIO	18+18+18	54	20,989	6.2	54,000	15.83	62,100	18.20	11.0	25.0	28.8	2,454	5,578	6,415
	18+18+24	60	21,766	6.4	56,000	16.41	64,400	18.87	11.5	26.1	29.5	2,566	5,832	6,620
QUARTET	12+12+12+12	48	18,657	5.5	48,000	14.07	55,200	16.18	9.3	21.2	24.4	2,086	4,740	5,451

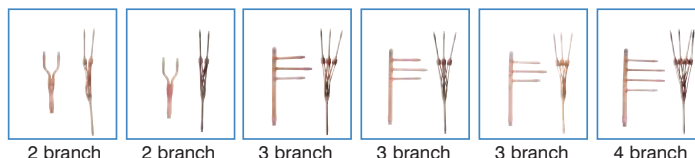
Type	Combination of Indoor Units (k Btu/h)		Heating Capacity						Current (A)			Input (kW)		
			Min		Rating		Max		Min	Rating	Max	Min	Rating	Max
	Possibility	Total	Btu/h	kw	Btu/h	kW	Btu/h	kW						
DUO	24+30	54	24,140	7.1	62,100	18.2	68,310	20.02	12.5	28.5	32.8	2.8	6.36	7.31
	24+36	60	25,030	7.3	64,400	18.87	70,840	20.76	13	29.6	33.4	2.91	6.61	7.49
	30+30	60	25,030	7.3	64,400	18.87	70,840	20.76	13	29.6	33.4	2.91	6.61	7.49
TRIO	18+18+18	54	24,140	7.1	62,100	18.2	68,310	20.02	12.5	28.5	32.8	2.8	6.36	7.31
	18+18+24	60	25,030	7.3	64,400	18.87	70,840	20.76	13	29.6	33.4	2.91	6.61	7.49
QUARTET	12+12+12+12	48	21,460	6.3	55,200	16.18	63,480	18.6	10.1	22.9	26.3	2.25	5.11	5.87

Measurement Conditions

- 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
 - Piping Length 7.5 m
 - Level Difference Zero.

Branch Pipe

Model	Indoor	Indoor Capacity Ratio(%)
PMUB11A	2 units	50:50 (1:1)
PMUB23A		40:60 (2:3)
PMUB122A	3 units	20:40:40 (1:2:2)
PMUB112A		25:25:50 (1:1:2)
PMUB111A		33:33:33 (1:1:1)
PMUB1111A	4 units	25:25:25:25 (1:1:1:1)



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

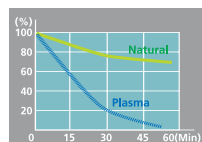
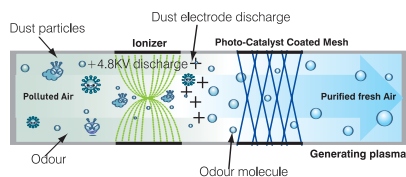
floor standing type

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

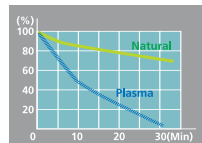
The PLASMA Air Purifying System within the air conditioner removes microscopic contaminants and dust to eliminate offensive odors and prevent allergic reactions.

It can also be used as an air-purifying unit even though the air-cooling function is off.



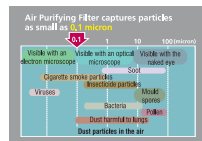
Dust Reduction

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 , 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.

- The unit will be controlled only by remote controller.

Duct Operation (P08AH only)

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



Touch Screen Panel



LED MODULE



floor standing type

P03AH / P05AH

- PLASMA Air Purifying System • Jet Cool Operation
- Wireless Remote Controller • Auto Swing
- Soft Dry Operation Mode • 7-Hour OFF Setting Timer
- One-Touch Air Filter (Anti-Bacteria) • Auto Restart
- Child Lock Function • Anti Corrosion Gold Fin (Outdoor)
- Electric Heater • Touch Pad (P03AH Only)



P03AH

P05AH

Specification

Model	Indoor Unit Outdoor Unit		P03AH NR1 P03AH UR1	P05AH NT0 P05AH UT0
Nominal Capacity	Cooling	kW	8.1	13.5
Capacity (UK)	Cooling	kW	7.5	12.6
Nominal Capacity (T1)	Heating	kW	8.1	14.1
Power Supply to Unit		V/Phase/Hz	240/1/50	415/3/50
Power supply to			Outdoor	Outdoor
Inter connecting Cables cores and rating	No. Amps		5 * 5A/2 * 30A	5 * 5A/2 * 30A
Running Current	Cooling	Amps	13	9.5
	Heating	Amps	13	9
Power Input	Cooling	kW	2.8	5.3
	Heating	kW	2.8	5
Start Current	Cooling	Amps	68	60
	Heating	Amps	68	60
Circuit Breaker		Amps	36	20
T1 EER	Cool	(W/W)	2.5	2.2
T1 COP	Heat	(W/W)	2.9	2.8
Air Circulation	Indoor	(m3/min)	17	30
(High Speed)	Outdoor	(m3/min)	58	104
Sound Levels	Indoor	dB(A) +/-3 (at 1.0m)	48	53
(High Speed)	Outdoor	dB(A) +/-3 (at 1.0m)	58	58
Indoor Units	WxHxD	(mm)	570 x 1820 x 317	590 x 1850 x 440
Outdoor Units	WxHxD	(mm)	870 x 655 x 320	900 x 1165 x 370
Indoor Units		(Kg)	33	60
Outdoor Units		(Kg)	63	90
Liquid		(Inch)	3/8	3/8
Suction		(Inch)	5/8	3/4
Drain (ID)		(mm)	21.5	40
Maximum Elevation		(m)	20	25
Max. Distance between In & Out		(m)	30	40
Factory charge		(Kg)	2.2	2.9
Charged for — m		(m)	7.5	7.5
Additional g/m		(g/m)	30	40
need a low ambient kit to cool in ambients of less than 20C	Yes/No		yes	yes

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb
UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

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

floor standing type

P08AH

- Soft Dry Operation Mode • 7-Hour OFF Setting Timer
- Wireless Remote Controller • One-Touch Air Filter (Anti-Bacteria)
- Auto Restart • Child Lock Function • Duct Operation
- Electric Heater



P08AH

Specification

Model	Indoor Unit	Outdoor Unit	P08AH NF0 P08AH UF0
Nominal Capacity	Cooling	kW	21.1
Capacity (UK)	Cooling	kW	19.6
Nominal Capacity (T1)	Heating	kW	25.8
Power Supply to Unit		V/Phase/Hz	415/3/50
Power supply to			Outdoor
Inter connecting Cables			5 * 5A + 2 * 30A
cores and rating		No. Amps	
Running Current	Cooling	Amps	15.2
	Heating	Amps	14.5
Power Input	Cooling	kW	8.8
	Heating	kW	8.2
Start Current	Cooling	Amps	95
	Heating	Amps	95
Circuit Breaker		Amps	25 + 25
T1 EER	Cool	(W/W)	2.1
T1 COP	Heat	(W/W)	3.2
Air Circulation	Indoor	(m3/min)	57
(High Speed)	Outdoor	(m3/min)	150
Sound Levels	Indoor	dB(A) +/-3 (at 1.0m)	60
(High Speed)	Outdoor	dB(A) +/-3 (at 1.0m)	65
Indoor Units	WxHxD	(mm)	1050 x 1880 x 495
Outdoor Units	WxHxD	(mm)	1245 x 930 x 650
Indoor Units		(Kg)	132
Outdoor Units		(Kg)	150
Liquid		(Inch)	3/8
Suction		(Inch)	1 1/8
Drain (ID)		(mm)	50
Maximum Elevation		(m)	30
Max. Distance between In & Out		(m)	50
Factory charge		(Kg)	7.55
Charged for — m		(m)	7.5
Additional g/m		(g/m)	80
need a low ambient kit to cool in ambients of less than 20C		Yes/No	yes

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb

UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

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

multi split air conditioners



MPS Inverter :

A Multi Power System which uses an inverter compressor for the main compressor and constant compressors for the extra compressors.



Inverter :

A power system which uses one powerful inverter compressor.

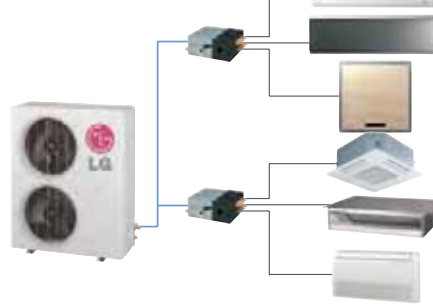
Multi Split Air Conditioners



MULTI F



MULTI F DX



For Commercial Sites



1-way Ceiling Cassette Type



4-way Ceiling Cassette Type



Ceiling Concealed Duct Type (High)



Ceiling Concealed Duct Type (Low)



Ceiling Concealed Duct Type (Built-in)



Ceiling & Floor Type

For Residential Sites



ART COOL Mirror



Wall Mounted Type



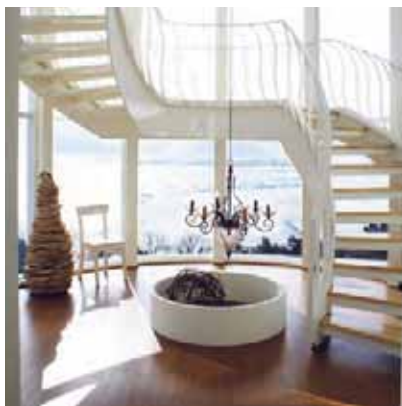
ART COOL Gallery



ART COOL Panel



Wall Mounted Inverter Type



multi split air conditioners

multi split air conditioners

Wide Range

LG Multi systems provide various indoor units and outdoor units up to 35.1kW. More than 2,000 combinations are available using 19 outdoor units and 47 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	24/7.0	30/8.8
1φ, 220V	2		●	●	●		
	3				●	●	
	4					●	●

MULTI F DX (Inverter)

Phase	Max Indoor Units	Feature	Capacity Range (kBtu/kW)		
			40/11.7	48/14.0	56/16.4
1φ, 220V	6		●		
	7			●	
	8				●

Free Combination with Various Indoor Types

Product	Feature	Capacity Range (kBtu/kW)						
		7/2.1	9/2.6	12/3.5	18/5.3	24/7.0	30/8.8	36/10.5
Wall Mounted		●	●	●	●			
ART COOL	Mirror	●	●	●				
	Deluxe	●	●	●				
	Panel		●	●				
	Gallery		●	●				
Ceiling & Floor				●	●			
Ceiling Concealed Duct	Built-in		●	●				
	Low Static		●	●				
	Slim Duct		●	●				
	High Static				●			
Cassette	4Way			●	●	●	●	●



multi split air conditioners

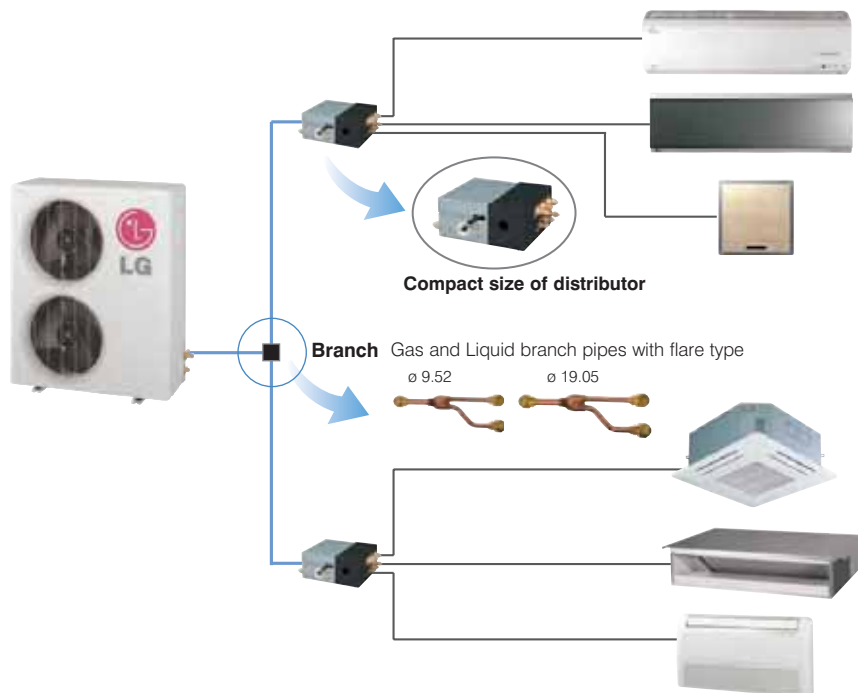
MULTI F

MULTI F DX

- Max. 70% Energy Saving with MPS Inverter Control
- Top Class Energy Level
- Quick Cooling & Heating
- Comfortable
- Long & High Elevation Piping
- Compact Size, easy Installation



Multi FDX System



multi split air conditioners

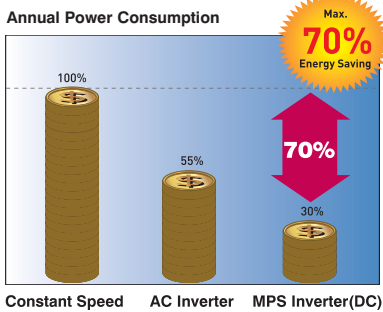
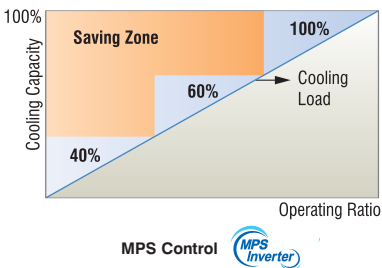
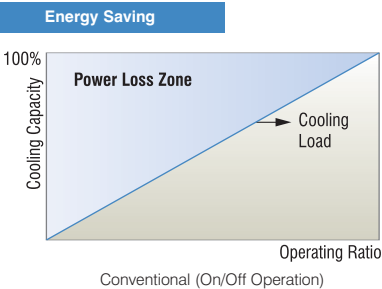
MPS Inverter Technology

Using DC Inverter compressor and MPS control



Max. 70% Energy Saving with MPS Inverter Control

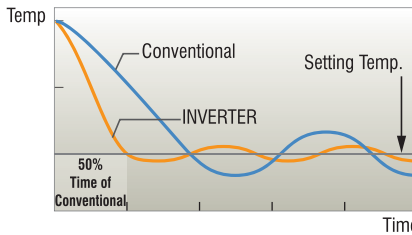
The MPS Inverter Multi is an energy saving air-conditioning system which uses one high efficiency constant speed compressor and a DC inverter compressor.



*Condition of trial : ISO5151

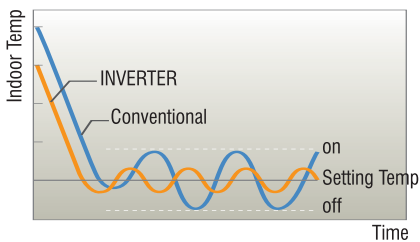
Quick Cooling & Heating

Inverter units operate at high power until the room reaches the preset temperature, this will Cool / Heat 20% faster than conventional air conditioning units.

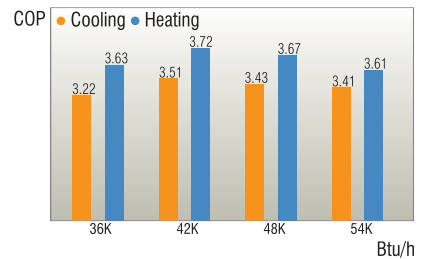


Comfortable

LG Inverter units operate at HIGH POWER until the room reaches the preset temperature, then at low power, to maintain the temperature in the room.

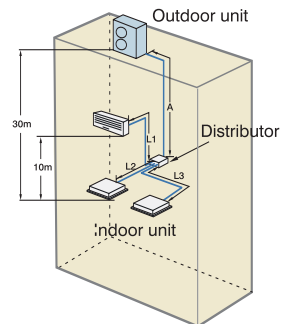


Top Class Energy Level



Long & High Elevation Piping

The FM56AH supports a piping length of up to 120m 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	110	120
Main Pipe (A)	50	50	50
Total Branch Pipe (L1+L2+L3)	50	60	70
Each Branch Pipe	15	15	15
Indoor-Outdoor	30	30	30
Indoor-Indoor	10	10	10

multi split air conditioners

MULTI F MULTI F DX

Indoor Units






Type	Wall Mounted Type					Ceiling Cassette Type	Ceiling Concealed Duct Type				Ceiling & Floor Type
	Wall Mounted		Mirror	Gallery		4-way	Built-in	Low	Slim Duct	High	
2.1 kW											
2.6 kW											
3.5 kW											
5.3 kW											
7.7 kW											

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

multi split air conditioners

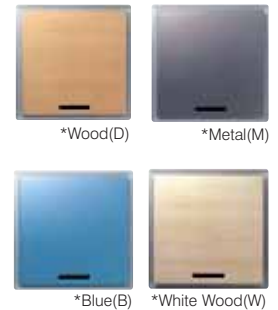


Wall Mounted Type

Capacity (kW)		2.1	2.6	3.5
Wall Mounted		MS07AH N40 MS07AC N40	MS09AH N40 MS09AC N40	MS12AH N40 MS12AC N40
ART COOL Mirror		MC07AH* NZ1	MC09AH* NU1	MC12AH* NU1
		MC07AH* NE0	MC09AH* NE0	MC12AH* NE0
ART COOL			MA09AH* NP1	MA12AH* NP1
ART COOL Gallery			MA09AH* NF0	MA12AH* NF0



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



Specification

Model Number			MS07AH N40	MS09AH N40	MS12AH N40	MS18AH N50	MA09AH* NF0	MA12AH* NF0	MC07AH* NE0	MC09AH* NE0	MC12AH* NE0
			wall mounted				artcool				
Nominal Capacity	Cooling	kW	2.1	2.6	3.5	5.3	2.6	3.5	2.1	2.6	3.5
Capacity (UK)	Cooling	kW	2.1	2.6	3.5	5.3	2.6	3.5	2.1	2.6	3.5
Nominal Capacity (T1)	Heating	kW	2.3	2.9	3.9	5.8	2.9	3.9	2.3	2.9	3.9
Power supply to Unit		V/Phase/Hz	1 Ph	1 Ph	1 Ph	1 Ph	1 Ph	1 Ph	1 Ph	1 Ph	1 Ph
Power supply to			Fed From Outdoor	Fed From Outdoor	Fed From Outdoor	Fed From Outdoor	Fed From Outdoor	Fed From Outdoor	Fed From Outdoor	Fed From Outdoor	Fed From Outdoor
Inter connecting Cables			3 + E	3 + E	3 + E	3 + E	3 + E	3 + E	3 + E	3 + E	3 + E
cores and rating		No. Amps									
Running Current	Cooling	Amps	0.1	0.2	0.2	0.3	0.1	0.1	0.1	0.2	0.2
	Heating	Amps	0.1	0.2	0.2	0.3	0.1	0.1	0.1	0.2	0.2
Circuit Breaker		Amps	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Air Circulation	(High Speed)	(m3/min)	5.6	7	9.5	12	7	8.7	7	8	10
Sound Levels	(High Speed)	dB(A) +/-3 (at 1.0m)	29	33	36	37	37	43	30	31	35
Dimension	WxHxD	(mm)	758*260*160	758*260*160	758*260*160	1090*300*180	570x568x129	570x568x129	915*282*165	915*282*165	915*282*165
Weight		(Kg)	7	7	7	13	9	9	8.1	9.5	9.5
Refrigerant Pipe Sizes			1/4, 3/8	1/4, 3/8	1/4, 3/8	1/4, 1/2	1/4, 3/8	1/4, 3/8	1/4, 3/8	1/4, 3/8	1/4, 3/8
Drain (DI)		(mm)	20	20	20	20	20	20	20	20	20

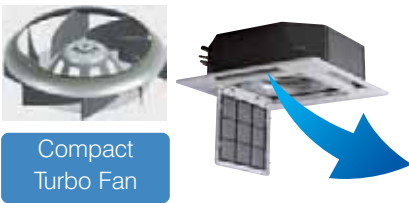
T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb
UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

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

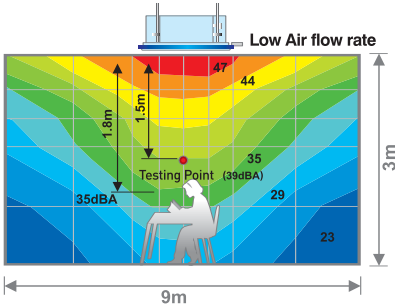
ceiling cassette type

Application of a High-Efficiency Compact Turbo Fan

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



Compact Turbo Fan



PLASMA Air Purifying System (Optional)

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

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

Super Slim Design

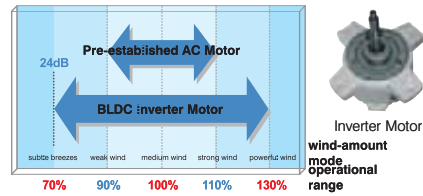
The interior air conditioner with the smallest and the most compact design in the world based on a three-dimensional CAD and CAE computer system has successfully reduced the space it occupies and enabled installation in various spaces.



BLDC Inverter Motor

By using a super-light BLDC inverter we have increased the stability and efficiency of the product with reduced noise level of 24dB.

Variable range of wind of the interior fan motor



Super Low Power Consumption Use in Standby Mode by Adopting SMPS

(Switching Mode Power Supply)

- **Power waste due to standby power**
- Power is wasted if unit is connected even though the appliance is turned off.
- **Development of super power-saving SMPS (Switching Mode Power Supply)**
- Reducing standby power by 90%.



multi split air conditioners

ceiling cassette type



Specification

Model Number			MT12AH NE1	MT18AH NE1	MT24AH NH0
Grille			PT-HEC1	PT-HEC1	PT-HDC1
Nominal Capacity	Cooling	kW	3.5	5.3	7
Capacity (UK)	Cooling	kW	3.5	5.3	7
Nominal Capacity (T1)	Heating	kW	3.9	5.8	7.7
Power Supply to Unit	V/Phase/Hz		1 Ph	1 Ph	1 Ph
Power supply to			Fed From Outdoor	Fed From Outdoor	Fed From Outdoor
Inter connecting Cables			3 + E	3 + E	3 + E
cores and rating	No. Amps				
Running Current	Cooling	Amps	0.4	0.8	0.8
	Heating	Amps	0.4	0.8	0.8
Air Circulation	(High Speed)	(m3/min)	9.5	12	17
Sound Levels	(High Speed)	dB(A) +/-3 (at 1.0m)	36	41	32
Dimension	WxHxD	(mm)	570*265*570	570*265*570	840*840*225
Panel Section	WxHxD	(mm)	670x30x670	670x30x670	850x30x850
Weight			19	19	26
Refrigerant Pipe Sizes			1/4, 3/8	1/4, 1/2	1/4, 1/2
Drain (DI)	(mm)		32	32	32

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb
UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

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

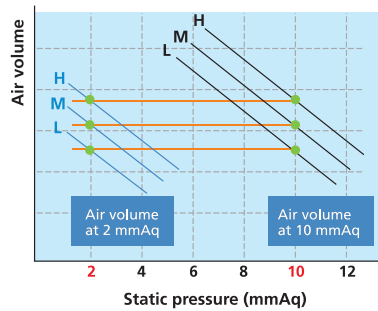
ceiling concealed duct type



E.S.P: External Static Pressure

Using this technology , you can
 - Optimize duct work Installation
 - Keep capacity & sound level as desired

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



Slim duct

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

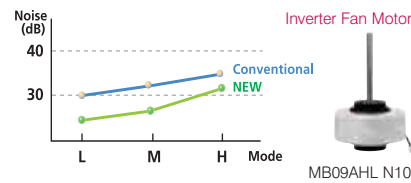
Slim Duct







MB09AHL N10

*Conventional Model : 650x230x535

Noise Level



Capacity (kW)	2.6	3.5	5.3
Built-in 	MB09AHB NP0	MB12AHB NP0	
Low Static 	MB09AHL NT0	MB12AHL NT0	
Slim Duct 	MB09AHL N10	MB12AHL N10	MB18AHL N20
High Static 			MB18AH NH0

multi split air conditioners

ceiling concealed duct type

Specification

Model Number			MB18AHL NTO	MB09AHL N10	MB12AHL N10	MB18AHL N20	MB24AHL N20
			Ducted High Static		Ducted Low Static		
Grille			n/a	n/a	n/a	n/a	n/a
Nominal Capacity	Cooling	kW	5.3	2.6	3.5	5.3	7
Capacity (UK)	Cooling	kW	5.3	2.6	3.5	5.3	7
Nominal Capacity (T1)	Heating	kW	5.8	2.9	3.9	5.8	7.7
Power Supply to Unit		V/Phase/Hz	1 Ph	1 Ph	1 Ph	1 Ph	1 Ph
Power supply to			Fed From Outdoor	Fed From Outdoor	Fed From Outdoor	Fed From Outdoor	Fed From Outdoor
Inter connecting Cables		cores and rating	3 + E	3 + E	3 + E	3 + E	3 + E
Running Current		No. Amps					
	Cooling	Amps	0.8	0.7	0.7	0.7	0.7
	Heating	Amps	0.8	0.7	0.7	0.7	0.7
Air Circulation	(High Speed)	(m3/min)	16.5	8	10	13.5	17.5
Sound Levels	(High Speed)	dB(A)+/-3 (at 1.0m)	36	31	33	34	34
Dimension	WxHxD	(mm)	950*950*30	820*190*575	820*190*575	1100*190*575	1100*190*575
Weight		(Kg)	35	16	16	21	21
Refrigerant Pipe Sizes			1/4, 1/2	1/4, 3/8	1/4,3/8	1/4,1/2	3/8,3/4
Drain (DI)			(mm)	32	32	32	32

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb

UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

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



ceiling and floor type

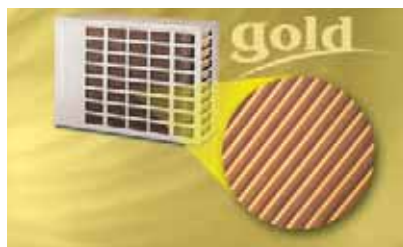
Upgraded Function



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

Gold Fin™ Anti Corrosion

LG's Outdoor Heat Exchanger is coated with a golden anti-corrosive epoxy treatment on the aluminum coil to minimize corrosion. This maintains heat transfer properties of the coil for an extended time whereas 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 be subjected to higher levels of salt.

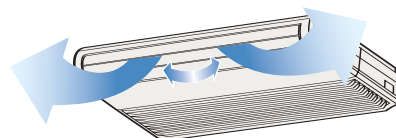


[Test Standard : ASTM B-117, KS D9502]

Airflow Direction Control

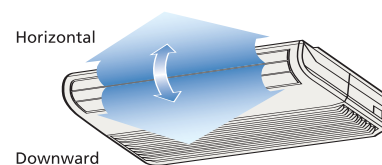
Horizontal Airflow Direction Control.

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 and floor type



Specification

Model Number		MV12AH NEO	MV18AH NBO
Grille		n/a	n/a
Nominal Capacity	Cooling kW	3.5	5.3
Capacity (UK)	Cooling kW	3.5	5.3
Nominal Capacity (T1)	Heating kW	3.9	5.8
Power Supply to Unit	V/Phase/Hz	1 Ph	1 Ph
Power supply to		Fed From Outdoor	Fed From Outdoor
Inter connecting Cables		3 + E	3 + E
cores and rating	No. Amps		
Running Current	Cooling Amps	0.6	0.7
	Heating Amps	0.6	0.7
Air Circulation	(High Speed) (m3/min)	10	13.5
Sound Levels	(High Speed) dB(A)+/-3 (at 1.0m)	40	43
Dimension	WxHxD (mm)	900x200x490	1200x205x615
Weight	(Kg)	12	30
Refrigerant Pipe Sizes		1/4, 3/8	1/4, 1/2
Drain (DI)	(mm)	20	20

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb

UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

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



MULTI F

Specifications Outdoor Units



• FM19AH UE0



• FM25AH UE0



• FM30AH UE0

Specification

Model Number			FM19AH UE0	FM25AH UE0	FM30AH UE0
Nominal Capacity	Cooling	kW	5.3	7.3	8.8
Capacity (UK)	Cooling	kW	5.3	7.3	8.8
Nominal Capacity (T1)	Heating	kW	6.3	8.8	10.1
Power Supply to Unit	V/Phase/Hz		1 Ph	1 ph	1 Ph
Power supply to			Outdoor	Outdoor	Outdoor
Inter connecting Cables			3 + E	3 + E	3 + E
cores and rating	No. Amps				
Running Current	Cooling	Amps	7.3	9.9	11.9
	Heating	Amps	7.8	10.8	12.1
Power Input	Cooling	kW	1.6	2.3	2.7
	Heating	kW	1.7	2.4	2.8
Start Current	Cooling	Amps	8	31	35
Circuit Breaker		Amps	15	20	25
T1 EER	Cool	(W/W)	3.4	3.2	3.2
T1 COP	Heat	(W/W)	3.8	3.6	3.6
Air Circulation	(High Speed)	(m3/min)	53	51	64
Sound Levels	(High Speed) dB(A)+/-3 (at 1.0m)		51	52	50
Dimension	WxHxD	(mm)	870 x 655 x 320	870 x 808 x 320	870x1060x320
Weight		(Kg)	52	69	80
Refrigerant Pipe Sizes			3 X 1/4, 3/8	4 X 1/4, 3/8	4 X 1/4, 3/8
Maximum Elevation		(mm)	15	15	15
Max. Total / Per Fan		(m)	50 / 25	70 / 25	70 / 25

Notes:

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

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb
UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

MULTI FDX

Specifications Outdoor Units



• FM40AH UHO



• FM48AH UYO



• FM56AH UYO

Specification

Model Number			FM40AH UHO	FM48AH UYO	FM56AH UYO
Nominal Capacity	Cooling	kW	11.7	14.1	16.4
Capacity (UK)	Cooling	kW	11.7	14.1	16.4
Nominal Capacity (T1)	Heating	kW	13.5	16.2	18.9
Power Supply to Unit	V/Phase/Hz		1 Ph	1 Ph	1 Ph
Power supply to			Outdoor	Outdoor	Outdoor
Inter connecting Cables			3 + E	3 + E	3 + E
cores and rating	No. Amps				
Running Current	Cooling	Amps	15.9	19.4	21.7
	Heating	Amps	16.1	20.9	22.2
Power Input	Cooling	kW	3.7	4.5	5
	Heating	kW	3.7	4.8	5.1
Start Current	Cooling	Amps	35	57	57
Circuit Breaker		Amps	30	50	50
T1 EER	Cool	(W/W)	3.2	3.1	3.3
T1 COP	Heat	(W/W)	3.6	3.4	3.7
Air Circulation	(High Speed)	(m3/min)	106	90	90
Sound Levels	(High Speed) dB(A) +/-3 (at 1.0m)		58	59	59
Dimension	WxHxD	(mm)	901x1165x370	806 x 1512x730	806 x 1512x730
Weight		(Kg)	105	142	148
Refrigerant Pipe Sizes			3/8, 3/4	3/8, 3/4	3/8, 3/4
Maximum Elevation		(mm)	30	30	30
Max. Total / Per Fan		(m)	100	110	120

Notes:

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

T1 Condition: Cooling - indoor 27Cwb, 19Cdb; outdoor 35Cdb
 Heating - indoor 20Cdb; outdoor 7Cdb, 6Cwb
UK Condition: Cooling - indoor 23Cdb, 16Cwb; outdoor 30Cdb

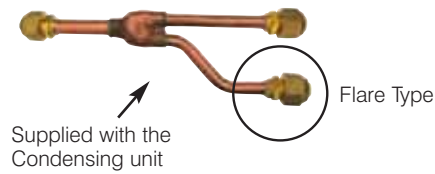
MULTI FDX Distributor Box

Large Capacity Multi Systems with Distributor Box




Cooling Capacity (kBtu/h)	40	48	54	56
1 Phase	●	●		●

Connecting with Flare and Nuts

Installers can connect pipes to outdoor units, indoor units, branches and distributors without brazing.



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

Specification Distributors

Model Number		PMBD3620	PMBD3630	PMBD3640	PMBD7230
Power Supply to Unit	V/Phase/Hz	1 Ph	1 Ph	1 Ph	1 Ph
Power supply to		Fed From Outdoor	Fed From Outdoor	Fed From Outdoor	Fed From Outdoor
Inter connecting Cables		3 + E	3 + E	3 + E	3 + E
cores and rating	No. Amps				
Dimension	WxHxD (mm)	302x143x252	302x143x252	302x143x252	302x143x252

Note:

1. BD unit or Indoor Unit Max. Height <--> BD unit or Indoor Unit Min. Height : Max. 10m
Set up the BD unit and Indoor Unit in 15m.
2. 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)
3. The BD should be installed inside the building.

MULTI F combination table

FM19AH UE0

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

FM19AH UE0

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

Note:

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

MULTI F combination table

FM25AH UE0

Operation	Combination				Cooling													
					Each Capacity				Total Capacity						Input(W)			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A(Btu/h)	UNIT-B(Btu/h)	UNIT-C(Btu/h)	UNIT-D(Btu/h)	Min		Rating		Max		Min	Rating	Max
1 Unit	7				7	7000	-	-	-	4600	1.3	7000	2.1	8400	2.5	490	650	811
	9				9	9000	-	-	-	5400	1.6	9000	2.6	10800	3.2	631	838	1028
	12				12	12000	-	-	-	7200	2.1	12000	3.5	14400	4.2	789	1121	1352
	18				18	18000	-	-	-	10800	3.2	18000	5.3	21600	6.3	1014	1685	2029
	24				24	24000	-	-	-	14400	4.2	24000	7.0	28800	8.4	1379	2250	2759
2 Unit	7	7			14	7000	7000	-	-	8400	2.5	14000	4.1	16800	4.9	798	1309	1596
	7	9			16	7000	9000	-	-	9600	2.8	16000	4.7	19200	5.6	906	1497	1812
	9	9			18	9000	9000	-	-	10800	3.2	18000	5.3	21600	6.3	1014	1685	2029
	7	12			19	7000	12000	-	-	11400	3.3	19000	5.6	22800	6.7	1082	1779	2164
	9	12			21	9000	12000	-	-	12600	3.7	21000	6.2	25200	7.4	1177	1967	2353
	12	12			24	12000	12000	-	-	14400	4.2	24000	7.0	28800	8.4	1379	2250	2759
	7	18			25	6720	17280	-	-	14400	4.2	24000	7.0	28800	8.4	1379	2250	2759
	9	18			27	8000	16000	-	-	14400	4.2	24000	7.0	28800	8.4	1379	2250	2759
	12	18			30	9600	14400	-	-	14400	4.2	24000	7.0	28800	8.4	1379	2250	2759
	7	24			31	5419	18580	-	-	14400	4.2	24000	7.0	28800	8.4	1379	2250	2759
	9	24			33	6545	17454	-	-	14400	4.2	24000	7.0	28800	8.4	1379	2250	2759
	12	24			36	8000	16000	-	-	14400	4.2	24000	7.0	28800	8.4	1379	2250	2759
	18	18			36	12000	12000	-	-	14400	4.2	24000	7.0	28800	8.4	1379	2250	2759
3 Unit	7	7	7		21	7000	7000	7000	-	12600	3.7	21000	6.2	25200	7.4	1177	1970	2353
	7	7	9		23	7000	7000	9000	-	13800	4.0	23000	6.7	27600	8.1	1379	2155	2759
	7	9	9		25	7000	9000	9000	-	15000	4.4	25000	7.3	28880	8.5	1420	2330	2970
	7	7	12		26	6731	6731	11538	-	15000	4.4	25000	7.3	28880	8.5	1420	2330	2970
	9	9	9		27	8333	8333	8333	-	15000	4.4	25000	7.3	28880	8.5	1420	2330	2930
	7	9	12		28	6250	8036	10714	-	15000	4.4	25000	7.3	28880	8.5	1420	2330	2930
	9	9	12		30	7500	7500	10000	-	15000	4.4	25000	7.3	28880	8.5	1420	2330	2930
	7	12	12		31	5645	9677	9677	-	15000	4.4	25000	7.3	28880	8.5	1420	2330	2930
	7	7	18		32	5469	5469	14063	-	15000	4.4	25000	7.3	28880	8.5	1420	2330	2930
	9	12	12		33	6818	9091	9091	-	15000	4.4	25000	7.3	28880	8.5	1420	2330	2930
	7	9	18		34	5147	6618	13235	-	15000	4.4	25000	7.3	28880	8.5	1420	2330	2930
	12	12	12		36	8333	8333	8333	-	15000	4.4	25000	7.3	28880	8.5	1420	2330	2930
	9	9	18		36	6250	6250	12500	-	15000	4.4	25000	7.3	28880	8.5	1420	2330	2930
	7	12	18		37	4730	8108	12162	-	15000	4.4	25000	7.3	28880	8.5	1420	2330	2930
	7	7	24		38	4605	4605	15789	-	15000	4.4	25000	7.3	28880	8.5	1420	2330	2930
9	12	18		39	5769	7692	11538	-	15000	4.4	25000	7.3	28880	8.5	1420	2330	2930	
4 Unit	7	7	7	7	28	6250	6250	6250	6250	15000	4.4	25000	7.3	28880	8.5	1352	2250	2863
	7	7	7	9	30	5833	5833	5833	7500	15000	4.4	25000	7.3	28880	8.5	1352	2250	2863
	7	7	9	9	32	5469	5469	7031	7031	15000	4.4	25000	7.3	28880	8.5	1352	2250	2863
	7	7	7	12	33	5303	5303	5303	9091	15000	4.4	25000	7.3	28880	8.5	1352	2250	2863
	7	9	9	9	34	5147	6618	6618	6618	15000	4.4	25000	7.3	28880	8.5	1352	2250	2863
	7	7	9	12	35	5000	5000	6429	8571	15000	4.4	25000	7.3	28880	8.5	1352	2250	2863
	9	9	9	9	36	6250	6250	6250	6250	15000	4.4	25000	7.3	28880	8.5	1352	2250	2863
	7	9	9	12	37	4730	6081	6081	8108	15000	4.4	25000	7.3	28880	8.5	1352	2250	2863
	7	7	12	12	38	4605	4605	7895	7895	15000	4.4	25000	7.3	28880	8.5	1352	2250	2863
	9	9	9	12	39	5769	5769	5769	7692	15000	4.4	25000	7.3	28880	8.5	1352	2250	2863
7	7	7	18	39	4487	4487	4487	11538	15000	4.4	25000	7.3	28880	8.5	1352	2250	2863	

Note:

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

MULTI F combination table

FM25AH UE0

Operation	Combination				Heating													
					Each Capacity				Total Capacity						Input(W)			
					UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A(Btu/h)	UNIT-B(Btu/h)	UNIT-C(Btu/h)	UNIT-D(Btu/h)	Min		Rating		Max
Btu/h	kW	Btu/h	kW	Btu/h										kW				
1 Unit	7				7	8400	-	-	-	4800	1.4	8400	2.5	9660	2.8	630	1030	1271
	9				9	10800	-	-	-	6480	1.9	10800	3.2	12420	3.6	717	1185	1434
	7				12	13200	-	-	-	7920	2.3	13200	3.9	15180	4.4	866	1418	1731
	7				18	21600	-	-	-	12960	3.8	21600	6.3	24840	7.3	1150	1884	2299
	9				24	28800	-	-	-	17280	5.1	28800	8.4	33120	9.7	1420	2350	2840
2 Unit	7	7			14	8400	8400	-	-	10080	3.0	16800	4.9	19320	5.7	960	1574	1920
	7	9			16	8400	10800	-	-	11520	3.4	19200	5.6	22080	6.5	1055	1729	2110
	7	7			18	10800	10800	-	-	12960	3.8	21600	6.3	24840	7.3	1150	1884	2299
	7	9			19	8400	14400	-	-	13680	4.0	22800	6.7	26220	7.7	1190	1962	2380
	7	9			21	10800	14400	-	-	15120	4.4	25200	7.4	28980	8.5	1298	2117	2597
	7	7			24	14400	14400	-	-	17280	5.1	28800	8.4	33120	9.7	1420	2350	2840
	9	9			25	8064	20736	-	-	17280	5.1	28800	8.4	33120	9.7	1420	2350	2840
	7	7			27	9600	19200	-	-	17280	5.1	28800	8.4	33120	9.7	1420	2350	2840
	7	7			30	11520	17280	-	-	17280	5.1	28800	8.4	33120	9.7	1420	2350	2840
	9	7			31	6503	22296	-	-	17280	5.1	28800	8.4	33120	9.7	1420	2350	2840
	12	7			33	7854	20945	-	-	17280	5.1	28800	8.4	33120	9.7	1420	2350	2840
	7	12			36	9600	19200	-	-	17280	5.1	28800	8.4	33120	9.7	1420	2350	2840
	9	7			36	14400	14400	-	-	17280	5.1	28800	8.4	33120	9.7	1420	2350	2840
3 Unit	7	12	7		21	8400	8400	8400	-	15120	4.4	25200	7.4	28980	8.5	1190	1962	2380
	7	9	9		23	8400	8400	10800	-	16560	4.9	27600	8.1	31740	9.3	1379	2272	2818
	9	12	12		25	8064	10368	10368	-	17280	5.1	28800	8.8	32000	9.4	1461	2430	3070
	7	9	9		26	7754	7754	13292	-	17280	5.1	28800	8.8	32000	9.4	1461	2430	3070
	9	12	9		27	9600	9600	9600	-	17280	5.1	28800	8.8	32000	9.4	1461	2430	3070
	7	7	9		28	7200	9257	12343	-	17280	5.1	28800	8.8	32000	9.4	1461	2430	3070
	7	12	9		30	8640	8640	11520	-	17280	5.1	28800	8.8	32000	9.4	1461	2430	3070
	7	9	7		31	6503	11148	11148	-	17280	5.1	28800	8.8	32000	9.4	1461	2430	3070
	7	9	9		32	6300	6300	16200	-	17280	5.1	28800	8.8	32000	9.4	1461	2430	3070
	18	9	7		33	7855	10473	10473	-	17280	5.1	28800	8.8	32000	9.4	1461	2430	3070
	12	7	7		34	5929	7624	15247	-	17280	5.1	28800	8.8	32000	9.4	1461	2430	3070
	9	9	18		36	9600	9600	9600	-	17280	5.1	28800	8.8	32000	9.4	1461	2430	3070
	7	7	24		36	7200	7200	14400	-	17280	5.1	28800	8.8	32000	9.4	1461	2430	3070
	12	7	18		37	5449	9341	14011	-	17280	5.1	28800	8.8	32000	9.4	1461	2430	3070
	9	18	18		38	5305	5305	18189	-	17280	5.1	28800	8.8	32000	9.4	1461	2430	3070
7	24	12		39	6646	8862	13292	-	17280	5.1	28800	8.8	32000	9.4	1461	2430	3070	
4 Unit	12	24	18	18	28	7200	7200	7200	7200	17280	5.1	28800	8.8	32000	9.4	1379	2330	2975
	9	24	12	12	30	6720	6720	6720	8640	17280	5.1	28800	8.8	32000	9.4	1379	2330	2975
	7	18	18	12	32	6300	6300	8100	8100	17280	5.1	28800	8.8	32000	9.4	1379	2330	2975
	9	18	12	12	33	6109	6109	6109	10473	17280	5.1	28800	8.8	32000	9.4	1379	2330	2975
	7	18	12	9	34	5929	7624	7624	7624	17280	5.1	28800	8.8	32000	9.4	1379	2330	2975
	7	12	12	12	35	5760	5760	7406	9874	17280	5.1	28800	8.8	32000	9.4	1379	2330	2975
	24	12	9	9	36	7200	7200	7200	7200	17280	5.1	28800	8.8	32000	9.4	1379	2330	2975
	18	12	12	12	37	5449	7005	7005	9341	17280	5.1	28800	8.8	32000	9.4	1379	2330	2975
	12	9	9	9	38	5305	5305	9095	9095	17280	5.1	28800	8.8	32000	9.4	1379	2330	2975
	9	9	9	9	39	6646	6646	6646	8862	17280	5.1	28800	8.8	32000	9.4	1379	2330	2975
	7	7	7	7	39	5169	5169	5169	13292	17280	5.1	28800	8.8	32000	9.4	1379	2330	2975

Note:

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

MULTI F combination table

FM30AH UE0

Operation	Combination				Cooling													
					Each Capacity				Total Capacity						Input(W)			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A(Btu/h)	UNIT-B(Btu/h)	UNIT-C(Btu/h)	UNIT-D(Btu/h)	Min		Rating		Max		Min	Rating	Max
Btu/h										kW	Btu/h	kW	Btu/h	kW				
1 Unit	7				7	7000	-	-	-	4200	1.2	7000	2.1	8400	2.5	490	700	902
	9				9	9000	-	-	-	5200	1.5	9000	2.6	10800	3.2	531	878	1107
	12				12	12000	-	-	-	7200	2.1	12000	3.5	12200	4.7	595	1146	1223
	18				18	18000	-	-	-	10800	3.2	18000	5.3	21600	6.3	1022	1680	2130
	24				24	24000	-	-	-	14400	4.2	24000	7	28800	8.4	1339	2215	2789
2 Unit	7	7			14	7000	7000	-	-	8400	2.5	14000	4.1	16800	4.9	803	1324	1674
	7	9			16	7000	9000	-	-	9600	2.8	16000	4.7	19200	5.6	906	1502	1888
	9	9			18	9000	9000	-	-	10800	3.2	18000	5.3	21600	6.3	1014	1680	2113
	7	12			19	7000	12000	-	-	11400	3.3	19000	5.6	22800	6.7	1082	1769	2254
	9	12			21	9000	12000	-	-	12600	3.7	21000	6.2	25200	7.4	1190	1947	2479
	12	12			24	12000	12000	-	-	14400	4.2	24000	7	28800	8.4	1339	2215	2789
	7	18			25	7000	18000	-	-	15000	4.4	25000	7.3	30000	8.8	1393	2304	2902
	9	18			27	9000	18000	-	-	16200	4.7	27000	7.9	32400	9.5	1515	2482	3156
	12	18			30	12000	18000	-	-	18000	5.3	30000	8.8	36000	10.5	1650	2750	3437
	7	24			31	6774	23225	-	-	18000	5.3	30000	8.8	36000	10.5	1650	2750	3437
	9	24			33	8181	21818	-	-	18000	5.3	30000	8.8	36000	10.5	1650	2750	3437
	12	24			36	10000	20000	-	-	18000	5.3	30000	8.8	36000	10.5	1650	2750	3437
	18	18			36	15000	15000	-	-	18000	5.3	30000	8.8	36000	10.5	1650	2750	3437
3 Unit	7	7	7		21	7000	7000	7000	-	12600	3.7	21000	6.2	25200	7.4	1190	1947	2479
	7	7	9		23	7000	7000	9000	-	13800	4.0	23000	6.7	27600	8.1	1285	2126	2677
	7	9	9		25	7000	9000	9000	-	15000	4.4	25000	7.3	30000	8.8	1393	2304	2902
	7	7	12		26	7000	7000	12000	-	15600	4.6	26000	7.6	31200	9.1	1447	2393	3015
	9	9	9		27	9000	9000	9000	-	16200	4.7	27000	7.9	32400	9.5	1501	2482	3127
	7	9	12		28	7000	9000	12000	-	16800	4.9	28000	8.2	33600	9.8	1542	2571	3340
	9	9	12		30	9000	9000	12000	-	18000	5.3	30000	8.8	36000	10.5	1650	2750	3580
	7	12	12		31	6774	11613	11613	-	18000	5.3	30000	8.8	36000	10.5	1650	2842	3580
	7	7	18		32	6563	6563	16875	-	18000	5.3	30000	8.8	36000	10.5	1650	2934	3580
	9	12	12		33	8182	10909	10909	-	18000	5.3	30000	8.8	36000	10.5	1650	3027	3580
	7	9	18		34	6176	7941	15882	-	18000	5.3	30000	8.8	36000	10.5	1650	3119	3580
	12	12	12		36	10000	10000	10000	-	18000	5.3	30000	8.8	36000	10.5	1650	3303	3580
	9	9	18		36	7500	7500	15000	-	18000	5.3	30000	8.8	36000	10.5	1650	3303	3580
	7	12	18		37	5676	9730	14595	-	18000	5.3	30000	8.8	36000	10.5	1650	3396	3580
	7	7	24		38	5526	5526	18947	-	18000	5.3	30000	8.8	36000	10.5	1650	3580	3580
9	12	18		39	6923	9231	13846	-	18000	5.3	30000	8.8	36000	10.5	1650	3580	3580	
4 Unit	7	7	7	7	28	7000	7000	7000	7000	16800	4.9	28000	8.2	33600	9.8	1542	2566	3083
	7	7	7	9	30	7000	7000	7000	9000	18000	5.3	30000	8.8	36000	10.5	1650	2750	3580
	7	7	9	9	32	6563	6563	8438	8438	18000	5.3	30000	8.8	36000	10.5	1650	2932	3580
	7	7	7	12	33	6364	6364	6364	10909	18000	5.3	30000	8.8	36000	10.5	1650	3023	3580
	7	9	9	9	34	6176	7941	7941	7941	18000	5.3	30000	8.8	36000	10.5	1650	3114	3580
	7	7	9	12	35	6000	6000	7714	10286	18000	5.3	30000	8.8	36000	10.5	1650	3206	3580
	9	9	9	9	36	7500	7500	7500	7500	18000	5.3	30000	8.8	36000	10.5	1650	3297	3580
	7	9	9	12	37	5676	7297	7297	9730	18000	5.3	30000	8.8	36000	10.5	1650	3388	3580
	7	7	12	12	38	5526	5526	9474	9474	18000	5.3	30000	8.8	36000	10.5	1650	3479	3580
	9	9	9	12	39	6923	6923	6923	9231	18000	5.3	30000	8.8	36000	10.5	1650	3570	3580
7	7	7	18	39	5385	5385	5385	13846	18000	5.3	30000	8.8	36000	10.5	1650	3580	3580	

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

multi split air conditioners

MULTI F combination table

FM30AH UEO

Operation	Combination				Heating													
					Each Capacity				Total Capacity						Input(W)			
					UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A(Btu/h)	UNIT-B(Btu/h)	UNIT-C(Btu/h)	UNIT-D(Btu/h)	Min		Rating		Max
Btu/h	kW	Btu/h	kW	Btu/h										kW	Min	Rating	Max	
1 Unit	7				7	8400	-	-	-	4800	1.4	8400	2.5	10080	3.0	700	1080	1381
	9				9	10800	-	-	-	6480	1.9	10800	3.2	12950	3.8	837	1241	1578
	12				12	13200	-	-	-	7920	2.3	13200	3.9	13840	4.5	1012	1482	1888
	18				18	21600	-	-	-	12960	3.8	21600	6.3	25920	7.6	1190	1964	2479
	24				24	28800	-	-	-	17280	5.1	28800	8.4	34560	10.1	1488	2447	3099
2 Unit	7	7			14	8400	8400	-	-	10080	3.0	16800	4.9	20160	5.9	1001	1643	2085
	7	9			16	8400	10800	-	-	11520	3.4	19200	5.6	23040	6.8	1082	1804	2254
	9	9			18	10800	10800	-	-	12960	3.8	21600	6.3	25920	7.6	1177	1964	2451
	7	12			19	8400	14400	-	-	13680	4.0	22800	6.7	27360	8.0	1244	2045	2592
	9	12			21	10800	14400	-	-	15120	4.4	25200	7.4	30240	8.9	1325	2206	2761
	12	12			24	14400	14400	-	-	17280	5.1	28800	8.4	34560	10.1	1488	2447	3099
	7	18			25	8400	21600	-	-	18000	5.3	30000	8.8	36000	10.5	1528	2527	3184
	9	18			27	10800	21600	-	-	19440	5.7	32400	9.5	38880	11.4	1609	2688	3353
	12	18			30	13800	20700	-	-	20700	6.1	34500	10.1	41000	12.0	1785	2930	3719
	7	24			31	7790	26709	-	-	20700	6.1	34500	10.1	41000	12.0	1785	2930	3719
	9	24			33	9409	25090	-	-	20700	6.1	34500	10.1	41000	12.0	1785	2930	3719
	12	24			36	11500	23000	-	-	20700	6.1	34500	10.1	41000	12.0	1785	2930	3719
	18	18			36	17250	17250	-	-	20700	6.1	34500	10.1	41000	12.0	1785	2930	3719
3 Unit	7	7	7		21	8400	8400	8400	-	15120	4.4	25200	7.4	30240	8.9	1325	2206	2761
	7	7	9		23	8400	8400	10800	-	16560	4.9	27600	8.1	33120	9.7	1434	2366	2987
	7	9	9		25	8400	10800	10800	-	18000	5.3	30000	8.8	36000	10.5	1528	2527	3184
	7	7	12		26	8400	8400	14400	-	18720	5.5	31200	9.1	37440	11.0	1561	2608	3251
	9	9	9		27	10800	10800	10800	-	19440	5.7	32400	9.5	38880	11.4	1636	2688	3409
	7	9	12		28	8275	10639	14186	-	19860	5.8	33100	9.7	39720	11.6	1691	2768	3522
	9	9	12		30	10350	10350	13800	-	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
	7	12	12		31	7790	13355	13355	-	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
	7	7	18		32	7547	7547	19406	-	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
	9	12	12		33	9409	12545	12545	-	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
	7	9	18		34	7103	9132	18265	-	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
	12	12	12		36	11500	11500	11500	-	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
	9	9	18		36	8625	8625	17250	-	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
	7	12	18		37	6527	11189	16784	-	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
	7	7	24		38	6355	6355	21789	-	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
9	12	18		39	7962	10615	15923	-	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012	
4Unit	7	7	7	7	28	8275	8275	8275	8275	19860	5.8	33100	9.7	39720	11.6	1691	2566	3522
	7	7	7	9	30	8050	8050	8050	10350	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
	7	7	9	9	32	7547	7547	9703	9703	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
	7	7	7	12	33	7318	7318	7318	12545	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
	7	9	9	9	34	7103	9132	9132	9132	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
	7	7	9	12	35	6900	6900	8871	11829	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
	9	9	9	9	36	8625	8625	8625	8625	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
	7	9	9	12	37	6527	8392	8392	11189	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
	7	7	12	12	38	6355	6355	10895	10895	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
	9	9	9	12	39	7962	7962	7962	10615	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012
7	7	7	18	39	6192	6192	6192	15923	20700	6.1	34500	10.1	41000	12.0	1785	2740	4012	

Note:

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

MULTI F_{DX} combination table

FM40AH UHO

	Total Indoor Unit Capacity (kBtu/h)		Cooling Capacity						Input(W)			
			Min		Rating		Max					
	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rating	Max	
16	6400	1.9	16000	4.7	19200	5.6	712	1695	2137			
18	7200	2.1	18000	5.3	21600	6.3	790	1885	2371			
19	7600	2.2	19000	5.6	22800	6.7	829	1980	2488			
21	8400	2.5	21000	6.2	25200	7.4	908	2170	2723			
23	9200	2.7	23000	6.7	27600	8.1	986	2360	2957			
24	9600	2.8	24000	7.0	28800	8.4	1025	2455	3074			
25	10000	2.9	25000	7.3	30000	8.8	1064	2550	3191			
26	10400	3.0	26000	7.6	31200	9.1	1103	2645	3309			
27	10800	3.2	27000	7.9	32400	9.5	1142	2742	3426			
28	11200	3.3	28000	8.2	33600	9.8	1181	2838	3543			
30	12000	3.5	30000	8.8	36000	10.6	1259	3030	3777			
31	12400	3.6	31000	9.1	37200	10.9	1298	3125	3895			
32	12800	3.8	32000	9.4	38400	11.3	1337	3221	4012			
33	13200	3.9	33000	9.7	39600	11.6	1376	3317	4129			
34	13600	4.0	34000	10.0	40800	12.0	1415	3413	4246			
35	14000	4.1	35000	10.3	42000	12.3	1454	3509	4363			
36	14400	4.2	36000	10.6	43200	12.7	1494	3605	4481			
37	14800	4.3	37000	10.8	44400	13.0	1533	3701	4598			
38	15200	4.5	38000	11.1	45600	13.4	1572	3797	4715			
39	15600	4.6	39000	11.4	46800	13.7	1611	3893	4832			
40	16000	4.7	40000	11.7	48000	14.1	1650	3990	4950			
41	16000	4.7	40000	11.7	48000	14.1	1651	3990	4980			
42	16000	4.7	40000	11.7	48000	14.1	1651	3850	4980			
43	16000	4.7	40000	11.7	48000	14.1	1651	3850	4980			
44	16000	4.7	40000	11.7	48000	14.1	1651	3800	4980			
45	16000	4.7	40000	11.7	48000	14.1	1651	3800	4980			
46	16000	4.7	40000	11.7	48000	14.1	1651	3750	4980			
47	16000	4.7	40000	11.7	48000	14.1	1651	3750	4980			
48	16000	4.7	40000	11.7	48000	14.1	1651	3700	4980			
49	16000	4.7	40000	11.7	48000	14.1	1651	3700	4980			
50	16000	4.7	40000	11.7	48000	14.1	1651	3650	4980			
51	16000	4.7	40000	11.7	48000	14.1	1651	3650	4980			
52	16000	4.7	40000	11.7	48000	14.1	1651	3650	4980			

FM40AH UHO

	Total Indoor Unit Capacity (kBtu/h)		Heating Capacity						Input(W)			
			Min		Rating		Max					
	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rating	Max	
16	7680	2.3	19200	5.6	22080	6.5	947	2343	2722			
18	8640	2.5	21600	6.3	24840	7.3	1008	2563	2899			
19	9120	2.7	22800	6.7	26220	7.7	1039	2674	2988			
21	10080	3.0	25200	7.4	28980	8.5	1101	2894	3165			
23	11040	3.2	27600	8.1	31740	9.3	1162	3066	3342			
24	11520	3.4	28800	8.4	33120	9.7	1193	3128	3430			
25	12000	3.5	30000	8.8	34500	10.1	1224	3189	3519			
26	12480	3.7	31200	9.1	35880	10.5	1255	3250	3608			
27	12960	3.8	32400	9.5	37260	10.9	1286	3311	3696			
28	13440	3.9	33600	9.8	38640	11.3	1316	3373	3785			
30	14400	4.2	36000	10.6	41400	12.1	1378	3495	3962			
31	14880	4.4	37200	10.9	42780	12.5	1409	3556	4050			
32	15360	4.5	38400	11.3	44160	12.9	1440	3618	4139			
33	15840	4.6	39600	11.6	45540	13.3	1470	3679	4228			
34	16320	4.8	40800	12.0	46920	13.8	1501	3740	4316			
35	16800	4.9	42000	12.3	48300	14.2	1532	3801	4405			
36	17136	5.0	42840	12.6	49266	14.4	1563	3863	4493			
37	17464	5.1	43660	12.8	50209	14.7	1594	3924	4583			
38	17784	5.2	44460	13.0	51129	15.0	1624	3985	4673			
39	18096	5.3	45240	13.3	52026	15.2	1655	4046	4762			
40	18400	5.4	46000	13.5	53000	15.5	1686	4107	4851			
41	18400	5.4	46000	13.5	53000	15.5	1691	3950	4600			
42	18400	5.4	46000	13.5	53000	15.5	1691	3900	4600			
43	18400	5.4	46000	13.5	53000	15.5	1691	3900	4600			
44	18400	5.4	46000	13.5	53000	15.5	1691	3850	4600			
45	18400	5.4	46000	13.5	53000	15.5	1691	3850	4600			
46	18400	5.4	46000	13.5	53000	15.5	1691	3800	4600			
47	18400	5.4	46000	13.5	53000	15.5	1691	3800	4600			
48	18400	5.4	46000	13.5	53000	15.5	1691	3750	4600			
49	18400	5.4	46000	13.5	53000	15.5	1691	3750	4600			
50	18400	5.4	46000	13.5	53000	15.5	1691	3700	4600			
51	18400	5.4	46000	13.5	53000	15.5	1691	3700	4600			
52	18400	5.4	46000	13.5	53000	15.5	1691	3700	4600			

Note:

- Cooling Capacity is based on : indoor temp. 27°C DB, 19°... WB; outdoor temp. 35°C DB
- Heating Capacity is based on : indoor temp. 20°C DB; outdoor temp. 7°C DB, 6°C WB
- The rated capacities above show the rise in the total indoor unit capacity when operating frequency is constant. Values for changes in capacity are fixed after accounting for variations in operating frequency and should be used as reference values.
- Total capacity index of indoor unit should be within 16~52 Btu/h (40%~130%)
- At least two indoor units should be connected.

MULTI FDX combination table

FM48AH UYO

Total Indoor Unit Capacity (kBtu/h)	Cooling Capacity						Input(W)		
	Min		Rating		Max		Min	Rating	Max
	Btu/h	kW	Btu/h	kW	Btu/h	kW			
19	7,385	2.2	19,000	5.57	22,800	6.68	829	1,731	2,552
20	7,774	2.3	20,000	5.86	24,000	7.03	868	1,825	2,664
21	8,162	2.4	21,000	6.15	25,200	7.39	907	1,920	2,776
22	8,551	2.5	22,000	6.45	26,400	7.74	946	2,014	2,888
23	8,940	2.6	23,000	6.74	27,600	8.09	985	2,109	3,000
24	9,328	2.7	24,000	7.03	28,800	8.44	1,024	2,203	3,112
25	9,717	2.8	25,000	7.33	30,000	8.79	1,063	2,298	3,224
26	10,106	3.0	26,000	7.62	31,200	9.14	1,102	2,392	3,336
27	10,494	3.1	27,000	7.91	32,400	9.50	1,141	2,487	3,448
28	10,883	3.2	28,000	8.21	33,600	9.85	1,180	2,581	3,560
29	11,272	3.3	29,000	8.50	34,800	10.20	1,219	2,676	3,672
30	11,660	3.4	30,000	8.79	36,000	10.55	1,258	2,770	3,784
31	12,049	3.5	31,000	9.09	37,200	10.90	1,297	2,865	3,896
32	12,438	3.6	32,000	9.38	38,400	11.25	1,336	2,959	4,008
33	12,826	3.8	33,000	9.67	39,600	11.61	1,375	3,054	4,120
34	13,215	3.9	34,000	9.96	40,800	11.96	1,414	3,148	4,232
35	13,604	4.0	35,000	10.26	42,000	12.31	1,453	3,243	4,344
36	13,992	4.1	36,000	10.55	43,200	12.66	1,492	3,337	4,456
37	14,381	4.2	37,000	10.84	44,400	13.01	1,531	3,432	4,568
38	14,770	4.3	38,000	11.14	45,600	13.36	1,570	3,526	4,680
39	15,159	4.4	39,000	11.43	46,800	13.72	1,609	3,621	4,792
40	15,547	4.6	40,000	11.72	48,000	14.07	1,648	3,715	4,904
41	15,936	4.7	41,000	12.02	49,200	14.42	1,687	3,810	5,016
42	16,325	4.8	42,000	12.31	50,400	14.77	1,726	3,904	5,128
43	16,713	4.9	43,000	12.60	51,600	15.12	1,765	3,999	5,240
44	17,102	5.0	44,000	12.90	52,800	15.47	1,804	4,093	5,352
45	17,491	5.1	45,000	13.19	54,000	15.83	1,843	4,188	5,464
46	17,879	5.2	46,000	13.48	55,200	16.18	1,882	4,282	5,576
47	18,268	5.4	47,000	13.77	56,400	16.53	1,921	4,377	5,688
48	18,656	5.5	48,000	14.07	57,600	16.88	1,960	4,471	5,800
49	18,637	5.5	48,000	14.07	57,600	16.91	1,944	4,460	5,789
50	18,674	5.5	48,000	14.07	57,773	16.93	1,928	4,449	5,779
51	18,712	5.5	48,000	14.07	57,860	16.96	1,912	4,438	5,768
52	18,749	5.5	48,000	14.07	57,946	16.98	1,896	4,427	5,758
53	18,787	5.5	48,000	14.07	58,033	17.01	1,880	4,416	5,747
54	18,824	5.5	48,000	14.07	58,120	17.03	1,864	4,405	5,737
55	18,862	5.5	48,000	14.07	58,208	17.06	1,848	4,394	5,726
56	18,900	5.5	48,000	14.07	58,295	17.08	1,832	4,383	5,716
57	18,937	5.6	48,000	14.07	58,382	17.11	1,816	4,372	5,705
58	18,975	5.6	48,000	14.07	58,470	17.14	1,800	4,361	5,695
59	19,013	5.6	48,000	14.07	58,558	17.16	1,784	4,350	5,684
60	19,051	5.6	48,000	14.07	58,645	17.19	1,768	4,339	5,674
61	19,089	5.6	48,000	14.07	58,733	17.21	1,752	4,328	5,663
62	19,128	5.6	48,000	14.07	58,821	17.24	1,736	4,317	5,653
63	19,166	5.6	48,000	14.07	58,910	17.26	1,720	4,306	5,642

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Total Indoor Unit Capacity (kBtu/h)	Heating Capacity						Input(W)		
	Min		Rating		Max		Min	Rating	Max
	Btu/h	kW	Btu/h	kW	Btu/h	kW			
19	6,460	1.9	21,850	6.40	25,128	7.36	1,101	2,975	3,183
20	6,800	2.0	23,000	6.74	26,450	7.75	1,124	3,038	3,248
21	7,140	2.1	24,150	7.08	27,773	8.14	1,148	3,101	3,313
22	7,480	2.2	25,300	7.41	29,095	8.53	1,171	3,164	3,378
23	7,820	2.3	26,450	7.75	30,418	8.91	1,194	3,227	3,443
24	8,160	2.4	27,600	8.09	31,740	9.30	1,217	3,290	3,508
25	8,500	2.5	28,750	8.43	33,063	9.69	1,241	3,353	3,573
26	8,840	2.6	29,900	8.76	34,385	10.08	1,264	3,416	3,638
27	9,180	2.7	31,050	9.10	35,708	10.46	1,287	3,479	3,703
28	9,520	2.8	32,200	9.44	37,030	10.85	1,311	3,542	3,768
29	9,860	2.9	33,350	9.77	38,353	11.24	1,334	3,605	3,833
30	10,200	3.0	34,500	10.11	39,675	11.63	1,357	3,668	3,898
31	10,540	3.1	35,650	10.45	40,998	12.02	1,381	3,731	3,963
32	10,880	3.2	36,800	10.79	42,320	12.40	1,404	3,794	4,028
33	11,220	3.3	37,950	11.12	43,643	12.79	1,427	3,857	4,093
34	11,560	3.4	39,100	11.46	44,965	13.18	1,451	3,920	4,158
35	11,900	3.5	40,250	11.80	46,288	13.57	1,474	3,983	4,223
36	12,240	3.6	41,400	12.13	47,610	13.95	1,497	4,046	4,288
37	12,580	3.7	42,550	12.47	48,933	14.34	1,520	4,109	4,451
38	12,920	3.8	43,700	12.81	50,255	14.73	1,544	4,172	4,540
39	13,260	3.9	44,850	13.14	51,578	15.12	1,567	4,235	4,629
40	13,600	4.0	46,000	13.48	52,900	15.50	1,590	4,298	4,718
41	13,940	4.1	47,150	13.82	54,223	15.89	1,614	4,361	4,807
42	14,280	4.2	48,300	14.16	55,545	16.28	1,637	4,424	4,896
43	14,620	4.3	49,450	14.49	56,868	16.67	1,660	4,487	4,985
44	14,960	4.4	50,600	14.83	58,190	17.05	1,684	4,550	5,074
45	15,300	4.5	51,750	15.17	59,513	17.44	1,707	4,613	5,163
46	15,640	4.6	52,900	15.50	60,835	17.83	1,730	4,676	5,252
47	15,980	4.7	54,050	15.84	62,158	18.22	1,754	4,739	5,341
48	16,320	4.8	55,200	16.18	63,480	18.60	1,777	4,802	5,430
49	16,353	4.8	55,200	16.18	63,575	18.63	1,765	4,771	5,418
50	16,385	4.8	55,200	16.18	63,671	18.66	1,754	4,740	5,406
51	16,418	4.8	55,200	16.18	63,766	18.69	1,742	4,709	5,394
52	16,451	4.8	55,200	16.18	63,862	18.72	1,731	4,678	5,382
53	16,484	4.8	55,200	16.18	63,958	18.74	1,720	4,647	5,370
54	16,517	4.8	55,200	16.18	64,053	18.77	1,708	4,616	5,358
55	16,550	4.9	55,200	16.18	64,150	18.80	1,697	4,585	5,346
56	16,583	4.9	55,200	16.18	64,246	18.83	1,685	4,554	5,334
57	16,616	4.9	55,200	16.18	64,342	18.86	1,674	4,523	5,322
58	16,649	4.9	55,200	16.18	64,439	18.89	1,662	4,492	5,310
59	16,683	4.9	55,200	16.18	64,535	18.91	1,651	4,461	5,298
60	16,716	4.9	55,200	16.18	64,632	18.94	1,639	4,430	5,286
61	16,749	4.9	55,200	16.18	64,729	18.97	1,628	4,399	5,274
62	16,783	4.9	55,200	16.18	64,826	19.00	1,616	4,368	5,262
63	16,817	4.9	55,200	16.18	64,923	19.03	1,605	4,337	5,250

Note:

- Cooling Capacity is based on : indoor temp.27°... DB, 19°... WB; outdoor temp. 35°... DB
- Heating Capacity is based on : indoor temp.20°... DB; outdoor temp. 7°... DB, 6°... WB
- The rated capacities above show the rise in the total indoor unit capacity when operating frequency is constant. Values for changes in capacity are fixed after accounting for variations in operating frequency and should be used as reference values.
- Total capacity index of indoor unit should be within 19~63 Btu/h (40%~130%)
- At least two indoor units should be connected.

MULTI F_{DX} combination table

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	Total Indoor Unit Capacity (kBtu/h)		Cooling Capacity						Input(W)			
			Min		Rating		Max					
	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rating	Max	
22	8,551	2.5	22,000	6.45	26,400	7.74	959	2,164	2,628			
23	8,940	2.6	23,000	6.74	27,600	8.09	999	2,251	2,745			
24	9,328	2.7	24,000	7.03	28,800	8.44	1,039	2,338	2,862			
25	9,717	2.8	25,000	7.33	30,000	8.79	1,079	2,425	2,979			
26	10,106	3.0	26,000	7.62	31,200	9.14	1,118	2,512	3,096			
27	10,494	3.1	27,000	7.91	32,400	9.50	1,158	2,599	3,212			
28	10,883	3.2	28,000	8.21	33,600	9.85	1,198	2,686	3,329			
29	11,272	3.3	29,000	8.50	34,800	10.20	1,237	2,773	3,446			
30	11,660	3.4	30,000	8.79	36,000	10.55	1,277	2,860	3,563			
31	12,049	3.5	31,000	9.09	37,200	10.90	1,317	2,947	3,680			
32	12,438	3.6	32,000	9.38	38,400	11.25	1,356	3,034	3,796			
33	12,826	3.8	33,000	9.67	39,600	11.61	1,396	3,121	3,913			
34	13,215	3.9	34,000	9.96	40,800	11.96	1,436	3,208	4,030			
35	13,604	4.0	35,000	10.26	42,000	12.31	1,476	3,295	4,147			
36	13,992	4.1	36,000	10.55	43,200	12.66	1,515	3,382	4,264			
37	14,381	4.2	37,000	10.84	44,400	13.01	1,555	3,469	4,380			
38	14,770	4.3	38,000	11.14	45,600	13.36	1,595	3,556	4,497			
39	15,159	4.4	39,000	11.43	46,800	13.72	1,634	3,643	4,614			
40	15,547	4.6	40,000	11.72	48,000	14.07	1,674	3,730	4,731			
41	15,936	4.7	41,000	12.02	49,200	14.42	1,714	3,817	4,848			
42	16,325	4.8	42,000	12.31	50,400	14.77	1,753	3,904	4,964			
43	16,713	4.9	43,000	12.60	51,600	15.12	1,793	3,991	5,081			
44	17,102	5.0	44,000	12.90	52,800	15.47	1,833	4,078	5,198			
45	17,491	5.1	45,000	13.19	54,000	15.83	1,873	4,165	5,315			
46	17,879	5.2	46,000	13.48	55,200	16.18	1,912	4,252	5,432			
47	18,268	5.4	47,000	13.77	56,400	16.53	1,952	4,339	5,548			
48	18,657	5.5	48,000	14.07	57,600	16.88	1,992	4,426	5,665			
49	19,045	5.6	49,000	14.36	58,800	17.23	2,031	4,513	5,782			
50	19,434	5.7	50,000	14.65	60,000	17.58	2,071	4,600	5,899			
51	19,823	5.8	51,000	14.95	61,200	17.94	2,111	4,687	6,016			
52	20,211	5.9	52,000	15.24	62,400	18.29	2,150	4,774	6,132			
53	20,600	6.0	53,000	15.53	63,600	18.64	2,190	4,861	6,249			
54	20,989	6.2	54,000	15.83	64,800	18.99	2,230	4,948	6,366			
55	21,377	6.3	55,000	16.12	66,000	19.34	2,270	5,035	6,483			
56	21,766	6.4	56,000	16.41	67,200	19.69	2,309	5,122	6,600			
57	21,807	6.4	56,000	16.41	67,334	19.73	2,298	5,109	6,593			
58	21,848	6.4	56,000	16.41	67,469	19.77	2,286	5,096	6,586			
59	21,889	6.4	56,000	16.41	67,604	19.81	2,275	5,083	6,579			
60	21,930	6.4	56,000	16.41	67,739	19.85	2,267	5,094	6,574			
61	21,971	6.4	56,000	16.41	67,875	19.89	2,247	5,085	6,563			
62	22,012	6.5	56,000	16.41	68,010	19.93	2,228	5,076	6,552			
63	22,053	6.5	56,000	16.41	68,146	19.97	2,208	5,067	6,541			
64	22,095	6.5	56,000	16.41	68,283	20.01	2,189	5,058	6,530			
65	22,136	6.5	56,000	16.41	68,419	20.05	2,169	5,049	6,519			
66	22,178	6.5	56,000	16.41	68,556	20.09	2,150	5,039	6,507			
67	22,219	6.5	56,000	16.41	68,693	20.13	2,130	5,030	6,496			
68	22,261	6.5	56,000	16.41	68,831	20.17	2,111	5,021	6,485			
69	22,303	6.5	56,000	16.41	68,968	20.21	2,091	5,012	6,474			
70	22,344	6.5	56,000	16.41	69,106	20.25	2,072	5,003	6,463			
71	22,386	6.6	56,000	16.41	69,244	20.29	2,052	4,994	6,452			
72	22,428	6.6	56,000	16.41	69,383	20.33	2,052	4,994	6,448			
73	22,470	6.6	56,000	16.41	69,590	20.39	2,042	4,986	6,432			

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	Total Indoor Unit Capacity (kBtu/h)		Heating Capacity						Input(W)			
			Min		Rating		Max					
	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rating	Max	
22	7,480	2.2	25,300	7.41	29,095	8.53	1,216	3,286	3,740			
23	7,820	2.3	26,450	7.75	30,418	8.91	1,241	3,353	3,830			
24	8,160	2.4	27,600	8.09	31,740	9.30	1,266	3,421	3,920			
25	8,500	2.5	28,750	8.43	33,063	9.69	1,291	3,488	4,010			
26	8,840	2.6	29,900	8.76	34,385	10.08	1,316	3,556	4,100			
27	9,180	2.7	31,050	9.10	35,708	10.46	1,341	3,624	4,190			
28	9,520	2.8	32,200	9.44	37,030	10.85	1,366	3,691	4,280			
29	9,860	2.9	33,350	9.77	38,353	11.24	1,391	3,759	4,370			
30	10,200	3.0	34,500	10.11	39,675	11.63	1,416	3,826	4,460			
31	10,540	3.1	35,650	10.45	40,998	12.02	1,441	3,894	4,550			
32	10,880	3.2	36,800	10.79	42,320	12.40	1,466	3,962	4,640			
33	11,220	3.3	37,950	11.12	43,643	12.79	1,491	4,029	4,730			
34	11,560	3.4	39,100	11.46	44,965	13.18	1,516	4,097	4,820			
35	11,900	3.5	40,250	11.80	46,288	13.57	1,541	4,164	4,910			
36	12,240	3.6	41,400	12.13	47,610	13.95	1,566	4,232	5,000			
37	12,580	3.7	42,550	12.47	48,933	14.34	1,591	4,300	5,090			
38	12,920	3.8	43,700	12.81	50,255	14.73	1,616	4,367	5,180			
39	13,260	3.9	44,850	13.14	51,578	15.12	1,641	4,435	5,270			
40	13,600	4.0	46,000	13.48	52,900	15.50	1,666	4,502	5,360			
41	13,940	4.1	47,150	13.82	54,223	15.89	1,691	4,570	5,450			
42	14,280	4.2	48,300	14.16	55,545	16.28	1,716	4,638	5,540			
43	14,620	4.3	49,450	14.49	56,868	16.67	1,741	4,705	5,630			
44	14,960	4.4	50,600	14.83	58,190	17.05	1,766	4,773	5,720			
45	15,300	4.5	51,750	15.17	59,513	17.44	1,791	4,840	5,810			
46	15,640	4.6	52,900	15.50	60,835	17.83	1,816	4,908	5,900			
47	15,980	4.7	54,050	15.84	62,158	18.22	1,841	4,976	5,990			
48	16,320	4.8	55,200	16.18	63,480	18.60	1,866	5,043	6,080			
49	16,660	4.9	56,350	16.51	64,803	18.99	1,891	5,111	6,170			
50	17,000	5.0	57,500	16.85	66,125	19.38	1,916	5,178	6,260			
51	17,340	5.1	58,650	17.19	67,448	19.77	1,941	5,246	6,350			
52	17,680	5.2	59,800	17.53	68,770	20.15	1,966	5,314	6,440			
53	18,020	5.3	60,950	17.86	70,093	20.54	1,991	5,381	6,530			
54	18,360	5.4	62,100	18.20	71,415	20.93	2,016	5,449	6,620			
55	18,700	5.5	63,250	18.54	72,738	21.32	2,041	5,516	6,710			
56	19,040	5.6	64,400	18.87	74,060	21.70	2,066	5,584	6,800			
57	19,078	5.6	64,400	18.87	74,156	21.73	2,057	5,559	6,789			
58	19,116	5.6	64,400	18.87	74,252	21.76	2,045	5,528	6,778			
59	19,154	5.6	64,400	18.87	74,348	21.79	2,034	5,497	6,767			
60	19,193	5.6	64,400	18.87	74,444	21.82	2,022	5,466	6,756			
61	19,231	5.6	64,400	18.87	74,540	21.85	2,011	5,435	6,745			
62	19,270	5.6	64,400	18.87	74,636	21.87	1,999	5,404	6,734			
63	19,308	5.7	64,400	18.87	74,732	21.90	1,988	5,373	6,723			
64	19,347	5.7	64,400	18.87	74,828	21.93	1,977	5,342	6,712			
65	19,385	5.7	64,400	18.87	74,924	21.96	1,965	5,311	6,701			
66	19,424	5.7	64,400	18.87	75,020	21.99	1,954	5,280	6,690			
67	19,463	5.7	64,400	18.87	75,116	22.01	1,942	5,249	6,679			
68	19,502	5.7	64,400	18.87	75,212	22.04	1,931	5,218	6,668			
69	19,541	5.7	64,400	18.87	75,308	22.07	1,919	5,187	6,657			
70	19,580	5.7	64,400	18.87	75,404	22.10	1,908	5,156	6,646			
71	19,619	5.7	64,400	18.87	75,5							

Convenient Central Controller

MULTI F MULTI F DX

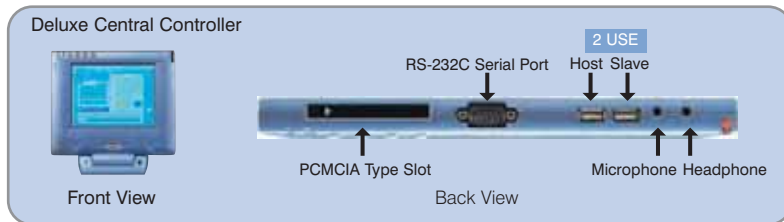
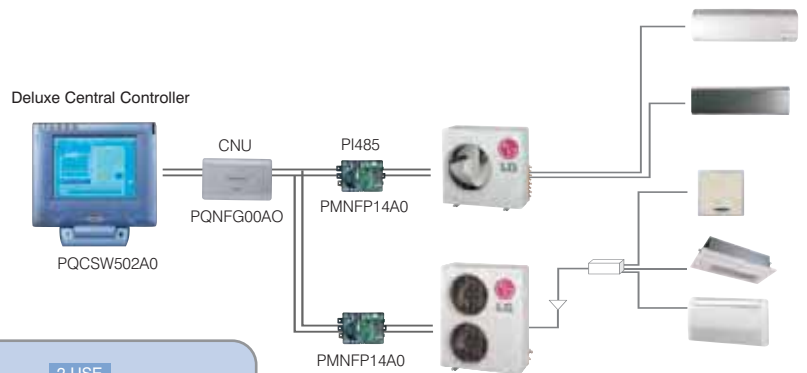
Simple Central Controller

The simple central controller that can operate up to 16 units simultaneously.



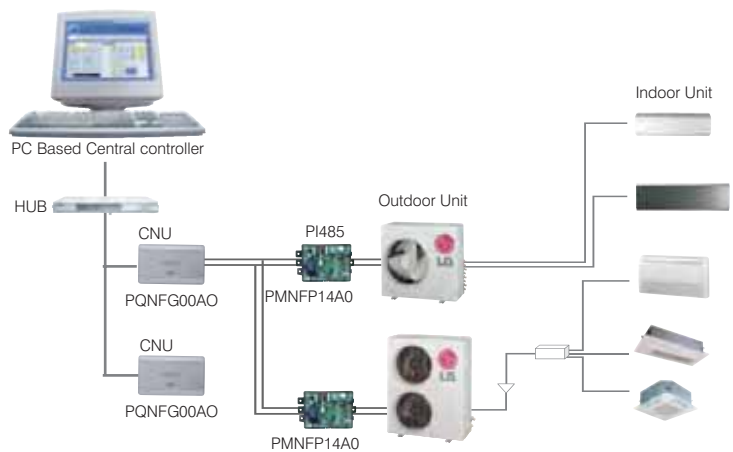
Deluxe Central Controller

With an intuitively designed GUI and a user-friendly touch panel, you can simultaneously control up to 256 indoor units, and the system can be linked to the building management system.



PC Based Controller

A PC based central controller can connect up to 16 CNU and one CNU can connect up to 8 outdoor units (PI485). This offers full centralised control from the PC or over the internet.



www.lgaircon.co.uk **LG Air Conditioning** heat recovery ventilator

eco-V™ heat recovery ventilator



The LG heat recovery ventilation system, is the solution for improving your indoor air quality

Ventilation is a process by which one can exchange indoor air to outdoor air in order to improve the air quality and to maintain environmental temperature conditions.

With today's concern for a healthy indoor environment, **eco-V** should be an integral component of any HVAC system. Using **eco-V** in the HVAC system means contaminants will be removed quickly and effectively from the air conditioned space. A balance is thus achieved between indoor and outdoor ambient, enabling the cooling or heating load on the air conditioning system to be reduced significantly.

heat recovery ventilator

ecoV™ heat recovery ventilator

Energy Savings

The indoor air is passed through the heat exchanger to prewarm or precool the incoming outside air, saving energy and money

Low-noise Design

eco-V is acoustically engineered and tested for quiet operation ensuring comfort that is felt, not heard

Easy Maintenance

The briefcase-style latches allow easy filter replacement and heat exchanger cleaning

Efficiency & Comfort

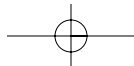
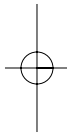
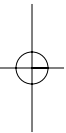
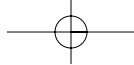
eco-V exhausts the polluted indoor air to outdoor and supplies the fresh outdoor air to indoor in order to maintain a healthy and comfortable indoor environment

Air Purifying

Removing common pollutants from the air which create an unhealthy environment

Specification

		Unit	LZ-H0506BA0	LZ-H0806BA0	LZ-H1006BA0	LZ-H1506BA0	LZ-H2006BA0
Nominal Capacity		CMH	500	800	1000	2000	-
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
ecoV™ mode	Step	-	SUPER-HIGH/HIGH/LOW	SUPER-HIGH/HIGH/LOW	SUPER-HIGH/HIGH/LOW	SUPER-HIGH/HIGH/LOW	SUPER-HIGH/HIGH/LOW
	Current	SH/H/L Amps	1.51/1.39/1.06	2.8/2.7/2.6	3.0/2.9/2.6	5.6/5.4/5.2	6.0/5.8/5.2
	Power Input	SH/H/L W	260/225/200	405/360/320	510/485/430	760/740/600	1020/970/860
	Air Flow	SH/H/L m ³ /hr	500/500/320	800/800/660	1000/1000/800	1500/1500/1200	2000/2000/1600
	External Static Pressure	SH/H/L Pa	150/60/28	200/110/60	160/90/50	200/110/60	160/90/50
	Temperature Exchange Efficiency	SH/H/L %	75/75/79	79/79/82	75/75/78	79/79/82	75/75/78
	Enthalpy Exchange Efficiency	Heating (SH/H/L) %	75/75/80	70/70/75	66/66/71	70/70/75	66/66/71
		Cooling (SH/H/L) %	70/70/75	65/65/70	61/61/66	65/65/70	61/61/66
	Noise Level (Sound Level, 1.5m)	SH/H/L dBA	34/32/25	36/34/30	37/35/31	39/37/33	39/37/33
	Step	-	SUPER-HIGH/HIGH/LOW	SUPER-HIGH/HIGH/LOW	SUPER-HIGH/HIGH/LOW	SUPER-HIGH/HIGH/LOW	SUPER-HIGH/HIGH/LOW
bypass mode	Current	SH/H/L Amps	1.51/1.39/1.06	2.8/2.7/2.6	2.8/2.7/2.4	5.6/5.4/5.2	5.6/5.4/4.8
	Power Input	SH/H/L W	260/225/200	473/462/397	562/542/471	946/924/794	1124/1084/942
	Air Flow	SH/H/L m ³ /hr	500/500/320	800/800/660	1000/1000/800	1500/1500/1200	2000/2000/1600
	External Static Pressure	SH/H/L Pa	150/60/28	200/110/60	200/110/60	200/110/60	200/110/60
	Temperature Exchange Efficiency	SH/H/L %	-	-	-	-	-
	Enthalpy Exchange Efficiency	Heating (SH/H/L) %	-	-	-	-	-
		Cooling (SH/H/L) %	-	-	-	-	-
	Noise Level (Sound Level, 1.5m)	SH/H/L dBA	34/32/25	36/34/30	37/35/31	37/35/31	37/35/31
	Heat Exchanger type	-	Crossflow	Crossflow	Crossflow	Crossflow	Crossflow
	Weight	kg	45	63	63	138	138
Dimension	W * H * D mm	988 * 273 * 1014	1063 * 365 * 1140	1063 * 365 * 1140	1313 * 737 * 1140	1313 * 737 * 1140	
Duct Work	Qty	EA	4	4	4	4	4
	Size (ø")	mm (inch)	ø 200 (ø 7.87)	ø 250 (ø 9.54)	ø 250 (ø 9.54)	ø 350 (ø 13.77)	ø 350 (ø 13.77)
Supply Air Fan	Qty	EA	1	1	1	1	1
	Type	-	Direct-Drive	Direct-Drive	Direct-Drive	Direct-Drive	Direct-Drive
Exhaust Air Fan	Qty	-	1	1	1	1	1
	Type	-	Direct-Drive	Direct-Drive	Direct-Drive	Direct-Drive	Direct-Drive
Filters	Qty	-	2	2	2	2	2
	Type	-	Cleanable	Cleanable	Cleanable	Cleanable	Cleanable
Size (W * H * D)	mm	855 * 10 * 166	1056 * 10 * 212.5	1056 * 10 * 212.5	1056 * 10 * 212.5	1056 * 10 * 212.5	



**Core Air Conditioning**

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www.osprey-air.co.uk

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Fax: 01372 373727
Email: sales@dean-wood.co.uk
Web: www.dean-wood.com

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Thermofrost Cryo Plc

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Holmbush Potteries Estate
Faygate, Horsham
West Sussex RH12 4ST

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www.oceanair.uk.com

LG Comfort Cooling Limited (LGCC)

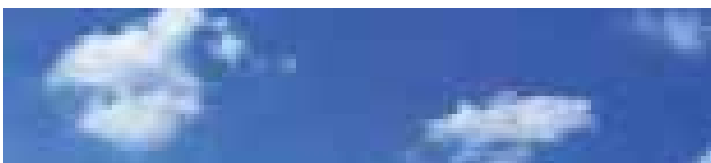
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